



## EXECUTIVE ORDER D-193-175

Relating to Exemptions under Sections 27156 and 38391  
of the California Vehicle Code

Car Sound Exhaust System, Inc. (d.b.a. Magnaflow)  
“Series 5531000 and 5571000 Three-Way Catalytic Converters”

WHEREAS, Vehicle Code (VC) Sections 27156 and 38395 and Title 13, California Code of Regulations (13 CCR) Section 2222(h) authorize the California Air Resources Board and its Executive Officer to exempt new aftermarket catalytic converters from the prohibitions of VC Sections 27156 and 38391.

WHEREAS, Car Sound Exhaust System, Inc. (Car Sound) of 1901 Corporate Center, Oceanside, California 92056 has applied to the California Air Resources Board for exemption from the prohibitions in VC Sections 27156 and 38391 to market its new aftermarket series 5531000 and 5571000 three-way catalytic converters (TWC) for installation on select 2003 through 2017 model-year passenger cars and light-duty trucks equipped with on-board diagnostic II systems as specified in Appendix D-193-175 and incorporated herein. Series 5531000 and 5571000 TWCs will be sold as universal or direct fit parts and will be used on multiple catalytic converter applications. Series 5531000 TWC will be used in the front position, and series 5571000 TWC will be used in the rear position.

WHEREAS, pursuant to the authority vested in the Executive Officer by Health and Safety Code (HSC) Section 39515 and in the Chief of the Emissions Certification and Compliance Division by HSC Section 39516 and Executive Order G-19-095, the California Air Resources Board finds that the above aftermarket catalytic converters comply with VC Sections 27156 and 38395 and 13 CCR Section 2222(h). Emission performance of the catalytic converters was based on durability bench-aging using the California Air Resources Board-modified Rapid Aging Test-A bench-aging cycle for 75 hours as specified in Appendix A to the “California Evaluation Procedures for New Aftermarket Catalytic Converters” (Converter Evaluation Procedures).

WHEREAS, previous emission tests conducted by Car Sound using vehicle weight classification and exhaust configuration similar to those listed in Appendix D-193-175 and certified to LEV II LEV and LEV II ULEV emission standards resulted in the issuance of Executive Order D-193-137, it was determined that the installation of series 5531000 and 5571000 TWCs on the vehicles listed in Appendix D-193-175 meets the requirements of California regulation for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Car Sound’s series 5531000 and 5571000 TWCs are exempted from the prohibitions in VC Sections 27156 and 38391 for installation on 2003 through 2017 model-year vehicle applications specified in Appendix D-193-175 subject to the following conditions:

1. No changes are permitted to the catalytic converter as described in the application for exemption. Any changes to the catalytic converter or any of its components and other factors addressed in this Executive Order must be evaluated and approved by the California Air Resources Board prior to marketing in California.

2. Marketing of the catalytic converter using identifications other than those shown in the exemption application, and in this Executive Order, or marketing of the catalytic converter for applications other than the ones shown in this Executive Order shall be prohibited unless prior approval is obtained from the California Air Resources Board. Exemption of this product shall not be construed as an exemption to sell, offer for sale, or advertise any components of the catalytic converter as individual devices.
3. Any oral or written references to this Executive Order or its content by Car Sound, its principals, agents, employees, distributors, dealers, or other representatives must include the disclaimer that the Executive Order or the exemption it provides is not an endorsement or approval of any emission reduction claims for the catalytic converter and is only a finding that the catalytic converter is exempt from the prohibitions in VC Sections 27156 and 38391.
4. Car Sound's installation instructions for the new catalytic converter must conform to requirements in Section (h) of the Converter Evaluation Procedures.
5. Installation of the catalytic converter shall not cause the relocation of any oxygen sensors. Oxygen sensors must be installed in the same location, position and orientation as prescribed in the original equipment manufacturer's configurations.
6. Upon installation, the catalytic converter must carry a manufacturer's warranty for five (5) years or 50,000 miles as prescribed in Section (f)(2) of the Converter Evaluation Procedures.
7. Car Sound and its vendors may not advertise the new aftermarket catalytic converter as a "high flow" or "easy flow" catalytic converter or use any phrase that could make it appear to perform better than the original equipment manufacturer catalytic converter.
8. Any marketing arrangement of the new aftermarket catalytic converter by a third party, which involves the use of packaging identification different from the ones described in this Executive Order, must be approved by the California Air Resources Board prior to shipment.
9. Car Sound, its associates, vendors, other businesses, and individuals associated with Car Sound may not sell or supply new aftermarket catalytic converter substrates to a third party to be assembled in a different facility and marketed under this Executive Order without approval from the California Air Resources Board.
10. Car Sound shall comply with the quality control procedures and reporting requirements in Section (f)(5) of the Converter Evaluation Procedures.
11. Quality control reports must be submitted on a quarterly basis and warranty information reports on a semi-annual basis.
12. Car Sound must provide a permanent label or stamp as specified under Section (f)(1) of the Converter Evaluation Procedures.
13. Car Sound's vehicle application catalog must conform to the requirements specified under Section (f)(4) of the Converter Evaluation Procedures.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a 30-day written notice of intention to revoke it, during which period the holder of the order may request in writing a hearing to contest the proposed revocation. If a hearing is requested, it shall be held within 30 days of receipt of the request, and the order may not be revoked until a determination is made, after the hearing, that grounds for revocation exist.

Executed on this 30<sup>th</sup> day of December 2024.



Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No. | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|-----|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 1   | 2004       | Acura | TL    | 3.2                  | 4HNXV03.2CKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 2   | 2004       | Acura | TL    | 3.2                  | 4HNXV03.2CKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 3   | 2004       | Acura | TL    | 3.2                  | 4HNXV03.2CKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 4   | 2004       | Acura | TL    | 3.2                  | 4HNXV03.2CKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 5   | 2004       | Acura | TL    | 3.2                  | 4HNXV03.2CKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 6   | 2004       | Acura | TL    | 3.2                  | 4HNXV03.2CKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 7   | 2005       | Acura | RL    | 3.5                  | 5HNXV03.5PB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 8   | 2005       | Acura | RL    | 3.5                  | 5HNXV03.5PB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 9   | 2005       | Acura | RL    | 3.5                  | 5HNXV03.5PB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 10  | 2005       | Acura | RL    | 3.5                  | 5HNXV03.5PB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 11  | 2005       | Acura | RL    | 3.5                  | 5HNXV03.5PB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 12  | 2005       | Acura | RL    | 3.5                  | 5HNXV03.5PB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571009         | ALL              |
| 13  | 2005       | Acura | TL    | 3.2                  | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 14  | 2005       | Acura | TL    | 3.2                  | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 15  | 2005       | Acura | TL    | 3.2                  | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 16  | 2005       | Acura | TL    | 3.2                  | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 17  | 2005       | Acura | TL    | 3.2                  | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 18  | 2005       | Acura | TL    | 3.2                  | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 19  | 2006       | Acura | RL    | 3.5                  | 6HNXV03.5MKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 20  | 2006       | Acura | RL    | 3.5                  | 6HNXV03.5MKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 21  | 2006       | Acura | RL    | 3.5                  | 6HNXV03.5MKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 22  | 2006       | Acura | RL    | 3.5                  | 6HNXV03.5MKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 23  | 2006       | Acura | RL    | 3.5                  | 6HNXV03.5MKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 24  | 2006       | Acura | RL    | 3.5                  | 6HNXV03.5MKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571009         | ALL              |
| 25  | 2006       | Acura | TL    | 3.2                  | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 26  | 2006       | Acura | TL    | 3.2                  | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 27  | 2006       | Acura | TL    | 3.2                  | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 28  | 2006       | Acura | TL    | 3.2                  | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 29  | 2006       | Acura | TL    | 3.2                  | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 30  | 2006       | Acura | TL    | 3.2                  | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 31  | 2007       | Acura | RL    | 3.5                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 32  | 2007       | Acura | RL    | 3.5                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 33  | 2007       | Acura | RL    | 3.5                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 34  | 2007       | Acura | RL    | 3.5                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 35  | 2007       | Acura | RL    | 3.5                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 36  | 2007       | Acura | RL    | 3.5                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571009         | ALL              |
| 37  | 2007       | Acura | TL    | 3.2                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 38  | 2007       | Acura | TL    | 3.2                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 39  | 2007       | Acura | TL    | 3.2                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 40  | 2007       | Acura | TL    | 3.2                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 41  | 2007       | Acura | TL    | 3.2                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 42  | 2007       | Acura | TL    | 3.2                  | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 43                                               | 2007       | Acura | TL    | 3.5                  | 7HNXV03.5PKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 44                                               | 2007       | Acura | TL    | 3.5                  | 7HNXV03.5PKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 45                                               | 2007       | Acura | TL    | 3.5                  | 7HNXV03.5PKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 46                                               | 2007       | Acura | TL    | 3.5                  | 7HNXV03.5PKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 47                                               | 2007       | Acura | TL    | 3.5                  | 7HNXV03.5PKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 48                                               | 2007       | Acura | TL    | 3.5                  | 7HNXV03.5PKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 49                                               | 2008       | Acura | RL    | 3.5                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 50                                               | 2008       | Acura | RL    | 3.5                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 51                                               | 2008       | Acura | RL    | 3.5                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 52                                               | 2008       | Acura | RL    | 3.5                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 53                                               | 2008       | Acura | RL    | 3.5                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571009         | ALL              |
| 54                                               | 2008       | Acura | TL    | 3.2                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 55                                               | 2008       | Acura | TL    | 3.2                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 56                                               | 2008       | Acura | TL    | 3.2                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 57                                               | 2008       | Acura | TL    | 3.2                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 58                                               | 2008       | Acura | TL    | 3.2                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 59                                               | 2008       | Acura | TL    | 3.2                  | 8HNXV03.5HKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 60                                               | 2008       | Acura | TL    | 3.5                  | 8HNXV03.5RKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 61                                               | 2008       | Acura | TL    | 3.5                  | 8HNXV03.5RKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 62                                               | 2008       | Acura | TL    | 3.5                  | 8HNXV03.5RKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 63                                               | 2008       | Acura | TL    | 3.5                  | 8HNXV03.5RKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 64                                               | 2008       | Acura | TL    | 3.5                  | 8HNXV03.5RKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 65                                               | 2008       | Acura | TL    | 3.5                  | 8HNXV03.5RKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 66                                               | 2009       | Acura | RL    | 3.7                  | 9HNXV03.7FB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 67                                               | 2009       | Acura | RL    | 3.7                  | 9HNXV03.7FB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 68                                               | 2009       | Acura | TL    | 3.5                  | 9HNXV03.56B9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 69                                               | 2009       | Acura | TL    | 3.5                  | 9HNXV03.56B9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 70                                               | 2009       | Acura | TL    | 3.5                  | 9HNXV03.56B9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 71                                               | 2009       | Acura | TL    | 3.5                  | 9HNXV03.56B9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 72                                               | 2009       | Acura | TL    | 3.5                  | 9HNXV03.56B9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 73                                               | 2009       | Acura | TSX   | 2.4                  | 9HNXV02.44B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 74                                               | 2009       | Acura | TSX   | 2.4                  | 9HNXV02.44B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 75                                               | 2009       | Acura | TSX   | 2.4                  | 9HNXV02.44B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 76                                               | 2009       | Acura | TSX   | 2.4                  | 9HNXV02.44B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 77                                               | 2010       | Acura | RL    | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 78                                               | 2010       | Acura | RL    | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 79                                               | 2010       | Acura | TL    | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 80                                               | 2010       | Acura | TL    | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 81                                               | 2010       | Acura | TL    | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 82                                               | 2010       | Acura | TL    | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 83                                               | 2010       | Acura | TL    | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 84                                               | 2010       | Acura | TSX   | 2.4                  | AHNXV02.4SB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 85                                               | 2010       | Acura | TSX   | 2.4                  | AHNXV02.4SB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 86                                               | 2010       | Acura | TSX   | 2.4                  | AHNXV02.4SB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 87                                               | 2010       | Acura | TSX   | 2.4                  | AHNXV02.4SB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 88                                               | 2010       | Acura | TSX   | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 89                                               | 2010       | Acura | TSX   | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 90                                               | 2010       | Acura | TSX   | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 91                                               | 2010       | Acura | TSX   | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 92                                               | 2010       | Acura | TSX   | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 93                                               | 2010       | Acura | ZDX   | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 94                                               | 2010       | Acura | ZDX   | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 95                                               | 2010       | Acura | ZDX   | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 96                                               | 2010       | Acura | ZDX   | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 97                                               | 2010       | Acura | ZDX   | 3.7                  | AHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571862         | ALL              |
| 98                                               | 2011       | Acura | TL    | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 99                                               | 2011       | Acura | TL    | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 100                                              | 2011       | Acura | TL    | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 101                                              | 2011       | Acura | TL    | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 102                                              | 2011       | Acura | TL    | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 103                                              | 2011       | Acura | TSX   | 2.4                  | BHNXV02.4DB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 104                                              | 2011       | Acura | TSX   | 2.4                  | BHNXV02.4DB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 105                                              | 2011       | Acura | TSX   | 2.4                  | BHNXV02.4DB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 106                                              | 2011       | Acura | TSX   | 2.4                  | BHNXV02.4DB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 107                                              | 2011       | Acura | TSX   | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 108                                              | 2011       | Acura | TSX   | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 109                                              | 2011       | Acura | TSX   | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 110                                              | 2011       | Acura | TSX   | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 111                                              | 2011       | Acura | TSX   | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 112                                              | 2011       | Acura | ZDX   | 3.7                  | BHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 113                                              | 2011       | Acura | ZDX   | 3.7                  | BHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 114                                              | 2011       | Acura | ZDX   | 3.7                  | BHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 115                                              | 2011       | Acura | ZDX   | 3.7                  | BHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 116                                              | 2011       | Acura | ZDX   | 3.7                  | BHNXV03.7PB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571862         | ALL              |
| 117                                              | 2012       | Acura | RL    | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 118                                              | 2012       | Acura | RL    | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 119                                              | 2012       | Acura | RL    | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 120                                              | 2012       | Acura | RL    | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 121                                              | 2012       | Acura | RL    | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 122                                              | 2012       | Acura | RL    | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571724         | ALL              |
| 123                                              | 2012       | Acura | TL    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 124                                              | 2012       | Acura | TL    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 125                                              | 2012       | Acura | TL    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 126                                              | 2012       | Acura | TL    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No. | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|-----|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 127 | 2012       | Acura | TL    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 128 | 2012       | Acura | TSX   | 2.4                  | CHNXV02.4DB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 129 | 2012       | Acura | TSX   | 2.4                  | CHNXV02.4DB9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 130 | 2012       | Acura | TSX   | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 131 | 2012       | Acura | TSX   | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 132 | 2012       | Acura | TSX   | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 133 | 2012       | Acura | TSX   | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 134 | 2012       | Acura | TSX   | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 135 | 2012       | Acura | ZDX   | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 136 | 2012       | Acura | ZDX   | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 137 | 2012       | Acura | ZDX   | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 138 | 2012       | Acura | ZDX   | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 139 | 2012       | Acura | ZDX   | 3.7                  | CHNXV03.7WB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571862         | ALL              |
| 140 | 2013       | Acura | ILX   | 1.5                  | DHNXV01.5WF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531036         | ALL              |
| 141 | 2013       | Acura | ILX   | 1.5                  | DHNXV01.5WF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 142 | 2013       | Acura | ILX   | 1.5                  | DHNXV01.5WF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 143 | 2013       | Acura | ILX   | 1.5                  | DHNXV01.5WF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 144 | 2013       | Acura | ILX   | 1.5                  | DHNXV01.5WF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571749         | ALL              |
| 145 | 2013       | Acura | ILX   | 2                    | DHNXV02.0CB2    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 146 | 2013       | Acura | TL    | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 147 | 2013       | Acura | TL    | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 148 | 2013       | Acura | TL    | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 149 | 2013       | Acura | TL    | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 150 | 2013       | Acura | TL    | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 151 | 2013       | Acura | TSX   | 2.4                  | DHNXV02.4DB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 152 | 2013       | Acura | TSX   | 2.4                  | DHNXV02.4DB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 153 | 2013       | Acura | TSX   | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 154 | 2013       | Acura | TSX   | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 155 | 2013       | Acura | TSX   | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 156 | 2013       | Acura | TSX   | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 157 | 2013       | Acura | TSX   | 3.5                  | DHNXV03.5GB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 158 | 2013       | Acura | ZDX   | 3.7                  | DHNXV03.7TB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 159 | 2013       | Acura | ZDX   | 3.7                  | DHNXV03.7TB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 160 | 2013       | Acura | ZDX   | 3.7                  | DHNXV03.7TB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 161 | 2013       | Acura | ZDX   | 3.7                  | DHNXV03.7TB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 162 | 2013       | Acura | ZDX   | 3.7                  | DHNXV03.7TB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571862         | ALL              |
| 163 | 2014       | Acura | ILX   | 1.5                  | EHNXV01.5YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531036         | ALL              |
| 164 | 2014       | Acura | ILX   | 1.5                  | EHNXV01.5YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 165 | 2014       | Acura | ILX   | 1.5                  | EHNXV01.5YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 166 | 2014       | Acura | ILX   | 1.5                  | EHNXV01.5YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 167 | 2014       | Acura | ILX   | 1.5                  | EHNXV01.5YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571749         | ALL              |
| 168 | 2014       | Acura | ILX   | 2                    | EHNXV02.0EB3    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 169                                              | 2014       | Acura | MDX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 170                                              | 2014       | Acura | MDX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 171                                              | 2014       | Acura | MDX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 172                                              | 2014       | Acura | MDX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 173                                              | 2014       | Acura | MDX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 174                                              | 2014       | Acura | MDX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571756         | ALL              |
| 175                                              | 2014       | Acura | RLX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 176                                              | 2014       | Acura | RLX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 177                                              | 2014       | Acura | RLX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 178                                              | 2014       | Acura | RLX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 179                                              | 2014       | Acura | RLX   | 3.5                  | EHNXV03.55B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571747         | ALL              |
| 180                                              | 2014       | Acura | TL    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 181                                              | 2014       | Acura | TL    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 182                                              | 2014       | Acura | TL    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 183                                              | 2014       | Acura | TL    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 184                                              | 2014       | Acura | TL    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 185                                              | 2014       | Acura | TSX   | 2.4                  | EHNXV02.4DB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 186                                              | 2014       | Acura | TSX   | 2.4                  | EHNXV02.4DB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 187                                              | 2014       | Acura | TSX   | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 188                                              | 2014       | Acura | TSX   | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 189                                              | 2014       | Acura | TSX   | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 190                                              | 2014       | Acura | TSX   | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 191                                              | 2014       | Acura | TSX   | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 192                                              | 2015       | Acura | MDX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 193                                              | 2015       | Acura | MDX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 194                                              | 2015       | Acura | MDX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 195                                              | 2015       | Acura | MDX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 196                                              | 2015       | Acura | MDX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 197                                              | 2015       | Acura | MDX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571756         | ALL              |
| 198                                              | 2015       | Acura | RLX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 199                                              | 2015       | Acura | RLX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 200                                              | 2015       | Acura | RLX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 201                                              | 2015       | Acura | RLX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 202                                              | 2015       | Acura | RLX   | 3.5                  | FHNXV03.5XA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571747         | ALL              |
| 203                                              | 2015       | Acura | TLX   | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 204                                              | 2015       | Acura | TLX   | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 205                                              | 2015       | Acura | TLX   | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 206                                              | 2015       | Acura | TLX   | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 207                                              | 2015       | Acura | TLX   | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571023         | ALL              |
| 208                                              | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 209                                              | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 210                                              | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No. | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|-----|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 211 | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 212 | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 213 | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571027         | ALL              |
| 214 | 2015       | Acura | TLX   | 3.5                  | FHNXV03.5WA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571746         | ALL              |
| 215 | 2016       | Acura | MDX   | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531893         | ALL              |
| 216 | 2016       | Acura | MDX   | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531898         | ALL              |
| 217 | 2016       | Acura | MDX   | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 218 | 2016       | Acura | MDX   | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 219 | 2016       | Acura | MDX   | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 220 | 2016       | Acura | MDX   | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571756         | ALL              |
| 221 | 2016       | Acura | RLX   | 3.5                  | GHNXV03.5SA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 222 | 2016       | Acura | RLX   | 3.5                  | GHNXV03.5SA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 223 | 2016       | Acura | RLX   | 3.5                  | GHNXV03.5SA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 224 | 2016       | Acura | RLX   | 3.5                  | GHNXV03.5SA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 225 | 2016       | Acura | RLX   | 3.5                  | GHNXV03.5SA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571747         | ALL              |
| 226 | 2016       | Acura | TLX   | 2.4                  | GHNXJ02.41A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 227 | 2016       | Acura | TLX   | 2.4                  | GHNXJ02.41A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 228 | 2016       | Acura | TLX   | 2.4                  | GHNXJ02.41A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 229 | 2016       | Acura | TLX   | 2.4                  | GHNXJ02.41A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 230 | 2016       | Acura | TLX   | 2.4                  | GHNXJ02.41A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571023         | ALL              |
| 231 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 232 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 233 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 234 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 235 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 236 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571027         | ALL              |
| 237 | 2016       | Acura | TLX   | 3.5                  | GHNXV03.5RA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571746         | ALL              |
| 238 | 2017       | Acura | RLX   | 3.5                  | HHNXV03.5NA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 239 | 2017       | Acura | RLX   | 3.5                  | HHNXV03.5NA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 240 | 2017       | Acura | RLX   | 3.5                  | HHNXV03.5NA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 241 | 2017       | Acura | RLX   | 3.5                  | HHNXV03.5NA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 242 | 2017       | Acura | RLX   | 3.5                  | HHNXV03.5NA4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571747         | ALL              |
| 243 | 2017       | Acura | TLX   | 2.4                  | HHNXV02.4TA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 244 | 2017       | Acura | TLX   | 2.4                  | HHNXV02.4TA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 245 | 2017       | Acura | TLX   | 2.4                  | HHNXV02.4TA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 246 | 2017       | Acura | TLX   | 2.4                  | HHNXV02.4TA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 247 | 2017       | Acura | TLX   | 2.4                  | HHNXV02.4TA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571023         | ALL              |
| 248 | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 249 | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 250 | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 251 | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 252 | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 253                                              | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571027         | ALL              |
| 254                                              | 2017       | Acura | TLX   | 3.5                  | HHNXV03.5MA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571746         | ALL              |
| 255                                              | 2003       | BMW   | 325Ci | 2.5                  | 3BMXV03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 256                                              | 2003       | BMW   | 325Ci | 2.5                  | 3BMXV03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 257                                              | 2003       | BMW   | 325i  | 2.5                  | 3BMXV03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 258                                              | 2003       | BMW   | 325i  | 2.5                  | 3BMXV03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 259                                              | 2004       | BMW   | 325Ci | 2.5                  | 4BMXX03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 260                                              | 2004       | BMW   | 325Ci | 2.5                  | 4BMXX03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 261                                              | 2004       | BMW   | 325i  | 2.5                  | 4BMXX03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 262                                              | 2004       | BMW   | 325i  | 2.5                  | 4BMXX03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 263                                              | 2004       | BMW   | 525i  | 2.5                  | 4BMXX03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531980         | ALL              |
| 264                                              | 2004       | BMW   | 525i  | 2.5                  | 4BMXX03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531770         | ALL              |
| 265                                              | 2005       | BMW   | 325Ci | 2.5                  | 5BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 266                                              | 2005       | BMW   | 325Ci | 2.5                  | 5BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 267                                              | 2005       | BMW   | 325i  | 2.5                  | 5BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 268                                              | 2005       | BMW   | 325i  | 2.5                  | 5BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 269                                              | 2005       | BMW   | 525i  | 2.5                  | 5BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531980         | ALL              |
| 270                                              | 2005       | BMW   | 525i  | 2.5                  | 5BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531770         | ALL              |
| 271                                              | 2006       | BMW   | 325Ci | 2.5                  | 6BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | F              | DIRECT FIT          | 5531758         | ALL              |
| 272                                              | 2006       | BMW   | 325Ci | 2.5                  | 6BMXB03.0UL2    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | R              | DIRECT FIT          | 5531759         | ALL              |
| 273                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 274                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 275                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 276                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 277                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 278                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 279                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 280                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 281                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 282                                              | 2006       | BMW   | 325i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 283                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 284                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 285                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 286                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 287                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 288                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 289                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 290                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 291                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 292                                              | 2006       | BMW   | 325xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 293                                              | 2006       | BMW   | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 294                                              | 2006       | BMW   | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |

| Appendix D-193-175                               |            |      |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 295                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 296                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 297                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 298                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 299                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 300                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 301                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 302                                              | 2006       | BMW  | 330i  | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 303                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5571762         | ALL              |
| 304                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 305                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 306                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 307                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 308                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 309                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 310                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 311                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 312                                              | 2006       | BMW  | 330xi | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 313                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531718         | ALL              |
| 314                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531719         | ALL              |
| 315                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 316                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 317                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 318                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 319                                              | 2006       | BMW  | Z4    | 3                    | 6BMXV03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 5571725         | ALL              |
| 320                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 321                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 322                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 323                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 324                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 325                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 326                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 327                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 328                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 329                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 330                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 331                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 332                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 333                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 334                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 335                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 336                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |      |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 337                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 338                                              | 2007       | BMW  | 328i  | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 339                                              | 2007       | BMW  | 328i  | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 340                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 341                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 342                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 343                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 344                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 345                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 346                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 347                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 348                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 349                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 350                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 351                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 352                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 353                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 354                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 355                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 356                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 357                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 358                                              | 2007       | BMW  | 328xi | 3                    | 7BMXV03.0N5N    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 359                                              | 2007       | BMW  | 328xi | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 360                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531718         | ALL              |
| 361                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531719         | ALL              |
| 362                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 363                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 364                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 365                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 366                                              | 2007       | BMW  | Z4    | 3                    | 7BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 5571725         | ALL              |
| 367                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 368                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 369                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 370                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 371                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 372                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 373                                              | 2008       | BMW  | 128i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 374                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 375                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 376                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 377                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 378                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |      |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 379                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 380                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 381                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 382                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 383                                              | 2008       | BMW  | 328i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 384                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 385                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 386                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 387                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 388                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 389                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 390                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 391                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 392                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 393                                              | 2008       | BMW  | 328xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 394                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 395                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 396                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571374         | ALL              |
| 397                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571375         | ALL              |
| 398                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 399                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 400                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 401                                              | 2008       | BMW  | 528i  | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 402                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 403                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 404                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 405                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 406                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571374         | ALL              |
| 407                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571375         | ALL              |
| 408                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 409                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 410                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 411                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 412                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571374         | ALL              |
| 413                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 414                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 415                                              | 2008       | BMW  | 528xi | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 416                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 417                                              | 2008       | BMW  | 528xi | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571375         | ALL              |
| 418                                              | 2008       | BMW  | Z4    | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531718         | ALL              |
| 419                                              | 2008       | BMW  | Z4    | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531719         | ALL              |
| 420                                              | 2008       | BMW  | Z4    | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 421                                              | 2008       | BMW  | Z4          | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 422                                              | 2008       | BMW  | Z4          | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 423                                              | 2008       | BMW  | Z4          | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 424                                              | 2008       | BMW  | Z4          | 3                    | 8BMXB03.0N52    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 5571725         | ALL              |
| 425                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 426                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 427                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 428                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 429                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571238         | ALL              |
| 430                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571238         | ALL              |
| 431                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 432                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 433                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 434                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 435                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 436                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 437                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 438                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 439                                              | 2009       | BMW  | 128i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 440                                              | 2009       | BMW  | 128i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 441                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531762         | ALL              |
| 442                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 443                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 444                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 445                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 446                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531763         | ALL              |
| 447                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 448                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 449                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 450                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 451                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 452                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 453                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 454                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 455                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 456                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 457                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 458                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 459                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 460                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 461                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 462                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |

