



## EXECUTIVE ORDER D-193-188

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

Car Sound Exhaust System, Inc. (d.b.a. Magnaflow)  
“Series 4583000 and 4593000 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 4583000 and 4593000 three-way catalytic converters (TWC) for installation on 2000 through 2008 model-year light-duty trucks and medium-duty vehicles equipped with on-board diagnostic II systems as specified in Appendix D-193-188 and incorporated herein. Series 4583000 TWC will be used in the front position, and series 4593000 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 100 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-193-188 and certified to LEV I ULEV emission standards resulted in the issuance of Executive Order D-193-154, it was determined that the installation of series 4583000 and 4593000 TWCs on the vehicles listed in Appendix D-193-188 meets the requirements of California regulation for aftermarket catalytic converters.

THEREFORE, IT IS HEREBY RESOLVED that Car Sound’s series 4583000 and 4593000 TWCs are exempted from the prohibitions in VC Sections 27156 and 38391 for installation on 2000 through 2008 model-year vehicle applications specified in Appendix D-193-188 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.

14. Catalytic converters exempted under this Executive Order may not be installed on a vehicle unless the vehicle is beyond the coverage of the original equipment manufacturer catalytic converter warranty period.

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 15<sup>th</sup> day of April 2025.

A handwritten signature in blue ink that reads "Robin U. Lang". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Robin U. Lang, Chief  
Emissions Certification and Compliance Division

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 2   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 3   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 4   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 5   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 6   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 7   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 8   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 9   | 2002       | Cadillac  | Escalade       | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 10  | 2000       | Chevrolet | Astro          | 4.3                  | YGMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 11  | 2000       | Chevrolet | Astro          | 4.3                  | YGMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 12  | 2001       | Chevrolet | Astro          | 4.3                  | 1GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 13  | 2001       | Chevrolet | Astro          | 4.3                  | 1GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 14  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 15  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 16  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 17  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 18  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 19  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 20  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 21  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 22  | 2001       | Chevrolet | Suburban 1500  | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 23  | 2002       | Chevrolet | Astro          | 4.3                  | 2GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 24  | 2002       | Chevrolet | Astro          | 4.3                  | 2GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 25  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 26  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 27  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 28  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 29  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 30  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 31  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 32  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 33  | 2002       | Chevrolet | Avalanche 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 34  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 35  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 36  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 37  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 38  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 39  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 40  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 41  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 42  | 2002       | Chevrolet | Silverado 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b>   | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|----------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 43         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3187           | LEV1 ULEV                  | MDV2                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 44         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 45         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3187           | LEV1 ULEV                  | MDV2                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 46         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 47         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3187           | LEV1 ULEV                  | MDV2                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 48         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 49         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3187           | LEV1 ULEV                  | MDV2                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 50         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3187           | LEV1 ULEV                  | MDV2                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | U                     | DIRECT FIT                 | 4583062                | ALL                     |
| 51         | 2002              | Chevrolet   | Silverado 1500 | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | U                     | DIRECT FIT                 | 4583062                | ALL                     |
| 52         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 53         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 54         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 55         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 56         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 57         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 58         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 59         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 60         | 2002              | Chevrolet   | Suburban 1500  | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | U                     | DIRECT FIT                 | 4583062                | ALL                     |
| 61         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 62         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 63         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 64         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 65         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 66         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 67         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 68         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 69         | 2002              | Chevrolet   | Tahoe          | 5.3                         | 2GMXA05.3185           | LEV1 ULEV                  | MDV3                | D                   | 2WU-TWC,2TWC          | 4                      | 2                          | U                     | DIRECT FIT                 | 4583062                | ALL                     |
| 70         | 2003              | Chevrolet   | Astro          | 4.3                         | 3GMXT04.3181           | LEV1 ULEV                  | MDV2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 71         | 2003              | Chevrolet   | Astro          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 72         | 2003              | Chevrolet   | Astro          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583008                | ALL                     |
| 73         | 2003              | Chevrolet   | Astro          | 4.3                         | 3GMXT04.3181           | LEV1 ULEV                  | MDV2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583008                | ALL                     |
| 74         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583305                | 4WD                     |
| 75         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583305                | 2WD                     |
| 76         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583306                | 4WD                     |
| 77         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583306                | 2WD                     |
| 78         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 79         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 80         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 81         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |
| 82         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583057                | 4WD                     |
| 83         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583898                | 2WD                     |
| 84         | 2003              | Chevrolet   | Blazer         | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583010                | 4WD                     |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b> | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|--------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 85         | 2003              | Chevrolet   | Blazer       | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583897                | 4WD                     |
| 86         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583305                | 4WD                     |
| 87         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583305                | 2WD                     |
| 88         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583306                | 4WD                     |
| 89         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583306                | 2WD                     |
| 90         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 91         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 92         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 93         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |
| 94         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583481                | 4WD                     |
| 95         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583057                | 4WD                     |
| 96         | 2003              | Chevrolet   | S10          | 4.3                         | 3GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583011                | 2WD                     |
| 97         | 2004              | Chevrolet   | Astro        | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 98         | 2004              | Chevrolet   | Astro        | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583008                | ALL                     |
| 99         | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583305                | 2WD                     |
| 100        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583305                | 4WD                     |
| 101        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583306                | 4WD                     |
| 102        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | UNIVERSAL                  | 4583306                | 2WD                     |
| 103        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 104        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 105        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |
| 106        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 107        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583057                | 4WD                     |
| 108        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583898                | 2WD                     |
| 109        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583010                | 2WD                     |
| 110        | 2004              | Chevrolet   | Blazer       | 4.3                         | 4GMXT04.3187           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | U                     | DIRECT FIT                 | 4583897                | 4WD                     |
| 111        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | DIRECT FIT                 | 4583327                | ALL                     |
| 112        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 113        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 114        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |
| 115        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 116        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | DIRECT FIT                 | 4593612                | 2WD                     |
| 117        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | DIRECT FIT                 | 4593612                | 4WD                     |
| 118        | 2004              | Chevrolet   | Colorado     | 2.8                         | 4GMXT02.8189           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | DIRECT FIT                 | 4593611                | 2WD                     |
| 119        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | F                     | DIRECT FIT                 | 4583862                | ALL                     |
| 120        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 121        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 122        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |
| 123        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 124        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | DIRECT FIT                 | 4593612                | 2WD                     |
| 125        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | DIRECT FIT                 | 4593612                | 4WD                     |
| 126        | 2004              | Chevrolet   | Colorado     | 3.5                         | 4GMXT03.5188           | LEV1 ULEV                  | LDT2                | S                   | WU-TWC,TWC            | 2                      | 1                          | R                     | DIRECT FIT                 | 4593611                | 2WD                     |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Chevrolet | S10      | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583305         | ALL              |
| 128 | 2004       | Chevrolet | S10      | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583306         | ALL              |
| 129 | 2004       | Chevrolet | S10      | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 130 | 2004       | Chevrolet | S10      | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 131 | 2004       | Chevrolet | S10      | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583057         | ALL              |
| 132 | 2005       | Chevrolet | Astro    | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 133 | 2005       | Chevrolet | Astro    | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 134 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583305         | 4WD              |
| 135 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583305         | 2WD              |
| 136 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583306         | 2WD              |
| 137 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583306         | 4WD              |
| 138 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 139 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 140 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 141 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 142 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583057         | 4WD              |
| 143 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583898         | 2WD              |
| 144 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583010         | 2WD              |
| 145 | 2005       | Chevrolet | Blazer   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583897         | 4WD              |
| 146 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583327         | ALL              |
| 147 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 148 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 149 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 150 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 151 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 4WD              |
| 152 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 2WD              |
| 153 | 2005       | Chevrolet | Colorado | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593611         | 2WD              |
| 154 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 155 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 156 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 157 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 158 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 159 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 2WD              |
| 160 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 4WD              |
| 161 | 2005       | Chevrolet | Colorado | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593611         | 2WD              |
| 162 | 2006       | Chevrolet | Colorado | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 163 | 2006       | Chevrolet | Colorado | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 164 | 2006       | Chevrolet | Colorado | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 165 | 2006       | Chevrolet | Colorado | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | ALL              |
| 166 | 2000       | Dodge     | Durango  | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 167 | 2000       | Dodge     | Durango  | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 168 | 2000       | Dodge     | Durango  | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2000       | Dodge | Durango      | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 170 | 2000       | Dodge | Durango      | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 171 | 2000       | Dodge | Durango      | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 172 | 2000       | Dodge | Durango      | 4.7                  | YCRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583338         | 4WD              |
| 173 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 174 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 175 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |
| 176 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 177 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 178 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 179 | 2001       | Dodge | Durango      | 4.7                  | 1CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583338         | 4WD              |
| 180 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 181 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 182 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |
| 183 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 184 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 185 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 186 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583216         | 2WD              |
| 187 | 2001       | Dodge | Durango      | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583473         | 4WD              |
| 188 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 189 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 190 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 191 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 192 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 193 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 194 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 195 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 196 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 197 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 198 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 199 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 200 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583558         | ALL              |
| 201 | 2001       | Dodge | Ram 1500 Van | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583558         | ALL              |
| 202 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 203 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 204 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 205 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 206 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 207 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 208 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 209 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 210 | 2001       | Dodge | Ram 1500     | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | AUTOMATIC        |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2001       | Dodge | Ram 1500 | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | AUTOMATIC        |
| 212 | 2001       | Dodge | Ram 1500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 213 | 2001       | Dodge | Ram 1500 | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 214 | 2001       | Dodge | Ram 1500 | 5.9                  | 1CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583497         | AUTOMATIC        |
| 215 | 2001       | Dodge | Ram 1500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583497         | AUTOMATIC        |
| 216 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 217 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 218 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 219 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 220 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | AUTOMATIC        |
| 221 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 222 | 2001       | Dodge | Ram 2500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583497         | AUTOMATIC        |
| 223 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 224 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 225 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 226 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 227 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 228 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | AUTOMATIC        |
| 229 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 230 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | AUTOMATIC        |
| 231 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | AUTOMATIC        |
| 232 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | AUTOMATIC        |
| 233 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 234 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 235 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360J41    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583497         | AUTOMATIC        |
| 236 | 2001       | Dodge | Ram 3500 | 5.9                  | 1CRXA0360K41    | LEV1 ULEV           | MDV4         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583497         | AUTOMATIC        |
| 237 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 238 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 239 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4593309         | 4WD              |
| 240 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 241 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 242 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 243 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 244 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583012         | 4WD              |
| 245 | 2002       | Dodge | Dakota   | 3.9                  | 2CRXA0239H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583392         | 2WD              |
| 246 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 247 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 248 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 249 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 250 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 251 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 252 | 2002       | Dodge | Dakota   | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583181         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2002       | Dodge | Dakota       | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583043         | 2WD              |
| 254 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 255 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 256 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 257 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 258 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 259 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4593309         | 4WD              |
| 260 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 261 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 262 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 263 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 264 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 265 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583012         | 4WD              |
| 266 | 2002       | Dodge | Dakota       | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583874         | 2WD              |
| 267 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 268 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 269 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |
| 270 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 271 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 272 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 273 | 2002       | Dodge | Durango      | 4.7                  | 2CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583338         | 4WD              |
| 274 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 275 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 276 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 277 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 278 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 279 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |
| 280 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 281 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 282 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 283 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 284 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 285 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 286 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583048         | 2WD              |
| 287 | 2002       | Dodge | Durango      | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583050         | 4WD              |
| 288 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 289 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 290 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 291 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 292 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 293 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 294 | 2002       | Dodge | Ram 1500 Van | 5.9                  | 2CRXA0360H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b> | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|--------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 295        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 296        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | ALL                     |
| 297        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | ALL                     |
| 298        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | ALL                     |
| 299        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | ALL                     |
| 300        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | U                     | DIRECT FIT                 | 4583558                | ALL                     |
| 301        | 2002              | Dodge       | Ram 1500 Van | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | U                     | DIRECT FIT                 | 4583558                | ALL                     |
| 302        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 303        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 4WD                     |
| 304        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 305        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | 4WD                     |
| 306        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 307        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 308        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 309        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |
| 310        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | U                     | DIRECT FIT                 | 4583068                | 2WD                     |
| 311        | 2002              | Dodge       | Ram 1500     | 4.7                         | 2CRXA0287H41           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | U                     | DIRECT FIT                 | 4583070                | 4WD                     |
| 312        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 313        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 314        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 315        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 316        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | ALL                     |
| 317        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | ALL                     |
| 318        | 2002              | Dodge       | Ram 1500     | 5.9                         | 2CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | U                     | DIRECT FIT                 | 4583018                | ALL                     |
| 319        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | AUTOMATIC               |
| 320        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | AUTOMATIC               |
| 321        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | AUTOMATIC               |
| 322        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | AUTOMATIC               |
| 323        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | AUTOMATIC               |
| 324        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | AUTOMATIC               |
| 325        | 2002              | Dodge       | Ram 2500     | 5.9                         | 2CRXA0360J40           | LEV1 ULEV                  | MDV3                | DS                  | TWC,2WU-OC            | 3                      | 2                          | U                     | DIRECT FIT                 | 4583497                | AUTOMATIC               |
| 326        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | 2WD                     |
| 327        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | 4WD                     |
| 328        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583304                | 2WD                     |
| 329        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583304                | 4WD                     |
| 330        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | 2WD                     |
| 331        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4593309                | 4WD                     |
| 332        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583304                | 2WD                     |
| 333        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | 2WD                     |
| 334        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593305                | 4WD                     |
| 335        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | 4WD                     |
| 336        | 2003              | Dodge       | Dakota       | 5.9                         | 3CRXA0360H40           | LEV1 ULEV                  | MDV2                | DS                  | TWC,2WU-OC            | 3                      | 2                          | R                     | UNIVERSAL                  | 4593306                | 2WD                     |

