

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: STY2.7IHG1GK 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:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
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:

<u>Loaded Vehicle Weight (lbs.)</u>	<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
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.


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: STY2.7IHG1GK
 Evaporative Family: STY1095AYM10 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-I
 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
 (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.	Catalytic converter part No.
1	RZN161L-TRMDKAB RZN171L-CRMDKAB	M5	3625	14.0,	89661-04070	25621-75040	S93
			3750	14.6			
2	RZN161L-TRMDKAB RZN171L-CRMDKAB	M5	3625	15.4,	89661-04070	25621-75040	S93
			3750	16.0			
3	RZN161L-TRPDKAB RZN171L-CRPDKAB	L4	3625	14.0,	89661-04080	25620-75050	S93
			3750	14.6			
4	RZN161L-TRPDKAB RZN171L-CRPDKAB	L4	3625	15.4,	89661-04080	25620-75050	S93
			3750	16.0			
1R1	RZN161L-TRMDKAB RZN171L-CRMDKAB	M5	3625	14.0,	89661-04071	25620-75040	S93
			3750	14.6			
2R1	RZN161L-TRMDKAB RZN171L-CRMDKAB	M5	3625	15.4,	89661-04071	25620-75040	S93
			3750	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