| Appendix D-193-175                               |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 463                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 464                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 465                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 466                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571764         | ALL              |
| 467                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 468                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 469                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 470                                              | 2009       | BMW  | 328i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571765         | ALL              |
| 471                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5571762         | ALL              |
| 472                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 473                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 474                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 475                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 476                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531763         | ALL              |
| 477                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 478                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 479                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 480                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 481                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 482                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 483                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 484                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 485                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 486                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 487                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 488                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 489                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 490                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 491                                              | 2009       | BMW  | 328i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 492                                              | 2009       | BMW  | 328i        | 3                    | 9BMXV03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 493                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 494                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 495                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 496                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571764         | ALL              |
| 497                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 498                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 499                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 500                                              | 2009       | BMW  | 328i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571765         | ALL              |
| 501                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 502                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 503                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 504                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531226         | ALL              |

| Appendix D-193-175                               |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 505                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571374         | ALL              |
| 506                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571375         | ALL              |
| 507                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 508                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 509                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 510                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 511                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571374         | ALL              |
| 512                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 513                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 514                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 515                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 516                                              | 2009       | BMW  | 528i xDrive | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571375         | ALL              |
| 517                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 518                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 519                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 520                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 521                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571374         | ALL              |
| 522                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571375         | ALL              |
| 523                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 524                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 525                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 526                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 527                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571374         | ALL              |
| 528                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 529                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 530                                              | 2009       | BMW  | 528i        | 3                    | 9BMXB03.0N5R    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 531                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 532                                              | 2009       | BMW  | 528i        | 3                    | 9BMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571375         | ALL              |
| 533                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 534                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 535                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571238         | ALL              |
| 536                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 537                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 538                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 539                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 540                                              | 2010       | BMW  | 128i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 541                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 542                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 543                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 544                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 545                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 546                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |

| Appendix D-193-175                               |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 547                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 548                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 549                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 550                                              | 2010       | BMW  | 328i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 551                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 552                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 553                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 554                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 555                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 556                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 557                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 558                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 559                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 560                                              | 2010       | BMW  | 328i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 561                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 562                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 563                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 564                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 565                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571374         | ALL              |
| 566                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571375         | ALL              |
| 567                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 568                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 569                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 570                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 571                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571374         | ALL              |
| 572                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 573                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 574                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 575                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 576                                              | 2010       | BMW  | 528i xDrive | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571375         | ALL              |
| 577                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 578                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 579                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 580                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 581                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571374         | ALL              |
| 582                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571375         | ALL              |
| 583                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 584                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 585                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 586                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 587                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571374         | ALL              |
| 588                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 589                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 590                                              | 2010       | BMW  | 528i        | 3                    | ABMXB03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 591                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 592                                              | 2010       | BMW  | 528i        | 3                    | ABMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571375         | ALL              |
| 593                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 594                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 595                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571238         | ALL              |
| 596                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 597                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 598                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 599                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 600                                              | 2011       | BMW  | 128i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 601                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 602                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 603                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 604                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 605                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 606                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 607                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 608                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 609                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 610                                              | 2011       | BMW  | 328i xDrive | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 611                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 612                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 613                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 614                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 615                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 616                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 617                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 618                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 619                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 620                                              | 2011       | BMW  | 328i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 621                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531222         | ALL              |
| 622                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | R              | DIRECT FIT          | 5531226         | ALL              |
| 623                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 624                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 625                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571374         | ALL              |
| 626                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 627                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 628                                              | 2011       | BMW  | 528i        | 3                    | BBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571375         | ALL              |
| 629                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 630                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |

| Appendix D-193-175                               |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |             |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 631                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571238         | ALL              |
| 632                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 633                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 634                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 635                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 636                                              | 2012       | BMW  | 128i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 637                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 638                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 639                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 640                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 641                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 642                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 643                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 644                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 645                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 646                                              | 2012       | BMW  | 328i xDrive | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 647                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 648                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 649                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 650                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 651                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 652                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 653                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 654                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 655                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 656                                              | 2012       | BMW  | 328i        | 3                    | CBMXJ03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 657                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 658                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 659                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571238         | ALL              |
| 660                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571239         | ALL              |
| 661                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 662                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 663                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 664                                              | 2013       | BMW  | 128i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 665                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 666                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 667                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 668                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 669                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 670                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 671                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 672                                              | 2013       | BMW  | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No. | Model Year | Make      | Model       | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|-----|------------|-----------|-------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 673 | 2013       | BMW       | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 674 | 2013       | BMW       | 328i xDrive | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 675 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531762         | ALL              |
| 676 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531763         | ALL              |
| 677 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | ALL              |
| 678 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | ALL              |
| 679 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | ALL              |
| 680 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 5571764         | ALL              |
| 681 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | ALL              |
| 682 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | ALL              |
| 683 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | ALL              |
| 684 | 2013       | BMW       | 328i        | 3                    | DBMXV03.0E89    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 5571765         | ALL              |
| 685 | 2006       | Chevrolet | Malibu      | 2.2                  | 6GMXV02.4028    | LEV2 LEV            | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 686 | 2007       | Chevrolet | Malibu      | 2.2                  | 7GMXV02.4028    | LEV2 LEV            | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 687 | 2008       | Chevrolet | Malibu      | 2.2                  | 8GMXV02.2028    | LEV2 LEV            | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 688 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 689 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 690 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 691 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 692 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 693 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 694 | 2008       | Chevrolet | Malibu      | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 695 | 2009       | Chevrolet | Aveo        | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 696 | 2009       | Chevrolet | Aveo        | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 697 | 2009       | Chevrolet | Aveo        | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 698 | 2009       | Chevrolet | Aveo        | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 699 | 2009       | Chevrolet | Aveo5       | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 700 | 2009       | Chevrolet | Aveo5       | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 701 | 2009       | Chevrolet | Aveo5       | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 702 | 2009       | Chevrolet | Aveo5       | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 703 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 704 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 705 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 706 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 707 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 708 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 709 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571269         | ALL              |
| 710 | 2009       | Chevrolet | Malibu      | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571269         | ALL              |
| 711 | 2010       | Chevrolet | Aveo        | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 712 | 2010       | Chevrolet | Aveo        | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 713 | 2010       | Chevrolet | Aveo        | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 714 | 2010       | Chevrolet | Aveo        | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571469         | ALL              |

| Appendix D-193-175                               |            |           |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-----------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |           |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make      | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 715                                              | 2010       | Chevrolet | Aveo5  | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 716                                              | 2010       | Chevrolet | Aveo5  | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 717                                              | 2010       | Chevrolet | Aveo5  | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 718                                              | 2010       | Chevrolet | Aveo5  | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 719                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 720                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4033    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 721                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 722                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 723                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4033    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 724                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4033    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 725                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 726                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571269         | ALL              |
| 727                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4033    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571269         | ALL              |
| 728                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 729                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 730                                              | 2010       | Chevrolet | Malibu | 2.4                  | AGMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571269         | ALL              |
| 731                                              | 2011       | Chevrolet | Aveo   | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 732                                              | 2011       | Chevrolet | Aveo   | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 733                                              | 2011       | Chevrolet | Aveo   | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 734                                              | 2011       | Chevrolet | Aveo   | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 735                                              | 2011       | Chevrolet | Aveo5  | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 736                                              | 2011       | Chevrolet | Aveo5  | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 737                                              | 2011       | Chevrolet | Aveo5  | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 738                                              | 2011       | Chevrolet | Aveo5  | 1.6                  | BGD XV01.6004   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 739                                              | 2011       | Chevrolet | Cruze  | 1.8                  | BGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 740                                              | 2011       | Chevrolet | Cruze  | 1.8                  | BGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 741                                              | 2011       | Chevrolet | Cruze  | 1.8                  | BGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 742                                              | 2011       | Chevrolet | Cruze  | 1.8                  | BGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 743                                              | 2011       | Chevrolet | Cruze  | 1.8                  | BGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571091         | ALL              |
| 744                                              | 2012       | Chevrolet | Cruze  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 745                                              | 2012       | Chevrolet | Cruze  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 746                                              | 2012       | Chevrolet | Cruze  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 747                                              | 2012       | Chevrolet | Cruze  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 748                                              | 2012       | Chevrolet | Cruze  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571091         | ALL              |
| 749                                              | 2012       | Chevrolet | Sonic  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 750                                              | 2012       | Chevrolet | Sonic  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 751                                              | 2012       | Chevrolet | Sonic  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 752                                              | 2012       | Chevrolet | Sonic  | 1.8                  | CGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571421         | ALL              |
| 753                                              | 2013       | Chevrolet | Cruze  | 1.8                  | DGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 754                                              | 2013       | Chevrolet | Cruze  | 1.8                  | DGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 755                                              | 2013       | Chevrolet | Cruze  | 1.8                  | DGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 756                                              | 2013       | Chevrolet | Cruze  | 1.8                  | DGM XV01.8011   | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |           |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-----------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |           |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make      | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 757                                              | 2013       | Chevrolet | Cruze   | 1.8                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571091         | ALL              |
| 758                                              | 2013       | Chevrolet | Sonic   | 1.8                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 759                                              | 2013       | Chevrolet | Sonic   | 1.8                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 760                                              | 2013       | Chevrolet | Sonic   | 1.8                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 761                                              | 2013       | Chevrolet | Sonic   | 1.8                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571421         | ALL              |
| 762                                              | 2013       | Chevrolet | Spark   | 1.2                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531157         | ALL              |
| 763                                              | 2013       | Chevrolet | Spark   | 1.2                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 764                                              | 2013       | Chevrolet | Spark   | 1.2                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 765                                              | 2013       | Chevrolet | Spark   | 1.2                  | DGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571997         | ALL              |
| 766                                              | 2014       | Chevrolet | Cruze   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 767                                              | 2014       | Chevrolet | Cruze   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 768                                              | 2014       | Chevrolet | Cruze   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 769                                              | 2014       | Chevrolet | Cruze   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 770                                              | 2014       | Chevrolet | Cruze   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571091         | ALL              |
| 771                                              | 2014       | Chevrolet | Sonic   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 772                                              | 2014       | Chevrolet | Sonic   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 773                                              | 2014       | Chevrolet | Sonic   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 774                                              | 2014       | Chevrolet | Sonic   | 1.8                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571421         | ALL              |
| 775                                              | 2014       | Chevrolet | Spark   | 1.2                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531157         | ALL              |
| 776                                              | 2014       | Chevrolet | Spark   | 1.2                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 777                                              | 2014       | Chevrolet | Spark   | 1.2                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 778                                              | 2014       | Chevrolet | Spark   | 1.2                  | EGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571997         | ALL              |
| 779                                              | 2015       | Chevrolet | Cruze   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 780                                              | 2015       | Chevrolet | Cruze   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 781                                              | 2015       | Chevrolet | Cruze   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 782                                              | 2015       | Chevrolet | Cruze   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 783                                              | 2015       | Chevrolet | Cruze   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571091         | ALL              |
| 784                                              | 2015       | Chevrolet | Sonic   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531145         | ALL              |
| 785                                              | 2015       | Chevrolet | Sonic   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 786                                              | 2015       | Chevrolet | Sonic   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 787                                              | 2015       | Chevrolet | Sonic   | 1.8                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571421         | ALL              |
| 788                                              | 2015       | Chevrolet | Spark   | 1.2                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531157         | ALL              |
| 789                                              | 2015       | Chevrolet | Spark   | 1.2                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 790                                              | 2015       | Chevrolet | Spark   | 1.2                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 791                                              | 2015       | Chevrolet | Spark   | 1.2                  | FGMXV01.8011    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571997         | ALL              |
| 792                                              | 2007       | Dodge     | Caliber | 2.4                  | 7CRXB0144M80    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531260         | AWD              |
| 793                                              | 2007       | Dodge     | Caliber | 2.4                  | 7CRXB0144M80    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 794                                              | 2007       | Dodge     | Caliber | 2.4                  | 7CRXB0144M80    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 795                                              | 2007       | Dodge     | Caliber | 2.4                  | 7CRXB0144M80    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 796                                              | 2007       | Dodge     | Caliber | 2.4                  | 7CRXB0144M80    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | U              | DIRECT FIT          | 5571661         | AWD              |
| 797                                              | 2013       | Dodge     | Dart    | 2                    | DCRXV02.0UP0    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |
| 798                                              | 2013       | Dodge     | Dart    | 2                    | DCRXV02.0UPA    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |

| Appendix D-193-175                               |            |       |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 799                                              | 2014       | Dodge | Dart   | 2                    | ECRXV02.05PA    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |
| 800                                              | 2014       | Dodge | Dart   | 2                    | ECRXV02.45P0    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |
| 801                                              | 2015       | Dodge | Dart   | 2                    | FCRXJ02.45PA    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |
| 802                                              | 2016       | Dodge | Dart   | 2                    | GCRXJ02.45PA    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |
| 803                                              | 2016       | Dodge | Dart   | 2                    | GCRXV02.45P3    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531158         | ALL              |
| 804                                              | 2005       | Ford  | Escape | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 805                                              | 2005       | Ford  | Escape | 2.3                  | 5FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 806                                              | 2005       | Ford  | Escape | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571662         | ALL              |
| 807                                              | 2005       | Ford  | Escape | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 808                                              | 2005       | Ford  | Escape | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 809                                              | 2005       | Ford  | Escape | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 810                                              | 2005       | Ford  | Escape | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 811                                              | 2005       | Ford  | Escape | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 812                                              | 2005       | Ford  | Escape | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 813                                              | 2005       | Ford  | Focus  | 2                    | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531393         | ALL              |
| 814                                              | 2005       | Ford  | Focus  | 2                    | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 815                                              | 2005       | Ford  | Focus  | 2                    | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 816                                              | 2005       | Ford  | Focus  | 2                    | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571196         | ALL              |
| 817                                              | 2005       | Ford  | Focus  | 2.3                  | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531393         | ALL              |
| 818                                              | 2005       | Ford  | Focus  | 2.3                  | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 819                                              | 2005       | Ford  | Focus  | 2.3                  | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 820                                              | 2005       | Ford  | Focus  | 2.3                  | 5FMXV02.31D4    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571196         | ALL              |
| 821                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 822                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 823                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 824                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 825                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 826                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 827                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 828                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 829                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 830                                              | 2006       | Ford  | Escape | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 831                                              | 2006       | Ford  | Escape | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 832                                              | 2006       | Ford  | Escape | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 833                                              | 2006       | Ford  | Escape | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 834                                              | 2006       | Ford  | Escape | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 835                                              | 2006       | Ford  | Escape | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 836                                              | 2006       | Ford  | Escape | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 837                                              | 2006       | Ford  | Focus  | 2                    | 6FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531393         | ALL              |
| 838                                              | 2006       | Ford  | Focus  | 2                    | 6FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 839                                              | 2006       | Ford  | Focus  | 2                    | 6FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 840                                              | 2006       | Ford  | Focus  | 2                    | 6FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571196         | ALL              |

| Appendix D-193-175                               |            |      |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 841                                              | 2006       | Ford | Focus  | 2.3                  | 6FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531393         | ALL              |
| 842                                              | 2006       | Ford | Focus  | 2.3                  | 6FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 843                                              | 2006       | Ford | Focus  | 2.3                  | 6FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 844                                              | 2006       | Ford | Focus  | 2.3                  | 6FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571196         | ALL              |
| 845                                              | 2006       | Ford | Fusion | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | ALL              |
| 846                                              | 2006       | Ford | Fusion | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | ALL              |
| 847                                              | 2006       | Ford | Fusion | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 848                                              | 2006       | Ford | Fusion | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 849                                              | 2006       | Ford | Fusion | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 850                                              | 2006       | Ford | Fusion | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | ALL              |
| 851                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 852                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 853                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 854                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 855                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 856                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 857                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 858                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 859                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 860                                              | 2007       | Ford | Escape | 2.3                  | 7FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 861                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 862                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 863                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 864                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 865                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 866                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 867                                              | 2007       | Ford | Escape | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 868                                              | 2007       | Ford | Focus  | 2                    | 7FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 869                                              | 2007       | Ford | Focus  | 2                    | 7FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 870                                              | 2007       | Ford | Focus  | 2                    | 7FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571196         | ALL              |
| 871                                              | 2007       | Ford | Focus  | 2.3                  | 7FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531393         | ALL              |
| 872                                              | 2007       | Ford | Focus  | 2.3                  | 7FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 873                                              | 2007       | Ford | Focus  | 2.3                  | 7FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 874                                              | 2007       | Ford | Focus  | 2.3                  | 7FMXV02.3VD5    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571196         | ALL              |
| 875                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 876                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 877                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 878                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 879                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 880                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 881                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 882                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |

| Appendix D-193-175                               |            |      |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 883                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 884                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 885                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 886                                              | 2007       | Ford | Fusion | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 887                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 888                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 889                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 890                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 891                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 892                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 893                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 894                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 895                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 896                                              | 2008       | Ford | Escape | 2.3                  | 8FMXT02.31EF    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 897                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 898                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 899                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 900                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 901                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 902                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 903                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 904                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 905                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 906                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 907                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 908                                              | 2008       | Ford | Escape | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 909                                              | 2008       | Ford | Focus  | 2                    | 8FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531139         | AUTOMATIC        |
| 910                                              | 2008       | Ford | Focus  | 2                    | 8FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531052         | MANUAL           |
| 911                                              | 2008       | Ford | Fusion | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 912                                              | 2008       | Ford | Fusion | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 913                                              | 2008       | Ford | Fusion | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 914                                              | 2008       | Ford | Fusion | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 915                                              | 2008       | Ford | Fusion | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 916                                              | 2008       | Ford | Fusion | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 917                                              | 2009       | Ford | Escape | 3                    | 9FMXT03.01EN    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 918                                              | 2009       | Ford | Escape | 3                    | 9FMXT03.01EN    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 919                                              | 2009       | Ford | Escape | 3                    | 9FMXT03.01EN    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 920                                              | 2009       | Ford | Focus  | 2                    | 9FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531139         | AUTOMATIC        |
| 921                                              | 2009       | Ford | Focus  | 2                    | 9FMXV02.0VDX    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531153         | MANUAL           |
| 922                                              | 2009       | Ford | Focus  | 2                    | 9FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531153         | MANUAL           |
| 923                                              | 2009       | Ford | Focus  | 2                    | 9FMXV02.0VD4    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531052         | MANUAL           |
| 924                                              | 2009       | Ford | Focus  | 2                    | 9FMXV02.0VDX    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531052         | MANUAL           |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No. | Model Year | Make | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|-----|------------|------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 925 | 2009       | Ford | Fusion | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 926 | 2009       | Ford | Fusion | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 927 | 2009       | Ford | Fusion | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 928 | 2009       | Ford | Fusion | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 929 | 2009       | Ford | Fusion | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 930 | 2009       | Ford | Fusion | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 931 | 2010       | Ford | Escape | 3                    | AFMXT03.01DE    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 932 | 2010       | Ford | Escape | 3                    | AFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 933 | 2010       | Ford | Escape | 3                    | AFMXT03.01DE    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 934 | 2010       | Ford | Escape | 3                    | AFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 935 | 2010       | Ford | Escape | 3                    | AFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 936 | 2010       | Ford | Escape | 3                    | AFMXT03.01DE    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 937 | 2010       | Ford | Focus  | 2                    | AFMXV02.0VDX    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531139         | AUTOMATIC        |
| 938 | 2010       | Ford | Focus  | 2                    | AFMXV02.0VEC    | LEV2 LEV            | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531139         | AUTOMATIC        |
| 939 | 2010       | Ford | Focus  | 2                    | AFMXV02.0VDX    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531153         | MANUAL           |
| 940 | 2010       | Ford | Focus  | 2                    | AFMXV02.0VEC    | LEV2 LEV            | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531153         | MANUAL           |
| 941 | 2010       | Ford | Fusion | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531266         | ALL              |
| 942 | 2010       | Ford | Fusion | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531889         | ALL              |
| 943 | 2010       | Ford | Fusion | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 944 | 2010       | Ford | Fusion | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 945 | 2010       | Ford | Fusion | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 946 | 2010       | Ford | Fusion | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571999         | ALL              |
| 947 | 2011       | Ford | Escape | 3                    | BFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 948 | 2011       | Ford | Escape | 3                    | BFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 949 | 2011       | Ford | Escape | 3                    | BFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 950 | 2011       | Ford | Fiesta | 1.6                  | BFMXV01.6VDB    | LEV2 ULEV           | PC           | D            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 951 | 2011       | Ford | Fusion | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531266         | ALL              |
| 952 | 2011       | Ford | Fusion | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531889         | ALL              |
| 953 | 2011       | Ford | Fusion | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 954 | 2011       | Ford | Fusion | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 955 | 2011       | Ford | Fusion | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 956 | 2011       | Ford | Fusion | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571999         | ALL              |
| 957 | 2012       | Ford | Escape | 3                    | CFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 958 | 2012       | Ford | Escape | 3                    | CFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 959 | 2012       | Ford | Escape | 3                    | CFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 960 | 2012       | Ford | Fiesta | 1.6                  | CFMXV01.6VDB    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 961 | 2012       | Ford | Focus  | 2                    | CFMXV02.0VD9    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 962 | 2012       | Ford | Focus  | 2                    | CFMXV02.0VD2    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 963 | 2012       | Ford | Fusion | 3                    | CFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531266         | ALL              |
| 964 | 2012       | Ford | Fusion | 3                    | CFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531889         | ALL              |
| 965 | 2012       | Ford | Fusion | 3                    | CFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 966 | 2012       | Ford | Fusion | 3                    | CFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |      |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 967                                              | 2012       | Ford | Fusion | 3                    | CFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 968                                              | 2012       | Ford | Fusion | 3                    | CFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571999         | ALL              |
| 969                                              | 2013       | Ford | C-Max  | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531187         | ALL              |
| 970                                              | 2013       | Ford | C-Max  | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 971                                              | 2013       | Ford | C-Max  | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 972                                              | 2013       | Ford | C-Max  | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 973                                              | 2013       | Ford | C-Max  | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571996         | ALL              |
| 974                                              | 2013       | Ford | Fiesta | 1.6                  | DFMXV01.6VDB    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 975                                              | 2013       | Ford | Flex   | 3.5                  | DFMXV03.7VE8    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | FL             | DIRECT FIT          | 5531218         | ALL              |
| 976                                              | 2013       | Ford | Flex   | 3.5                  | DFMXV03.7VE8    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | FR             | DIRECT FIT          | 5531220         | ALL              |
| 977                                              | 2013       | Ford | Focus  | 2                    | DFMXV02.0VER    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 978                                              | 2013       | Ford | Focus  | 2                    | DFMXV02.0VD2    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 979                                              | 2013       | Ford | Fusion | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531165         | ALL              |
| 980                                              | 2013       | Ford | Fusion | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 981                                              | 2013       | Ford | Fusion | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 982                                              | 2013       | Ford | Fusion | 2                    | DFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571511         | ALL              |
| 983                                              | 2014       | Ford | C-Max  | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531987         | ALL              |
| 984                                              | 2014       | Ford | C-Max  | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 985                                              | 2014       | Ford | C-Max  | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 986                                              | 2014       | Ford | C-Max  | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 987                                              | 2014       | Ford | C-Max  | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571996         | ALL              |
| 988                                              | 2014       | Ford | Fiesta | 1.6                  | EFMXV01.6VDC    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 989                                              | 2014       | Ford | Fiesta | 1.6                  | EFMXV01.6VDD    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 990                                              | 2014       | Ford | Flex   | 3.5                  | EFMXV03.7VE8    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | FL             | DIRECT FIT          | 5531218         | ALL              |
| 991                                              | 2014       | Ford | Flex   | 3.5                  | EFMXV03.7VE8    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | FR             | DIRECT FIT          | 5531220         | ALL              |
| 992                                              | 2014       | Ford | Focus  | 2                    | EFMXV02.0VER    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 993                                              | 2014       | Ford | Focus  | 2                    | EFMXV02.0VD2    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 994                                              | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531165         | ALL              |
| 995                                              | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531165         | ALL              |
| 996                                              | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 997                                              | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 998                                              | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 999                                              | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1000                                             | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571511         | ALL              |
| 1001                                             | 2014       | Ford | Fusion | 2                    | EFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571511         | ALL              |
| 1002                                             | 2015       | Ford | C-Max  | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531186         | ALL              |
| 1003                                             | 2015       | Ford | C-Max  | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1004                                             | 2015       | Ford | C-Max  | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1005                                             | 2015       | Ford | C-Max  | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1006                                             | 2015       | Ford | C-Max  | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571996         | ALL              |
| 1007                                             | 2015       | Ford | Fiesta | 1.6                  | FFMXV01.6VDC    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 1008                                             | 2015       | Ford | Fiesta | 1.6                  | FFMXV01.6VDD    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |

| Appendix D-193-175                               |            |       |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1009                                             | 2015       | Ford  | Flex   | 3.5                  | FFMXV03.7VE8    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | FL             | DIRECT FIT          | 5531218         | ALL              |
| 1010                                             | 2015       | Ford  | Flex   | 3.5                  | FFMXV03.7VE8    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 2                   | FR             | DIRECT FIT          | 5531220         | ALL              |
| 1011                                             | 2015       | Ford  | Focus  | 2                    | FFMXV02.0VD2    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 1012                                             | 2015       | Ford  | Focus  | 2                    | FFMXV02.0VER    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531253         | ALL              |
| 1013                                             | 2015       | Ford  | Fusion | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531165         | ALL              |
| 1014                                             | 2015       | Ford  | Fusion | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1015                                             | 2015       | Ford  | Fusion | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1016                                             | 2015       | Ford  | Fusion | 2                    | FFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571511         | ALL              |
| 1017                                             | 2016       | Ford  | C-Max  | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531186         | ALL              |
| 1018                                             | 2016       | Ford  | C-Max  | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1019                                             | 2016       | Ford  | C-Max  | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1020                                             | 2016       | Ford  | C-Max  | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1021                                             | 2016       | Ford  | C-Max  | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571996         | ALL              |
| 1022                                             | 2016       | Ford  | Fiesta | 1.6                  | GFMXV01.6VDC    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 1023                                             | 2016       | Ford  | Fiesta | 1.6                  | GFMXV01.6VDD    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 1024                                             | 2016       | Ford  | Fusion | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531165         | ALL              |
| 1025                                             | 2016       | Ford  | Fusion | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1026                                             | 2016       | Ford  | Fusion | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1027                                             | 2016       | Ford  | Fusion | 2                    | GFMXV02.0VZN    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571511         | ALL              |
| 1028                                             | 2017       | Ford  | Fiesta | 1.6                  | HFMXV01.6VDC    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 1029                                             | 2017       | Ford  | Fiesta | 1.6                  | HFMXV01.6VDD    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531552         | ALL              |
| 1030                                             | 2017       | Ford  | Focus  | 2                    | HFMXV02.0VZ2    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531153         | ALL              |
| 1031                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1032                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1033                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1034                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1035                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1036                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1037                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1038                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1039                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1040                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1041                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1042                                             | 2003       | Honda | Accord | 3                    | 3HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1043                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1044                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1045                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1046                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1047                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1048                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1049                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1050                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |       |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1051                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1052                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1053                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0FBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1054                                             | 2004       | Honda | Accord | 3                    | 4HNXV03.0HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1055                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.0TBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1056                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1057                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.0TBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1058                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1059                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.0TBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1060                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1061                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1062                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.0TBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1063                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.0TBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1064                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1065                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.24B4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1066                                             | 2005       | Honda | Accord | 3                    | 5HNXV03.0TBP    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1067                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.0HKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1068                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1069                                             | 2006       | Honda | Accord | 3                    | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1070                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.0HKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1071                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1072                                             | 2006       | Honda | Accord | 3                    | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1073                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.0HKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1074                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1075                                             | 2006       | Honda | Accord | 3                    | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1076                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1077                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.0HKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1078                                             | 2006       | Honda | Accord | 3                    | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1079                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.0HKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1080                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1081                                             | 2006       | Honda | Accord | 3                    | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1082                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1083                                             | 2006       | Honda | Accord | 3                    | 6HNXV03.0HKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1084                                             | 2006       | Honda | Accord | 3                    | 6GDXV03.2NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1085                                             | 2006       | Honda | Civic  | 1.8                  | 6GDXV01.8JKR    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1086                                             | 2006       | Honda | Civic  | 1.8                  | 6HNXV01.8JKR    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1087                                             | 2007       | Honda | Accord | 3                    | 7HNXV03.0RKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1088                                             | 2007       | Honda | Accord | 3                    | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531333         | ALL              |
| 1089                                             | 2007       | Honda | Accord | 3                    | 7HNXV03.0RKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1090                                             | 2007       | Honda | Accord | 3                    | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531336         | ALL              |
| 1091                                             | 2007       | Honda | Accord | 3                    | 7HNXV03.0RKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1092                                             | 2007       | Honda | Accord | 3                    | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |       |                  |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |                  |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model            | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1093                                             | 2007       | Honda | Accord           | 3                    | 7HNXV03.0RKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1094                                             | 2007       | Honda | Accord           | 3                    | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1095                                             | 2007       | Honda | Accord           | 3                    | 7HNXV03.0RKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1096                                             | 2007       | Honda | Accord           | 3                    | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1097                                             | 2007       | Honda | Accord           | 3                    | 7HNXV03.0RKC    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1098                                             | 2007       | Honda | Accord           | 3                    | 7HNXV03.5NKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571683         | ALL              |
| 1099                                             | 2007       | Honda | Civic            | 1.8                  | 7HNXV01.8MKR    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1100                                             | 2008       | Honda | Accord           | 2.4                  | 8HNXV02.4TKR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1101                                             | 2008       | Honda | Accord           | 2.4                  | 8HNXV02.4TKR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 1102                                             | 2008       | Honda | Accord           | 2.4                  | 8HNXV02.4TKR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1103                                             | 2008       | Honda | Accord           | 2.4                  | 8HNXV02.4TKR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1104                                             | 2008       | Honda | Accord           | 3.5                  | 8HNXV03.5VKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1105                                             | 2008       | Honda | Accord           | 3.5                  | 8HNXV03.5VKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1106                                             | 2008       | Honda | Accord           | 3.5                  | 8HNXV03.5VKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1107                                             | 2008       | Honda | Accord           | 3.5                  | 8HNXV03.5VKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1108                                             | 2008       | Honda | Accord           | 3.5                  | 8HNXV03.5VKR    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1109                                             | 2008       | Honda | Civic            | 1.8                  | 8HNXV01.8LKR    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1110                                             | 2009       | Honda | Accord           | 2.4                  | 9HNXV02.4YB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1111                                             | 2009       | Honda | Accord           | 2.4                  | 9HNXV02.4YB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 1112                                             | 2009       | Honda | Accord           | 2.4                  | 9HNXV02.4YB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1113                                             | 2009       | Honda | Accord           | 2.4                  | 9HNXV02.4YB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1114                                             | 2009       | Honda | Accord           | 3.5                  | 9HNXV03.5MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1115                                             | 2009       | Honda | Accord           | 3.5                  | 9HNXV03.5MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1116                                             | 2009       | Honda | Accord           | 3.5                  | 9HNXV03.5MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1117                                             | 2009       | Honda | Accord           | 3.5                  | 9HNXV03.5MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1118                                             | 2009       | Honda | Accord           | 3.5                  | 9HNXV03.5MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1119                                             | 2009       | Honda | Civic            | 1.8                  | 9HNXV01.8XB9    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1120                                             | 2009       | Honda | Fit              | 1.5                  | 9HNXV01.53B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531680         | ALL              |
| 1121                                             | 2009       | Honda | Fit              | 1.5                  | 9HNXV01.53B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1122                                             | 2009       | Honda | Fit              | 1.5                  | 9HNXV01.53B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1123                                             | 2009       | Honda | Fit              | 1.5                  | 9HNXV01.53B9    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571681         | ALL              |
| 1124                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | AWD              |
| 1125                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | FWD              |
| 1126                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | FWD              |
| 1127                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | AWD              |
| 1128                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1129                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1130                                             | 2010       | Honda | Accord Crosstour | 3.5                  | AHNXV03.5NB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1131                                             | 2010       | Honda | Accord           | 2.4                  | AHNXV02.4MB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1132                                             | 2010       | Honda | Accord           | 2.4                  | AHNXV02.4MB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 1133                                             | 2010       | Honda | Accord           | 2.4                  | AHNXV02.4MB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1134                                             | 2010       | Honda | Accord           | 2.4                  | AHNXV02.4MB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |       |                  |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |                  |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model            | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1135                                             | 2010       | Honda | Accord           | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1136                                             | 2010       | Honda | Accord           | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1137                                             | 2010       | Honda | Accord           | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1138                                             | 2010       | Honda | Accord           | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1139                                             | 2010       | Honda | Accord           | 3.5                  | AHNXV03.5QB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1140                                             | 2010       | Honda | Civic            | 1.8                  | AHNXV01.8GB9    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1141                                             | 2010       | Honda | Civic            | 1.8                  | AHNXV01.8GB9    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1142                                             | 2010       | Honda | CR-V             | 2.4                  | AHNXT02.43J3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531781         | ALL              |
| 1143                                             | 2010       | Honda | CR-V             | 2.4                  | AHNXT02.43J3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1144                                             | 2010       | Honda | CR-V             | 2.4                  | AHNXT02.43J3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1145                                             | 2010       | Honda | CR-V             | 2.4                  | AHNXT02.43J3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571783         | ALL              |
| 1146                                             | 2010       | Honda | Fit              | 1.5                  | AHNXV01.5FB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531680         | ALL              |
| 1147                                             | 2010       | Honda | Fit              | 1.5                  | AHNXV01.5FB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1148                                             | 2010       | Honda | Fit              | 1.5                  | AHNXV01.5FB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1149                                             | 2010       | Honda | Fit              | 1.5                  | AHNXV01.5FB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571681         | ALL              |
| 1150                                             | 2010       | Honda | Insight          | 1.3                  | AHNXV01.3DF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531030         | ALL              |
| 1151                                             | 2010       | Honda | Insight          | 1.3                  | AHNXV01.3DF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1152                                             | 2010       | Honda | Insight          | 1.3                  | AHNXV01.3DF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1153                                             | 2010       | Honda | Insight          | 1.3                  | AHNXV01.3DF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571028         | ALL              |
| 1154                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | AWD              |
| 1155                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | FWD              |
| 1156                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | FWD              |
| 1157                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | AWD              |
| 1158                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1159                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1160                                             | 2011       | Honda | Accord Crosstour | 3.5                  | BHNXV03.5JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1161                                             | 2011       | Honda | Accord           | 2.4                  | BHNXV02.4CB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1162                                             | 2011       | Honda | Accord           | 2.4                  | BHNXV02.4CB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 1163                                             | 2011       | Honda | Accord           | 2.4                  | BHNXV02.4CB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1164                                             | 2011       | Honda | Accord           | 2.4                  | BHNXV02.4CB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1165                                             | 2011       | Honda | Accord           | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1166                                             | 2011       | Honda | Accord           | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1167                                             | 2011       | Honda | Accord           | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1168                                             | 2011       | Honda | Accord           | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1169                                             | 2011       | Honda | Accord           | 3.5                  | BHNXV03.5EB9    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1170                                             | 2011       | Honda | Civic            | 1.8                  | BHNXV01.8HB9    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1171                                             | 2011       | Honda | CR-V             | 2.4                  | BHNXT02.4VJ3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531781         | ALL              |
| 1172                                             | 2011       | Honda | CR-V             | 2.4                  | BHNXT02.4VJ3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1173                                             | 2011       | Honda | CR-V             | 2.4                  | BHNXT02.4VJ3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1174                                             | 2011       | Honda | CR-V             | 2.4                  | BHNXT02.4VJ3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571783         | ALL              |
| 1175                                             | 2011       | Honda | Fit              | 1.5                  | BHNXV01.5KB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531680         | ALL              |
| 1176                                             | 2011       | Honda | Fit              | 1.5                  | BHNXV01.5KB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model     | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1177                                             | 2011       | Honda | Fit       | 1.5                  | BHNXV01.5KB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1178                                             | 2011       | Honda | Fit       | 1.5                  | BHNXV01.5KB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571681         | ALL              |
| 1179                                             | 2011       | Honda | Insight   | 1.3                  | BHNXV01.3YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531030         | ALL              |
| 1180                                             | 2011       | Honda | Insight   | 1.3                  | BHNXV01.3YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1181                                             | 2011       | Honda | Insight   | 1.3                  | BHNXV01.3YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1182                                             | 2011       | Honda | Insight   | 1.3                  | BHNXV01.3YF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571028         | ALL              |
| 1183                                             | 2012       | Honda | Accord    | 2.4                  | CHNXV02.4CB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1184                                             | 2012       | Honda | Accord    | 2.4                  | CHNXV02.4CB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571896         | ALL              |
| 1185                                             | 2012       | Honda | Accord    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1186                                             | 2012       | Honda | Accord    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1187                                             | 2012       | Honda | Accord    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1188                                             | 2012       | Honda | Accord    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1189                                             | 2012       | Honda | Accord    | 3.5                  | CHNXV03.5EB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1190                                             | 2012       | Honda | Civic     | 1.5                  | CHNXV01.53FB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531036         | ALL              |
| 1191                                             | 2012       | Honda | Civic     | 1.5                  | CHNXV01.53FB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1192                                             | 2012       | Honda | Civic     | 1.5                  | CHNXV01.53FB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1193                                             | 2012       | Honda | Civic     | 1.5                  | CHNXV01.53FB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1194                                             | 2012       | Honda | Civic     | 1.5                  | CHNXV01.53FB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571035         | ALL              |
| 1195                                             | 2012       | Honda | Civic     | 1.5                  | CHNXV01.53FB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571749         | ALL              |
| 1196                                             | 2012       | Honda | Civic     | 1.8                  | CHNXV01.8CB2    | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1197                                             | 2012       | Honda | Crosstour | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1198                                             | 2012       | Honda | Crosstour | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1199                                             | 2012       | Honda | Crosstour | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1200                                             | 2012       | Honda | Crosstour | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571033         | ALL              |
| 1201                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | FWD              |
| 1202                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | AWD              |
| 1203                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | AWD              |
| 1204                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | FWD              |
| 1205                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1206                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1207                                             | 2012       | Honda | Crosstour | 3.5                  | CHNXV03.5WB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1208                                             | 2012       | Honda | CR-V      | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531020         | ALL              |
| 1209                                             | 2012       | Honda | CR-V      | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1210                                             | 2012       | Honda | CR-V      | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1211                                             | 2012       | Honda | CR-V      | 2.4                  | CHNXJ02.4XB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571019         | ALL              |
| 1212                                             | 2012       | Honda | Fit       | 1.5                  | CHNXV01.5HB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531680         | ALL              |
| 1213                                             | 2012       | Honda | Fit       | 1.5                  | CHNXV01.5HB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1214                                             | 2012       | Honda | Fit       | 1.5                  | CHNXV01.5HB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1215                                             | 2012       | Honda | Fit       | 1.5                  | CHNXV01.5HB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571681         | ALL              |
| 1216                                             | 2012       | Honda | Insight   | 1.3                  | CHNXV01.34F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531030         | ALL              |
| 1217                                             | 2012       | Honda | Insight   | 1.3                  | CHNXV01.34F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1218                                             | 2012       | Honda | Insight   | 1.3                  | CHNXV01.34F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model     | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1219                                             | 2012       | Honda | Insight   | 1.3                  | CHNXV01.34F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571028         | ALL              |
| 1220                                             | 2012       | Honda | Pilot     | 3.5                  | CHNXV03.7JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1221                                             | 2012       | Honda | Pilot     | 3.5                  | CHNXV03.7JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1222                                             | 2012       | Honda | Pilot     | 3.5                  | CHNXV03.7JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1223                                             | 2012       | Honda | Pilot     | 3.5                  | CHNXV03.7JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1224                                             | 2012       | Honda | Pilot     | 3.5                  | CHNXV03.7JB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1225                                             | 2013       | Honda | Accord    | 2.4                  | DHNXXV02.4FB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 1226                                             | 2013       | Honda | Accord    | 2.4                  | DHNXXV02.4FB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1227                                             | 2013       | Honda | Accord    | 2.4                  | DHNXXV02.4FB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1228                                             | 2013       | Honda | Accord    | 2.4                  | DHNXXV02.4FB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1229                                             | 2013       | Honda | Accord    | 2.4                  | DHNXXV02.4FB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571023         | ALL              |
| 1230                                             | 2013       | Honda | Accord    | 3.5                  | DHNXXV03.5GB4   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1231                                             | 2013       | Honda | Accord    | 3.5                  | DHNXXV03.5GB4   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1232                                             | 2013       | Honda | Accord    | 3.5                  | DHNXXV03.5GB4   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1233                                             | 2013       | Honda | Accord    | 3.5                  | DHNXXV03.5GB4   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1234                                             | 2013       | Honda | Accord    | 3.5                  | DHNXXV03.5GB4   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571027         | ALL              |
| 1235                                             | 2013       | Honda | Civic     | 1.5                  | DHNXXV01.5WFB   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531036         | ALL              |
| 1236                                             | 2013       | Honda | Civic     | 1.5                  | DHNXXV01.5WFB   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1237                                             | 2013       | Honda | Civic     | 1.5                  | DHNXXV01.5WFB   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1238                                             | 2013       | Honda | Civic     | 1.5                  | DHNXXV01.5WFB   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1239                                             | 2013       | Honda | Civic     | 1.5                  | DHNXXV01.5WFB   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571035         | ALL              |
| 1240                                             | 2013       | Honda | Civic     | 1.5                  | DHNXXV01.5WFB   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571749         | ALL              |
| 1241                                             | 2013       | Honda | Civic     | 1.8                  | DHNXXV01.8CB1   | LEV2 ULEV           | PC           | S            | TWC            | 1               | 1                   | F              | DIRECT FIT          | 5531343         | ALL              |
| 1242                                             | 2013       | Honda | Crosstour | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1243                                             | 2013       | Honda | Crosstour | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1244                                             | 2013       | Honda | Crosstour | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1245                                             | 2013       | Honda | Crosstour | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571033         | ALL              |
| 1246                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | FWD              |
| 1247                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | AWD              |
| 1248                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | FWD              |
| 1249                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | AWD              |
| 1250                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1251                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1252                                             | 2013       | Honda | Crosstour | 3.5                  | DHNXXV03.7KB3   | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1253                                             | 2013       | Honda | CR-V      | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531020         | ALL              |
| 1254                                             | 2013       | Honda | CR-V      | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1255                                             | 2013       | Honda | CR-V      | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1256                                             | 2013       | Honda | CR-V      | 2.4                  | DHNXXJ02.4EB3   | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571019         | ALL              |
| 1257                                             | 2013       | Honda | Fit       | 1.5                  | DHNXXV01.5JB2   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531680         | ALL              |
| 1258                                             | 2013       | Honda | Fit       | 1.5                  | DHNXXV01.5JB2   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1259                                             | 2013       | Honda | Fit       | 1.5                  | DHNXXV01.5JB2   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1260                                             | 2013       | Honda | Fit       | 1.5                  | DHNXXV01.5JB2   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571681         | ALL              |

| Appendix D-193-175                               |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model     | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1261                                             | 2013       | Honda | Insight   | 1.3                  | DHNXV01.3XF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531030         | ALL              |
| 1262                                             | 2013       | Honda | Insight   | 1.3                  | DHNXV01.3XF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1263                                             | 2013       | Honda | Insight   | 1.3                  | DHNXV01.3XF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1264                                             | 2013       | Honda | Insight   | 1.3                  | DHNXV01.3XF2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571028         | ALL              |
| 1265                                             | 2013       | Honda | Pilot     | 3.5                  | DHNXV03.7KB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1266                                             | 2013       | Honda | Pilot     | 3.5                  | DHNXV03.7KB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1267                                             | 2013       | Honda | Pilot     | 3.5                  | DHNXV03.7KB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1268                                             | 2013       | Honda | Pilot     | 3.5                  | DHNXV03.7KB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1269                                             | 2013       | Honda | Pilot     | 3.5                  | DHNXV03.7KB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1270                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 1271                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | Manual           |
| 1272                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | Automatic        |
| 1273                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | Automatic        |
| 1274                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | Manual           |
| 1275                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | Automatic        |
| 1276                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571476         | Manual           |
| 1277                                             | 2014       | Honda | Accord    | 2.4                  | EHNXV02.44B3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571023         | Automatic        |
| 1278                                             | 2014       | Honda | Accord    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1279                                             | 2014       | Honda | Accord    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1280                                             | 2014       | Honda | Accord    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1281                                             | 2014       | Honda | Accord    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1282                                             | 2014       | Honda | Accord    | 3.5                  | EHNXV03.5HB4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571027         | ALL              |
| 1283                                             | 2014       | Honda | Civic     | 1.5                  | EHNXV01.5YFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531036         | ALL              |
| 1284                                             | 2014       | Honda | Civic     | 1.5                  | EHNXV01.5YFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1285                                             | 2014       | Honda | Civic     | 1.5                  | EHNXV01.5YFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1286                                             | 2014       | Honda | Civic     | 1.5                  | EHNXV01.5YFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1287                                             | 2014       | Honda | Civic     | 1.5                  | EHNXV01.5YFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571035         | ALL              |
| 1288                                             | 2014       | Honda | Civic     | 1.5                  | EHNXV01.5YFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571749         | ALL              |
| 1289                                             | 2014       | Honda | Civic     | 1.8                  | EHNXV01.8FB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531022         | ALL              |
| 1290                                             | 2014       | Honda | Civic     | 1.8                  | EHNXV01.8FB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1291                                             | 2014       | Honda | Civic     | 1.8                  | EHNXV01.8FB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1292                                             | 2014       | Honda | Civic     | 1.8                  | EHNXV01.8FB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1293                                             | 2014       | Honda | Civic     | 1.8                  | EHNXV01.8FB2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571452         | ALL              |
| 1294                                             | 2014       | Honda | Crosstour | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1295                                             | 2014       | Honda | Crosstour | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1296                                             | 2014       | Honda | Crosstour | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1297                                             | 2014       | Honda | Crosstour | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571033         | ALL              |
| 1298                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | AWD              |
| 1299                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | FWD              |
| 1300                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | FWD              |
| 1301                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | AWD              |
| 1302                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model     | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1303                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1304                                             | 2014       | Honda | Crosstour | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1305                                             | 2014       | Honda | CR-V      | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531020         | ALL              |
| 1306                                             | 2014       | Honda | CR-V      | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1307                                             | 2014       | Honda | CR-V      | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1308                                             | 2014       | Honda | CR-V      | 2.4                  | EHNXJ02.4GB3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571019         | ALL              |
| 1309                                             | 2014       | Honda | Insight   | 1.3                  | EHNXV01.31F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531030         | ALL              |
| 1310                                             | 2014       | Honda | Insight   | 1.3                  | EHNXV01.31F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1311                                             | 2014       | Honda | Insight   | 1.3                  | EHNXV01.31F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1312                                             | 2014       | Honda | Insight   | 1.3                  | EHNXV01.31F2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571028         | ALL              |
| 1313                                             | 2014       | Honda | Pilot     | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1314                                             | 2014       | Honda | Pilot     | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1315                                             | 2014       | Honda | Pilot     | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1316                                             | 2014       | Honda | Pilot     | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1317                                             | 2014       | Honda | Pilot     | 3.5                  | EHNXV03.7MB3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1318                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 1319                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | Manual           |
| 1320                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | Automatic        |
| 1321                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | Automatic        |
| 1322                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | Manual           |
| 1323                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | Automatic        |
| 1324                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571476         | Manual           |
| 1325                                             | 2015       | Honda | Accord    | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571023         | Automatic        |
| 1326                                             | 2015       | Honda | Accord    | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1327                                             | 2015       | Honda | Accord    | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1328                                             | 2015       | Honda | Accord    | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1329                                             | 2015       | Honda | Accord    | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1330                                             | 2015       | Honda | Accord    | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571027         | ALL              |
| 1331                                             | 2015       | Honda | Civic     | 1.5                  | FHNXV01.5PFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531036         | ALL              |
| 1332                                             | 2015       | Honda | Civic     | 1.5                  | FHNXV01.5PFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1333                                             | 2015       | Honda | Civic     | 1.5                  | FHNXV01.5PFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1334                                             | 2015       | Honda | Civic     | 1.5                  | FHNXV01.5PFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1335                                             | 2015       | Honda | Civic     | 1.5                  | FHNXV01.5PFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571035         | ALL              |
| 1336                                             | 2015       | Honda | Civic     | 1.5                  | FHNXV01.5PFB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571749         | ALL              |
| 1337                                             | 2015       | Honda | Civic     | 1.8                  | FHNXV01.8FA2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531022         | ALL              |
| 1338                                             | 2015       | Honda | Civic     | 1.8                  | FHNXV01.8FA2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1339                                             | 2015       | Honda | Civic     | 1.8                  | FHNXV01.8FA2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1340                                             | 2015       | Honda | Civic     | 1.8                  | FHNXV01.8FA2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1341                                             | 2015       | Honda | Civic     | 1.8                  | FHNXV01.8FA2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571452         | ALL              |
| 1342                                             | 2015       | Honda | Crosstour | 2.4                  | FHNXV02.4DA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531441         | ALL              |
| 1343                                             | 2015       | Honda | Crosstour | 2.4                  | FHNXV02.4DA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1344                                             | 2015       | Honda | Crosstour | 2.4                  | FHNXV02.4DA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |         |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|-----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |           |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model     | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1345                                             | 2015       | Honda   | Crosstour | 2.4                  | FHNXV02.4DA3    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571033         | ALL              |
| 1346                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | FWD              |
| 1347                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | AWD              |
| 1348                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | AWD              |
| 1349                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | FWD              |
| 1350                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1351                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1352                                             | 2015       | Honda   | Crosstour | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1353                                             | 2015       | Honda   | CR-V      | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 1354                                             | 2015       | Honda   | CR-V      | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1355                                             | 2015       | Honda   | CR-V      | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1356                                             | 2015       | Honda   | CR-V      | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1357                                             | 2015       | Honda   | CR-V      | 2.4                  | FHNXJ02.42A3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571293         | ALL              |
| 1358                                             | 2015       | Honda   | Pilot     | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531893         | ALL              |
| 1359                                             | 2015       | Honda   | Pilot     | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531898         | ALL              |
| 1360                                             | 2015       | Honda   | Pilot     | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1361                                             | 2015       | Honda   | Pilot     | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1362                                             | 2015       | Honda   | Pilot     | 3.5                  | FHNXV03.5GA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571184         | ALL              |
| 1363                                             | 2016       | Honda   | CR-V      | 2.4                  | GHNXJ02.41A3    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531024         | ALL              |
| 1364                                             | 2016       | Honda   | Pilot     | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531893         | ALL              |
| 1365                                             | 2016       | Honda   | Pilot     | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531898         | ALL              |
| 1366                                             | 2016       | Honda   | Pilot     | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1367                                             | 2016       | Honda   | Pilot     | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1368                                             | 2016       | Honda   | Pilot     | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1369                                             | 2016       | Honda   | Pilot     | 3.5                  | GHNXV03.5VA3    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571756         | ALL              |
| 1370                                             | 2004       | Hyundai | Elantra   | 2                    | 4HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1371                                             | 2004       | Hyundai | Elantra   | 2                    | 4HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1372                                             | 2004       | Hyundai | Elantra   | 2                    | 4HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1373                                             | 2004       | Hyundai | Elantra   | 2                    | 4HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1374                                             | 2004       | Hyundai | Elantra   | 2                    | 4HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571875         | ALL              |
| 1375                                             | 2005       | Hyundai | Elantra   | 2                    | 5HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1376                                             | 2005       | Hyundai | Elantra   | 2                    | 5HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1377                                             | 2005       | Hyundai | Elantra   | 2                    | 5HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1378                                             | 2005       | Hyundai | Elantra   | 2                    | 5HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1379                                             | 2005       | Hyundai | Elantra   | 2                    | 5HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571875         | ALL              |
| 1380                                             | 2006       | Hyundai | Accent    | 1.6                  | 6HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1381                                             | 2006       | Hyundai | Accent    | 1.6                  | 6HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1382                                             | 2006       | Hyundai | Accent    | 1.6                  | 6HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1383                                             | 2006       | Hyundai | Accent    | 1.6                  | 6HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1384                                             | 2006       | Hyundai | Azera     | 3.8                  | 6HYXV03.8TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571811         | ALL              |
| 1385                                             | 2006       | Hyundai | Elantra   | 2                    | 6HYXV02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1386                                             | 2006       | Hyundai | Elantra   | 2                    | 6HYXT02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1387                                             | 2006       | Hyundai | Elantra | 2                    | 6HYXT02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1388                                             | 2006       | Hyundai | Elantra | 2                    | 6HYXT02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1389                                             | 2006       | Hyundai | Elantra | 2                    | 6HYXT02.0XW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571875         | ALL              |
| 1390                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXV02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1391                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1392                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1393                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1394                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1395                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXV02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1396                                             | 2006       | Hyundai | Sonata  | 2.4                  | 6HYXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1397                                             | 2006       | Hyundai | Sonata  | 3.3                  | 6HYXT03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571811         | ALL              |
| 1398                                             | 2007       | Hyundai | Accent  | 1.6                  | 7HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1399                                             | 2007       | Hyundai | Accent  | 1.6                  | 7HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1400                                             | 2007       | Hyundai | Accent  | 1.6                  | 7HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1401                                             | 2007       | Hyundai | Accent  | 1.6                  | 7HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1402                                             | 2007       | Hyundai | Elantra | 2                    | 7HYXV02.0HW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1403                                             | 2007       | Hyundai | Elantra | 2                    | 7HYXV02.0HW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1404                                             | 2007       | Hyundai | Elantra | 2                    | 7HYXV02.0HW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1405                                             | 2007       | Hyundai | Elantra | 2                    | 7HYXV02.0HW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1406                                             | 2007       | Hyundai | Sonata  | 2.4                  | 7HYXV02.4SW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1407                                             | 2007       | Hyundai | Sonata  | 2.4                  | 7HYXV02.4SW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1408                                             | 2007       | Hyundai | Sonata  | 3.3                  | 7HYXV03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571811         | ALL              |
| 1409                                             | 2007       | Hyundai | Tiburon | 2                    | 7HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1410                                             | 2007       | Hyundai | Tiburon | 2                    | 7HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1411                                             | 2007       | Hyundai | Tiburon | 2                    | 7HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1412                                             | 2007       | Hyundai | Tiburon | 2                    | 7HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1413                                             | 2007       | Hyundai | Tiburon | 2                    | 7HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571844         | ALL              |
| 1414                                             | 2007       | Hyundai | Tiburon | 2.7                  | 7HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 5531950         | ALL              |
| 1415                                             | 2007       | Hyundai | Tiburon | 2.7                  | 7HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 5531951         | ALL              |
| 1416                                             | 2007       | Hyundai | Tiburon | 2.7                  | 7HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1417                                             | 2007       | Hyundai | Tiburon | 2.7                  | 7HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1418                                             | 2007       | Hyundai | Tiburon | 2.7                  | 7HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571534         | ALL              |
| 1419                                             | 2007       | Hyundai | Tucson  | 2                    | 7HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1420                                             | 2007       | Hyundai | Tucson  | 2                    | 7HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571483         | ALL              |
| 1421                                             | 2008       | Hyundai | Accent  | 1.6                  | 8HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1422                                             | 2008       | Hyundai | Accent  | 1.6                  | 8HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1423                                             | 2008       | Hyundai | Accent  | 1.6                  | 8HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1424                                             | 2008       | Hyundai | Accent  | 1.6                  | 8HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1425                                             | 2008       | Hyundai | Elantra | 2                    | 8HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1426                                             | 2008       | Hyundai | Elantra | 2                    | 8HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1427                                             | 2008       | Hyundai | Elantra | 2                    | 8HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1428                                             | 2008       | Hyundai | Elantra | 2                    | 8HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No.  | Model Year | Make    | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|------|------------|---------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 1429 | 2008       | Hyundai | Sonata  | 2.4                  | 8HYXV02.4SW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1430 | 2008       | Hyundai | Sonata  | 2.4                  | 8HYXV02.4SW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1431 | 2008       | Hyundai | Sonata  | 3.3                  | 8HYXV03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 5531855         | ALL              |
| 1432 | 2008       | Hyundai | Sonata  | 3.3                  | 8HYXV03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 5531685         | ALL              |
| 1433 | 2008       | Hyundai | Sonata  | 3.3                  | 8HYXV03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1434 | 2008       | Hyundai | Sonata  | 3.3                  | 8HYXV03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1435 | 2008       | Hyundai | Sonata  | 3.3                  | 8HYXV03.3FW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571426         | ALL              |
| 1436 | 2008       | Hyundai | Tiburon | 2                    | 8HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1437 | 2008       | Hyundai | Tiburon | 2                    | 8HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1438 | 2008       | Hyundai | Tiburon | 2                    | 8HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1439 | 2008       | Hyundai | Tiburon | 2                    | 8HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1440 | 2008       | Hyundai | Tiburon | 2                    | 8HYXV02.0GW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571857         | ALL              |
| 1441 | 2008       | Hyundai | Tiburon | 2.7                  | 8HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 5531950         | ALL              |
| 1442 | 2008       | Hyundai | Tiburon | 2.7                  | 8HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 5531951         | ALL              |
| 1443 | 2008       | Hyundai | Tiburon | 2.7                  | 8HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1444 | 2008       | Hyundai | Tiburon | 2.7                  | 8HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1445 | 2008       | Hyundai | Tiburon | 2.7                  | 8HYXV02.7KM5    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571534         | ALL              |
| 1446 | 2008       | Hyundai | Tucson  | 2                    | 8HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1447 | 2008       | Hyundai | Tucson  | 2                    | 8HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571483         | ALL              |
| 1448 | 2009       | Hyundai | Accent  | 1.6                  | 9HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1449 | 2009       | Hyundai | Accent  | 1.6                  | 9HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1450 | 2009       | Hyundai | Accent  | 1.6                  | 9HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1451 | 2009       | Hyundai | Accent  | 1.6                  | 9HYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1452 | 2009       | Hyundai | Azera   | 3.3                  | 9HYXV03.3TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 5531855         | ALL              |
| 1453 | 2009       | Hyundai | Azera   | 3.3                  | 9HYXV03.3TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 5531685         | ALL              |
| 1454 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1455 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1456 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1457 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1458 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1459 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1460 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1461 | 2009       | Hyundai | Elantra | 2                    | 9HYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1462 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531899         | ALL              |
| 1463 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531900         | ALL              |
| 1464 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1465 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1466 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1467 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1468 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1469 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1470 | 2009       | Hyundai | Genesis | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |         |               |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |               |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model         | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1471                                             | 2009       | Hyundai | Genesis       | 4.6                  | 9HYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 5571740         | ALL              |
| 1472                                             | 2009       | Hyundai | Sonata        | 3.3                  | 9HYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 5531855         | ALL              |
| 1473                                             | 2009       | Hyundai | Sonata        | 3.3                  | 9HYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 5531685         | ALL              |
| 1474                                             | 2009       | Hyundai | Sonata        | 3.3                  | 9HYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1475                                             | 2009       | Hyundai | Sonata        | 3.3                  | 9HYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1476                                             | 2009       | Hyundai | Sonata        | 3.3                  | 9HYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1477                                             | 2009       | Hyundai | Sonata        | 3.3                  | 9HYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571870         | ALL              |
| 1478                                             | 2009       | Hyundai | Tucson        | 2                    | 9HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1479                                             | 2009       | Hyundai | Tucson        | 2                    | 9HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1480                                             | 2009       | Hyundai | Tucson        | 2                    | 9HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1481                                             | 2009       | Hyundai | Tucson        | 2                    | 9HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1482                                             | 2009       | Hyundai | Tucson        | 2                    | 9HYXT02.0JW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571859         | ALL              |
| 1483                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531321         | ALL              |
| 1484                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531321         | ALL              |
| 1485                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1486                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1487                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571653         | ALL              |
| 1488                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1489                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1490                                             | 2010       | Hyundai | Accent        | 1.6                  | AHYXV01.6MWS    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1491                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1492                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1493                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1494                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1495                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1496                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1497                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1498                                             | 2010       | Hyundai | Elantra       | 2                    | AHYXV02.0HW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1499                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531712         | ALL              |
| 1500                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531713         | ALL              |
| 1501                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1502                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1503                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1504                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1505                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1506                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1507                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1508                                             | 2010       | Hyundai | Genesis Coupe | 3.8                  | AHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571741         | ALL              |
| 1509                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531899         | ALL              |
| 1510                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531900         | ALL              |
| 1511                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1512                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |         |               |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |               |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model         | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1513                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1514                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1515                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1516                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1517                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1518                                             | 2010       | Hyundai | Genesis       | 4.6                  | AHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571740         | ALL              |
| 1519                                             | 2010       | Hyundai | Sonata        | 3.3                  | AHYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 5531855         | ALL              |
| 1520                                             | 2010       | Hyundai | Sonata        | 3.3                  | AHYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 5531685         | ALL              |
| 1521                                             | 2010       | Hyundai | Sonata        | 3.3                  | AHYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1522                                             | 2010       | Hyundai | Sonata        | 3.3                  | AHYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1523                                             | 2010       | Hyundai | Sonata        | 3.3                  | AHYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1524                                             | 2010       | Hyundai | Sonata        | 3.3                  | AHYXV03.3NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571870         | ALL              |
| 1525                                             | 2011       | Hyundai | Accent        | 1.6                  | BHYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531321         | ALL              |
| 1526                                             | 2011       | Hyundai | Accent        | 1.6                  | BHYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1527                                             | 2011       | Hyundai | Accent        | 1.6                  | BHYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1528                                             | 2011       | Hyundai | Accent        | 1.6                  | BHYXV01.6MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571653         | ALL              |
| 1529                                             | 2011       | Hyundai | Elantra       | 2                    | BHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1530                                             | 2011       | Hyundai | Elantra       | 2                    | BHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1531                                             | 2011       | Hyundai | Elantra       | 2                    | BHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1532                                             | 2011       | Hyundai | Elantra       | 2                    | BHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1533                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531899         | ALL              |
| 1534                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531900         | ALL              |
| 1535                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1536                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1537                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1538                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1539                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1540                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1541                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1542                                             | 2011       | Hyundai | Equus         | 4.6                  | BHYXV04.6VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571740         | ALL              |
| 1543                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531712         | ALL              |
| 1544                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531713         | ALL              |
| 1545                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1546                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1547                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1548                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1549                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1550                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1551                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1552                                             | 2011       | Hyundai | Genesis Coupe | 3.8                  | BHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571741         | ALL              |
| 1553                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531899         | ALL              |
| 1554                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531900         | ALL              |

