

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-61
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 1984 model-year Toyota Motor Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
ETY2.4V5FBB3	144.4 (2.4)	Three-Way Catalyst with Closed Loop Exhaust Gas Recirculation (Electronic Fuel Injection)

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.19	1.9	0.4

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of 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 Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 15th day of September, 1983



K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 1Manufacturer Toyota Motor CorporationExecutive Order No. A-14-67Engine Family ETV2.4V5FBB3Evaporative Family EV-EEngine CID (Liters) 144.4 (2.4)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance

EEC-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

TR-Thermal Reactor

TWC-Three Way Catalyst System

Special Features

CCV-Combustion

Chamber Valve

CFI-Central Fuel
Injection

DID-Diesel

Injection-

Direct

DIP-Diesel

Injection-

Prechamber

Fuel System

CFI, CL, DID, DIP, EFI, MFI

nV-nVenturi Carburetor

VW-Variable Venturi

MFI-Mechanical

Fuel Injection

TC-Turbocharged

DRIVE SYSTEM : Rear Wheel Drive

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 2x Passenger Cars Light-Duty Trucks Medium-Duty Vehicles x Gas DieselManufacturer Toyota Motor Corporation E.O. #A -14-61Engine Family ET2.4V5FEB3 CID(liter) - Type 144.4 (2.4) 4 cyl. in-lineECS (Special Features) EGR + TWC + CL (EFI)

Engine code	Vehicle Models (If Coded see attachment) Refer to 08.13.03.00	Trans.	Ign. System EI, CA, VA Part No.	Fuel System EFI, CL Part No.	EGR Valve Part No.	Label Ident. Part No.
1 thru 4	RA64L-BCMSEA -BCMSEA -ELMSEA RA65L-BCMSEA -ELMSEA	M5	19100-35120	Computer 89561-14172 Air flow meter 22250-35010 Injector 23209-45011	25620-35070	11298-35580
4	RA65L-BRMSEA					
5 thru 8	RA64L-BCPSEA -BCPSEA -BLPSEA	A4		Computer 89561-14182 Air flow meter 22250-35010 Injector 23209-45011		

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.