| Appendix D-193-188                               |            |       |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|-------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |       |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                              | 2003       | Dodge | Dakota   | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583012         | 4WD              |
| 338                                              | 2003       | Dodge | Dakota   | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583874         | 2WD              |
| 339                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 340                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 341                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |
| 342                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 343                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 344                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 345                                              | 2003       | Dodge | Durango  | 4.7                  | 3CRXA0287H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583338         | 4WD              |
| 346                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 4WD              |
| 347                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 348                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 4WD              |
| 349                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 350                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 351                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 4WD              |
| 352                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 353                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 4WD              |
| 354                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 355                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 356                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 357                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 358                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583048         | 2WD              |
| 359                                              | 2003       | Dodge | Durango  | 5.9                  | 3CRXA0360H40    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583050         | 4WD              |
| 360                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 361                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 362                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 363                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 364                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 365                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 366                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 367                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 368                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 369                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 370                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 371                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 372                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 373                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 374                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 375                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 376                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583068         | 2WD              |
| 377                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583068         | 2WD              |
| 378                                              | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287H41    | LEV1 ULEV           | MDV2         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583070         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2003       | Dodge | Ram 1500 | 4.7                  | 3CRXA0287J40    | LEV1 ULEV           | MDV3         | DS           | TWC,2WU-OC     | 3               | 2                   | U              | DIRECT FIT          | 4583070         | 4WD              |
| 380 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 381 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 382 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 383 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 384 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 385 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 386 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 387 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 388 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | UL             | DIRECT FIT          | 4583666         | ALL              |
| 389 | 2005       | Dodge | Ram 1500 | 8.3                  | 5CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | UR             | DIRECT FIT          | 4583669         | ALL              |
| 390 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 391 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 392 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 393 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 394 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 395 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 396 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 397 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 398 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | UL             | DIRECT FIT          | 4583666         | ALL              |
| 399 | 2006       | Dodge | Ram 1500 | 8.3                  | 6CRXT08.36U0    | LEV1 ULEV           | MDV3         | D            | 2TWC,2OC       | 4               | 2                   | UR             | DIRECT FIT          | 4583669         | ALL              |
| 400 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 401 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 402 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 403 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 404 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 405 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 406 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 407 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 408 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 409 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 410 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 411 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 412 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 4WD              |
| 413 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 4WD              |
| 414 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 415 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 416 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 417 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 418 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 4WD              |
| 419 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 4WD              |
| 420 | 2002       | Ford  | F-150    | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583248         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583248         | 4WD              |
| 422 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583031         | 2WD              |
| 423 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583031         | 2WD              |
| 424 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583032         | 2WD              |
| 425 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583032         | 2WD              |
| 426 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H5    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583249         | 4WD              |
| 427 | 2002       | Ford | F-150 | 4.2                  | 2FMXT04.22H6    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583249         | 4WD              |
| 428 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 429 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 430 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 431 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 432 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4583305         | 4WD              |
| 433 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4583304         | 4WD              |
| 434 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 2WD              |
| 435 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 4WD              |
| 436 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 2WD              |
| 437 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583038         | 2WD              |
| 438 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583071         | 4WD              |
| 439 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583072         | 4WD              |
| 440 | 2002       | Ford | F-150 | 4.6                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583040         | 2WD              |
| 441 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 442 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 443 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 444 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 445 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 446 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 447 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 448 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 449 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 450 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 4WD              |
| 451 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 452 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 4WD              |
| 453 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 454 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 4WD              |
| 455 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 456 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 4WD              |
| 457 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 458 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 459 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 460 | 2002       | Ford | F-150 | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 461 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 462 | 2002       | Ford | F-150 | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |

| Appendix D-193-188                               |            |      |                  |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------|------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |      |                  |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 464                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 465                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583058         | 2WD              |
| 466                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583058         | 2WD              |
| 467                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583621         | 2WD              |
| 468                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583621         | 2WD              |
| 469                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583753         | 4WD              |
| 470                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583753         | 4WD              |
| 471                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583090         | 4WD              |
| 472                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583090         | 4WD              |
| 473                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583009         | 4WD              |
| 474                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583009         | 4WD              |
| 475                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583033         | 4WD              |
| 476                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583033         | 4WD              |
| 477                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583412         | 2WD              |
| 478                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583412         | 2WD              |
| 479                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583622         | 2WD              |
| 480                                              | 2002       | Ford | F-150            | 5.4                  | 2FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583622         | 2WD              |
| 481                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | ALL              |
| 482                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 483                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 484                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 485                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 486                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 487                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583001         | ALL              |
| 488                                              | 2003       | Ford | E-150 Club Wagon | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583002         | ALL              |
| 489                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583378         | ALL              |
| 490                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 491                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 492                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 493                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 494                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 495                                              | 2003       | Ford | E-150 Club Wagon | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593321         | ALL              |
| 496                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | ALL              |
| 497                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 498                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 499                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 500                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 501                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 502                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583001         | ALL              |
| 503                                              | 2003       | Ford | E-150            | 4.6                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583002         | ALL              |
| 504                                              | 2003       | Ford | E-150            | 5.4                  | 3FMXT05.4RF9    | LEV1 ULEV           | MDV3         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583378         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b>     | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|------------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 505        | 2003              | Ford        | E-150            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 506        | 2003              | Ford        | E-150            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 507        | 2003              | Ford        | E-150            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 508        | 2003              | Ford        | E-150            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 509        | 2003              | Ford        | E-150            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 510        | 2003              | Ford        | E-150            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | DIRECT FIT                 | 4593321                | ALL                     |
| 511        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | ALL                     |
| 512        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | ALL                     |
| 513        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 514        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 515        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 516        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 517        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583001                | ALL                     |
| 518        | 2003              | Ford        | E-250            | 4.6                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583002                | ALL                     |
| 519        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | F                     | DIRECT FIT                 | 4583378                | ALL                     |
| 520        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 521        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 522        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 523        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 524        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 525        | 2003              | Ford        | E-250            | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | DIRECT FIT                 | 4593321                | ALL                     |
| 526        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | F                     | DIRECT FIT                 | 4583378                | ALL                     |
| 527        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 528        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 529        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 530        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 531        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 532        | 2003              | Ford        | E-350 Club Wagon | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | DIRECT FIT                 | 4593321                | ALL                     |
| 533        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | F                     | DIRECT FIT                 | 4583378                | ALL                     |
| 534        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 535        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 536        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 537        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 538        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 539        | 2003              | Ford        | E-350 Super Duty | 5.4                         | 3FMXT05.4RF9           | LEV1 ULEV                  | MDV3                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | DIRECT FIT                 | 4593321                | ALL                     |
| 540        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | ALL                     |
| 541        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | ALL                     |
| 542        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | ALL                     |
| 543        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | ALL                     |
| 544        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 545        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 546        | 2003              | Ford        | Expedition       | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b> | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|--------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 547        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 548        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 549        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 550        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 551        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 552        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583021                | ALL                     |
| 553        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583021                | ALL                     |
| 554        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583022                | ALL                     |
| 555        | 2003              | Ford        | Expedition   | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583022                | ALL                     |
| 556        | 2003              | Ford        | Expedition   | 5.4                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583087                | ALL                     |
| 557        | 2003              | Ford        | Expedition   | 5.4                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583087                | ALL                     |
| 558        | 2003              | Ford        | Expedition   | 5.4                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583078                | ALL                     |
| 559        | 2003              | Ford        | Expedition   | 5.4                         | 3FMXT05.4RF5           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583078                | ALL                     |
| 560        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 4WD                     |
| 561        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 562        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 563        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | 4WD                     |
| 564        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | 2WD                     |
| 565        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | 2WD                     |
| 566        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593356                | 4WD                     |
| 567        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | 2WD                     |
| 568        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | 2WD                     |
| 569        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593356                | 4WD                     |
| 570        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583248                | 4WD                     |
| 571        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583031                | 2WD                     |
| 572        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583032                | 2WD                     |
| 573        | 2003              | Ford        | F-150        | 4.2                         | 3FMXT04.22H6           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583249                | 4WD                     |
| 574        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 4WD                     |
| 575        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 576        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | 4WD                     |
| 577        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 578        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4583305                | 4WD                     |
| 579        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4583304                | 4WD                     |
| 580        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593356                | 2WD                     |
| 581        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593356                | 2WD                     |
| 582        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593356                | 4WD                     |
| 583        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583038                | 2WD                     |
| 584        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583071                | 4WD                     |
| 585        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583072                | 4WD                     |
| 586        | 2003              | Ford        | F-150        | 4.6                         | 3FMXT05.4RFC           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583040                | 2WD                     |
| 587        | 2003              | Ford        | F-150        | 5.4                         | 3FMXA05.4HJD           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 2WD                     |
| 588        | 2003              | Ford        | F-150        | 5.4                         | 3FMXA05.4HJD           | LEV1 ULEV                  | MDV2                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583376                | 4WD                     |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 590 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 591 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 592 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 593 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 594 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 595 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 596 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 597 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 598 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 599 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 600 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 4WD              |
| 601 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 4WD              |
| 602 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 603 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 4WD              |
| 604 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 605 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 606 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 4WD              |
| 607 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 608 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 4WD              |
| 609 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 610 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 4WD              |
| 611 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 612 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 613 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 614 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 615 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 616 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 617 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 618 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 619 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 620 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 621 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 622 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 623 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583058         | 2WD              |
| 624 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583058         | 2WD              |
| 625 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583058         | 2WD              |
| 626 | 2003       | Ford | F-150 | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583621         | 2WD              |
| 627 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583621         | 2WD              |
| 628 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583621         | 2WD              |
| 629 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583753         | 4WD              |
| 630 | 2003       | Ford | F-150 | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583753         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2003       | Ford | F-150            | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583753         | 4WD              |
| 632 | 2003       | Ford | F-150            | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583090         | 4WD              |
| 633 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583090         | 4WD              |
| 634 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583090         | 4WD              |
| 635 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583009         | 4WD              |
| 636 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583009         | 4WD              |
| 637 | 2003       | Ford | F-150            | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583009         | 4WD              |
| 638 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583033         | 4WD              |
| 639 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583033         | 4WD              |
| 640 | 2003       | Ford | F-150            | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583033         | 4WD              |
| 641 | 2003       | Ford | F-150            | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583412         | 2WD              |
| 642 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583412         | 2WD              |
| 643 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583412         | 2WD              |
| 644 | 2003       | Ford | F-150            | 5.4                  | 3FMXA05.4HJD    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583622         | 2WD              |
| 645 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RF6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583622         | 2WD              |
| 646 | 2003       | Ford | F-150            | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583622         | 2WD              |
| 647 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | ALL              |
| 648 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 649 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 650 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 651 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 652 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 653 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583001         | ALL              |
| 654 | 2004       | Ford | E-150 Club Wagon | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583002         | ALL              |
| 655 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | ALL              |
| 656 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 657 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 658 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 659 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 660 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 661 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583001         | ALL              |
| 662 | 2004       | Ford | E-150            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583002         | ALL              |
| 663 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | ALL              |
| 664 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 665 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 666 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 667 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 668 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 669 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583001         | ALL              |
| 670 | 2004       | Ford | E-250            | 4.6                  | 4FMXT04.6RP9    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583002         | ALL              |
| 671 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 672 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 674 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 675 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 676 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 677 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 678 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 679 | 2004       | Ford | E-250            | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 680 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 681 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 682 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 683 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 684 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 685 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 686 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 687 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 688 | 2004       | Ford | E-350 Club Wagon | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 689 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 690 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 691 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 692 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 693 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 694 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 695 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 696 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 697 | 2004       | Ford | E-350 Super Duty | 5.4                  | 4FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 698 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 699 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 700 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 701 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 702 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 703 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 704 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 705 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 706 | 2004       | Ford | E-350 Super Duty | 6.8                  | 4FMXT06.8TP5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 707 | 2004       | Ford | Escape           | 3                    | 4FMXT03.02FE    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 4583370         | ALL              |
| 708 | 2004       | Ford | Escape           | 3                    | 4FMXT03.02FE    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 4583298         | ALL              |
| 709 | 2004       | Ford | Escape           | 3                    | 4FMXT03.02FE    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 710 | 2004       | Ford | Escape           | 3                    | 4FMXT03.02FE    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 711 | 2004       | Ford | Escape           | 3                    | 4FMXT03.02FE    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593419         | ALL              |
| 712 | 2004       | Ford | Expedition       | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | ALL              |
| 713 | 2004       | Ford | Expedition       | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 714 | 2004       | Ford | Expedition       | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Ford | Expedition          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 716 | 2004       | Ford | Expedition          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 717 | 2004       | Ford | Expedition          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 718 | 2004       | Ford | Expedition          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583021         | ALL              |
| 719 | 2004       | Ford | Expedition          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583022         | ALL              |
| 720 | 2004       | Ford | Expedition          | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583087         | ALL              |
| 721 | 2004       | Ford | Expedition          | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583078         | ALL              |
| 722 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | F              | DIRECT FIT          | 4583401         | ALL              |
| 723 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 724 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 725 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4583305         | ALL              |
| 726 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 727 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 728 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4583306         | ALL              |
| 729 | 2004       | Ford | Explorer Sport Trac | 4                    | 4FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | DIRECT FIT          | 4593400         | ALL              |
| 730 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 731 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 732 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 733 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 734 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 735 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 736 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 737 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 738 | 2004       | Ford | Explorer            | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583030         | ALL              |
| 739 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 740 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 741 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 742 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 743 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 744 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 745 | 2004       | Ford | Explorer            | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583028         | ALL              |
| 746 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 747 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 748 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 749 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 750 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 751 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 752 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 4WD              |
| 753 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 754 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 755 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 4WD              |
| 756 | 2004       | Ford | F-150 Heritage      | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583248         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Ford | F-150 Heritage | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583031         | 2WD              |
| 758 | 2004       | Ford | F-150 Heritage | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583032         | 2WD              |
| 759 | 2004       | Ford | F-150 Heritage | 4.2                  | 4FMXT04.2PN2    | LEV1 ULEV           | MDV2         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583249         | 4WD              |
| 760 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 761 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 762 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 763 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 764 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4583305         | 4WD              |
| 765 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4583304         | 4WD              |
| 766 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 2WD              |
| 767 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 2WD              |
| 768 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593356         | 4WD              |
| 769 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583038         | 2WD              |
| 770 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583071         | 4WD              |
| 771 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583072         | 4WD              |
| 772 | 2004       | Ford | F-150 Heritage | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583040         | 2WD              |
| 773 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 774 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 775 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 4WD              |
| 776 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 4WD              |
| 777 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 778 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 779 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583449         | 4WD              |
| 780 | 2004       | Ford | F-150          | 4.6                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583450         | 4WD              |
| 781 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 782 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 783 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 784 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 4WD              |
| 785 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 786 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 787 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 2WD              |
| 788 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | 4WD              |
| 789 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 790 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 791 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 792 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 793 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 4WD              |
| 794 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593356         | 4WD              |
| 795 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 796 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 4WD              |
| 797 | 2004       | Ford | F-150          | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |
| 798 | 2004       | Ford | F-150          | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | 2WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Ford | F-150            | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 800 | 2004       | Ford | F-150            | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 801 | 2004       | Ford | F-150            | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 4WD              |
| 802 | 2004       | Ford | F-150            | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | 2WD              |
| 803 | 2004       | Ford | F-150            | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583238         | 4WD              |
| 804 | 2004       | Ford | F-150            | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583238         | 4WD              |
| 805 | 2004       | Ford | F-150            | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583705         | 2WD              |
| 806 | 2004       | Ford | F-150            | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583705         | 2WD              |
| 807 | 2004       | Ford | F-150            | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583744         | 4WD              |
| 808 | 2004       | Ford | F-150            | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583744         | 4WD              |
| 809 | 2004       | Ford | F-150            | 5.4                  | 4FMXT05.4RPB    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583706         | 2WD              |
| 810 | 2004       | Ford | F-150            | 5.4                  | 4G9XT05.46CP    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583706         | 2WD              |
| 811 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583020         | ALL              |
| 812 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 813 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 814 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 815 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 816 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 817 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 818 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 819 | 2004       | Ford | Ranger           | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 820 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583999         | 4WD              |
| 821 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583999         | 4WD              |
| 822 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583023         | 2WD              |
| 823 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583023         | 2WD              |
| 824 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 825 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 826 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | 2WD              |
| 827 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | 2WD              |
| 828 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 829 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 830 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 831 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 832 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | 2WD              |
| 833 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | 2WD              |
| 834 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 835 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 836 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 837 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 838 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 839 | 2004       | Ford | Ranger           | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 840 | 2005       | Ford | E-150 Club Wagon | 4.6                  | 5FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b>     | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|------------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 841        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 842        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 843        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 844        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 845        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 846        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 847        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 848        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583311                | ALL                     |
| 849        | 2005              | Ford        | E-150 Club Wagon | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583310                | ALL                     |
| 850        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 851        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 852        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 853        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 854        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 855        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 856        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 857        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 858        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583311                | ALL                     |
| 859        | 2005              | Ford        | E-150            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583310                | ALL                     |
| 860        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 861        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 862        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 863        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 864        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 865        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 866        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 867        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 868        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 869        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 870        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 871        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 872        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 873        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 874        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 875        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 876        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583311                | ALL                     |
| 877        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UL                    | DIRECT FIT                 | 4583311                | ALL                     |
| 878        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6RPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583310                | ALL                     |
| 879        | 2005              | Ford        | E-250            | 4.6                         | 5FMXT04.6TPE           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | UR                    | DIRECT FIT                 | 4583310                | ALL                     |
| 880        | 2005              | Ford        | E-250            | 5.4                         | 5FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 881        | 2005              | Ford        | E-250            | 5.4                         | 5FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 882        | 2005              | Ford        | E-250            | 5.4                         | 5FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2005       | Ford | E-250               | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 884 | 2005       | Ford | E-250               | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 885 | 2005       | Ford | E-250               | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 886 | 2005       | Ford | E-250               | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 887 | 2005       | Ford | E-250               | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 888 | 2005       | Ford | E-250               | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 889 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 890 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 891 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 892 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 893 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 894 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 895 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 896 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 897 | 2005       | Ford | E-350 Club Wagon    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 898 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 899 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 900 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 901 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 902 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 903 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 904 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 905 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 906 | 2005       | Ford | E-350 Super Duty    | 5.4                  | 5FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 907 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | F              | DIRECT FIT          | 4583401         | ALL              |
| 908 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 909 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 910 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4583305         | ALL              |
| 911 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 912 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 913 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | UNIVERSAL           | 4583306         | ALL              |
| 914 | 2005       | Ford | Explorer Sport Trac | 4                    | 5FMXT04.02K4    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC(2)    | 4               | 2                   | R              | DIRECT FIT          | 4593400         | ALL              |
| 915 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583020         | ALL              |
| 916 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 917 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 918 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 919 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 920 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 921 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 922 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 923 | 2005       | Ford | Ranger              | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 924 | 2005       | Ford | Ranger              | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583999         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583023         | 2WD              |
| 926 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 927 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | 2WD              |
| 928 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 929 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 930 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | 2WD              |
| 931 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 932 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 933 | 2005       | Ford | Ranger           | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 934 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 935 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 936 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 937 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 938 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 939 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 940 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 941 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 942 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583311         | ALL              |
| 943 | 2006       | Ford | E-150            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583310         | ALL              |
| 944 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 945 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 946 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 947 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 948 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 949 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 950 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 951 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 952 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 953 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 954 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 955 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 956 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 957 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 958 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 959 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 960 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583311         | ALL              |
| 961 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583311         | ALL              |
| 962 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6TPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583310         | ALL              |
| 963 | 2006       | Ford | E-250            | 4.6                  | 6FMXT04.6RPE    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583310         | ALL              |
| 964 | 2006       | Ford | E-350 Super Duty | 5.4                  | 6FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 965 | 2006       | Ford | E-350 Super Duty | 5.4                  | 6FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 966 | 2006       | Ford | E-350 Super Duty | 5.4                  | 6FMXT05.4SP6    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| <b>No.</b> | <b>Model Year</b> | <b>Make</b> | <b>Model</b>     | <b>Engine Size (liters)</b> | <b>Test Group Name</b> | <b>Certification Level</b> | <b>Weight Class</b> | <b>Exhaust Type</b> | <b>Converter Type</b> | <b>Total Converter</b> | <b>Monitored Converter</b> | <b>Conv. Location</b> | <b>Converter Part Type</b> | <b>MFR Part Number</b> | <b>Application Type</b> |
|------------|-------------------|-------------|------------------|-----------------------------|------------------------|----------------------------|---------------------|---------------------|-----------------------|------------------------|----------------------------|-----------------------|----------------------------|------------------------|-------------------------|
| 967        | 2006              | Ford        | E-350 Super Duty | 5.4                         | 6FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 968        | 2006              | Ford        | E-350 Super Duty | 5.4                         | 6FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 969        | 2006              | Ford        | E-350 Super Duty | 5.4                         | 6FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 970        | 2006              | Ford        | E-350 Super Duty | 5.4                         | 6FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 971        | 2006              | Ford        | E-350 Super Duty | 5.4                         | 6FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 972        | 2006              | Ford        | E-350 Super Duty | 5.4                         | 6FMXT05.4SP6           | LEV1 ULEV                  | MDV3                | D                   | 2TWC(2)               | 4                      | 2                          | U                     | DIRECT FIT                 | 4583041                | ALL                     |
| 973        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | F                     | DIRECT FIT                 | 4583020                | ALL                     |
| 974        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 975        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 976        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583304                | ALL                     |
| 977        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 978        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 979        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583304                | ALL                     |
| 980        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 981        | 2006              | Ford        | Ranger           | 3                           | 6FMXT03.02KA           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | DIRECT FIT                 | 4593010                | ALL                     |
| 982        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | F                     | DIRECT FIT                 | 4583999                | 4WD                     |
| 983        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | F                     | DIRECT FIT                 | 4583023                | 2WD                     |
| 984        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | 2WD                     |
| 985        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | 2WD                     |
| 986        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583304                | 2WD                     |
| 987        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | 2WD                     |
| 988        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | 2WD                     |
| 989        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583304                | 2WD                     |
| 990        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | UNIVERSAL                  | 4593309                | ALL                     |
| 991        | 2006              | Ford        | Ranger           | 4                           | 6FMXT04.02KM           | LEV1 ULEV                  | LDT2                | DS                  | 2TWC,TWC              | 3                      | 2                          | R                     | DIRECT FIT                 | 4593010                | ALL                     |
| 992        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 993        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 994        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 995        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 996        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 997        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 998        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 999        | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |
| 1000       | 2007              | Ford        | E-350 Super Duty | 6.8                         | 7FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | U                     | DIRECT FIT                 | 4583041                | ALL                     |
| 1001       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583305                | ALL                     |
| 1002       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FL                    | UNIVERSAL                  | 4583306                | ALL                     |
| 1003       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583305                | ALL                     |
| 1004       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | FR                    | UNIVERSAL                  | 4583306                | ALL                     |
| 1005       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RL                    | UNIVERSAL                  | 4593305                | ALL                     |
| 1006       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RL                    | UNIVERSAL                  | 4593306                | ALL                     |
| 1007       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RR                    | UNIVERSAL                  | 4593305                | ALL                     |
| 1008       | 2008              | Ford        | E-350 Super Duty | 6.8                         | 8FMXH06.8AS4           | LEV1 ULEV                  | MDV4                | DS                  | 2TWC,TWC              | 3                      | 2                          | RR                    | UNIVERSAL                  | 4593306                | ALL                     |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2008       | Ford | E-350 Super Duty | 6.8                  | 8FMXH06.8AS4    | LEV1 ULEV           | MDV4         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583041         | ALL              |
| 1010 | 2000       | GMC  | Safari           | 4.3                  | YGMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1011 | 2000       | GMC  | Safari           | 4.3                  | YGMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1012 | 2001       | GMC  | Safari           | 4.3                  | 1GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1013 | 2001       | GMC  | Safari           | 4.3                  | 1GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1014 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1015 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1016 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1017 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1018 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1019 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1020 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1021 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1022 | 2001       | GMC  | Yukon XL 1500    | 5.3                  | 1GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 1023 | 2002       | GMC  | Safari           | 4.3                  | 2GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1024 | 2002       | GMC  | Safari           | 4.3                  | 2GMXA04.3189    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1025 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1026 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1027 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1028 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1029 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1030 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1031 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1032 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1033 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1034 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1035 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1036 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1037 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1038 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1039 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1040 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1041 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 1042 | 2002       | GMC  | Sierra 1500      | 5.3                  | 2GMXA05.3187    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 1043 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1044 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1045 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1046 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1047 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1048 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1049 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1050 | 2002       | GMC  | Yukon XL 1500    | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2002       | GMC  | Yukon XL 1500 | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 1052 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1053 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1054 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1055 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1056 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1057 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1058 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1059 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1060 | 2002       | GMC  | Yukon         | 5.3                  | 2GMXA05.3185    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | U              | DIRECT FIT          | 4583062         | ALL              |
| 1061 | 2003       | GMC  | Safari        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1062 | 2003       | GMC  | Safari        | 4.3                  | 3GMXT04.3181    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1063 | 2003       | GMC  | Safari        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1064 | 2003       | GMC  | Safari        | 4.3                  | 3GMXT04.3181    | LEV1 ULEV           | MDV2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1065 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583305         | 4WD              |
| 1066 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583305         | 2WD              |
| 1067 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583306         | 4WD              |
| 1068 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583306         | 2WD              |
| 1069 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 1070 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 1071 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 1072 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 1073 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583481         | 4WD              |
| 1074 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583057         | 4WD              |
| 1075 | 2003       | GMC  | Sonoma        | 4.3                  | 3GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583011         | 2WD              |
| 1076 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583327         | ALL              |
| 1077 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 1078 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 1079 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 1080 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 1081 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 4WD              |
| 1082 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 2WD              |
| 1083 | 2004       | GMC  | Canyon        | 2.8                  | 4GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593611         | 2WD              |
| 1084 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 1085 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 1086 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 1087 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 1088 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 1089 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 2WD              |
| 1090 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 4WD              |
| 1091 | 2004       | GMC  | Canyon        | 3.5                  | 4GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593611         | 2WD              |
| 1092 | 2004       | GMC  | Safari        | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |

| Appendix D-193-188                               |            |         |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|----------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |         |          |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                             | 2004       | GMC     | Safari   | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1094                                             | 2004       | GMC     | Sonoma   | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583305         | ALL              |
| 1095                                             | 2004       | GMC     | Sonoma   | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | UNIVERSAL           | 4583306         | ALL              |
| 1096                                             | 2004       | GMC     | Sonoma   | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1097                                             | 2004       | GMC     | Sonoma   | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1098                                             | 2004       | GMC     | Sonoma   | 4.3                  | 4GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583057         | ALL              |
| 1099                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583327         | ALL              |
| 1100                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 1101                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 1102                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 1103                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 1104                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 2WD              |
| 1105                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 4WD              |
| 1106                                             | 2005       | GMC     | Canyon   | 2.8                  | 5GMXT02.8189    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593611         | 2WD              |
| 1107                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 1108                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 2WD              |
| 1109                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | 4WD              |
| 1110                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 2WD              |
| 1111                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | 4WD              |
| 1112                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 2WD              |
| 1113                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | 4WD              |
| 1114                                             | 2005       | GMC     | Canyon   | 3.5                  | 5GMXT03.5188    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593611         | 2WD              |
| 1115                                             | 2005       | GMC     | Safari   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1116                                             | 2005       | GMC     | Safari   | 4.3                  | 5GMXT04.3187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | U              | DIRECT FIT          | 4583008         | ALL              |
| 1117                                             | 2006       | GMC     | Canyon   | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 1118                                             | 2006       | GMC     | Canyon   | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1119                                             | 2006       | GMC     | Canyon   | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1120                                             | 2006       | GMC     | Canyon   | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | ALL              |
| 1121                                             | 2006       | Hummer  | H3       | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 1122                                             | 2006       | Hummer  | H3       | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1123                                             | 2006       | Hummer  | H3       | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1124                                             | 2006       | Hummer  | H3       | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | ALL              |
| 1125                                             | 2003       | Hyundai | Santa Fe | 3.5                  | 3HYXT03.5SLS    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 4583253         | ALL              |
| 1126                                             | 2003       | Hyundai | Santa Fe | 3.5                  | 3HYXT03.5SLS    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 4583257         | ALL              |
| 1127                                             | 2003       | Hyundai | Santa Fe | 3.5                  | 3HYXT03.5SLS    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1128                                             | 2003       | Hyundai | Santa Fe | 3.5                  | 3HYXT03.5SLS    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1129                                             | 2003       | Hyundai | Santa Fe | 3.5                  | 3HYXT03.5SLS    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 4593248         | ALL              |
| 1130                                             | 2004       | Hyundai | Santa Fe | 2.4                  | 4HYXT02.4SU9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583697         | ALL              |
| 1131                                             | 2004       | Hyundai | Santa Fe | 2.4                  | 4HYXT02.4SU9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1132                                             | 2004       | Hyundai | Santa Fe | 2.4                  | 4HYXT02.4SU9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1133                                             | 2004       | Hyundai | Santa Fe | 2.4                  | 4HYXT02.4SU9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593052         | ALL              |
| 1134                                             | 2004       | Hyundai | Santa Fe | 2.7                  | 4HYXT02.7MU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 4583756         | ALL              |