| Appendix D-193-175                               |            |         |               |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |               |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model         | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1555                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1556                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1557                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1558                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1559                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1560                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1561                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1562                                             | 2011       | Hyundai | Genesis       | 4.6                  | BHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571740         | ALL              |
| 1563                                             | 2012       | Hyundai | Accent        | 1.6                  | CHYXV01.6RW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1564                                             | 2012       | Hyundai | Accent        | 1.6                  | CHYXV01.6RW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1565                                             | 2012       | Hyundai | Accent        | 1.6                  | CHYXV01.6RW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1566                                             | 2012       | Hyundai | Accent        | 1.6                  | CHYXV01.6RW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1567                                             | 2012       | Hyundai | Accent        | 1.6                  | CHYXV01.6RW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1568                                             | 2012       | Hyundai | Elantra       | 2                    | CHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1569                                             | 2012       | Hyundai | Elantra       | 2                    | CHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1570                                             | 2012       | Hyundai | Elantra       | 2                    | CHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1571                                             | 2012       | Hyundai | Elantra       | 2                    | CHYXV02.0FW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1572                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1573                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1574                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1575                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1576                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1577                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1578                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1579                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1580                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1581                                             | 2012       | Hyundai | Equus         | 5                    | CHYXV05.0VW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1582                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531712         | ALL              |
| 1583                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531713         | ALL              |
| 1584                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1585                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1586                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1587                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1588                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1589                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1590                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1591                                             | 2012       | Hyundai | Genesis Coupe | 3.8                  | CHYXV03.8KW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571741         | ALL              |
| 1592                                             | 2012       | Hyundai | Genesis       | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531899         | ALL              |
| 1593                                             | 2012       | Hyundai | Genesis       | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531900         | ALL              |
| 1594                                             | 2012       | Hyundai | Genesis       | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1595                                             | 2012       | Hyundai | Genesis       | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1596                                             | 2012       | Hyundai | Genesis       | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |         |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1597                                             | 2012       | Hyundai | Genesis  | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571741         | ALL              |
| 1598                                             | 2012       | Hyundai | Genesis  | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1599                                             | 2012       | Hyundai | Genesis  | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1600                                             | 2012       | Hyundai | Genesis  | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1601                                             | 2012       | Hyundai | Genesis  | 4.6                  | CHYXV04.6GW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571740         | ALL              |
| 1602                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1603                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1604                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1605                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1606                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1607                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1608                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1609                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1610                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1611                                             | 2012       | Hyundai | Genesis  | 5                    | CHYXV05.0BW5    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1612                                             | 2012       | Hyundai | Veloster | 1.6                  | CHYXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1613                                             | 2012       | Hyundai | Veloster | 1.6                  | CHYXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1614                                             | 2012       | Hyundai | Veloster | 1.6                  | CHYXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1615                                             | 2012       | Hyundai | Veloster | 1.6                  | CHYXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1616                                             | 2012       | Hyundai | Veloster | 1.6                  | CHYXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1617                                             | 2013       | Hyundai | Accent   | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1618                                             | 2013       | Hyundai | Accent   | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1619                                             | 2013       | Hyundai | Accent   | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1620                                             | 2013       | Hyundai | Accent   | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1621                                             | 2013       | Hyundai | Accent   | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1622                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1623                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1624                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1625                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1626                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1627                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1628                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1629                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1630                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1631                                             | 2013       | Hyundai | Equus    | 5                    | DHYXV05.01PE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1632                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1633                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1634                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1635                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1636                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1637                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1638                                             | 2013       | Hyundai | Genesis  | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |         |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|----------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model          | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1639                                             | 2013       | Hyundai | Genesis        | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1640                                             | 2013       | Hyundai | Genesis        | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1641                                             | 2013       | Hyundai | Genesis        | 5                    | DHYXV05.01NE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1642                                             | 2013       | Hyundai | Santa Fe Sport | 2.4                  | DHYXV02.41UE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531775         | ALL              |
| 1643                                             | 2013       | Hyundai | Santa Fe Sport | 2.4                  | DHYXV02.41UE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1644                                             | 2013       | Hyundai | Santa Fe Sport | 2.4                  | DHYXV02.41UE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1645                                             | 2013       | Hyundai | Santa Fe Sport | 2.4                  | DHYXV02.41UE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571142         | ALL              |
| 1646                                             | 2013       | Hyundai | Santa Fe       | 3.3                  | DHYXV03.31VE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 1647                                             | 2013       | Hyundai | Santa Fe       | 3.3                  | DHYXV03.31VE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | 2WD              |
| 1648                                             | 2013       | Hyundai | Santa Fe       | 3.3                  | DHYXV03.31VE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531787         | AWD              |
| 1649                                             | 2013       | Hyundai | Santa Fe       | 3.3                  | DHYXV03.31VE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1650                                             | 2013       | Hyundai | Santa Fe       | 3.3                  | DHYXV03.31VE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1651                                             | 2013       | Hyundai | Santa Fe       | 3.3                  | DHYXV03.31VE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571143         | ALL              |
| 1652                                             | 2013       | Hyundai | Veloster       | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1653                                             | 2013       | Hyundai | Veloster       | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1654                                             | 2013       | Hyundai | Veloster       | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1655                                             | 2013       | Hyundai | Veloster       | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1656                                             | 2013       | Hyundai | Veloster       | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1657                                             | 2014       | Hyundai | Accent         | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1658                                             | 2014       | Hyundai | Accent         | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1659                                             | 2014       | Hyundai | Accent         | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1660                                             | 2014       | Hyundai | Accent         | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1661                                             | 2014       | Hyundai | Accent         | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1662                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1663                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1664                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1665                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1666                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1667                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1668                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1669                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1670                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1671                                             | 2014       | Hyundai | Equus          | 5                    | EHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1672                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1673                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1674                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1675                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1676                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1677                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1678                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1679                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1680                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |         |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|----------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model          | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1681                                             | 2014       | Hyundai | Genesis        | 5                    | EHYXV05.01RE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1682                                             | 2014       | Hyundai | Santa Fe Sport | 2.4                  | EHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531775         | ALL              |
| 1683                                             | 2014       | Hyundai | Santa Fe Sport | 2.4                  | EHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1684                                             | 2014       | Hyundai | Santa Fe Sport | 2.4                  | EHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1685                                             | 2014       | Hyundai | Santa Fe Sport | 2.4                  | EHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571142         | ALL              |
| 1686                                             | 2014       | Hyundai | Santa Fe       | 3.3                  | EHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 1687                                             | 2014       | Hyundai | Santa Fe       | 3.3                  | EHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | 2WD              |
| 1688                                             | 2014       | Hyundai | Santa Fe       | 3.3                  | EHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531787         | AWD              |
| 1689                                             | 2014       | Hyundai | Santa Fe       | 3.3                  | EHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1690                                             | 2014       | Hyundai | Santa Fe       | 3.3                  | EHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1691                                             | 2014       | Hyundai | Santa Fe       | 3.3                  | EHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571143         | ALL              |
| 1692                                             | 2014       | Hyundai | Sonata         | 2.4                  | EHYXV02.41JE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531125         | ALL              |
| 1693                                             | 2014       | Hyundai | Sonata         | 2.4                  | EHYXV02.41JE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571820         | ALL              |
| 1694                                             | 2014       | Hyundai | Tucson         | 2.4                  | EHYXT02.41UE    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531590         | ALL              |
| 1695                                             | 2014       | Hyundai | Tucson         | 2.4                  | EHYXT02.41UE    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571815         | ALL              |
| 1696                                             | 2014       | Hyundai | Veloster       | 1.6                  | EKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1697                                             | 2014       | Hyundai | Veloster       | 1.6                  | EKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1698                                             | 2014       | Hyundai | Veloster       | 1.6                  | EKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1699                                             | 2014       | Hyundai | Veloster       | 1.6                  | EKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1700                                             | 2014       | Hyundai | Veloster       | 1.6                  | EKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1701                                             | 2015       | Hyundai | Accent         | 1.6                  | FKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1702                                             | 2015       | Hyundai | Accent         | 1.6                  | FKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1703                                             | 2015       | Hyundai | Accent         | 1.6                  | FKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1704                                             | 2015       | Hyundai | Accent         | 1.6                  | FKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1705                                             | 2015       | Hyundai | Accent         | 1.6                  | FKMXXV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1706                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1707                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1708                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1709                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1710                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1711                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1712                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1713                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1714                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1715                                             | 2015       | Hyundai | Equus          | 5                    | FHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1716                                             | 2015       | Hyundai | Santa Fe Sport | 2.4                  | FHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531775         | ALL              |
| 1717                                             | 2015       | Hyundai | Santa Fe Sport | 2.4                  | FHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1718                                             | 2015       | Hyundai | Santa Fe Sport | 2.4                  | FHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1719                                             | 2015       | Hyundai | Santa Fe Sport | 2.4                  | FHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571142         | ALL              |
| 1720                                             | 2015       | Hyundai | Santa Fe       | 3.3                  | FHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 1721                                             | 2015       | Hyundai | Santa Fe       | 3.3                  | FHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | 2WD              |
| 1722                                             | 2015       | Hyundai | Santa Fe       | 3.3                  | FHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531787         | AWD              |

| Appendix D-193-175                               |            |         |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|----------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model          | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1723                                             | 2015       | Hyundai | Santa Fe       | 3.3                  | FHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1724                                             | 2015       | Hyundai | Santa Fe       | 3.3                  | FHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1725                                             | 2015       | Hyundai | Santa Fe       | 3.3                  | FHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571143         | ALL              |
| 1726                                             | 2015       | Hyundai | Tucson         | 2.4                  | FHYXT02.41UE    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531590         | ALL              |
| 1727                                             | 2015       | Hyundai | Tucson         | 2.4                  | FHYXT02.41UE    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571815         | ALL              |
| 1728                                             | 2015       | Hyundai | Veloster       | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1729                                             | 2015       | Hyundai | Veloster       | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1730                                             | 2015       | Hyundai | Veloster       | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1731                                             | 2015       | Hyundai | Veloster       | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1732                                             | 2015       | Hyundai | Veloster       | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1733                                             | 2016       | Hyundai | Accent         | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1734                                             | 2016       | Hyundai | Accent         | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1735                                             | 2016       | Hyundai | Accent         | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1736                                             | 2016       | Hyundai | Accent         | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1737                                             | 2016       | Hyundai | Accent         | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1738                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 1739                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 1740                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 1741                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 1742                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | UNIVERSAL           | 5571204         | ALL              |
| 1743                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UL             | DIRECT FIT          | 5571880         | ALL              |
| 1744                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 1745                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 1746                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571204         | ALL              |
| 1747                                             | 2016       | Hyundai | Equus          | 5                    | GHYXV05.01SE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571881         | ALL              |
| 1748                                             | 2016       | Hyundai | Santa Fe Sport | 2.4                  | GHYXV02.41WE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531775         | ALL              |
| 1749                                             | 2016       | Hyundai | Santa Fe       | 3.3                  | GHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 1750                                             | 2016       | Hyundai | Santa Fe       | 3.3                  | GHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | 2WD              |
| 1751                                             | 2016       | Hyundai | Santa Fe       | 3.3                  | GHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531787         | AWD              |
| 1752                                             | 2016       | Hyundai | Santa Fe       | 3.3                  | GHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1753                                             | 2016       | Hyundai | Santa Fe       | 3.3                  | GHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1754                                             | 2016       | Hyundai | Santa Fe       | 3.3                  | GHYXV03.31XE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571143         | ALL              |
| 1755                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1756                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1757                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1758                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1759                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1760                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1761                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1762                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1763                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1764                                             | 2016       | Hyundai | Veloster       | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571924         | ALL              |

| Appendix D-193-175                               |            |         |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1765                                             | 2017       | Hyundai | Accent   | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1766                                             | 2017       | Hyundai | Accent   | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1767                                             | 2017       | Hyundai | Accent   | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1768                                             | 2017       | Hyundai | Accent   | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1769                                             | 2017       | Hyundai | Accent   | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1770                                             | 2017       | Hyundai | Santa Fe | 3.3                  | HHYXV03.31XF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 1771                                             | 2017       | Hyundai | Santa Fe | 3.3                  | HHYXV03.31XF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | 2WD              |
| 1772                                             | 2017       | Hyundai | Santa Fe | 3.3                  | HHYXV03.31XF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531787         | AWD              |
| 1773                                             | 2017       | Hyundai | Santa Fe | 3.3                  | HHYXV03.31XF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1774                                             | 2017       | Hyundai | Santa Fe | 3.3                  | HHYXV03.31XF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1775                                             | 2017       | Hyundai | Santa Fe | 3.3                  | HHYXV03.31XF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571143         | ALL              |
| 1776                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1777                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DDF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1778                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1779                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1780                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1781                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1782                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DDF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1783                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DDF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1784                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DDF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1785                                             | 2017       | Hyundai | Veloster | 1.6                  | HKMXV01.6DDF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571924         | ALL              |
| 1786                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531260         | 4WD              |
| 1787                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531260         | AWD              |
| 1788                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 1789                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | 4WD              |
| 1790                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 1791                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | 4WD              |
| 1792                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 1793                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | 4WD              |
| 1794                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571661         | AWD              |
| 1795                                             | 2017       | Jeep    | Compass  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571661         | 4WD              |
| 1796                                             | 2017       | Jeep    | Patriot  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531260         | 4WD              |
| 1797                                             | 2017       | Jeep    | Patriot  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | 4WD              |
| 1798                                             | 2017       | Jeep    | Patriot  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | 4WD              |
| 1799                                             | 2017       | Jeep    | Patriot  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | 4WD              |
| 1800                                             | 2017       | Jeep    | Patriot  | 2.4                  | HCRXT02.45P4    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571661         | 4WD              |
| 1801                                             | 2004       | Kia     | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1802                                             | 2004       | Kia     | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1803                                             | 2004       | Kia     | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | AUTOMATIC        |
| 1804                                             | 2004       | Kia     | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1805                                             | 2004       | Kia     | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | AUTOMATIC        |
| 1806                                             | 2004       | Kia     | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | MANUAL           |

| Appendix D-193-175                               |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1807                                             | 2004       | Kia  | Spectra  | 2                    | 4KMXV02.0J02    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | AUTOMATIC        |
| 1808                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1809                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1810                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | AUTOMATIC        |
| 1811                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | AUTOMATIC        |
| 1812                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1813                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | AUTOMATIC        |
| 1814                                             | 2005       | Kia  | Spectra  | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | MANUAL           |
| 1815                                             | 2005       | Kia  | Spectra5 | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1816                                             | 2005       | Kia  | Spectra5 | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1817                                             | 2005       | Kia  | Spectra5 | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1818                                             | 2005       | Kia  | Spectra5 | 2                    | 5KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | ALL              |
| 1819                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXV02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1820                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1821                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1822                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 1823                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1824                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXV02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1825                                             | 2006       | Kia  | Optima   | 2.4                  | 6KMXT02.4NW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1826                                             | 2006       | Kia  | Optima   | 2.7                  | 6KMXV02.7TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1827                                             | 2006       | Kia  | Optima   | 2.7                  | 6KMXV02.7TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1828                                             | 2006       | Kia  | Optima   | 2.7                  | 6KMXV02.7TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1829                                             | 2006       | Kia  | Optima   | 2.7                  | 6KMXV02.7TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1830                                             | 2006       | Kia  | Optima   | 2.7                  | 6KMXV02.7TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1831                                             | 2006       | Kia  | Optima   | 2.7                  | 6KMXV02.7TW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1832                                             | 2006       | Kia  | Rio5     | 1.6                  | 6KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1833                                             | 2006       | Kia  | Rio5     | 1.6                  | 6KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1834                                             | 2006       | Kia  | Rio5     | 1.6                  | 6KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1835                                             | 2006       | Kia  | Rio5     | 1.6                  | 6KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1836                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1837                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1838                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | AUTOMATIC        |
| 1839                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | AUTOMATIC        |
| 1840                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1841                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | MANUAL           |
| 1842                                             | 2006       | Kia  | Spectra  | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | AUTOMATIC        |
| 1843                                             | 2006       | Kia  | Spectra5 | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1844                                             | 2006       | Kia  | Spectra5 | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1845                                             | 2006       | Kia  | Spectra5 | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1846                                             | 2006       | Kia  | Spectra5 | 2                    | 6KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | ALL              |
| 1847                                             | 2007       | Kia  | Optima   | 2.4                  | 7KMXV02.4MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1848                                             | 2007       | Kia  | Optima   | 2.4                  | 7KMXV02.4MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |

| Appendix D-193-175                               |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1849                                             | 2007       | Kia  | Optima   | 2.7                  | 7KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1850                                             | 2007       | Kia  | Optima   | 2.7                  | 7KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1851                                             | 2007       | Kia  | Optima   | 2.7                  | 7KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1852                                             | 2007       | Kia  | Optima   | 2.7                  | 7KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1853                                             | 2007       | Kia  | Optima   | 2.7                  | 7KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1854                                             | 2007       | Kia  | Optima   | 2.7                  | 7KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1855                                             | 2007       | Kia  | Rio5     | 1.6                  | 7KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1856                                             | 2007       | Kia  | Rio5     | 1.6                  | 7KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1857                                             | 2007       | Kia  | Rio5     | 1.6                  | 7KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1858                                             | 2007       | Kia  | Rio5     | 1.6                  | 7KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1859                                             | 2007       | Kia  | Rondo    | 2.4                  | 7KMXV02.4UW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1860                                             | 2007       | Kia  | Rondo    | 2.4                  | 7KMXV02.4UW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1861                                             | 2007       | Kia  | Rondo    | 2.7                  | 7KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1862                                             | 2007       | Kia  | Rondo    | 2.7                  | 7KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1863                                             | 2007       | Kia  | Rondo    | 2.7                  | 7KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1864                                             | 2007       | Kia  | Rondo    | 2.7                  | 7KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1865                                             | 2007       | Kia  | Rondo    | 2.7                  | 7KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1866                                             | 2007       | Kia  | Rondo    | 2.7                  | 7KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1867                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1868                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | AUTOMATIC        |
| 1869                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1870                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | AUTOMATIC        |
| 1871                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1872                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | AUTOMATIC        |
| 1873                                             | 2007       | Kia  | Spectra  | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | MANUAL           |
| 1874                                             | 2007       | Kia  | Spectra5 | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1875                                             | 2007       | Kia  | Spectra5 | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1876                                             | 2007       | Kia  | Spectra5 | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1877                                             | 2007       | Kia  | Spectra5 | 2                    | 7KMXV02.0LW4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571438         | MANUAL           |
| 1878                                             | 2007       | Kia  | Sportage | 2                    | 7KMXT02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1879                                             | 2007       | Kia  | Sportage | 2                    | 7KMXT02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571483         | ALL              |
| 1880                                             | 2008       | Kia  | Optima   | 2.4                  | 8KMXV02.4MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1881                                             | 2008       | Kia  | Optima   | 2.4                  | 8KMXV02.4MW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1882                                             | 2008       | Kia  | Optima   | 2.7                  | 8KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1883                                             | 2008       | Kia  | Optima   | 2.7                  | 8KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1884                                             | 2008       | Kia  | Optima   | 2.7                  | 8KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1885                                             | 2008       | Kia  | Optima   | 2.7                  | 8KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1886                                             | 2008       | Kia  | Optima   | 2.7                  | 8KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1887                                             | 2008       | Kia  | Optima   | 2.7                  | 8KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1888                                             | 2008       | Kia  | Rio5     | 1.6                  | 8KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1889                                             | 2008       | Kia  | Rio5     | 1.6                  | 8KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1890                                             | 2008       | Kia  | Rio5     | 1.6                  | 8KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1891                                             | 2008       | Kia  | Rio5     | 1.6                  | 8KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1892                                             | 2008       | Kia  | Rondo    | 2.4                  | 8KMXV02.4UW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531970         | ALL              |
| 1893                                             | 2008       | Kia  | Rondo    | 2.4                  | 8KMXV02.4UW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571890         | ALL              |
| 1894                                             | 2008       | Kia  | Rondo    | 2.7                  | 8KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1895                                             | 2008       | Kia  | Rondo    | 2.7                  | 8KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1896                                             | 2008       | Kia  | Rondo    | 2.7                  | 8KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1897                                             | 2008       | Kia  | Rondo    | 2.7                  | 8KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1898                                             | 2008       | Kia  | Rondo    | 2.7                  | 8KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1899                                             | 2008       | Kia  | Rondo    | 2.7                  | 8KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1900                                             | 2008       | Kia  | Spectra  | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1901                                             | 2008       | Kia  | Spectra  | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1902                                             | 2008       | Kia  | Spectra  | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | MANUAL           |
| 1903                                             | 2008       | Kia  | Spectra  | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1904                                             | 2008       | Kia  | Spectra  | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571858         | MANUAL           |
| 1905                                             | 2008       | Kia  | Spectra5 | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1906                                             | 2008       | Kia  | Spectra5 | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1907                                             | 2008       | Kia  | Spectra5 | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | MANUAL           |
| 1908                                             | 2008       | Kia  | Spectra5 | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1909                                             | 2008       | Kia  | Spectra5 | 2                    | 8KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571857         | MANUAL           |
| 1910                                             | 2008       | Kia  | Sportage | 2                    | 8KMXV02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1911                                             | 2008       | Kia  | Sportage | 2                    | 8KMXV02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571483         | ALL              |
| 1912                                             | 2009       | Kia  | Optima   | 2.7                  | 9KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1913                                             | 2009       | Kia  | Optima   | 2.7                  | 9KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1914                                             | 2009       | Kia  | Optima   | 2.7                  | 9KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1915                                             | 2009       | Kia  | Optima   | 2.7                  | 9KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1916                                             | 2009       | Kia  | Optima   | 2.7                  | 9KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1917                                             | 2009       | Kia  | Optima   | 2.7                  | 9KMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1918                                             | 2009       | Kia  | Rio5     | 1.6                  | 9KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1919                                             | 2009       | Kia  | Rio5     | 1.6                  | 9KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1920                                             | 2009       | Kia  | Rio5     | 1.6                  | 9KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1921                                             | 2009       | Kia  | Rio5     | 1.6                  | 9KMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1922                                             | 2009       | Kia  | Rondo    | 2.7                  | 9KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1923                                             | 2009       | Kia  | Rondo    | 2.7                  | 9KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1924                                             | 2009       | Kia  | Rondo    | 2.7                  | 9KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1925                                             | 2009       | Kia  | Rondo    | 2.7                  | 9KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1926                                             | 2009       | Kia  | Rondo    | 2.7                  | 9KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1927                                             | 2009       | Kia  | Rondo    | 2.7                  | 9KMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1928                                             | 2009       | Kia  | Spectra  | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1929                                             | 2009       | Kia  | Spectra  | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1930                                             | 2009       | Kia  | Spectra  | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | MANUAL           |
| 1931                                             | 2009       | Kia  | Spectra  | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1932                                             | 2009       | Kia  | Spectra  | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571858         | MANUAL           |

| Appendix D-193-175                               |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1933                                             | 2009       | Kia  | Spectra5 | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | MANUAL           |
| 1934                                             | 2009       | Kia  | Spectra5 | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | MANUAL           |
| 1935                                             | 2009       | Kia  | Spectra5 | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | MANUAL           |
| 1936                                             | 2009       | Kia  | Spectra5 | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | MANUAL           |
| 1937                                             | 2009       | Kia  | Spectra5 | 2                    | 9KMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571857         | MANUAL           |
| 1938                                             | 2009       | Kia  | Sportage | 2                    | 9KMXT02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1939                                             | 2009       | Kia  | Sportage | 2                    | 9KMXT02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571483         | ALL              |
| 1940                                             | 2010       | Kia  | Optima   | 2.7                  | AKMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1941                                             | 2010       | Kia  | Optima   | 2.7                  | AKMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1942                                             | 2010       | Kia  | Optima   | 2.7                  | AKMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1943                                             | 2010       | Kia  | Optima   | 2.7                  | AKMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1944                                             | 2010       | Kia  | Optima   | 2.7                  | AKMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1945                                             | 2010       | Kia  | Optima   | 2.7                  | AKMXV02.7GW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1946                                             | 2010       | Kia  | Rio5     | 1.6                  | AKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531930         | ALL              |
| 1947                                             | 2010       | Kia  | Rio5     | 1.6                  | AKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1948                                             | 2010       | Kia  | Rio5     | 1.6                  | AKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1949                                             | 2010       | Kia  | Rio5     | 1.6                  | AKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571653         | ALL              |
| 1950                                             | 2010       | Kia  | Rondo    | 2.7                  | AKMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531634         | ALL              |
| 1951                                             | 2010       | Kia  | Rondo    | 2.7                  | AKMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531262         | ALL              |
| 1952                                             | 2010       | Kia  | Rondo    | 2.7                  | AKMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1953                                             | 2010       | Kia  | Rondo    | 2.7                  | AKMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1954                                             | 2010       | Kia  | Rondo    | 2.7                  | AKMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1955                                             | 2010       | Kia  | Rondo    | 2.7                  | AKMXV02.7NW5    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5571442         | ALL              |
| 1956                                             | 2010       | Kia  | Soul     | 2                    | AKMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1957                                             | 2010       | Kia  | Soul     | 2                    | AKMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1958                                             | 2010       | Kia  | Soul     | 2                    | AKMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1959                                             | 2010       | Kia  | Soul     | 2                    | AKMXV02.0LW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1960                                             | 2010       | Kia  | Sportage | 2                    | AKMXT02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531973         | ALL              |
| 1961                                             | 2010       | Kia  | Sportage | 2                    | AKMXT02.0KW5    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571483         | ALL              |
| 1962                                             | 2011       | Kia  | Rio      | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531321         | ALL              |
| 1963                                             | 2011       | Kia  | Rio      | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1964                                             | 2011       | Kia  | Rio      | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1965                                             | 2011       | Kia  | Rio      | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571653         | ALL              |
| 1966                                             | 2011       | Kia  | Rio5     | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531321         | ALL              |
| 1967                                             | 2011       | Kia  | Rio5     | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1968                                             | 2011       | Kia  | Rio5     | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1969                                             | 2011       | Kia  | Rio5     | 1.6                  | BKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571653         | ALL              |
| 1970                                             | 2011       | Kia  | Soul     | 2                    | BKMXXV02.0LW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531330         | ALL              |
| 1971                                             | 2011       | Kia  | Soul     | 2                    | BKMXXV02.0LW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1972                                             | 2011       | Kia  | Soul     | 2                    | BKMXXV02.0LW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1973                                             | 2011       | Kia  | Soul     | 2                    | BKMXXV02.0LW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571066         | ALL              |
| 1974                                             | 2012       | Kia  | Rio      | 1.6                  | CKMXXV01.6BW5   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |

| Appendix D-193-175                               |            |      |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 1975                                             | 2012       | Kia  | Rio     | 1.6                  | CKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1976                                             | 2012       | Kia  | Rio     | 1.6                  | CKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1977                                             | 2012       | Kia  | Rio     | 1.6                  | CKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1978                                             | 2012       | Kia  | Rio     | 1.6                  | CKMXV01.6BW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571814         | ALL              |
| 1979                                             | 2012       | Kia  | Sorento | 2.4                  | CKMXV02.4YW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531774         | ALL              |
| 1980                                             | 2012       | Kia  | Sorento | 2.4                  | CKMXV02.4YW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1981                                             | 2012       | Kia  | Sorento | 2.4                  | CKMXV02.4YW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1982                                             | 2012       | Kia  | Sorento | 2.4                  | CKMXV02.4YW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571863         | ALL              |
| 1983                                             | 2012       | Kia  | Soul    | 1.6                  | CKMXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1984                                             | 2012       | Kia  | Soul    | 1.6                  | CKMXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1985                                             | 2012       | Kia  | Soul    | 1.6                  | CKMXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1986                                             | 2012       | Kia  | Soul    | 1.6                  | CKMXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1987                                             | 2012       | Kia  | Soul    | 1.6                  | CKMXV01.6AW5    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 1988                                             | 2013       | Kia  | Rio     | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1989                                             | 2013       | Kia  | Rio     | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1990                                             | 2013       | Kia  | Rio     | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 1991                                             | 2013       | Kia  | Rio     | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 1992                                             | 2013       | Kia  | Rio     | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571814         | ALL              |
| 1993                                             | 2013       | Kia  | Sorento | 2.4                  | DKMXV02.44ME    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531774         | ALL              |
| 1994                                             | 2013       | Kia  | Sorento | 2.4                  | DKMXV02.44ME    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 1995                                             | 2013       | Kia  | Sorento | 2.4                  | DKMXV02.44ME    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 1996                                             | 2013       | Kia  | Sorento | 2.4                  | DKMXV02.44ME    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571863         | ALL              |
| 1997                                             | 2013       | Kia  | Soul    | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 1998                                             | 2013       | Kia  | Soul    | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 1999                                             | 2013       | Kia  | Soul    | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2000                                             | 2013       | Kia  | Soul    | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2001                                             | 2013       | Kia  | Soul    | 1.6                  | DKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571924         | ALL              |
| 2002                                             | 2014       | Kia  | Forte   | 1.8                  | EKM XV01.8DEE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531081         | ALL              |
| 2003                                             | 2014       | Kia  | Forte   | 1.8                  | EKM XV01.8DEE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571828         | ALL              |
| 2004                                             | 2014       | Kia  | Rio     | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2005                                             | 2014       | Kia  | Rio     | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2006                                             | 2014       | Kia  | Rio     | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2007                                             | 2014       | Kia  | Rio     | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2008                                             | 2014       | Kia  | Rio     | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571814         | ALL              |
| 2009                                             | 2014       | Kia  | Sorento | 2.4                  | EKM XV02.44PE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531775         | ALL              |
| 2010                                             | 2014       | Kia  | Sorento | 2.4                  | EKM XV02.44PE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2011                                             | 2014       | Kia  | Sorento | 2.4                  | EKM XV02.44PE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2012                                             | 2014       | Kia  | Sorento | 2.4                  | EKM XV02.44PE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571142         | ALL              |
| 2013                                             | 2014       | Kia  | Soul    | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2014                                             | 2014       | Kia  | Soul    | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2015                                             | 2014       | Kia  | Soul    | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2016                                             | 2014       | Kia  | Soul    | 1.6                  | EKM XV01.6DBE   | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |      |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2017                                             | 2014       | Kia  | Soul    | 1.6                  | EKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571850         | ALL              |
| 2018                                             | 2015       | Kia  | Forte   | 1.8                  | FKMXV01.84EE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531081         | ALL              |
| 2019                                             | 2015       | Kia  | Forte   | 1.8                  | FKMXV01.84EE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571828         | ALL              |
| 2020                                             | 2015       | Kia  | K900    | 5                    | FKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 2021                                             | 2015       | Kia  | K900    | 5                    | FKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 2022                                             | 2015       | Kia  | K900    | 5                    | FKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2023                                             | 2015       | Kia  | K900    | 5                    | FKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2024                                             | 2015       | Kia  | K900    | 5                    | FKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2025                                             | 2015       | Kia  | K900    | 5                    | FKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571849         | ALL              |
| 2026                                             | 2015       | Kia  | Optima  | 2.4                  | FKMXV02.44HE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531125         | ALL              |
| 2027                                             | 2015       | Kia  | Optima  | 2.4                  | FKMXV02.44HE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571133         | ALL              |
| 2028                                             | 2015       | Kia  | Rio     | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2029                                             | 2015       | Kia  | Rio     | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2030                                             | 2015       | Kia  | Rio     | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2031                                             | 2015       | Kia  | Rio     | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2032                                             | 2015       | Kia  | Rio     | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571814         | ALL              |
| 2033                                             | 2015       | Kia  | Sorento | 2.4                  | FKMXV02.44PE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531775         | ALL              |
| 2034                                             | 2015       | Kia  | Sorento | 2.4                  | FKMXV02.44PE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2035                                             | 2015       | Kia  | Sorento | 2.4                  | FKMXV02.44PE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2036                                             | 2015       | Kia  | Sorento | 2.4                  | FKMXV02.44PE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571142         | ALL              |
| 2037                                             | 2015       | Kia  | Soul    | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2038                                             | 2015       | Kia  | Soul    | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2039                                             | 2015       | Kia  | Soul    | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2040                                             | 2015       | Kia  | Soul    | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2041                                             | 2015       | Kia  | Soul    | 1.6                  | FKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571850         | ALL              |
| 2042                                             | 2016       | Kia  | Forte   | 1.8                  | GKMXV01.84EE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531081         | ALL              |
| 2043                                             | 2016       | Kia  | Forte   | 1.8                  | GKMXV01.84EE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571828         | ALL              |
| 2044                                             | 2016       | Kia  | K900    | 5                    | GKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 2045                                             | 2016       | Kia  | K900    | 5                    | GKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 2046                                             | 2016       | Kia  | K900    | 5                    | GKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2047                                             | 2016       | Kia  | K900    | 5                    | GKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2048                                             | 2016       | Kia  | K900    | 5                    | GKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2049                                             | 2016       | Kia  | K900    | 5                    | GKMXV05.04UE    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571849         | ALL              |
| 2050                                             | 2016       | Kia  | Rio     | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2051                                             | 2016       | Kia  | Rio     | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2052                                             | 2016       | Kia  | Rio     | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2053                                             | 2016       | Kia  | Rio     | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2054                                             | 2016       | Kia  | Rio     | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571814         | ALL              |
| 2055                                             | 2016       | Kia  | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 2056                                             | 2016       | Kia  | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | ALL              |
| 2057                                             | 2016       | Kia  | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2058                                             | 2016       | Kia  | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |       |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2059                                             | 2016       | Kia   | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2060                                             | 2016       | Kia   | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571150         | ALL              |
| 2061                                             | 2016       | Kia   | Sorento | 3.3                  | GKMXV03.34RE    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571153         | ALL              |
| 2062                                             | 2016       | Kia   | Soul    | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2063                                             | 2016       | Kia   | Soul    | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2064                                             | 2016       | Kia   | Soul    | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2065                                             | 2016       | Kia   | Soul    | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2066                                             | 2016       | Kia   | Soul    | 1.6                  | GKMXV01.6DBE    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571850         | ALL              |
| 2067                                             | 2017       | Kia   | K900    | 5                    | HKMXV05.04UF    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 2               | 2                   | FL             | DIRECT FIT          | 5531092         | ALL              |
| 2068                                             | 2017       | Kia   | K900    | 5                    | HKMXV05.04UF    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 2               | 2                   | FR             | DIRECT FIT          | 5531093         | ALL              |
| 2069                                             | 2017       | Kia   | K900    | 5                    | HKMXV05.04UF    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2070                                             | 2017       | Kia   | K900    | 5                    | HKMXV05.04UF    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2071                                             | 2017       | Kia   | K900    | 5                    | HKMXV05.04UF    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2072                                             | 2017       | Kia   | K900    | 5                    | HKMXV05.04UF    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 2               | 2                   | U              | DIRECT FIT          | 5571849         | ALL              |
| 2073                                             | 2017       | Kia   | Rio     | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2074                                             | 2017       | Kia   | Rio     | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2075                                             | 2017       | Kia   | Rio     | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2076                                             | 2017       | Kia   | Rio     | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2077                                             | 2017       | Kia   | Rio     | 1.6                  | HKMXV01.6DBF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571924         | ALL              |
| 2078                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FL             | DIRECT FIT          | 5531089         | ALL              |
| 2079                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | FR             | DIRECT FIT          | 5531090         | ALL              |
| 2080                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2081                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2082                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2083                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571150         | ALL              |
| 2084                                             | 2017       | Kia   | Sorento | 3.3                  | HKMXV03.34RF    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571153         | ALL              |
| 2085                                             | 2017       | Kia   | Soul    | 1.6                  | HKMXV01.64JF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531429         | ALL              |
| 2086                                             | 2017       | Kia   | Soul    | 1.6                  | HKMXV01.64JF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2087                                             | 2017       | Kia   | Soul    | 1.6                  | HKMXV01.64JF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2088                                             | 2017       | Kia   | Soul    | 1.6                  | HKMXV01.64JF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2089                                             | 2017       | Kia   | Soul    | 1.6                  | HKMXV01.64JF    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571850         | ALL              |
| 2090                                             | 2004       | Lexus | ES330   | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 2091                                             | 2004       | Lexus | ES330   | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 2092                                             | 2004       | Lexus | ES330   | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2093                                             | 2004       | Lexus | ES330   | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2094                                             | 2004       | Lexus | ES330   | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 2095                                             | 2005       | Lexus | ES330   | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 2096                                             | 2005       | Lexus | ES330   | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 2097                                             | 2005       | Lexus | ES330   | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2098                                             | 2005       | Lexus | ES330   | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2099                                             | 2005       | Lexus | ES330   | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 2100                                             | 2006       | Lexus | ES330   | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531398         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2101                                             | 2006       | Lexus | ES330 | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 2102                                             | 2006       | Lexus | ES330 | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2103                                             | 2006       | Lexus | ES330 | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2104                                             | 2006       | Lexus | ES330 | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 2105                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2106                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2107                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2108                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2109                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2110                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2111                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2112                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2113                                             | 2006       | Lexus | IS250 | 2.5                  | 6TYXV02.5PEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2114                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2115                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | ALL              |
| 2116                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2117                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2118                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2119                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2120                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2121                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2122                                             | 2006       | Lexus | IS350 | 3.5                  | 6TYXV03.5PEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2123                                             | 2007       | Lexus | ES350 | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2124                                             | 2007       | Lexus | ES350 | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2125                                             | 2007       | Lexus | ES350 | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2126                                             | 2007       | Lexus | GS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2127                                             | 2007       | Lexus | GS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2128                                             | 2007       | Lexus | GS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571315         | 2WD              |
| 2129                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2130                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2131                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531983         | AWD              |
| 2132                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2133                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2134                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | AWD              |
| 2135                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2136                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2137                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2138                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2139                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2140                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2141                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV01.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2142                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2143                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2144                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2145                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2146                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2147                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2148                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571168         | 2WD              |
| 2149                                             | 2007       | Lexus | IS250 | 2.5                  | 7TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571071         | AWD              |
| 2150                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2151                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | ALL              |
| 2152                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2153                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2154                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2155                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2156                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2157                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2158                                             | 2007       | Lexus | IS350 | 3.5                  | 7TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2159                                             | 2008       | Lexus | ES350 | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2160                                             | 2008       | Lexus | ES350 | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2161                                             | 2008       | Lexus | ES350 | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2162                                             | 2008       | Lexus | GS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2163                                             | 2008       | Lexus | GS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2164                                             | 2008       | Lexus | GS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571315         | 2WD              |
| 2165                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2166                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2167                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2168                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 2169                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 2170                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 2171                                             | 2008       | Lexus | IS F  | 5                    | 8TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 2172                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2173                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2174                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2175                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2176                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2177                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2178                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2179                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2180                                             | 2008       | Lexus | IS250 | 2.5                  | 8TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2181                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2182                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | ALL              |
| 2183                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2184                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2185                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2186                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2187                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2188                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2189                                             | 2008       | Lexus | IS350 | 3.5                  | 8TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2190                                             | 2009       | Lexus | ES350 | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2191                                             | 2009       | Lexus | ES350 | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2192                                             | 2009       | Lexus | ES350 | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2193                                             | 2009       | Lexus | GS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2194                                             | 2009       | Lexus | GS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2195                                             | 2009       | Lexus | GS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571315         | 2WD              |
| 2196                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2197                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2198                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2199                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 2200                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 2201                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 2202                                             | 2009       | Lexus | IS F  | 5                    | 9TYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 2203                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2204                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2205                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2206                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2207                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2208                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2209                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2210                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2211                                             | 2009       | Lexus | IS250 | 2.5                  | 9TYXV02.5BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2212                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2213                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | ALL              |
| 2214                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2215                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2216                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2217                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2218                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2219                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2220                                             | 2009       | Lexus | IS350 | 3.5                  | 9TYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2221                                             | 2010       | Lexus | ES350 | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2222                                             | 2010       | Lexus | ES350 | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2223                                             | 2010       | Lexus | ES350 | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2224                                             | 2010       | Lexus | GS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2225                                             | 2010       | Lexus | GS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2226                                             | 2010       | Lexus | GS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571315         | 2WD              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2227                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2228                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2229                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2230                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571205         | ALL              |
| 2231                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | UNIVERSAL           | 5571206         | ALL              |
| 2232                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571205         | ALL              |
| 2233                                             | 2010       | Lexus | IS F  | 5                    | ATYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | UNIVERSAL           | 5571206         | ALL              |
| 2234                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2235                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | ALL              |
| 2236                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2237                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2238                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2239                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2240                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2241                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2242                                             | 2010       | Lexus | IS350 | 3.5                  | ATYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2243                                             | 2011       | Lexus | ES350 | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2244                                             | 2011       | Lexus | ES350 | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2245                                             | 2011       | Lexus | ES350 | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2246                                             | 2011       | Lexus | GS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2247                                             | 2011       | Lexus | GS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2248                                             | 2011       | Lexus | GS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571315         | 2WD              |
| 2249                                             | 2011       | Lexus | IS F  | 5                    | BTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2250                                             | 2011       | Lexus | IS F  | 5                    | BTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2251                                             | 2011       | Lexus | IS F  | 5                    | BTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2252                                             | 2011       | Lexus | IS F  | 5                    | BTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2253                                             | 2011       | Lexus | IS F  | 5                    | BTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2254                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2255                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2256                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2257                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2258                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2259                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2260                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2261                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2262                                             | 2011       | Lexus | IS350 | 3.5                  | BTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2263                                             | 2012       | Lexus | ES350 | 3.5                  | CTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2264                                             | 2012       | Lexus | ES350 | 3.5                  | CTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2265                                             | 2012       | Lexus | ES350 | 3.5                  | CTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2266                                             | 2012       | Lexus | IS F  | 5                    | CTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2267                                             | 2012       | Lexus | IS F  | 5                    | CTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2268                                             | 2012       | Lexus | IS F  | 5                    | CTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2269                                             | 2012       | Lexus | IS F  | 5                    | CTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2270                                             | 2012       | Lexus | IS F  | 5                    | CTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2271                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2272                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2273                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2274                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2275                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2276                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2277                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2278                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2279                                             | 2012       | Lexus | IS350 | 3.5                  | CTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2280                                             | 2013       | Lexus | ES350 | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2281                                             | 2013       | Lexus | ES350 | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2282                                             | 2013       | Lexus | ES350 | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2283                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2284                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2285                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2286                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2287                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2288                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2289                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2290                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2291                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571058         | AWD              |
| 2292                                             | 2013       | Lexus | GS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2293                                             | 2013       | Lexus | IS F  | 5                    | DTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2294                                             | 2013       | Lexus | IS F  | 5                    | DTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2295                                             | 2013       | Lexus | IS F  | 5                    | DTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2296                                             | 2013       | Lexus | IS F  | 5                    | DTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2297                                             | 2013       | Lexus | IS F  | 5                    | DTYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2298                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 5531284         | 2WD              |
| 2299                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 5531285         | 2WD              |
| 2300                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | R              | DIRECT FIT          | 5571168         | 2WD              |
| 2301                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 5571205         | 2WD              |
| 2302                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 5571206         | 2WD              |
| 2303                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 5571204         | 2WD              |
| 2304                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 5571205         | 2WD              |
| 2305                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 5571206         | 2WD              |
| 2306                                             | 2013       | Lexus | IS350 | 3.5                  | DTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 5571204         | 2WD              |
| 2307                                             | 2014       | Lexus | ES350 | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2308                                             | 2014       | Lexus | ES350 | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2309                                             | 2014       | Lexus | ES350 | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2310                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2311                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2312                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2313                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2314                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2315                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2316                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2317                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2318                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2319                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2320                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571058         | AWD              |
| 2321                                             | 2014       | Lexus | GS350 | 3.5                  | ETYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2322                                             | 2014       | Lexus | IS F  | 5                    | ETYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531868         | ALL              |
| 2323                                             | 2014       | Lexus | IS F  | 5                    | ETYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531881         | ALL              |
| 2324                                             | 2014       | Lexus | IS F  | 5                    | ETYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2325                                             | 2014       | Lexus | IS F  | 5                    | ETYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2326                                             | 2014       | Lexus | IS F  | 5                    | ETYXV05.0BEA    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571508         | ALL              |
| 2327                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2328                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2329                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2330                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2331                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2332                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2333                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2334                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2335                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2336                                             | 2014       | Lexus | IS250 | 2.5                  | ETYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571070         | AWD              |
| 2337                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2338                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2339                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2340                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2341                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2342                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2343                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2344                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2345                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571068         | AWD              |
| 2346                                             | 2014       | Lexus | IS350 | 3.5                  | ETYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2347                                             | 2015       | Lexus | ES350 | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 2348                                             | 2015       | Lexus | ES350 | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 2349                                             | 2015       | Lexus | ES350 | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2350                                             | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2351                                             | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2352                                             | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No.  | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 2353 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2354 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2355 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2356 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2357 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2358 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2359 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2360 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2361 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2362 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2363 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571058         | AWD              |
| 2364 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2365 | 2015       | Lexus | GS350 | 3.5                  | FTYXV03.5BED    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2366 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2367 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2368 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2369 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2370 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2371 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2372 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2373 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2374 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2375 | 2015       | Lexus | IS250 | 2.5                  | FTYXV02.5BEC    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571070         | AWD              |
| 2376 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2377 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2378 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2379 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2380 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2381 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2382 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2383 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2384 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571068         | AWD              |
| 2385 | 2015       | Lexus | IS350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2386 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2387 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2388 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2389 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2390 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2391 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2392 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2393 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2394 | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571051         | 2WD              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2395                                             | 2015       | Lexus | RC350 | 3.5                  | FTYXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571052         | AWD              |
| 2396                                             | 2016       | Lexus | ES350 | 3.5                  | GTXXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2397                                             | 2016       | Lexus | IS300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2398                                             | 2016       | Lexus | IS300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2399                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2400                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2401                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2402                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2403                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2404                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2405                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2406                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2407                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571068         | AWD              |
| 2408                                             | 2016       | Lexus | IS350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2409                                             | 2016       | Lexus | RC300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2410                                             | 2016       | Lexus | RC300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2411                                             | 2016       | Lexus | RC300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2412                                             | 2016       | Lexus | RC300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2413                                             | 2016       | Lexus | RC300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2414                                             | 2016       | Lexus | RC300 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571052         | ALL              |
| 2415                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2416                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2417                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2418                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2419                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2420                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2421                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2422                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2423                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571051         | 2WD              |
| 2424                                             | 2016       | Lexus | RC350 | 3.5                  | GTXXV03.5BEB    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571052         | AWD              |
| 2425                                             | 2017       | Lexus | ES350 | 3.5                  | HTYXV03.5B6C    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 2426                                             | 2017       | Lexus | IS300 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2427                                             | 2017       | Lexus | IS300 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2428                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2429                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2430                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2431                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2432                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2433                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2434                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2435                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2436                                             | 2017       | Lexus | IS350 | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571068         | AWD              |

