State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-277
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1995 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for light-duty trucks:

Fuel Type: Gasoline

Engine Family: STY2.71HG1GK Displacement: 2.7 Liters (164.4 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Multiport Fuel Injection
Exhaust Gas Recirculation
Heated Oxygen Sensors (two)
Three Way Catalytic Converter
On-Board Diagnostic II

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

| Loaded Vehicle Weight (lbs.) | Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|---|
| 0-3750 | 50,000 | 0.25 | 3.4 | 0.4 |
| | 100,000 | 0.31 | 4.2 | n/a |

The certification exhaust emission values for this engine family in grams per mile are:

| Loaded Vehicle Weight (lbs.) | Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|---|
| 0-3750 | 50,000 | 0.17 | 2.4 | 0.2 |
| | 100,000 | 0.19 | 2.7 | n/a |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles", and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 23rd day of November, 1994.

Norman Kaye for
R. B. Summerfield
Assistant Division Chief
Mobile Source Division

# 1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
## PASSENGER ARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: TOYOTA  Engine family: STY2.71HG1GK
Evaporative Family: STYI095AYM10  Evap. Std: 50K  Useful life with R/L x
Exh Std: Tier-0  Tier-1 x  TLEV  LEV  ULEV  ZEV;  EPA Tier-0  EPA Tire-1
Veh Class(es): PC  LDT1 x LDT2  MDV1  MDV2  MDV3  MDV4  MDV5
Single Cert Std for Multi-Class Eng Fam:  (specify:N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
Exh Cert Fuel(s): Indo  Ph2 x  Diesel: 13 CCR 2282  or 40 CFR 86.113-90  or -94
M85  CNG  LPG  Other(specify)
Fuel Type(s): Dedicated x  Flex-Fuel  Dual-Fuels  Gasoline x  Diesel  M85
CNG  LNG  LPG  Other(specify)
Hybrid:Type A  B  C  , APU Cycle(e.g., Otto, Diesel, Turbine)Otto
Engine Configuration:I-4 Displacement:2.7/  Liters  164.4/  Cubic Inches
Engine:Front x  Mid  Rear  Drive:FWD  RWD  4WD-FT  4WD-PT x
Exhaust ECS(eg., EGR, MFI, TC, CAC): MFI, EGR, HO2S(2), TWC ~~WTWS~~
(use abbreviations per SAE J1930 SEP91)

| Engine Code/ (also list CA/49/ 50ST) | Vehicle Models (If Coded see attachmt) | Trans. Type: A or L -Auto M-Man. | ETW | DPA or RLHP | Ignition (ECM/PCM) Part No. | EGR System Part No. | Cataly -tic conve r-ter part No. |
|---|---|---|---|---|---|---|---|
| 1 | RZN161L-TRMDKAB<br>RZN171L-CRMDKAB | M5 | 3625<br>3750 | 14.0,<br>14.6 | 89661-04070 | 25621-75040 | S93 |
| 2 | RZN161L-TRMDKAB<br>RZN171L-CRMDKAB | | 3625<br>3750 | 15.4,<br>16.0 | | | |
| 3 | RZN161L-TRPDKAB<br>RZN171L-CRPDKAB | L4 | 3625<br>3750 | 14.0,<br>14.6 | 89661-04080 | 25620-75050 | |
| 4 | RZN161L-TRPDKAB<br>RZN171L-CRPDKAB | | 3625<br>3750 | 15.4,<br>16.0 | | | |
| 1R1 | RZN161L-TRMDKAB<br>RZN171L-CRMDKAB | M5 | 3625<br>3750 | 14.0,<br>14.6 | 89661-04071 | 25620-75040 | |
| 2R1 | RZN161L-TRMDKAB<br>RZN171L-CRMDKAB | | 3625<br>3750 | 15.4,<br>16.0 | | | |

Comments : Please refer to manufacturer's HP list for correct dyno test HP setting based on model and equipment.

VEHICLE MODELS:

TOYOTA TACOMA 4WD

RZN161L-TRMDKAB
-TRPDKAB
RZN171L-CRMDKAB
-CRPDKAB