State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER D-425-8

Relating to Exemptions Under Section 27156
of the Vehicle Code

Toyota Racing Development
Tubular Exhaust System

Pursuant to the authority vested in the Air Resources Board by Section 27156 of the Vehicle Code; and

Pursuant to the authority vested in the undersigned by Section 39515 and Section 39516 of the Health and Safety Code and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the installation of the Tubular Exhaust System, manufactured and marketed by the Toyota Racing Development, 1382 Valencia Avenue, Tustin, California 92780 has been found not to reduce the effectiveness of the applicable vehicle pollution control system and, therefore, is exempt from the prohibitions of Section 27156 of the Vehicle Code for the vehicle applications listed:

| **Part No.** | **Application** |
|---|---|
| 00602-17141-010 | 1999-2001 4.7L Landcruiser, LX470, and Tundra |
| 00642-17141-013 | 1983-1995 2.2L/2.4L SR5 truck, 1984-1987 2.2L/2.4L 4Runner |
| 00642-17141-014 | 1983-1995 2.2L/2.4L SR5 truck, 1984-1987 2.2L/2.4L 4Runner |

This Executive Order is valid provided that the installation instructions for the Tubular Exhaust System will not recommend tuning the vehicle to specifications different from those of the vehicle manufacturer.

The Tubular Exhaust System, part no. 00602-17141-010, is a long tube header manufactured out of a 1 ½ inch outside diameter (o.d.), 16 gage stainless steel tubing. Part nos. 00642-17141-013 and 00642-17141-014 are long tube headers manufactured out of a 1 3/8 inch o.d., 16 gage mild steel tubing with a ceramic coating. The location of the oxygen sensor is moved downstream on part no. 00602-17141-010 only, a wire extension is supplied for the right hand side oxygen sensor.

Changes made to the design or operating conditions of the Tubular Exhaust System, as exempt by the Air Resources Board, which adversely affect the performance of the vehicle's pollution control system shall invalidate this Executive Order.

This Executive Order shall not apply to any Tubular Exhaust System advertised, offered for sale, sold with, or installed on a new motor vehicle prior to or concurrent with transfer to an ultimate purchaser.

This Executive Order is granted based on the emissions test data on two vehicles certified to the Low Emission Vehicle (LEV) emission standards:

| | 1999 4Runner, 3.4L | | | | 2001 Tundra, 4.7L | | | |
|---|---|---|---|---|---|---|---|---|
| | NMOG | CO | NOX | HCHO | NMOG | CO | NOX | HCHO |
| Standard | 0.100 | 4.4 | 0.4 | 0.018 | 0.160 | 4.4 | 0.4 | 0.018 |
| Device w/ dfs | 0.059 | 0.6 | 0.2 | 0.003 | 0.134 | 1.1 | 0.2 | 0.001 |

Test results showed that tailpipe emissions with the Tubular Exhaust System installed on the vehicles met the applicable emission standards during a Cold Start CVS-75 Federal Test Procedure. This Executive Order is also based on the On Board Diagnostic II (OBD II) testing conducted on the same test vehicles. Test data showed that the Tubular Exhaust System when installed on the vehicles did not affect the vehicle's ability to perform its OBD II monitoring.

THIS EXECUTIVE ORDER DOES NOT CONSTITUTE A CERTIFICATION, ACCREDITATION, APPROVAL, OR ANY OTHER TYPE OF ENDORSEMENT BY THE AIR RESOURCES BOARD OF ANY CLAIMS OF THE APPLICANT CONCERNING ANTI-POLLUTION BENEFITS OR ANY ALLEGED BENEFITS OF THE TOYOTA RACING DEVELOPMENT'S TUBULAR EXHAUST SYSTEM.

No claim of any kind, such as "Approved by the Air Resources Board", may be made with respect to the action taken herein in any advertising or other oral or written communication.

Violation of any of the above conditions shall be grounds for revocation of this order. The order may be revoked only after a ten-day written notice of intention to revoke the order, in 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 ten 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 at El Monte, California, this 22nd day of August 2001.

R. B. Summerfield, Chief
Mobile Source Operations Division