| Appendix D-193-175                               |            |         |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2437                                             | 2017       | Lexus   | IS350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571069         | 2WD              |
| 2438                                             | 2017       | Lexus   | RC300  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2439                                             | 2017       | Lexus   | RC300  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2440                                             | 2017       | Lexus   | RC300  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2441                                             | 2017       | Lexus   | RC300  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2442                                             | 2017       | Lexus   | RC300  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2443                                             | 2017       | Lexus   | RC300  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571052         | ALL              |
| 2444                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FL             | DIRECT FIT          | 5531284         | ALL              |
| 2445                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | FR             | DIRECT FIT          | 5531446         | ALL              |
| 2446                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | 2WD              |
| 2447                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 2448                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | 2WD              |
| 2449                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 2450                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | 2WD              |
| 2451                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | UNIVERSAL           | 5571204         | AWD              |
| 2452                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571051         | 2WD              |
| 2453                                             | 2017       | Lexus   | RC350  | 3.5                  | HTYXV03.5B6B    | LEV2 ULEV           | PC           | D            | 2TWC(2)        | 4               | 4                   | U              | DIRECT FIT          | 5571052         | AWD              |
| 2454                                             | 2006       | Lincoln | Zephyr | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | ALL              |
| 2455                                             | 2006       | Lincoln | Zephyr | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | ALL              |
| 2456                                             | 2006       | Lincoln | Zephyr | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2457                                             | 2006       | Lincoln | Zephyr | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2458                                             | 2006       | Lincoln | Zephyr | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2459                                             | 2006       | Lincoln | Zephyr | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | ALL              |
| 2460                                             | 2011       | Lincoln | MKS    | 3.7                  | BFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | F              | DIRECT FIT          | 5531218         | ALL              |
| 2461                                             | 2011       | Lincoln | MKS    | 3.7                  | BFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | R              | DIRECT FIT          | 5531232         | ALL              |
| 2462                                             | 2011       | Lincoln | MKT    | 3.7                  | BFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | F              | DIRECT FIT          | 5531218         | ALL              |
| 2463                                             | 2011       | Lincoln | MKT    | 3.7                  | BFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | R              | DIRECT FIT          | 5531232         | ALL              |
| 2464                                             | 2012       | Lincoln | MKS    | 3.7                  | CFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | F              | DIRECT FIT          | 5531218         | ALL              |
| 2465                                             | 2012       | Lincoln | MKS    | 3.7                  | CFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | R              | DIRECT FIT          | 5531232         | ALL              |
| 2466                                             | 2012       | Lincoln | MKT    | 3.7                  | CFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | F              | DIRECT FIT          | 5531218         | ALL              |
| 2467                                             | 2012       | Lincoln | MKT    | 3.7                  | CFMXV03.7VEL    | LEV2 ULEV           | PC           | D            | 2TWC           | 2               | 1                   | R              | DIRECT FIT          | 5531232         | ALL              |
| 2468                                             | 2004       | Mazda   | 3      | 2.3                  | 4TKXV02.3CJ1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531344         | ALL              |
| 2469                                             | 2004       | Mazda   | 3      | 2.3                  | 4TKXV02.3CJ1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2470                                             | 2004       | Mazda   | 3      | 2.3                  | 4TKXV02.3CJ1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2471                                             | 2004       | Mazda   | 3      | 2.3                  | 4TKXV02.3CJ1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2472                                             | 2005       | Mazda   | 3      | 2.3                  | 5TKXV02.3NC1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531344         | ALL              |
| 2473                                             | 2005       | Mazda   | 3      | 2.3                  | 5TKXV02.3NC1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2474                                             | 2005       | Mazda   | 3      | 2.3                  | 5TKXV02.3NC1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2475                                             | 2005       | Mazda   | 3      | 2.3                  | 5TKXV02.3NC1    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2476                                             | 2005       | Mazda   | 6      | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | F              | DIRECT FIT          | 5531277         | ALL              |
| 2477                                             | 2005       | Mazda   | 6      | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | FR             | DIRECT FIT          | 5531328         | ALL              |
| 2478                                             | 2005       | Mazda   | 6      | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571205         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No.  | Model Year | Make  | Model      | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|------|------------|-------|------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 2479 | 2005       | Mazda | 6          | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2480 | 2005       | Mazda | 6          | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | U              | DIRECT FIT          | 5571975         | ALL              |
| 2481 | 2005       | Mazda | 6          | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | UNIVERSAL           | 5571176         | ALL              |
| 2482 | 2005       | Mazda | 6          | 3                    | 5TKXV03.0NE1    | LEV2 ULEV           | PC           | D            | 2WU-TWC,2TWC   | 4               | 4                   | UR             | DIRECT FIT          | 5571739         | ALL              |
| 2483 | 2005       | Mazda | Tribute    | 3                    | 5TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 2484 | 2005       | Mazda | Tribute    | 3                    | 5TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2485 | 2005       | Mazda | Tribute    | 3                    | 5TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2486 | 2005       | Mazda | Tribute    | 3                    | 5TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2487 | 2005       | Mazda | Tribute    | 3                    | 5TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2488 | 2005       | Mazda | Tribute    | 3                    | 5TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2489 | 2006       | Mazda | 5          | 2.3                  | 6TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531344         | ALL              |
| 2490 | 2006       | Mazda | 5          | 2.3                  | 6TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2491 | 2006       | Mazda | 5          | 2.3                  | 6TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2492 | 2006       | Mazda | 5          | 2.3                  | 6TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2493 | 2006       | Mazda | 5          | 2.3                  | 6TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571886         | ALL              |
| 2494 | 2006       | Mazda | MX-5 Miata | 2                    | 6TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2495 | 2006       | Mazda | MX-5 Miata | 2                    | 6TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2496 | 2006       | Mazda | MX-5 Miata | 2                    | 6TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2497 | 2006       | Mazda | MX-5 Miata | 2                    | 6TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2498 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 2499 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 2500 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2501 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2502 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2503 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2504 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2505 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2506 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2507 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2508 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CA    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2509 | 2006       | Mazda | Tribute    | 3                    | 6TKXT03.05CB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2510 | 2007       | Mazda | 3          | 2.3                  | 7TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531786         | ALL              |
| 2511 | 2007       | Mazda | 3          | 2.3                  | 7TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2512 | 2007       | Mazda | 3          | 2.3                  | 7TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2513 | 2007       | Mazda | 3          | 2.3                  | 7TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2514 | 2007       | Mazda | 5          | 2.3                  | 7TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531344         | ALL              |
| 2515 | 2007       | Mazda | 5          | 2.3                  | 7TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2516 | 2007       | Mazda | 5          | 2.3                  | 7TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2517 | 2007       | Mazda | 5          | 2.3                  | 7TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2518 | 2007       | Mazda | 5          | 2.3                  | 7TKXV02.35CA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571886         | ALL              |
| 2519 | 2007       | Mazda | MX-5 Miata | 2                    | 7TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2520 | 2007       | Mazda | MX-5 Miata | 2                    | 7TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |

| Appendix D-193-175                               |            |       |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model      | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2521                                             | 2007       | Mazda | MX-5 Miata | 2                    | 7TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2522                                             | 2007       | Mazda | MX-5 Miata | 2                    | 7TKXV02.05EA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2523                                             | 2008       | Mazda | 3          | 2.3                  | 8TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531786         | ALL              |
| 2524                                             | 2008       | Mazda | 3          | 2.3                  | 8TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2525                                             | 2008       | Mazda | 3          | 2.3                  | 8TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2526                                             | 2008       | Mazda | 3          | 2.3                  | 8TKXV02.3NF1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2527                                             | 2008       | Mazda | 5          | 2.3                  | 8TKXV02.35DA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531786         | ALL              |
| 2528                                             | 2008       | Mazda | 5          | 2.3                  | 8TKXV02.35DA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2529                                             | 2008       | Mazda | 5          | 2.3                  | 8TKXV02.35DA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2530                                             | 2008       | Mazda | 5          | 2.3                  | 8TKXV02.35DA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2531                                             | 2008       | Mazda | 5          | 2.3                  | 8TKXV02.35DA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571886         | ALL              |
| 2532                                             | 2008       | Mazda | MX-5 Miata | 2                    | 8TKXV02.05FA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2533                                             | 2008       | Mazda | MX-5 Miata | 2                    | 8TKXV02.05FA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2534                                             | 2008       | Mazda | MX-5 Miata | 2                    | 8TKXV02.05FA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2535                                             | 2008       | Mazda | MX-5 Miata | 2                    | 8TKXV02.05FA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2536                                             | 2008       | Mazda | Tribute    | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 2537                                             | 2008       | Mazda | Tribute    | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2538                                             | 2008       | Mazda | Tribute    | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2539                                             | 2008       | Mazda | Tribute    | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2540                                             | 2008       | Mazda | Tribute    | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 2541                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531376         | ALL              |
| 2542                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531376         | ALL              |
| 2543                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.02EC    | LEV2 LEV            | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 2544                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.02EJ    | LEV2 LEV            | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 2545                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2546                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2547                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2548                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2549                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2550                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2551                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2552                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2553                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2554                                             | 2008       | Mazda | Tribute    | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2555                                             | 2009       | Mazda | 3          | 2.3                  | 9TKXV02.3NB1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531786         | ALL              |
| 2556                                             | 2009       | Mazda | 3          | 2.3                  | 9TKXV02.3NB1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2557                                             | 2009       | Mazda | 3          | 2.3                  | 9TKXV02.3NB1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2558                                             | 2009       | Mazda | 3          | 2.3                  | 9TKXV02.3NB1    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2559                                             | 2009       | Mazda | 5          | 2.3                  | 9TKXV02.35AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531786         | ALL              |
| 2560                                             | 2009       | Mazda | 5          | 2.3                  | 9TKXV02.35AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2561                                             | 2009       | Mazda | 5          | 2.3                  | 9TKXV02.35AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2562                                             | 2009       | Mazda | 5          | 2.3                  | 9TKXV02.35AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |       |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model      | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2563                                             | 2009       | Mazda | 5          | 2.3                  | 9TKXV02.35AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571886         | ALL              |
| 2564                                             | 2009       | Mazda | 6          | 2.5                  | 9TKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531851         | AUTOMATIC        |
| 2565                                             | 2009       | Mazda | 6          | 2.5                  | 9TKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2566                                             | 2009       | Mazda | 6          | 2.5                  | 9TKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2567                                             | 2009       | Mazda | 6          | 2.5                  | 9TKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571479         | ALL              |
| 2568                                             | 2009       | Mazda | MX-5 Miata | 2                    | 9TKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2569                                             | 2009       | Mazda | MX-5 Miata | 2                    | 9TKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2570                                             | 2009       | Mazda | MX-5 Miata | 2                    | 9TKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2571                                             | 2009       | Mazda | MX-5 Miata | 2                    | 9TKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2572                                             | 2010       | Mazda | 5          | 2.3                  | ATKXV02.35AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531786         | ALL              |
| 2573                                             | 2010       | Mazda | 5          | 2.3                  | ATKXV02.35AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2574                                             | 2010       | Mazda | 5          | 2.3                  | ATKXV02.35AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2575                                             | 2010       | Mazda | 5          | 2.3                  | ATKXV02.35AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2576                                             | 2010       | Mazda | 5          | 2.3                  | ATKXV02.35AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571886         | ALL              |
| 2577                                             | 2010       | Mazda | 6          | 2.5                  | ATKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531851         | AUTOMATIC        |
| 2578                                             | 2010       | Mazda | 6          | 2.5                  | ATKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2579                                             | 2010       | Mazda | 6          | 2.5                  | ATKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2580                                             | 2010       | Mazda | 6          | 2.5                  | ATKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571479         | ALL              |
| 2581                                             | 2010       | Mazda | MX-5 Miata | 2                    | ATKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2582                                             | 2010       | Mazda | MX-5 Miata | 2                    | ATKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2583                                             | 2010       | Mazda | MX-5 Miata | 2                    | ATKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2584                                             | 2010       | Mazda | MX-5 Miata | 2                    | ATKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2585                                             | 2011       | Mazda | 6          | 2.5                  | BTXKV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531851         | ALL              |
| 2586                                             | 2011       | Mazda | 6          | 2.5                  | BTXKV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2587                                             | 2011       | Mazda | 6          | 2.5                  | BTXKV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2588                                             | 2011       | Mazda | 6          | 2.5                  | BTXKV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571479         | ALL              |
| 2589                                             | 2011       | Mazda | MX-5 Miata | 2                    | BTXKV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2590                                             | 2011       | Mazda | MX-5 Miata | 2                    | BTXKV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2591                                             | 2011       | Mazda | MX-5 Miata | 2                    | BTXKV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2592                                             | 2011       | Mazda | MX-5 Miata | 2                    | BTXKV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2593                                             | 2012       | Mazda | 3          | 2                    | CTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531802         | ALL              |
| 2594                                             | 2012       | Mazda | 3          | 2                    | CTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2595                                             | 2012       | Mazda | 3          | 2                    | CTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2596                                             | 2012       | Mazda | 3          | 2                    | CTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571146         | ALL              |
| 2597                                             | 2012       | Mazda | 3          | 2.5                  | CTKXV02.55NM    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531440         | ALL              |
| 2598                                             | 2012       | Mazda | 3          | 2.5                  | CTKXV02.55NM    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2599                                             | 2012       | Mazda | 3          | 2.5                  | CTKXV02.55NM    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2600                                             | 2012       | Mazda | 3          | 2.5                  | CTKXV02.55NM    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2601                                             | 2012       | Mazda | 5          | 2.5                  | CTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531440         | ALL              |
| 2602                                             | 2012       | Mazda | 5          | 2.5                  | CTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2603                                             | 2012       | Mazda | 5          | 2.5                  | CTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2604                                             | 2012       | Mazda | 5          | 2.5                  | CTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |       |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model      | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2605                                             | 2012       | Mazda | 5          | 2.5                  | CTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571314         | ALL              |
| 2606                                             | 2012       | Mazda | 6          | 2.5                  | CTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531851         | ALL              |
| 2607                                             | 2012       | Mazda | 6          | 2.5                  | CTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2608                                             | 2012       | Mazda | 6          | 2.5                  | CTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2609                                             | 2012       | Mazda | 6          | 2.5                  | CTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571479         | ALL              |
| 2610                                             | 2012       | Mazda | MX-5 Miata | 2                    | CTKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2611                                             | 2012       | Mazda | MX-5 Miata | 2                    | CTKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2612                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531802         | ALL              |
| 2613                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05NN    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531802         | ALL              |
| 2614                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05NN    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2615                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2616                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2617                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05NN    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2618                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05NN    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571146         | ALL              |
| 2619                                             | 2013       | Mazda | 3          | 2                    | DTKXV02.05BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571146         | ALL              |
| 2620                                             | 2013       | Mazda | 3          | 2.5                  | DTKXV02.55AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531440         | ALL              |
| 2621                                             | 2013       | Mazda | 3          | 2.5                  | DTKXV02.55AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2622                                             | 2013       | Mazda | 3          | 2.5                  | DTKXV02.55AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2623                                             | 2013       | Mazda | 3          | 2.5                  | DTKXV02.55AB    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571145         | ALL              |
| 2624                                             | 2013       | Mazda | 5          | 2.5                  | DTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531440         | ALL              |
| 2625                                             | 2013       | Mazda | 5          | 2.5                  | DTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2626                                             | 2013       | Mazda | 5          | 2.5                  | DTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2627                                             | 2013       | Mazda | 5          | 2.5                  | DTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2628                                             | 2013       | Mazda | 5          | 2.5                  | DTKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571314         | ALL              |
| 2629                                             | 2013       | Mazda | 6          | 2.5                  | DTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531851         | ALL              |
| 2630                                             | 2013       | Mazda | 6          | 2.5                  | DTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2631                                             | 2013       | Mazda | 6          | 2.5                  | DTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2632                                             | 2013       | Mazda | 6          | 2.5                  | DTKXV02.55AA    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571479         | ALL              |
| 2633                                             | 2013       | Mazda | MX-5 Miata | 2                    | DTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2634                                             | 2013       | Mazda | MX-5 Miata | 2                    | DTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2635                                             | 2014       | Mazda | 5          | 2.5                  | ETKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531440         | ALL              |
| 2636                                             | 2014       | Mazda | 5          | 2.5                  | ETKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2637                                             | 2014       | Mazda | 5          | 2.5                  | ETKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2638                                             | 2014       | Mazda | 5          | 2.5                  | ETKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2639                                             | 2014       | Mazda | 5          | 2.5                  | ETKXV02.55BA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571314         | ALL              |
| 2640                                             | 2014       | Mazda | MX-5 Miata | 2                    | ETKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2641                                             | 2014       | Mazda | MX-5 Miata | 2                    | ETKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2642                                             | 2015       | Mazda | 5          | 2.5                  | FTKXV02.55BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531440         | ALL              |
| 2643                                             | 2015       | Mazda | 5          | 2.5                  | FTKXV02.55BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2644                                             | 2015       | Mazda | 5          | 2.5                  | FTKXV02.55BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2645                                             | 2015       | Mazda | 5          | 2.5                  | FTKXV02.55BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2646                                             | 2015       | Mazda | 5          | 2.5                  | FTKXV02.55BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571314         | ALL              |

| Appendix D-193-175                               |            |         |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |            |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model      | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2647                                             | 2015       | Mazda   | MX-5 Miata | 2                    | FTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531919         | ALL              |
| 2648                                             | 2015       | Mazda   | MX-5 Miata | 2                    | FTKXV02.05BB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571437         | ALL              |
| 2649                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEM    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531173         | ALL              |
| 2650                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEY    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531173         | ALL              |
| 2651                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEM    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531749         | ALL              |
| 2652                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEY    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531749         | ALL              |
| 2653                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEM    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2654                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEY    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2655                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEM    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2656                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEY    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2657                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEM    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2658                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEY    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2659                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEM    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571961         | ALL              |
| 2660                                             | 2004       | Mercury | Sable      | 3                    | 4FMXV03.0VEY    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571961         | ALL              |
| 2661                                             | 2005       | Mercury | Mariner    | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 2662                                             | 2005       | Mercury | Mariner    | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2663                                             | 2005       | Mercury | Mariner    | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2664                                             | 2005       | Mercury | Mariner    | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2665                                             | 2005       | Mercury | Mariner    | 2.3                  | 5FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 2666                                             | 2005       | Mercury | Mariner    | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 2667                                             | 2005       | Mercury | Mariner    | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2668                                             | 2005       | Mercury | Mariner    | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2669                                             | 2005       | Mercury | Mariner    | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2670                                             | 2005       | Mercury | Mariner    | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2671                                             | 2005       | Mercury | Mariner    | 3                    | 5FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2672                                             | 2005       | Mercury | Sable      | 3                    | 5FMXV03.0VEY    | LEV2 LEV            | PC           | D            | 2TWC,TWC       | 2               | 2                   | FL             | DIRECT FIT          | 5531173         | ALL              |
| 2673                                             | 2005       | Mercury | Sable      | 3                    | 5FMXV03.0VEY    | LEV2 LEV            | PC           | D            | 2TWC,TWC       | 2               | 2                   | FR             | DIRECT FIT          | 5531749         | ALL              |
| 2674                                             | 2005       | Mercury | Sable      | 3                    | 5FMXV03.0VEY    | LEV2 LEV            | PC           | D            | 2TWC,TWC       | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2675                                             | 2005       | Mercury | Sable      | 3                    | 5FMXV03.0VEY    | LEV2 LEV            | PC           | D            | 2TWC,TWC       | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2676                                             | 2005       | Mercury | Sable      | 3                    | 5FMXV03.0VEY    | LEV2 LEV            | PC           | D            | 2TWC,TWC       | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2677                                             | 2005       | Mercury | Sable      | 3                    | 5FMXV03.0VEY    | LEV2 LEV            | PC           | D            | 2TWC,TWC       | 2               | 2                   | U              | DIRECT FIT          | 5571961         | ALL              |
| 2678                                             | 2006       | Mercury | Mariner    | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 2679                                             | 2006       | Mercury | Mariner    | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2680                                             | 2006       | Mercury | Mariner    | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2681                                             | 2006       | Mercury | Mariner    | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2682                                             | 2006       | Mercury | Mariner    | 2.3                  | 6FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 2683                                             | 2006       | Mercury | Mariner    | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 2684                                             | 2006       | Mercury | Mariner    | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2685                                             | 2006       | Mercury | Mariner    | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2686                                             | 2006       | Mercury | Mariner    | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2687                                             | 2006       | Mercury | Mariner    | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2688                                             | 2006       | Mercury | Mariner    | 3                    | 6FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |

| Appendix D-193-175                               |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2689                                             | 2006       | Mercury | Milan   | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | ALL              |
| 2690                                             | 2006       | Mercury | Milan   | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | ALL              |
| 2691                                             | 2006       | Mercury | Milan   | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2692                                             | 2006       | Mercury | Milan   | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2693                                             | 2006       | Mercury | Milan   | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2694                                             | 2006       | Mercury | Milan   | 3                    | 6FMXV03.01EA    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | ALL              |
| 2695                                             | 2007       | Mercury | Mariner | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 2696                                             | 2007       | Mercury | Mariner | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2697                                             | 2007       | Mercury | Mariner | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2698                                             | 2007       | Mercury | Mariner | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2699                                             | 2007       | Mercury | Mariner | 2.3                  | 7FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 2700                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 2701                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531370         | ALL              |
| 2702                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2703                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2704                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2705                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2706                                             | 2007       | Mercury | Mariner | 3                    | 7FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2707                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 2708                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 2709                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 2710                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 2711                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 2712                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 2713                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 2714                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 2715                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 2716                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 2717                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEN    | LEV2 LEV            | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 2718                                             | 2007       | Mercury | Milan   | 3                    | 7FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 2719                                             | 2008       | Mercury | Mariner | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531382         | ALL              |
| 2720                                             | 2008       | Mercury | Mariner | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2721                                             | 2008       | Mercury | Mariner | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2722                                             | 2008       | Mercury | Mariner | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2723                                             | 2008       | Mercury | Mariner | 2.3                  | 8FMXT02.31EA    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571662         | ALL              |
| 2724                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 2725                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531376         | ALL              |
| 2726                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2727                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531298         | ALL              |
| 2728                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2729                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2730                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2731                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2732                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2733                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2734                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01EB    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2735                                             | 2008       | Mercury | Mariner | 3                    | 8FMXT03.01ED    | LEV2 LEV            | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571663         | ALL              |
| 2736                                             | 2008       | Mercury | Milan   | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 2737                                             | 2008       | Mercury | Milan   | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 2738                                             | 2008       | Mercury | Milan   | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 2739                                             | 2008       | Mercury | Milan   | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 2740                                             | 2008       | Mercury | Milan   | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 2741                                             | 2008       | Mercury | Milan   | 3                    | 8FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 2742                                             | 2009       | Mercury | Mariner | 3                    | 9FMXT03.01EN    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 2743                                             | 2009       | Mercury | Mariner | 3                    | 9FMXT03.01EN    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 2744                                             | 2009       | Mercury | Mariner | 3                    | 9FMXT03.01EN    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 2745                                             | 2009       | Mercury | Milan   | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 5531266         | FWD              |
| 2746                                             | 2009       | Mercury | Milan   | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 5531388         | FWD              |
| 2747                                             | 2009       | Mercury | Milan   | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571205         | FWD              |
| 2748                                             | 2009       | Mercury | Milan   | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571206         | FWD              |
| 2749                                             | 2009       | Mercury | Milan   | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 5571204         | FWD              |
| 2750                                             | 2009       | Mercury | Milan   | 3                    | 9FMXV03.0VEK    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571981         | FWD              |
| 2751                                             | 2010       | Mercury | Mariner | 3                    | AFMXT03.01DE    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 2752                                             | 2010       | Mercury | Mariner | 3                    | AFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 2753                                             | 2010       | Mercury | Mariner | 3                    | AFMXT03.01DE    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 2754                                             | 2010       | Mercury | Mariner | 3                    | AFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 2755                                             | 2010       | Mercury | Mariner | 3                    | AFMXT03.01DE    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 2756                                             | 2010       | Mercury | Mariner | 3                    | AFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 2757                                             | 2010       | Mercury | Milan   | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531266         | ALL              |
| 2758                                             | 2010       | Mercury | Milan   | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531889         | ALL              |
| 2759                                             | 2010       | Mercury | Milan   | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2760                                             | 2010       | Mercury | Milan   | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2761                                             | 2010       | Mercury | Milan   | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2762                                             | 2010       | Mercury | Milan   | 3                    | AFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571999         | ALL              |
| 2763                                             | 2011       | Mercury | Mariner | 3                    | BFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FL             | DIRECT FIT          | 5531686         | ALL              |
| 2764                                             | 2011       | Mercury | Mariner | 3                    | BFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531920         | ALL              |
| 2765                                             | 2011       | Mercury | Mariner | 3                    | BFMXT03.01DG    | LEV2 ULEV           | LDT1         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 5571518         | ALL              |
| 2766                                             | 2011       | Mercury | Milan   | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | F              | DIRECT FIT          | 5531266         | ALL              |
| 2767                                             | 2011       | Mercury | Milan   | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | FR             | DIRECT FIT          | 5531889         | ALL              |
| 2768                                             | 2011       | Mercury | Milan   | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2769                                             | 2011       | Mercury | Milan   | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2770                                             | 2011       | Mercury | Milan   | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2771                                             | 2011       | Mercury | Milan   | 3                    | BFMXV03.0VDF    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | U              | DIRECT FIT          | 5571999         | ALL              |
| 2772                                             | 2007       | Mini    | Cooper  | 1.6                  | 7BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |

| Appendix D-193-175                               |            |      |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|-------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |      |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make | Model             | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2773                                             | 2007       | Mini | Cooper            | 1.6                  | 7BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531351         | ALL              |
| 2774                                             | 2007       | Mini | Cooper            | 1.6                  | 7BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2775                                             | 2007       | Mini | Cooper            | 1.6                  | 7BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2776                                             | 2007       | Mini | Cooper            | 1.6                  | 7BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571029         | ALL              |
| 2777                                             | 2008       | Mini | Cooper            | 1.6                  | 8BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2778                                             | 2008       | Mini | Cooper            | 1.6                  | 8BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531351         | ALL              |
| 2779                                             | 2008       | Mini | Cooper            | 1.6                  | 8BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2780                                             | 2008       | Mini | Cooper            | 1.6                  | 8BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2781                                             | 2008       | Mini | Cooper            | 1.6                  | 8BMXV01.6UL2    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571029         | ALL              |
| 2782                                             | 2009       | Mini | Cooper            | 1.6                  | 9BMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2783                                             | 2009       | Mini | Cooper            | 1.6                  | 9BMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2784                                             | 2009       | Mini | Cooper            | 1.6                  | 9BMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2785                                             | 2009       | Mini | Cooper            | 1.6                  | 9BMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571029         | ALL              |
| 2786                                             | 2010       | Mini | Cooper            | 1.6                  | ABMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2787                                             | 2010       | Mini | Cooper            | 1.6                  | ABMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2788                                             | 2010       | Mini | Cooper            | 1.6                  | ABMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2789                                             | 2010       | Mini | Cooper            | 1.6                  | ABMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2790                                             | 2010       | Mini | Cooper            | 1.6                  | ABMXV01.6ULR    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571029         | ALL              |
| 2791                                             | 2011       | Mini | Cooper Countryman | 1.6                  | BBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2792                                             | 2011       | Mini | Cooper            | 1.6                  | BBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2793                                             | 2011       | Mini | Cooper            | 1.6                  | BBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2794                                             | 2011       | Mini | Cooper            | 1.6                  | BBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2795                                             | 2011       | Mini | Cooper            | 1.6                  | BBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571472         | ALL              |
| 2796                                             | 2012       | Mini | Cooper Countryman | 1.6                  | CBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2797                                             | 2012       | Mini | Cooper            | 1.6                  | CBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2798                                             | 2012       | Mini | Cooper            | 1.6                  | CBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2799                                             | 2012       | Mini | Cooper            | 1.6                  | CBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2800                                             | 2012       | Mini | Cooper            | 1.6                  | CBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571472         | ALL              |
| 2801                                             | 2013       | Mini | Cooper Countryman | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2802                                             | 2013       | Mini | Cooper Paceman    | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2803                                             | 2013       | Mini | Cooper Paceman    | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2804                                             | 2013       | Mini | Cooper Paceman    | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2805                                             | 2013       | Mini | Cooper Paceman    | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571488         | ALL              |
| 2806                                             | 2013       | Mini | Cooper            | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2807                                             | 2013       | Mini | Cooper            | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2808                                             | 2013       | Mini | Cooper            | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2809                                             | 2013       | Mini | Cooper            | 1.6                  | DBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571472         | ALL              |
| 2810                                             | 2014       | Mini | Cooper Countryman | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2811                                             | 2014       | Mini | Cooper Paceman    | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2812                                             | 2014       | Mini | Cooper Paceman    | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2813                                             | 2014       | Mini | Cooper Paceman    | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2814                                             | 2014       | Mini | Cooper Paceman    | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571488         | ALL              |

| Appendix D-193-175                               |            |            |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------------|-------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |            |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make       | Model             | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2815                                             | 2014       | Mini       | Cooper            | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2816                                             | 2014       | Mini       | Cooper            | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2817                                             | 2014       | Mini       | Cooper            | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2818                                             | 2014       | Mini       | Cooper            | 1.6                  | EBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571472         | ALL              |
| 2819                                             | 2015       | Mini       | Cooper Countryman | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2820                                             | 2015       | Mini       | Cooper Paceman    | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2821                                             | 2015       | Mini       | Cooper Paceman    | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2822                                             | 2015       | Mini       | Cooper Paceman    | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2823                                             | 2015       | Mini       | Cooper Paceman    | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571488         | ALL              |
| 2824                                             | 2015       | Mini       | Cooper            | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2825                                             | 2015       | Mini       | Cooper            | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2826                                             | 2015       | Mini       | Cooper            | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2827                                             | 2015       | Mini       | Cooper            | 1.6                  | FBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571472         | ALL              |
| 2828                                             | 2016       | Mini       | Cooper Countryman | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2829                                             | 2016       | Mini       | Cooper Countryman | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2830                                             | 2016       | Mini       | Cooper Countryman | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2831                                             | 2016       | Mini       | Cooper Countryman | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571488         | ALL              |
| 2832                                             | 2016       | Mini       | Cooper Paceman    | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531028         | ALL              |
| 2833                                             | 2016       | Mini       | Cooper Paceman    | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2834                                             | 2016       | Mini       | Cooper Paceman    | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2835                                             | 2016       | Mini       | Cooper Paceman    | 1.6                  | GBMXV01.6N16    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571488         | ALL              |
| 2836                                             | 2004       | Mitsubishi | Galant            | 2.4                  | 4DSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2837                                             | 2004       | Mitsubishi | Galant            | 2.4                  | 4DSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571034         | ALL              |
| 2838                                             | 2005       | Mitsubishi | Lancer            | 2                    | 5TMXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531315         | ALL              |
| 2839                                             | 2005       | Mitsubishi | Lancer            | 2                    | 5TMXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2840                                             | 2005       | Mitsubishi | Lancer            | 2                    | 5TMXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2841                                             | 2005       | Mitsubishi | Lancer            | 2                    | 5TMXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571102         | ALL              |
| 2842                                             | 2006       | Mitsubishi | Lancer            | 2                    | 6MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531315         | ALL              |
| 2843                                             | 2006       | Mitsubishi | Lancer            | 2                    | 6MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2844                                             | 2006       | Mitsubishi | Lancer            | 2                    | 6MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2845                                             | 2006       | Mitsubishi | Lancer            | 2                    | 6MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571102         | ALL              |
| 2846                                             | 2007       | Mitsubishi | Eclipse           | 2.4                  | 7DSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2847                                             | 2007       | Mitsubishi | Eclipse           | 2.4                  | 7DSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571151         | ALL              |
| 2848                                             | 2007       | Mitsubishi | Lancer            | 2                    | 7MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531315         | ALL              |
| 2849                                             | 2007       | Mitsubishi | Lancer            | 2                    | 7MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2850                                             | 2007       | Mitsubishi | Lancer            | 2                    | 7MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2851                                             | 2007       | Mitsubishi | Lancer            | 2                    | 7MTXV02.0GR4    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571102         | ALL              |
| 2852                                             | 2008       | Mitsubishi | Eclipse           | 2.4                  | 8DSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2853                                             | 2008       | Mitsubishi | Eclipse           | 2.4                  | 8DSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571151         | ALL              |
| 2854                                             | 2009       | Mitsubishi | Eclipse           | 2.4                  | 9DSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2855                                             | 2009       | Mitsubishi | Eclipse           | 2.4                  | 9DSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571151         | ALL              |
| 2856                                             | 2010       | Mitsubishi | Eclipse           | 2.4                  | ADSXV02.4G4H    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |

| Appendix D-193-175                               |            |            |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |            |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make       | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2857                                             | 2010       | Mitsubishi | Galant  | 2.4                  | ADSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2858                                             | 2010       | Mitsubishi | Galant  | 2.4                  | ADSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571034         | ALL              |
| 2859                                             | 2011       | Mitsubishi | Eclipse | 2.4                  | BDSXV02.4GR4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2860                                             | 2011       | Mitsubishi | Galant  | 2.4                  | BDSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2861                                             | 2011       | Mitsubishi | Galant  | 2.4                  | BDSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571034         | ALL              |
| 2862                                             | 2012       | Mitsubishi | Eclipse | 2.4                  | CDSXV02.4GR4    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2863                                             | 2012       | Mitsubishi | Galant  | 2.4                  | CDSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531347         | ALL              |
| 2864                                             | 2012       | Mitsubishi | Galant  | 2.4                  | CDSXV02.4GRB    | LEV2 LEV            | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571034         | ALL              |
| 2865                                             | 2004       | Nissan     | Altima  | 2.5                  | 4NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531293         | ALL              |
| 2866                                             | 2004       | Nissan     | Altima  | 2.5                  | 4NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2867                                             | 2004       | Nissan     | Altima  | 2.5                  | 4NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2868                                             | 2004       | Nissan     | Altima  | 2.5                  | 4NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2869                                             | 2004       | Nissan     | Altima  | 2.5                  | 4NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571523         | ALL              |
| 2870                                             | 2005       | Nissan     | Altima  | 2.5                  | 5NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531293         | ALL              |
| 2871                                             | 2005       | Nissan     | Altima  | 2.5                  | 5NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2872                                             | 2005       | Nissan     | Altima  | 2.5                  | 5NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2873                                             | 2005       | Nissan     | Altima  | 2.5                  | 5NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 2874                                             | 2005       | Nissan     | Altima  | 2.5                  | 5NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571523         | ALL              |
| 2875                                             | 2007       | Nissan     | Altima  | 2.5                  | 7NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2876                                             | 2007       | Nissan     | Altima  | 2.5                  | 7NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2877                                             | 2007       | Nissan     | Altima  | 2.5                  | 7NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2878                                             | 2007       | Nissan     | Altima  | 2.5                  | 7NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2879                                             | 2008       | Nissan     | Altima  | 2.5                  | 8NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2880                                             | 2008       | Nissan     | Altima  | 2.5                  | 8NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2881                                             | 2008       | Nissan     | Altima  | 2.5                  | 8NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2882                                             | 2008       | Nissan     | Altima  | 2.5                  | 8NSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2883                                             | 2008       | Nissan     | Rogue   | 2.5                  | 8NSXT02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2884                                             | 2008       | Nissan     | Rogue   | 2.5                  | 8NSXT02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2885                                             | 2008       | Nissan     | Rogue   | 2.5                  | 8NSXT02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2886                                             | 2008       | Nissan     | Rogue   | 2.5                  | 8NSXT02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2887                                             | 2009       | Nissan     | Altima  | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2888                                             | 2009       | Nissan     | Altima  | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2889                                             | 2009       | Nissan     | Altima  | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2890                                             | 2009       | Nissan     | Altima  | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2891                                             | 2009       | Nissan     | Rogue   | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2892                                             | 2009       | Nissan     | Rogue   | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2893                                             | 2009       | Nissan     | Rogue   | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2894                                             | 2009       | Nissan     | Rogue   | 2.5                  | 9NSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2895                                             | 2010       | Nissan     | Altima  | 2.5                  | ANSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2896                                             | 2010       | Nissan     | Altima  | 2.5                  | ANSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2897                                             | 2010       | Nissan     | Altima  | 2.5                  | ANSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2898                                             | 2010       | Nissan     | Altima  | 2.5                  | ANSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571504         | ALL              |

| Appendix D-193-175                               |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2899                                             | 2011       | Nissan | Altima | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2900                                             | 2011       | Nissan | Altima | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2901                                             | 2011       | Nissan | Altima | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2902                                             | 2011       | Nissan | Altima | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2903                                             | 2011       | Nissan | Rogue  | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2904                                             | 2011       | Nissan | Rogue  | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2905                                             | 2011       | Nissan | Rogue  | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2906                                             | 2011       | Nissan | Rogue  | 2.5                  | BNSXJ02.5G5A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2907                                             | 2012       | Nissan | Altima | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2908                                             | 2012       | Nissan | Altima | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2909                                             | 2012       | Nissan | Altima | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2910                                             | 2012       | Nissan | Altima | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2911                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2912                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2913                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2914                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2915                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2916                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2917                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2918                                             | 2012       | Nissan | Rogue  | 2.5                  | CNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2919                                             | 2013       | Nissan | Altima | 2.5                  | DNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2920                                             | 2013       | Nissan | Altima | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2921                                             | 2013       | Nissan | Altima | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2922                                             | 2013       | Nissan | Altima | 2.5                  | DNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2923                                             | 2013       | Nissan | Altima | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2924                                             | 2013       | Nissan | Altima | 2.5                  | DNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2925                                             | 2013       | Nissan | Altima | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2926                                             | 2013       | Nissan | Altima | 2.5                  | DNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2927                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2928                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2929                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2930                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2931                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2932                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2933                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXJ02.5G5B    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2934                                             | 2013       | Nissan | Rogue  | 2.5                  | DNSXT02.575A    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2935                                             | 2013       | Nissan | Sentra | 1.8                  | DNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531271         | ALL              |
| 2936                                             | 2013       | Nissan | Sentra | 1.8                  | DNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2937                                             | 2013       | Nissan | Sentra | 1.8                  | DNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2938                                             | 2013       | Nissan | Sentra | 1.8                  | DNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2939                                             | 2013       | Nissan | Sentra | 1.8                  | DNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571709         | ALL              |
| 2940                                             | 2014       | Nissan | Altima | 2.5                  | ENSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |

| Appendix D-193-175                               |            |        |              |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |              |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model        | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2941                                             | 2014       | Nissan | Altima       | 2.5                  | ENSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2942                                             | 2014       | Nissan | Altima       | 2.5                  | ENSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2943                                             | 2014       | Nissan | Altima       | 2.5                  | ENSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2944                                             | 2014       | Nissan | Rogue Select | 2.5                  | ENSXT02.5G5C    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2945                                             | 2014       | Nissan | Rogue Select | 2.5                  | ENSXT02.5G5C    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2946                                             | 2014       | Nissan | Rogue Select | 2.5                  | ENSXT02.5G5C    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2947                                             | 2014       | Nissan | Rogue        | 2.5                  | ENSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2948                                             | 2014       | Nissan | Rogue        | 2.5                  | ENSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2949                                             | 2014       | Nissan | Rogue        | 2.5                  | ENSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2950                                             | 2014       | Nissan | Rogue        | 2.5                  | ENSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571708         | ALL              |
| 2951                                             | 2014       | Nissan | Sentra       | 1.8                  | ENSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531271         | ALL              |
| 2952                                             | 2014       | Nissan | Sentra       | 1.8                  | ENSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2953                                             | 2014       | Nissan | Sentra       | 1.8                  | ENSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2954                                             | 2014       | Nissan | Sentra       | 1.8                  | ENSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2955                                             | 2014       | Nissan | Sentra       | 1.8                  | ENSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571709         | ALL              |
| 2956                                             | 2015       | Nissan | Altima       | 2.5                  | FNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2957                                             | 2015       | Nissan | Altima       | 2.5                  | FNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2958                                             | 2015       | Nissan | Altima       | 2.5                  | FNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2959                                             | 2015       | Nissan | Altima       | 2.5                  | FNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571504         | ALL              |
| 2960                                             | 2015       | Nissan | Rogue Select | 2.5                  | FNSXT02.5G5C    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2961                                             | 2015       | Nissan | Rogue Select | 2.5                  | FNSXT02.5G5C    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2962                                             | 2015       | Nissan | Rogue Select | 2.5                  | FNSXT02.5G5C    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571317         | ALL              |
| 2963                                             | 2015       | Nissan | Rogue        | 2.5                  | FNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2964                                             | 2015       | Nissan | Rogue        | 2.5                  | FNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2965                                             | 2015       | Nissan | Rogue        | 2.5                  | FNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2966                                             | 2015       | Nissan | Rogue        | 2.5                  | FNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571708         | ALL              |
| 2967                                             | 2015       | Nissan | Sentra       | 1.8                  | FNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531271         | ALL              |
| 2968                                             | 2015       | Nissan | Sentra       | 1.8                  | FNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2969                                             | 2015       | Nissan | Sentra       | 1.8                  | FNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2970                                             | 2015       | Nissan | Sentra       | 1.8                  | FNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2971                                             | 2015       | Nissan | Sentra       | 1.8                  | FNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571709         | ALL              |
| 2972                                             | 2016       | Nissan | Altima       | 2.5                  | GNSXV02.5G5A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2973                                             | 2016       | Nissan | Rogue        | 2.5                  | GNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531295         | ALL              |
| 2974                                             | 2016       | Nissan | Rogue        | 2.5                  | GNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2975                                             | 2016       | Nissan | Rogue        | 2.5                  | GNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2976                                             | 2016       | Nissan | Rogue        | 2.5                  | GNSXT02.5G5D    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571708         | ALL              |
| 2977                                             | 2016       | Nissan | Sentra       | 1.8                  | GNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531271         | ALL              |
| 2978                                             | 2016       | Nissan | Sentra       | 1.8                  | GNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2979                                             | 2016       | Nissan | Sentra       | 1.8                  | GNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2980                                             | 2016       | Nissan | Sentra       | 1.8                  | GNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2981                                             | 2016       | Nissan | Sentra       | 1.8                  | GNSXV01.8G1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571709         | ALL              |
| 2982                                             | 2017       | Nissan | Sentra       | 1.8                  | HNSXV01.8M1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531271         | ALL              |

| Appendix D-193-175                               |            |         |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |         |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make    | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 2983                                             | 2017       | Nissan  | Sentra | 1.8                  | HNSXV01.8M1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2984                                             | 2017       | Nissan  | Sentra | 1.8                  | HNSXV01.8M1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 2985                                             | 2017       | Nissan  | Sentra | 1.8                  | HNSXV01.8M1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2986                                             | 2017       | Nissan  | Sentra | 1.8                  | HNSXV01.8M1A    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571709         | ALL              |
| 2987                                             | 2008       | Pontiac | G6     | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | D            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 2988                                             | 2008       | Pontiac | G6     | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2989                                             | 2008       | Pontiac | G6     | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2990                                             | 2008       | Pontiac | G6     | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 2991                                             | 2009       | Pontiac | G3     | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 2992                                             | 2009       | Pontiac | G3     | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 2993                                             | 2009       | Pontiac | G3     | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 2994                                             | 2009       | Pontiac | G3     | 1.6                  | 9GDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 2995                                             | 2009       | Pontiac | G6     | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 2996                                             | 2009       | Pontiac | G6     | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 2997                                             | 2009       | Pontiac | G6     | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 2998                                             | 2009       | Pontiac | G6     | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 2999                                             | 2009       | Pontiac | Vibe   | 2.4                  | 9NTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531078         | ALL              |
| 3000                                             | 2009       | Pontiac | Vibe   | 2.4                  | 9NTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3001                                             | 2009       | Pontiac | Vibe   | 2.4                  | 9NTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3002                                             | 2009       | Pontiac | Vibe   | 2.4                  | 9NTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571502         | ALL              |
| 3003                                             | 2009       | Pontiac | Vibe   | 2.4                  | 9NTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3004                                             | 2010       | Pontiac | G3     | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531062         | ALL              |
| 3005                                             | 2010       | Pontiac | G3     | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3006                                             | 2010       | Pontiac | G3     | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3007                                             | 2010       | Pontiac | G3     | 1.6                  | AGDXV01.6004    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571469         | ALL              |
| 3008                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4033    | LEV1 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3009                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3010                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3011                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4033    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3012                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4033    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3013                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3014                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4027    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3015                                             | 2010       | Pontiac | G6     | 2.4                  | AGMXV02.4033    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3016                                             | 2010       | Pontiac | Vibe   | 2.4                  | ANTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531078         | ALL              |
| 3017                                             | 2010       | Pontiac | Vibe   | 2.4                  | ANTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3018                                             | 2010       | Pontiac | Vibe   | 2.4                  | ANTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3019                                             | 2010       | Pontiac | Vibe   | 2.4                  | ANTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571502         | ALL              |
| 3020                                             | 2010       | Pontiac | Vibe   | 2.4                  | ANTXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3021                                             | 2006       | Saab    | 9-2X   | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3022                                             | 2006       | Saab    | 9-2X   | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3023                                             | 2006       | Saab    | 9-2X   | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3024                                             | 2006       | Saab    | 9-2X   | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571448         | ALL              |

**Appendix D-193-175**

**Car Sound Exhaust System, Inc. 5531000 / 5571000**

| No.  | Model Year | Make   | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
|------|------------|--------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| 3025 | 2007       | Saturn | Aura  | 2.4                  | 7GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3026 | 2007       | Saturn | Aura  | 2.4                  | 7GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3027 | 2007       | Saturn | Aura  | 2.4                  | 7GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3028 | 2007       | Saturn | Aura  | 2.4                  | 7GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3029 | 2008       | Saturn | Astra | 1.8                  | 8GMXV01.8001    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531150         | ALL              |
| 3030 | 2008       | Saturn | Astra | 1.8                  | 8GMXV01.8001    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3031 | 2008       | Saturn | Astra | 1.8                  | 8GMXV01.8001    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3032 | 2008       | Saturn | Astra | 1.8                  | 8GMXV01.8001    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571475         | ALL              |
| 3033 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3034 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3035 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3036 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3037 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3038 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3039 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3040 | 2008       | Saturn | Aura  | 2.4                  | 8GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3041 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3042 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531060         | ALL              |
| 3043 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3044 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3045 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3046 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3047 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4040    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3048 | 2009       | Saturn | Aura  | 2.4                  | 9GMXV02.4027    | LEV2 LEV            | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571623         | ALL              |
| 3049 | 2007       | Scion  | tC    | 2.4                  | 7TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3050 | 2007       | Scion  | tC    | 2.4                  | 7TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3051 | 2007       | Scion  | tC    | 2.4                  | 7TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3052 | 2007       | Scion  | tC    | 2.4                  | 7TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571156         | ALL              |
| 3053 | 2008       | Scion  | tC    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3054 | 2008       | Scion  | tC    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3055 | 2008       | Scion  | tC    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3056 | 2008       | Scion  | tC    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571156         | ALL              |
| 3057 | 2008       | Scion  | xB    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3058 | 2008       | Scion  | xB    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3059 | 2008       | Scion  | xB    | 2.4                  | 8TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3060 | 2009       | Scion  | tC    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3061 | 2009       | Scion  | tC    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3062 | 2009       | Scion  | tC    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3063 | 2009       | Scion  | tC    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571156         | ALL              |
| 3064 | 2009       | Scion  | xB    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3065 | 2009       | Scion  | xB    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3066 | 2009       | Scion  | xB    | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|-------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |       |       |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make  | Model | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3067                                             | 2010       | Scion | tC    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3068                                             | 2010       | Scion | tC    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3069                                             | 2010       | Scion | tC    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3070                                             | 2010       | Scion | tC    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571156         | ALL              |
| 3071                                             | 2010       | Scion | xB    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3072                                             | 2010       | Scion | xB    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3073                                             | 2010       | Scion | xB    | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3074                                             | 2011       | Scion | tC    | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3075                                             | 2011       | Scion | tC    | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3076                                             | 2011       | Scion | tC    | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3077                                             | 2011       | Scion | tC    | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571462         | ALL              |
| 3078                                             | 2011       | Scion | xB    | 2.4                  | BTYXV02.4BEC    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3079                                             | 2011       | Scion | xB    | 2.4                  | BTYXV02.4BEC    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3080                                             | 2011       | Scion | xB    | 2.4                  | BTYXV02.4BEC    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3081                                             | 2012       | Scion | tC    | 2.5                  | CTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3082                                             | 2012       | Scion | tC    | 2.5                  | CTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3083                                             | 2012       | Scion | tC    | 2.5                  | CTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3084                                             | 2012       | Scion | tC    | 2.5                  | CTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571462         | ALL              |
| 3085                                             | 2012       | Scion | xB    | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3086                                             | 2012       | Scion | xB    | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3087                                             | 2012       | Scion | xB    | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3088                                             | 2012       | Scion | xB    | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571189         | ALL              |
| 3089                                             | 2013       | Scion | FR-S  | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3090                                             | 2013       | Scion | FR-S  | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3091                                             | 2013       | Scion | FR-S  | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3092                                             | 2013       | Scion | FR-S  | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3093                                             | 2013       | Scion | FR-S  | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3094                                             | 2013       | Scion | tC    | 2.5                  | DTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3095                                             | 2013       | Scion | tC    | 2.5                  | DTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3096                                             | 2013       | Scion | tC    | 2.5                  | DTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3097                                             | 2013       | Scion | tC    | 2.5                  | DTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571462         | ALL              |
| 3098                                             | 2013       | Scion | xB    | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3099                                             | 2013       | Scion | xB    | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3100                                             | 2013       | Scion | xB    | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3101                                             | 2013       | Scion | xB    | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571189         | ALL              |
| 3102                                             | 2014       | Scion | FR-S  | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3103                                             | 2014       | Scion | FR-S  | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3104                                             | 2014       | Scion | FR-S  | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3105                                             | 2014       | Scion | FR-S  | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3106                                             | 2014       | Scion | FR-S  | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3107                                             | 2014       | Scion | tC    | 2.5                  | ETYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3108                                             | 2014       | Scion | tC    | 2.5                  | ETYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |        |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3109                                             | 2014       | Scion  | tC       | 2.5                  | ETYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3110                                             | 2014       | Scion  | tC       | 2.5                  | ETYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571462         | ALL              |
| 3111                                             | 2014       | Scion  | xB       | 2.4                  | ETYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3112                                             | 2014       | Scion  | xB       | 2.4                  | ETYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3113                                             | 2014       | Scion  | xB       | 2.4                  | ETYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3114                                             | 2014       | Scion  | xB       | 2.4                  | ETYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571189         | ALL              |
| 3115                                             | 2015       | Scion  | FR-S     | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3116                                             | 2015       | Scion  | FR-S     | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3117                                             | 2015       | Scion  | FR-S     | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3118                                             | 2015       | Scion  | FR-S     | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3119                                             | 2015       | Scion  | FR-S     | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3120                                             | 2015       | Scion  | tC       | 2.5                  | FTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3121                                             | 2015       | Scion  | tC       | 2.5                  | FTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3122                                             | 2015       | Scion  | tC       | 2.5                  | FTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3123                                             | 2015       | Scion  | tC       | 2.5                  | FTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571462         | ALL              |
| 3124                                             | 2015       | Scion  | xB       | 2.4                  | FTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3125                                             | 2015       | Scion  | xB       | 2.4                  | FTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3126                                             | 2015       | Scion  | xB       | 2.4                  | FTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3127                                             | 2015       | Scion  | xB       | 2.4                  | FTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571189         | ALL              |
| 3128                                             | 2016       | Scion  | FR-S     | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3129                                             | 2016       | Scion  | FR-S     | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3130                                             | 2016       | Scion  | FR-S     | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3131                                             | 2016       | Scion  | FR-S     | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3132                                             | 2016       | Scion  | FR-S     | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3133                                             | 2016       | Scion  | tC       | 2.5                  | GTXYV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3134                                             | 2016       | Scion  | tC       | 2.5                  | GTXYV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3135                                             | 2016       | Scion  | tC       | 2.5                  | GTXYV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3136                                             | 2016       | Scion  | tC       | 2.5                  | GTXYV02.5BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571462         | ALL              |
| 3137                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3138                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3139                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3140                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXX02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3141                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3142                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3143                                             | 2006       | Subaru | Forester | 2.5                  | 6FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571277         | ALL              |
| 3144                                             | 2006       | Subaru | Impreza  | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3145                                             | 2006       | Subaru | Impreza  | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3146                                             | 2006       | Subaru | Impreza  | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3147                                             | 2006       | Subaru | Impreza  | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3148                                             | 2006       | Subaru | Impreza  | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3149                                             | 2006       | Subaru | Impreza  | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571277         | ALL              |
| 3150                                             | 2006       | Subaru | Legacy   | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |

| Appendix D-193-175                               |            |        |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3151                                             | 2006       | Subaru | Legacy   | 2.5                  | 6FJXX02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3152                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3153                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3154                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3155                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3156                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3157                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3158                                             | 2007       | Subaru | Forester | 2.5                  | 7FJXB02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571277         | ALL              |
| 3159                                             | 2007       | Subaru | Impreza  | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3160                                             | 2007       | Subaru | Impreza  | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3161                                             | 2007       | Subaru | Impreza  | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3162                                             | 2007       | Subaru | Impreza  | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3163                                             | 2007       | Subaru | Impreza  | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3164                                             | 2007       | Subaru | Impreza  | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571277         | ALL              |
| 3165                                             | 2007       | Subaru | Legacy   | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3166                                             | 2007       | Subaru | Legacy   | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3167                                             | 2007       | Subaru | Legacy   | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3168                                             | 2007       | Subaru | Legacy   | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3169                                             | 2007       | Subaru | Legacy   | 2.5                  | 7FJXB02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3170                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3171                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3172                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3173                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3174                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3175                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5MTC    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3176                                             | 2008       | Subaru | Forester | 2.5                  | 8FJXV02.5PRA    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571277         | ALL              |
| 3177                                             | 2008       | Subaru | Impreza  | 2.5                  | 8FJXB02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3178                                             | 2008       | Subaru | Impreza  | 2.5                  | 8FJXB02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3179                                             | 2008       | Subaru | Impreza  | 2.5                  | 8FJXB02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3180                                             | 2008       | Subaru | Impreza  | 2.5                  | 8FJXB02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3181                                             | 2008       | Subaru | Legacy   | 2.5                  | 8FJXB02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3182                                             | 2008       | Subaru | Legacy   | 2.5                  | 8FJXB02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3183                                             | 2009       | Subaru | Forester | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3184                                             | 2009       | Subaru | Forester | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3185                                             | 2009       | Subaru | Forester | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3186                                             | 2009       | Subaru | Forester | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3187                                             | 2009       | Subaru | Impreza  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3188                                             | 2009       | Subaru | Impreza  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3189                                             | 2009       | Subaru | Impreza  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3190                                             | 2009       | Subaru | Impreza  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3191                                             | 2009       | Subaru | Legacy   | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3192                                             | 2009       | Subaru | Legacy   | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |

| Appendix D-193-175                               |            |        |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model    | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3193                                             | 2009       | Subaru | Legacy   | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3194                                             | 2009       | Subaru | Legacy   | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3195                                             | 2009       | Subaru | Outback  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3196                                             | 2009       | Subaru | Outback  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3197                                             | 2009       | Subaru | Outback  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3198                                             | 2009       | Subaru | Outback  | 2.5                  | 9FJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3199                                             | 2010       | Subaru | Forester | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3200                                             | 2010       | Subaru | Forester | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3201                                             | 2010       | Subaru | Forester | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3202                                             | 2010       | Subaru | Forester | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3203                                             | 2010       | Subaru | Impreza  | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3204                                             | 2010       | Subaru | Impreza  | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3205                                             | 2010       | Subaru | Impreza  | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3206                                             | 2010       | Subaru | Impreza  | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3207                                             | 2010       | Subaru | Legacy   | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3208                                             | 2010       | Subaru | Legacy   | 2.5                  | AFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3209                                             | 2011       | Subaru | Forester | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3210                                             | 2011       | Subaru | Forester | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3211                                             | 2011       | Subaru | Impreza  | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3212                                             | 2011       | Subaru | Impreza  | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3213                                             | 2011       | Subaru | Impreza  | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3214                                             | 2011       | Subaru | Impreza  | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571448         | ALL              |
| 3215                                             | 2011       | Subaru | Legacy   | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531447         | ALL              |
| 3216                                             | 2011       | Subaru | Legacy   | 2.5                  | BFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | UNIVERSAL           | 5571176         | ALL              |
| 3217                                             | 2012       | Subaru | Forester | 2.5                  | CFJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3218                                             | 2012       | Subaru | Forester | 2.5                  | CFJXJ02.5MXG    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3219                                             | 2012       | Subaru | Impreza  | 2                    | CFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3220                                             | 2012       | Subaru | Impreza  | 2                    | CFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3221                                             | 2012       | Subaru | Impreza  | 2                    | CFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3222                                             | 2012       | Subaru | Impreza  | 2                    | CFJXJ02.5MXG    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | ALL              |
| 3223                                             | 2013       | Subaru | BRZ      | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3224                                             | 2013       | Subaru | BRZ      | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3225                                             | 2013       | Subaru | BRZ      | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3226                                             | 2013       | Subaru | BRZ      | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3227                                             | 2013       | Subaru | BRZ      | 2                    | DFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3228                                             | 2013       | Subaru | Forester | 2.5                  | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3229                                             | 2013       | Subaru | Forester | 2.5                  | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3230                                             | 2013       | Subaru | Impreza  | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3231                                             | 2013       | Subaru | Impreza  | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3232                                             | 2013       | Subaru | Impreza  | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3233                                             | 2013       | Subaru | Impreza  | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | ALL              |
| 3234                                             | 2013       | Subaru | Legacy   | 2.5                  | DFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |

| Appendix D-193-175                               |            |        |              |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |              |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model        | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3235                                             | 2013       | Subaru | Legacy       | 2.5                  | DFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3236                                             | 2013       | Subaru | Outback      | 2.5                  | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3237                                             | 2013       | Subaru | Outback      | 2.5                  | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3238                                             | 2013       | Subaru | XV Crosstrek | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3239                                             | 2013       | Subaru | XV Crosstrek | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | Automatic        |
| 3240                                             | 2013       | Subaru | XV Crosstrek | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | Automatic        |
| 3241                                             | 2013       | Subaru | XV Crosstrek | 2                    | DFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | Automatic        |
| 3242                                             | 2014       | Subaru | BRZ          | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3243                                             | 2014       | Subaru | BRZ          | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3244                                             | 2014       | Subaru | BRZ          | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3245                                             | 2014       | Subaru | BRZ          | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3246                                             | 2014       | Subaru | BRZ          | 2                    | EFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3247                                             | 2014       | Subaru | Forester     | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3248                                             | 2014       | Subaru | Forester     | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3249                                             | 2014       | Subaru | Forester     | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3250                                             | 2014       | Subaru | Forester     | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | ALL              |
| 3251                                             | 2014       | Subaru | Impreza      | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3252                                             | 2014       | Subaru | Impreza      | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3253                                             | 2014       | Subaru | Impreza      | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3254                                             | 2014       | Subaru | Impreza      | 2                    | EFJXV02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | ALL              |
| 3255                                             | 2014       | Subaru | Legacy       | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3256                                             | 2014       | Subaru | Legacy       | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 1                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3257                                             | 2014       | Subaru | Outback      | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3258                                             | 2014       | Subaru | Outback      | 2.5                  | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571510         | ALL              |
| 3259                                             | 2014       | Subaru | XV Crosstrek | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3260                                             | 2014       | Subaru | XV Crosstrek | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | Automatic        |
| 3261                                             | 2014       | Subaru | XV Crosstrek | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | Automatic        |
| 3262                                             | 2014       | Subaru | XV Crosstrek | 2                    | EFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | Automatic        |
| 3263                                             | 2015       | Subaru | BRZ          | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3264                                             | 2015       | Subaru | BRZ          | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3265                                             | 2015       | Subaru | BRZ          | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3266                                             | 2015       | Subaru | BRZ          | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3267                                             | 2015       | Subaru | BRZ          | 2                    | FFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3268                                             | 2015       | Subaru | Forester     | 2.5                  | FFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531587         | ALL              |
| 3269                                             | 2015       | Subaru | Forester     | 2.5                  | FFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3270                                             | 2015       | Subaru | Forester     | 2.5                  | FFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3271                                             | 2015       | Subaru | Forester     | 2.5                  | FFJXJ02.5MLP    | LEV2 LEV            | LDT1         | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571217         | ALL              |
| 3272                                             | 2016       | Subaru | BRZ          | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3273                                             | 2016       | Subaru | BRZ          | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3274                                             | 2016       | Subaru | BRZ          | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3275                                             | 2016       | Subaru | BRZ          | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3276                                             | 2016       | Subaru | BRZ          | 2                    | GFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |

| Appendix D-193-175                               |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3277                                             | 2004       | Toyota | Camry  | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3278                                             | 2004       | Toyota | Camry  | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3279                                             | 2004       | Toyota | Camry  | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3280                                             | 2004       | Toyota | Camry  | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571988         | ALL              |
| 3281                                             | 2004       | Toyota | Camry  | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3282                                             | 2004       | Toyota | Camry  | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3283                                             | 2004       | Toyota | Camry  | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3284                                             | 2004       | Toyota | Camry  | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3285                                             | 2004       | Toyota | Camry  | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3286                                             | 2004       | Toyota | Solara | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3287                                             | 2004       | Toyota | Solara | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3288                                             | 2004       | Toyota | Solara | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3289                                             | 2004       | Toyota | Solara | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3290                                             | 2004       | Toyota | Solara | 2.4                  | 4TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571250         | ALL              |
| 3291                                             | 2004       | Toyota | Solara | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3292                                             | 2004       | Toyota | Solara | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3293                                             | 2004       | Toyota | Solara | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3294                                             | 2004       | Toyota | Solara | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3295                                             | 2004       | Toyota | Solara | 3.3                  | 4TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3296                                             | 2005       | Toyota | Avalon | 3.5                  | 5TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3297                                             | 2005       | Toyota | Avalon | 3.5                  | 5TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3298                                             | 2005       | Toyota | Avalon | 3.5                  | 5TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3299                                             | 2005       | Toyota | Avalon | 3.5                  | 5TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3300                                             | 2005       | Toyota | Camry  | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3301                                             | 2005       | Toyota | Camry  | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3302                                             | 2005       | Toyota | Camry  | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3303                                             | 2005       | Toyota | Camry  | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571988         | ALL              |
| 3304                                             | 2005       | Toyota | Camry  | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3305                                             | 2005       | Toyota | Camry  | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3306                                             | 2005       | Toyota | Camry  | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3307                                             | 2005       | Toyota | Camry  | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3308                                             | 2005       | Toyota | Camry  | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3309                                             | 2005       | Toyota | Solara | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3310                                             | 2005       | Toyota | Solara | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3311                                             | 2005       | Toyota | Solara | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3312                                             | 2005       | Toyota | Solara | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3313                                             | 2005       | Toyota | Solara | 2.4                  | 5TYXV02.4PEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571250         | ALL              |
| 3314                                             | 2005       | Toyota | Solara | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3315                                             | 2005       | Toyota | Solara | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3316                                             | 2005       | Toyota | Solara | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3317                                             | 2005       | Toyota | Solara | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3318                                             | 2005       | Toyota | Solara | 3.3                  | 5TYXV03.3PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |

| Appendix D-193-175                               |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3319                                             | 2006       | Toyota | Avalon | 3.5                  | 6TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3320                                             | 2006       | Toyota | Avalon | 3.5                  | 6TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3321                                             | 2006       | Toyota | Avalon | 3.5                  | 6TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3322                                             | 2006       | Toyota | Avalon | 3.5                  | 6TYXV03.5PEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3323                                             | 2006       | Toyota | Camry  | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3324                                             | 2006       | Toyota | Camry  | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3325                                             | 2006       | Toyota | Camry  | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3326                                             | 2006       | Toyota | Camry  | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571988         | ALL              |
| 3327                                             | 2006       | Toyota | Camry  | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3328                                             | 2006       | Toyota | Camry  | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3329                                             | 2006       | Toyota | Camry  | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3330                                             | 2006       | Toyota | Camry  | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3331                                             | 2006       | Toyota | Camry  | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3332                                             | 2006       | Toyota | RAV4   | 2.4                  | 6TYXT02.4PEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3333                                             | 2006       | Toyota | RAV4   | 2.4                  | 6TYXT02.4PEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571559         | ALL              |
| 3334                                             | 2006       | Toyota | RAV4   | 2.4                  | 6TYXT02.4PEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3335                                             | 2006       | Toyota | RAV4   | 2.4                  | 6TYXT02.4PEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3336                                             | 2006       | Toyota | RAV4   | 2.4                  | 6TYXT02.4PEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3337                                             | 2006       | Toyota | Solara | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3338                                             | 2006       | Toyota | Solara | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3339                                             | 2006       | Toyota | Solara | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3340                                             | 2006       | Toyota | Solara | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3341                                             | 2006       | Toyota | Solara | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571250         | ALL              |
| 3342                                             | 2006       | Toyota | Solara | 2.4                  | 6TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571556         | ALL              |
| 3343                                             | 2006       | Toyota | Solara | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3344                                             | 2006       | Toyota | Solara | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3345                                             | 2006       | Toyota | Solara | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3346                                             | 2006       | Toyota | Solara | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3347                                             | 2006       | Toyota | Solara | 3.3                  | 6TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3348                                             | 2007       | Toyota | Avalon | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3349                                             | 2007       | Toyota | Avalon | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3350                                             | 2007       | Toyota | Avalon | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3351                                             | 2007       | Toyota | Avalon | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3352                                             | 2007       | Toyota | Camry  | 2.4                  | 7TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3353                                             | 2007       | Toyota | Camry  | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3354                                             | 2007       | Toyota | Camry  | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3355                                             | 2007       | Toyota | Camry  | 3.5                  | 7TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3356                                             | 2007       | Toyota | RAV4   | 2.4                  | 7TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3357                                             | 2007       | Toyota | RAV4   | 2.4                  | 7TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571559         | ALL              |
| 3358                                             | 2007       | Toyota | RAV4   | 2.4                  | 7TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3359                                             | 2007       | Toyota | RAV4   | 2.4                  | 7TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3360                                             | 2007       | Toyota | RAV4   | 2.4                  | 7TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |        |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3361                                             | 2007       | Toyota | Solara  | 2.4                  | 7TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3362                                             | 2007       | Toyota | Solara  | 2.4                  | 7TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3363                                             | 2007       | Toyota | Solara  | 2.4                  | 7TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3364                                             | 2007       | Toyota | Solara  | 2.4                  | 7TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3365                                             | 2007       | Toyota | Solara  | 2.4                  | 7TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571556         | ALL              |
| 3366                                             | 2007       | Toyota | Solara  | 3.3                  | 7TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3367                                             | 2007       | Toyota | Solara  | 3.3                  | 7TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3368                                             | 2007       | Toyota | Solara  | 3.3                  | 7TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3369                                             | 2007       | Toyota | Solara  | 3.3                  | 7TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3370                                             | 2007       | Toyota | Solara  | 3.3                  | 7TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3371                                             | 2008       | Toyota | Avalon  | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3372                                             | 2008       | Toyota | Avalon  | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3373                                             | 2008       | Toyota | Avalon  | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3374                                             | 2008       | Toyota | Camry   | 2.4                  | 8TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3375                                             | 2008       | Toyota | Camry   | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3376                                             | 2008       | Toyota | Camry   | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3377                                             | 2008       | Toyota | Camry   | 3.5                  | 8TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3378                                             | 2008       | Toyota | RAV4    | 2.4                  | 8TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531267         | ALL              |
| 3379                                             | 2008       | Toyota | RAV4    | 2.4                  | 8TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 5571559         | ALL              |
| 3380                                             | 2008       | Toyota | RAV4    | 2.4                  | 8TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3381                                             | 2008       | Toyota | RAV4    | 2.4                  | 8TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3382                                             | 2008       | Toyota | RAV4    | 2.4                  | 8TYXT02.4BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3383                                             | 2008       | Toyota | Solara  | 2.4                  | 8TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3384                                             | 2008       | Toyota | Solara  | 2.4                  | 8TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3385                                             | 2008       | Toyota | Solara  | 2.4                  | 8TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3386                                             | 2008       | Toyota | Solara  | 2.4                  | 8TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3387                                             | 2008       | Toyota | Solara  | 2.4                  | 8TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571556         | ALL              |
| 3388                                             | 2008       | Toyota | Solara  | 3.3                  | 8TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | F              | DIRECT FIT          | 5531398         | ALL              |
| 3389                                             | 2008       | Toyota | Solara  | 3.3                  | 8TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531610         | ALL              |
| 3390                                             | 2008       | Toyota | Solara  | 3.3                  | 8TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3391                                             | 2008       | Toyota | Solara  | 3.3                  | 8TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3392                                             | 2008       | Toyota | Solara  | 3.3                  | 8TYXV03.3BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | U              | DIRECT FIT          | 5571754         | ALL              |
| 3393                                             | 2009       | Toyota | Avalon  | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3394                                             | 2009       | Toyota | Avalon  | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3395                                             | 2009       | Toyota | Avalon  | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3396                                             | 2009       | Toyota | Camry   | 2.4                  | 9TYXV02.4BEA    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531291         | ALL              |
| 3397                                             | 2009       | Toyota | Camry   | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3398                                             | 2009       | Toyota | Camry   | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3399                                             | 2009       | Toyota | Camry   | 3.5                  | 9TYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3400                                             | 2009       | Toyota | Corolla | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3401                                             | 2009       | Toyota | Corolla | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3402                                             | 2009       | Toyota | Corolla | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |

| Appendix D-193-175                               |            |        |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model   | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3403                                             | 2009       | Toyota | Corolla | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571501         | ALL              |
| 3404                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3405                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 3406                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | FWD              |
| 3407                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 3408                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | FWD              |
| 3409                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571502         | FWD              |
| 3410                                             | 2009       | Toyota | Matrix  | 2.4                  | 9TYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3411                                             | 2009       | Toyota | RAV4    | 2.5                  | 9TYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3412                                             | 2009       | Toyota | RAV4    | 2.5                  | 9TYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3413                                             | 2009       | Toyota | RAV4    | 2.5                  | 9TYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3414                                             | 2009       | Toyota | RAV4    | 2.5                  | 9TYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3415                                             | 2009       | Toyota | RAV4    | 2.5                  | 9TYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571544         | ALL              |
| 3416                                             | 2010       | Toyota | Avalon  | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3417                                             | 2010       | Toyota | Avalon  | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3418                                             | 2010       | Toyota | Avalon  | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3419                                             | 2010       | Toyota | Camry   | 2.5                  | ATYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531800         | ALL              |
| 3420                                             | 2010       | Toyota | Camry   | 2.5                  | ATYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3421                                             | 2010       | Toyota | Camry   | 2.5                  | ATYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3422                                             | 2010       | Toyota | Camry   | 2.5                  | ATYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3423                                             | 2010       | Toyota | Camry   | 2.5                  | ATYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571435         | ALL              |
| 3424                                             | 2010       | Toyota | Camry   | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3425                                             | 2010       | Toyota | Camry   | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3426                                             | 2010       | Toyota | Camry   | 3.5                  | ATYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3427                                             | 2010       | Toyota | Corolla | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3428                                             | 2010       | Toyota | Corolla | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3429                                             | 2010       | Toyota | Corolla | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3430                                             | 2010       | Toyota | Corolla | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571501         | ALL              |
| 3431                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3432                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 3433                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | FWD              |
| 3434                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 3435                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | FWD              |
| 3436                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571502         | FWD              |
| 3437                                             | 2010       | Toyota | Matrix  | 2.4                  | ATYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3438                                             | 2010       | Toyota | RAV4    | 2.5                  | ATYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3439                                             | 2010       | Toyota | RAV4    | 2.5                  | ATYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3440                                             | 2010       | Toyota | RAV4    | 2.5                  | ATYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3441                                             | 2010       | Toyota | RAV4    | 2.5                  | ATYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3442                                             | 2010       | Toyota | RAV4    | 2.5                  | ATYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571544         | ALL              |
| 3443                                             | 2011       | Toyota | Avalon  | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3444                                             | 2011       | Toyota | Avalon  | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |

| Appendix D-193-175                               |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3445                                             | 2011       | Toyota | Avalon | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3446                                             | 2011       | Toyota | Camry  | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531800         | ALL              |
| 3447                                             | 2011       | Toyota | Camry  | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3448                                             | 2011       | Toyota | Camry  | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3449                                             | 2011       | Toyota | Camry  | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3450                                             | 2011       | Toyota | Camry  | 2.5                  | BTYXV02.5BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571435         | ALL              |
| 3451                                             | 2011       | Toyota | Camry  | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3452                                             | 2011       | Toyota | Camry  | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3453                                             | 2011       | Toyota | Camry  | 3.5                  | BTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3454                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3455                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 3456                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | FWD              |
| 3457                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 3458                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | FWD              |
| 3459                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571502         | FWD              |
| 3460                                             | 2011       | Toyota | Matrix | 2.4                  | BTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3461                                             | 2011       | Toyota | RAV4   | 2.5                  | BTYXT02.5BEM    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3462                                             | 2011       | Toyota | RAV4   | 2.5                  | BTYXT02.5BEM    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3463                                             | 2011       | Toyota | RAV4   | 2.5                  | BTYXT02.5BEM    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3464                                             | 2011       | Toyota | RAV4   | 2.5                  | BTYXT02.5BEM    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3465                                             | 2011       | Toyota | RAV4   | 2.5                  | BTYXT02.5BEM    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571544         | ALL              |
| 3466                                             | 2012       | Toyota | Avalon | 3.5                  | CTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3467                                             | 2012       | Toyota | Avalon | 3.5                  | CTYXV03.5BEA    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3468                                             | 2012       | Toyota | Camry  | 2.5                  | CTYXV02.5BED    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531519         | ALL              |
| 3469                                             | 2012       | Toyota | Camry  | 2.5                  | CTYXV02.5BED    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3470                                             | 2012       | Toyota | Camry  | 2.5                  | CTYXV02.5BED    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3471                                             | 2012       | Toyota | Camry  | 2.5                  | CTYXV02.5BED    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3472                                             | 2012       | Toyota | Camry  | 2.5                  | CTYXV02.5BED    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571095         | ALL              |
| 3473                                             | 2012       | Toyota | Camry  | 3.5                  | CTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3474                                             | 2012       | Toyota | Camry  | 3.5                  | CTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3475                                             | 2012       | Toyota | Camry  | 3.5                  | CTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2WU-TWC,TWC    | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3476                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3477                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 3478                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571205         | FWD              |
| 3479                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 3480                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | UNIVERSAL           | 5571206         | FWD              |
| 3481                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571502         | FWD              |
| 3482                                             | 2012       | Toyota | Matrix | 2.4                  | CTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | WU-TWC,TWC     | 2               | 2                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3483                                             | 2012       | Toyota | RAV4   | 2.5                  | CTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 5531327         | ALL              |
| 3484                                             | 2012       | Toyota | RAV4   | 2.5                  | CTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3485                                             | 2012       | Toyota | RAV4   | 2.5                  | CTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3486                                             | 2012       | Toyota | RAV4   | 2.5                  | CTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |

| Appendix D-193-175                               |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3487                                             | 2012       | Toyota | RAV4   | 2.5                  | CTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 5571544         | ALL              |
| 3488                                             | 2013       | Toyota | Avalon | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3489                                             | 2013       | Toyota | Avalon | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3490                                             | 2013       | Toyota | Avalon | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3491                                             | 2013       | Toyota | Camry  | 2.5                  | DTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531519         | ALL              |
| 3492                                             | 2013       | Toyota | Camry  | 2.5                  | DTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3493                                             | 2013       | Toyota | Camry  | 2.5                  | DTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3494                                             | 2013       | Toyota | Camry  | 2.5                  | DTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3495                                             | 2013       | Toyota | Camry  | 2.5                  | DTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571095         | ALL              |
| 3496                                             | 2013       | Toyota | Camry  | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3497                                             | 2013       | Toyota | Camry  | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3498                                             | 2013       | Toyota | Camry  | 3.5                  | DTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3499                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531292         | ALL              |
| 3500                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | AWD              |
| 3501                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | FWD              |
| 3502                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | AWD              |
| 3503                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | FWD              |
| 3504                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571502         | FWD              |
| 3505                                             | 2013       | Toyota | Matrix | 2.4                  | DTYXV02.4BEB    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571501         | AWD              |
| 3506                                             | 2013       | Toyota | RAV4   | 2.5                  | DTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531542         | ALL              |
| 3507                                             | 2013       | Toyota | RAV4   | 2.5                  | DTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3508                                             | 2013       | Toyota | RAV4   | 2.5                  | DTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3509                                             | 2013       | Toyota | RAV4   | 2.5                  | DTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3510                                             | 2013       | Toyota | RAV4   | 2.5                  | DTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571541         | ALL              |
| 3511                                             | 2013       | Toyota | RAV4   | 2.5                  | DTYXT02.5BEH    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571543         | ALL              |
| 3512                                             | 2014       | Toyota | Avalon | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3513                                             | 2014       | Toyota | Avalon | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3514                                             | 2014       | Toyota | Avalon | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3515                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531519         | ALL              |
| 3516                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531519         | ALL              |
| 3517                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3518                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3519                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3520                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3521                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3522                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3523                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571095         | ALL              |
| 3524                                             | 2014       | Toyota | Camry  | 2.5                  | ETYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571095         | ALL              |
| 3525                                             | 2014       | Toyota | Camry  | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3526                                             | 2014       | Toyota | Camry  | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3527                                             | 2014       | Toyota | Camry  | 3.5                  | ETYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3528                                             | 2014       | Toyota | RAV4   | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531542         | ALL              |

| Appendix D-193-175                               |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|--------|--------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 5531000 / 5571000 |            |        |        |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| No.                                              | Model Year | Make   | Model  | Engine Size (liters) | Test Group Name | Certification Level | Weight Class | Exhaust Type | Converter Type | Total Converter | Monitored Converter | Conv. Location | Converter Part Type | MFR Part Number | Application Type |
| 3529                                             | 2014       | Toyota | RAV4   | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3530                                             | 2014       | Toyota | RAV4   | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3531                                             | 2014       | Toyota | RAV4   | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3532                                             | 2014       | Toyota | RAV4   | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571541         | ALL              |
| 3533                                             | 2014       | Toyota | RAV4   | 2.5                  | ETYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571543         | ALL              |
| 3534                                             | 2015       | Toyota | Avalon | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3535                                             | 2015       | Toyota | Avalon | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3536                                             | 2015       | Toyota | Avalon | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3537                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531519         | ALL              |
| 3538                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531519         | ALL              |
| 3539                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3540                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3541                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3542                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3543                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3544                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3545                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571095         | ALL              |
| 3546                                             | 2015       | Toyota | Camry  | 2.5                  | FTYXV02.5BED    | LEV2 ULEV           | PC           | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571095         | ALL              |
| 3547                                             | 2015       | Toyota | Camry  | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3548                                             | 2015       | Toyota | Camry  | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 3                   | R              | DIRECT FIT          | 5531693         | ALL              |
| 3549                                             | 2015       | Toyota | Camry  | 3.5                  | FTYXV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3550                                             | 2015       | Toyota | RAV4   | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | F              | DIRECT FIT          | 5531542         | ALL              |
| 3551                                             | 2015       | Toyota | RAV4   | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571205         | ALL              |
| 3552                                             | 2015       | Toyota | RAV4   | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571206         | ALL              |
| 3553                                             | 2015       | Toyota | RAV4   | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | UNIVERSAL           | 5571204         | ALL              |
| 3554                                             | 2015       | Toyota | RAV4   | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571541         | ALL              |
| 3555                                             | 2015       | Toyota | RAV4   | 2.5                  | FTYXJ02.5BEL    | LEV2 ULEV           | LDT1         | S            | TWC(2)         | 2               | 1                   | R              | DIRECT FIT          | 5571543         | ALL              |
| 3556                                             | 2016       | Toyota | Avalon | 3.5                  | GTXYV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3557                                             | 2016       | Toyota | Avalon | 3.5                  | GTXYV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3558                                             | 2016       | Toyota | Camry  | 3.5                  | GTXYV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 5531692         | ALL              |
| 3559                                             | 2016       | Toyota | Camry  | 3.5                  | GTXYV03.5BEC    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3560                                             | 2017       | Toyota | 86     | 2                    | HFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | F              | DIRECT FIT          | 5531467         | ALL              |
| 3561                                             | 2017       | Toyota | 86     | 2                    | HFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571205         | ALL              |
| 3562                                             | 2017       | Toyota | 86     | 2                    | HFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571206         | ALL              |
| 3563                                             | 2017       | Toyota | 86     | 2                    | HFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | UNIVERSAL           | 5571204         | ALL              |
| 3564                                             | 2017       | Toyota | 86     | 2                    | HFJXV02.0AJM    | LEV2 LEV            | PC           | S            | TWC(2)         | 2               | 2                   | U              | DIRECT FIT          | 5571933         | ALL              |
| 3565                                             | 2017       | Toyota | Avalon | 3.5                  | HTYXV03.5B6C    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |
| 3566                                             | 2017       | Toyota | Camry  | 3.5                  | HTYXV03.5B6C    | LEV2 ULEV           | PC           | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 5571712         | ALL              |