| Appendix D-193-188                               |            |          |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|----------|----------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |          |                |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                             | 2004       | Hyundai  | Santa Fe       | 2.7                  | 4HYXT02.7MU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 4583695         | ALL              |
| 1136                                             | 2004       | Hyundai  | Santa Fe       | 2.7                  | 4HYXT02.7MU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1137                                             | 2004       | Hyundai  | Santa Fe       | 2.7                  | 4HYXT02.7MU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1138                                             | 2004       | Hyundai  | Santa Fe       | 2.7                  | 4HYXT02.7MU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 4593130         | ALL              |
| 1139                                             | 2004       | Hyundai  | Santa Fe       | 3.5                  | 4HYXT03.5TU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 4583253         | ALL              |
| 1140                                             | 2004       | Hyundai  | Santa Fe       | 3.5                  | 4HYXT03.5TU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 4583257         | ALL              |
| 1141                                             | 2004       | Hyundai  | Santa Fe       | 3.5                  | 4HYXT03.5TU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1142                                             | 2004       | Hyundai  | Santa Fe       | 3.5                  | 4HYXT03.5TU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1143                                             | 2004       | Hyundai  | Santa Fe       | 3.5                  | 4HYXT03.5TU9    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 4593248         | ALL              |
| 1144                                             | 2005       | Hyundai  | Tucson         | 2                    | 5HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583349         | ALL              |
| 1145                                             | 2005       | Hyundai  | Tucson         | 2                    | 5HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1146                                             | 2005       | Hyundai  | Tucson         | 2                    | 5HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1147                                             | 2005       | Hyundai  | Tucson         | 2                    | 5HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593483         | ALL              |
| 1148                                             | 2006       | Hyundai  | Tucson         | 2                    | 6HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583349         | ALL              |
| 1149                                             | 2006       | Hyundai  | Tucson         | 2                    | 6HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1150                                             | 2006       | Hyundai  | Tucson         | 2                    | 6HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1151                                             | 2006       | Hyundai  | Tucson         | 2                    | 6HYXT02.0JV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593483         | ALL              |
| 1152                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583380         | ALL              |
| 1153                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583381         | ALL              |
| 1154                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1155                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1156                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593218         | ALL              |
| 1157                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1158                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1159                                             | 2004       | INFINITI | QX56           | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593217         | ALL              |
| 1160                                             | 2006       | Isuzu    | i-350          | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583862         | ALL              |
| 1161                                             | 2006       | Isuzu    | i-350          | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1162                                             | 2006       | Isuzu    | i-350          | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1163                                             | 2006       | Isuzu    | i-350          | 3.5                  | 6GMXT03.5187    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593612         | ALL              |
| 1164                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1165                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1166                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1167                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1168                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583053         | ALL              |
| 1169                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1170                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1171                                             | 2001       | Jeep     | Grand Cherokee | 4                    | 1CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593003         | ALL              |
| 1172                                             | 2002       | Jeep     | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1173                                             | 2002       | Jeep     | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1174                                             | 2002       | Jeep     | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1175                                             | 2002       | Jeep     | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1176                                             | 2002       | Jeep     | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583053         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2002       | Jeep | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1178 | 2002       | Jeep | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1179 | 2002       | Jeep | Grand Cherokee | 4                    | 2CRXT0242240    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593698         | ALL              |
| 1180 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1181 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1182 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1183 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1184 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583053         | ALL              |
| 1185 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1186 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1187 | 2003       | Jeep | Grand Cherokee | 4                    | 3CRXT04.02Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593698         | ALL              |
| 1188 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1189 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1190 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | DIRECT FIT          | 4583051         | ALL              |
| 1191 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | DIRECT FIT          | 4583051         | ALL              |
| 1192 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1193 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1194 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | DIRECT FIT          | 4583052         | ALL              |
| 1195 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | DIRECT FIT          | 4583052         | ALL              |
| 1196 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1197 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1198 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1199 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1200 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72ZX    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593008         | ALL              |
| 1201 | 2003       | Jeep | Liberty        | 3.7                  | 3CRXT03.72Z0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593008         | ALL              |
| 1202 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1203 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1204 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1205 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1206 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583053         | ALL              |
| 1207 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1208 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1209 | 2004       | Jeep | Grand Cherokee | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593698         | ALL              |
| 1210 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1211 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1212 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1213 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583000         | ALL              |
| 1214 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1215 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1216 | 2004       | Jeep | Grand Cherokee | 4.7                  | 4CRXT04.72N1    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593698         | ALL              |
| 1217 | 2004       | Jeep | Wrangler       | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1218 | 2004       | Jeep | Wrangler       | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Jeep  | Wrangler | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1220 | 2004       | Jeep  | Wrangler | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1221 | 2004       | Jeep  | Wrangler | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583386         | ALL              |
| 1222 | 2004       | Jeep  | Wrangler | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1223 | 2004       | Jeep  | Wrangler | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1224 | 2004       | Jeep  | Wrangler | 4                    | 4CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593001         | ALL              |
| 1225 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1226 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1227 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1228 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1229 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583386         | ALL              |
| 1230 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1231 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1232 | 2005       | Jeep  | Wrangler | 4                    | 5CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593001         | ALL              |
| 1233 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1234 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1235 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1236 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1237 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | F              | DIRECT FIT          | 4583386         | ALL              |
| 1238 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1239 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1240 | 2006       | Jeep  | Wrangler | 4                    | 6CRXT04.02N0    | LEV1 ULEV           | LDT2         | DS           | TWC,2WU-OC     | 3               | 2                   | R              | DIRECT FIT          | 4593001         | ALL              |
| 1241 | 2004       | Kia   | Sedona   | 3.5                  | 4KMXT03.5F03    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 4583160         | ALL              |
| 1242 | 2004       | Kia   | Sedona   | 3.5                  | 4KMXT03.5F03    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 4583316         | ALL              |
| 1243 | 2004       | Kia   | Sedona   | 3.5                  | 4KMXT03.5F03    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1244 | 2004       | Kia   | Sedona   | 3.5                  | 4KMXT03.5F03    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1245 | 2004       | Kia   | Sedona   | 3.5                  | 4KMXT03.5F03    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 4593544         | ALL              |
| 1246 | 2004       | Kia   | Sorento  | 3.5                  | 4KMXT03.5G02    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FL             | DIRECT FIT          | 4583457         | ALL              |
| 1247 | 2004       | Kia   | Sorento  | 3.5                  | 4KMXT03.5G02    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | FR             | DIRECT FIT          | 4583457         | ALL              |
| 1248 | 2004       | Kia   | Sorento  | 3.5                  | 4KMXT03.5G02    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1249 | 2004       | Kia   | Sorento  | 3.5                  | 4KMXT03.5G02    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1250 | 2004       | Kia   | Sorento  | 3.5                  | 4KMXT03.5G02    | LEV1 ULEV           | LDT2         | DS           | 2WU-TWC,TWC    | 3               | 2                   | R              | DIRECT FIT          | 4593924         | ALL              |
| 1251 | 2005       | Kia   | Sportage | 2                    | 5KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583349         | ALL              |
| 1252 | 2005       | Kia   | Sportage | 2                    | 5KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1253 | 2005       | Kia   | Sportage | 2                    | 5KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1254 | 2005       | Kia   | Sportage | 2                    | 5KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593483         | ALL              |
| 1255 | 2006       | Kia   | Sportage | 2                    | 6KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583349         | ALL              |
| 1256 | 2006       | Kia   | Sportage | 2                    | 6KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1257 | 2006       | Kia   | Sportage | 2                    | 6KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1258 | 2006       | Kia   | Sportage | 2                    | 6KMXT02.0KV9    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593483         | ALL              |
| 1259 | 2005       | Lexus | LX470    | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1260 | 2005       | Lexus | LX470    | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1262 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1263 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1264 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1265 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1266 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1267 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1268 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1269 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583422         | ALL              |
| 1270 | 2005       | Lexus   | LX470     | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583422         | ALL              |
| 1271 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 1272 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 1273 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 1274 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 1275 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 1276 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 1277 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 1278 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 1279 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1280 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1281 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1282 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1283 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583077         | 2WD              |
| 1284 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583077         | 2WD              |
| 1285 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RF5    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583029         | ALL              |
| 1286 | 2003       | Lincoln | Navigator | 5.4                  | 3FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583029         | ALL              |
| 1287 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1288 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1289 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1290 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1291 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1292 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1293 | 2004       | Lincoln | Aviator   | 4.6                  | 4FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583028         | ALL              |
| 1294 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | UNIVERSAL           | 4583376         | 2WD              |
| 1295 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | UNIVERSAL           | 4583376         | ALL              |
| 1296 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | 2WD              |
| 1297 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | 2WD              |
| 1298 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1299 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1300 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UL             | DIRECT FIT          | 4583077         | 2WD              |
| 1301 | 2004       | Lincoln | Navigator | 5.4                  | 4FMXT05.4RFC    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | UR             | DIRECT FIT          | 4583029         | ALL              |
| 1302 | 2005       | Lincoln | Aviator   | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |

| Appendix D-193-188                               |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|---------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |         |         |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                             | 2005       | Lincoln | Aviator | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1304                                             | 2005       | Lincoln | Aviator | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1305                                             | 2005       | Lincoln | Aviator | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1306                                             | 2005       | Lincoln | Aviator | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1307                                             | 2005       | Lincoln | Aviator | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1308                                             | 2005       | Lincoln | Aviator | 4.6                  | 5FMXT04.62FA    | LEV1 ULEV           | MDV2         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583028         | ALL              |
| 1309                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | DIRECT FIT          | 4583312         | ALL              |
| 1310                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | DIRECT FIT          | 4583313         | ALL              |
| 1311                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1312                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1313                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | DIRECT FIT          | 4593566         | ALL              |
| 1314                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1315                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1316                                             | 2002       | Mazda   | MPV     | 3                    | 2TKXT03.0GLA    | LEV1 ULEV           | LDT2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | DIRECT FIT          | 4593567         | ALL              |
| 1317                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583020         | ALL              |
| 1318                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1319                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1320                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1321                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1322                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1323                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1324                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1325                                             | 2004       | Mazda   | B3000   | 3                    | 4FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 1326                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583294         | 4WD              |
| 1327                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583294         | 4WD              |
| 1328                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583023         | 2WD              |
| 1329                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583023         | 2WD              |
| 1330                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583295         | 4WD              |
| 1331                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583295         | 4WD              |
| 1332                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 1333                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | 2WD              |
| 1334                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | 2WD              |
| 1335                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | 2WD              |
| 1336                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 1337                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | 2WD              |
| 1338                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | 4WD              |
| 1339                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | 4WD              |
| 1340                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 1341                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | 2WD              |
| 1342                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593305         | 4WD              |
| 1343                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593305         | 4WD              |
| 1344                                             | 2004       | Mazda   | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593306         | 4WD              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593306         | 4WD              |
| 1346 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | 2WD              |
| 1347 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | 2WD              |
| 1348 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 1349 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | 2WD              |
| 1350 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1351 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1352 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02K2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 1353 | 2004       | Mazda | B4000   | 4                    | 4FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 1354 | 2004       | Mazda | Tribute | 3                    | 4TKXT03.0ALC    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | DIRECT FIT          | 4583370         | ALL              |
| 1355 | 2004       | Mazda | Tribute | 3                    | 4TKXT03.0ALC    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | DIRECT FIT          | 4583298         | ALL              |
| 1356 | 2004       | Mazda | Tribute | 3                    | 4TKXT03.0ALC    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1357 | 2004       | Mazda | Tribute | 3                    | 4TKXT03.0ALC    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1358 | 2004       | Mazda | Tribute | 3                    | 4TKXT03.0ALC    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593419         | ALL              |
| 1359 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583020         | ALL              |
| 1360 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1361 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1362 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1363 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1364 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1365 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1366 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1367 | 2005       | Mazda | B3000   | 3                    | 5FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 1368 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583294         | MANUAL           |
| 1369 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583295         | AUTOMATIC        |
| 1370 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | AUTOMATIC        |
| 1371 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | MANUAL           |
| 1372 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593305         | AUTOMATIC        |
| 1373 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593305         | MANUAL           |
| 1374 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 1375 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593306         | MANUAL           |
| 1376 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1377 | 2005       | Mazda | B4000   | 4                    | 5FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 1378 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583020         | ALL              |
| 1379 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1380 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1381 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1382 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1383 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1384 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1385 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1386 | 2006       | Mazda | B3000   | 3                    | 6FMXT03.02KA    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |

**Appendix D-193-188**

**Car Sound Exhaust System, Inc. 4583000 / 4593000**

| 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       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583294         | MANUAL           |
| 1388 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | F              | DIRECT FIT          | 4583295         | AUTOMATIC        |
| 1389 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | MANUAL           |
| 1390 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583374         | AUTOMATIC        |
| 1391 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593305         | AUTOMATIC        |
| 1392 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593305         | MANUAL           |
| 1393 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593306         | AUTOMATIC        |
| 1394 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4593306         | MANUAL           |
| 1395 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593309         | ALL              |
| 1396 | 2006       | Mazda         | B4000 | 4                    | 6FMXT04.02KM    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | DIRECT FIT          | 4593010         | ALL              |
| 1397 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1398 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1399 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1400 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1401 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1402 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1403 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1404 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1405 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1406 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583844         | ALL              |
| 1407 | 2000       | Mercedes-Benz | ML320 | 3.2                  | YMBXT03.2GND    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583845         | ALL              |
| 1408 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1409 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1410 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1411 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1412 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1413 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1414 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583865         | ALL              |
| 1415 | 2001       | Mercedes-Benz | ML320 | 3.2                  | 1MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583866         | ALL              |
| 1416 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1417 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1418 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1419 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1420 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1421 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1422 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583865         | ALL              |
| 1423 | 2002       | Mercedes-Benz | ML320 | 3.2                  | 2MBXT03.21BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583866         | ALL              |
| 1424 | 2003       | Mercedes-Benz | ML320 | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1425 | 2003       | Mercedes-Benz | ML320 | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1426 | 2003       | Mercedes-Benz | ML320 | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1427 | 2003       | Mercedes-Benz | ML320 | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1428 | 2003       | Mercedes-Benz | ML320 | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |

| Appendix D-193-188                               |            |               |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------------|-------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |               |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                             | 2003       | Mercedes-Benz | ML320             | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1430                                             | 2003       | Mercedes-Benz | ML320             | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583843         | ALL              |
| 1431                                             | 2003       | Mercedes-Benz | ML320             | 3.2                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583847         | ALL              |
| 1432                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1433                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1434                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1435                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1436                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1437                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1438                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583116         | ALL              |
| 1439                                             | 2003       | Mercedes-Benz | ML350             | 3.7                  | 3MBXT03.71BI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583115         | ALL              |
| 1440                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583374         | ALL              |
| 1441                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583374         | ALL              |
| 1442                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1443                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1444                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1445                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1446                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583116         | ALL              |
| 1447                                             | 2004       | Mercedes-Benz | ML350             | 3.7                  | 4MBXT03.7UBI    | LEV1 ULEV           | MDV2         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583115         | ALL              |
| 1448                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1449                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1450                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1451                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1452                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1453                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1454                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1455                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1456                                             | 2004       | Mercury       | Mountaineer       | 4                    | 4FMXT04.02K6    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583030         | ALL              |
| 1457                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1458                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1459                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1460                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1461                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1462                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1463                                             | 2004       | Mercury       | Mountaineer       | 4.6                  | 4FMXT04.62H2    | LEV1 ULEV           | LDT2         | DS           | 2TWC,TWC       | 3               | 2                   | U              | DIRECT FIT          | 4583028         | ALL              |
| 1464                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583380         | ALL              |
| 1465                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583381         | ALL              |
| 1466                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1467                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1468                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593218         | ALL              |
| 1469                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1470                                             | 2004       | Nissan        | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |

| Appendix D-193-188                               |            |         |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|---------|-------------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |         |                   |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                             | 2004       | Nissan  | Pathfinder Armada | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593217         | ALL              |
| 1472                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583380         | ALL              |
| 1473                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583381         | ALL              |
| 1474                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1475                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1476                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593218         | ALL              |
| 1477                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1478                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1479                                             | 2004       | Nissan  | TITAN             | 5.6                  | 4NSXT05.6P9B    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593217         | ALL              |
| 1480                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583367         | ALL              |
| 1481                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583366         | ALL              |
| 1482                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583368         | ALL              |
| 1483                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583369         | ALL              |
| 1484                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593372         | ALL              |
| 1485                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593371         | ALL              |
| 1486                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593375         | ALL              |
| 1487                                             | 2003       | Porsche | Cayenne           | 4.5                  | 3PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593376         | ALL              |
| 1488                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583367         | ALL              |
| 1489                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583366         | ALL              |
| 1490                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583368         | ALL              |
| 1491                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583369         | ALL              |
| 1492                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593373         | ALL              |
| 1493                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593372         | ALL              |
| 1494                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593376         | ALL              |
| 1495                                             | 2004       | Porsche | Cayenne           | 4.5                  | 4PRXT04.5SE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593377         | ALL              |
| 1496                                             | 2005       | Porsche | Cayenne           | 4.5                  | 5PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583367         | ALL              |
| 1497                                             | 2005       | Porsche | Cayenne           | 4.5                  | 5PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583369         | ALL              |
| 1498                                             | 2005       | Porsche | Cayenne           | 4.5                  | 5PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593372         | ALL              |
| 1499                                             | 2005       | Porsche | Cayenne           | 4.5                  | 5PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593376         | ALL              |
| 1500                                             | 2006       | Porsche | Cayenne           | 4.5                  | 6PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583367         | ALL              |
| 1501                                             | 2006       | Porsche | Cayenne           | 4.5                  | 6PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583369         | ALL              |
| 1502                                             | 2006       | Porsche | Cayenne           | 4.5                  | 6PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593372         | ALL              |
| 1503                                             | 2006       | Porsche | Cayenne           | 4.5                  | 6PRXT04.5TE1    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593376         | ALL              |
| 1504                                             | 2005       | Subaru  | Outback           | 2.5                  | 5FJXX02.5YNX    | LEV1 ULEV           | LDT2         | S            | TWC(3)         | 3               | 2                   | U              | DIRECT FIT          | 4583490         | ALL              |
| 1505                                             | 2006       | Subaru  | Baja              | 2.5                  | 6FJXT02.5PGT    | LEV1 ULEV           | LDT2         | S            | TWC(3)         | 3               | 2                   | FL             | DIRECT FIT          | 4583596         | MANUAL           |
| 1506                                             | 2006       | Subaru  | Baja              | 2.5                  | 6FJXT02.5PGT    | LEV1 ULEV           | LDT2         | S            | TWC(3)         | 3               | 2                   | FL             | DIRECT FIT          | 4583416         | AUTOMATIC        |
| 1507                                             | 2006       | Subaru  | Baja              | 2.5                  | 6FJXT02.5PGT    | LEV1 ULEV           | LDT2         | S            | TWC(3)         | 3               | 2                   | FR             | DIRECT FIT          | 4583984         | ALL              |
| 1508                                             | 2006       | Subaru  | Baja              | 2.5                  | 6FJXT02.5PGT    | LEV1 ULEV           | LDT2         | S            | TWC(3)         | 3               | 2                   | R              | DIRECT FIT          | 4593627         | ALL              |
| 1509                                             | 2005       | Toyota  | Highlander        | 2.4                  | 5TYXT02.4VMM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583859         | ALL              |
| 1510                                             | 2005       | Toyota  | Highlander        | 2.4                  | 5TYXT02.4VMM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1511                                             | 2005       | Toyota  | Highlander        | 2.4                  | 5TYXT02.4VMM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1512                                             | 2005       | Toyota  | Highlander        | 2.4                  | 5TYXT02.4VMM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593408         | ALL              |

| Appendix D-193-188                               |            |            |              |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
|--------------------------------------------------|------------|------------|--------------|----------------------|-----------------|---------------------|--------------|--------------|----------------|-----------------|---------------------|----------------|---------------------|-----------------|------------------|
| Car Sound Exhaust System, Inc. 4583000 / 4593000 |            |            |              |                      |                 |                     |              |              |                |                 |                     |                |                     |                 |                  |
| 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                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583305         | ALL              |
| 1514                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583306         | ALL              |
| 1515                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FL             | UNIVERSAL           | 4583304         | ALL              |
| 1516                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583305         | ALL              |
| 1517                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583306         | ALL              |
| 1518                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | FR             | UNIVERSAL           | 4583304         | ALL              |
| 1519                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593305         | ALL              |
| 1520                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RL             | UNIVERSAL           | 4593306         | ALL              |
| 1521                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593305         | ALL              |
| 1522                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | RR             | UNIVERSAL           | 4593306         | ALL              |
| 1523                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UL             | DIRECT FIT          | 4583422         | ALL              |
| 1524                                             | 2005       | Toyota     | Land Cruiser | 4.7                  | 5TYXT04.7VWW    | LEV1 ULEV           | MDV3         | D            | 2WU-TWC,2TWC   | 4               | 2                   | UR             | DIRECT FIT          | 4583422         | ALL              |
| 1525                                             | 2006       | Toyota     | Highlander   | 2.4                  | 6TYXT02.45MM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | F              | DIRECT FIT          | 4583859         | ALL              |
| 1526                                             | 2006       | Toyota     | Highlander   | 2.4                  | 6TYXT02.45MM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593305         | ALL              |
| 1527                                             | 2006       | Toyota     | Highlander   | 2.4                  | 6TYXT02.45MM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | UNIVERSAL           | 4593306         | ALL              |
| 1528                                             | 2006       | Toyota     | Highlander   | 2.4                  | 6TYXT02.45MM    | LEV1 ULEV           | LDT2         | S            | WU-TWC,TWC     | 2               | 1                   | R              | DIRECT FIT          | 4593408         | ALL              |
| 1529                                             | 2004       | Volkswagen | Touareg      | 4.2                  | 4ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583129         | ALL              |
| 1530                                             | 2004       | Volkswagen | Touareg      | 4.2                  | 4ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583152         | ALL              |
| 1531                                             | 2004       | Volkswagen | Touareg      | 4.2                  | 4ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593154         | ALL              |
| 1532                                             | 2004       | Volkswagen | Touareg      | 4.2                  | 4ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593156         | ALL              |
| 1533                                             | 2005       | Volkswagen | Touareg      | 4.2                  | 5ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583129         | ALL              |
| 1534                                             | 2005       | Volkswagen | Touareg      | 4.2                  | 5ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583152         | ALL              |
| 1535                                             | 2005       | Volkswagen | Touareg      | 4.2                  | 5ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593154         | ALL              |
| 1536                                             | 2005       | Volkswagen | Touareg      | 4.2                  | 5ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593156         | ALL              |
| 1537                                             | 2006       | Volkswagen | Touareg      | 4.2                  | 6ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FL             | DIRECT FIT          | 4583129         | ALL              |
| 1538                                             | 2006       | Volkswagen | Touareg      | 4.2                  | 6ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | FR             | DIRECT FIT          | 4583152         | ALL              |
| 1539                                             | 2006       | Volkswagen | Touareg      | 4.2                  | 6ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RL             | DIRECT FIT          | 4593154         | ALL              |
| 1540                                             | 2006       | Volkswagen | Touareg      | 4.2                  | 6ADXT04.2348    | LEV1 ULEV           | MDV3         | D            | 2TWC(2)        | 4               | 2                   | RR             | DIRECT FIT          | 4593156         | ALL              |