

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-86
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 1986 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GTY2.4T2FCC8	144.4 (2.4)	Air Injection-Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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

The following are the emission standards for this engine family:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0-3999	0.39	9.0	1.0

The following are the certification emission values for this engine family:

<u>Equivalent Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999	0.19	5.8	0.5

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

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 regulations (Title 13, California Administrative Code, 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 26th day of July, 1985.


K. D. Drachand, Chief
Mobile Source Division

Manufacturer Toyota Motor CorporationExecutive Order No. A-14-86Engine Family GY2.4T2PCC8Evaporative Family EV-REngine CID (Liters) 144.4 (2.4)**ABBREVIATIONS**Ignition System

CA-Centrifugal Advance

ECC-Electronic Engine Control

EI-Electronic Ignition

ESAC-Electronic Spark Advance
Control

VA-Vacuum Advance

VR-Vacuum Retard

Exhaust Emissions Control System

AIP-Air Injection-Pump

AIV-Air Injection-Valve

CL-Closed Loop

EGR-Exhaust Gas Recirculation

EM-Engine Modification

OC-Oxidation Catalyst System

TOC-Trap Oxidizer Continual

TOP-Trap Oxidizer Periodical

TR-Thermal Reactor

TWC-Three Way Catalyst System

Special Features

CCV-Combustion

Chamber Valve

CPI-Central Fuel
Injection

DID-Diesel

Injection-

Direct

DIP-Diesel

Injection-

Prechamber

EFI-Electronic
Fuel Injection

IC-Intercooler

MFI-Mechanical

Fuel Injection

TC-Turbocharged

Fuel System

CPI, CL, DID, DIP, EFI, MFI

nV-nVenturi Carburetor

VW-Variable Venturi

VEHICLE MODELS :Truck 2WD

RN50L-KRA

-MRA

-SRA

Truck 2WD

RN55L-MRA

-MDA

-SRA

-SDA

Truck 2WD

RN70L-MDCA

-SDCA

Truck 4WD

RN61L-MRA

RN66L-MDA

-MDCA

DRIVE SYSTEM : RN50L, RN55L, RN70L series; Front Engine/Rear - Wheel DriveRN61L, RN66L series; Front Engine/4 - Wheel Drive

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles Gas Diesel

Manufacturer Toyota Motor Corporation Page 2

Engine Family GY2.4T2F008 Engine Code 1 thru 4

ECS (Special Features) AIV + CL + EGR + TWC CID (Liter)- 144.4(2.4) Type 4 cyl. in-line

Engine code	Vehicle Models (If Coded see attachment) Refer to 08.13.03.00	Trans.	Equiv. Test Weight	Ign. System CA, EI, VA Part No. [Distributor]	Fuel System CL, 2V Part No. [Carburetor]	EGR Valve Part No.	Label Ident. Part No.
1, 2	RN50L-KRA	M4	2,750 2,875	19100-35150	21100-35310	25620-35120	11298-35810
	RN50L-MRA RN55L-MRA -MDA RN70L-MDCA	M5	2,875 3,000				
	RN61L-MRA RN66L-MDA -MDCA	M5	3,500				
3, 4,	RN50L-SRA RN55L-SRA -SDA RN70L-SDCA	M4	2,875 3,000		21100-35390		

Comments : See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.