

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-54  
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR CO., LTD.

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 1983 model-year Toyota Motor Co., Ltd. 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>
DTY2.4T2EBBX	144.4 (2.4)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<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>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0-3999 0.19	<del>4.9</del> 4.1	0.4

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BE IT FURTHER RESOLVED: That the listed vehicle 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 16<sup>th</sup> day of August, 1982.



K. D. Drachand, Chief  
Mobile Source Control Division

## 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyota Motor Co., Ltd. Executive Order No. A-14-54 Page 1Engine Family DTY2.4T2EBBX Evaporative Family EV-R1-EV-R2Engine 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  
 VV-Variable Venturi

MFI-Mechanical Fuel Injection  
 TC-Turbocharged

## Model covered:

Sales namesVehicle models

Standard Bed Truck - - - - -	RN34L-KRA (EV-R1)
SR5 Sport Truck - - - - -	RN34L-MSA †
Long Bed Truck - - - - -	RN44L-KRA †
Long Bed Deluxe Truck - - - - -	RN44L-MDA †
	RN44L-PDA †
SR5 Long Bed Sport Truck - - - - -	RN44L-MSA †
	RN44L-PSA †
3/4 Ton Truck - - - - -	RN44L-MRHA †
Cab & Chassis - - - - -	RN44L-KRA3W (EV-R2)
(Camper, Commercial)	RN44L-KDA3W †
4-Wheel Drive Standard Bed Deluxe Truck - - - - -	RN38L-MDA †
4-Wheel Drive SR5 Sport Truck - - - - -	RN38L-MSA †
4-Wheel Drive Long Bed Deluxe Truck - - - - -	RN48L-MDA †
4-Wheel Drive SR5 Long Bed Sport Truck - - - - -	RN48L-MSA †
(1) Standard Bed Truck - - - - -	RN34L-PRA (EV-R1)

DRIVE SYSTEM: Front Engine/ *Rear Drive or 4 wheel drive*

(1) Model added 3-15-83

Passenger Cars ☒ Light-Duty Trucks ☐ Medium-Duty Vehicles ☒ Gas ☐ Diesel ☐  
Manufacturer Toyota Motor Co., Ltd. E.O. #A 14-59  
Engine Family DTY2.4T2EBBX CID(liter) - Type 144.4 (2.4) I-4  
ECS (Special Features) AIP + EGR + TWC + CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System EI, CA, VA Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
1,3	RN48L-KRA3W RN48L-KDA3W	M4	Nippondenso 19100-35130	21100-35210	25620-35090	11298-35360
2,4	RN38L-MDA RN38L-MSA RN48L-MDA RN48L-MSA	M5				11298-35400

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.

Date of Issue -

Revisions :

011981

## 1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Page 3X Passenger Cars      Light-Duty Trucks      Medium-Duty Vehicles X Gas      DieselManufacturer Toyota Motor Co., Ltd. E.O. #A 14-51Engine Family DTY2.4T2EBBX CID(liter) - Type 144.4 (2.4) I-4ECS (Special Features) AIP + EGR + TWC + CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System EI, CA, VA Part No.	Fuel System 2V Part No.	EGR Valve Part No.	Label Ident. Part No.
2,4	RN34L-KRA RN44L-KRA	M4	Nippondenso 19100-35130	21100-35210	25620-35090	11298-35340
	RN34L-MSA RN44L-MDA RN44L-MSA RN44L-MRHA	M5				
5,6	RN44L-PDA RN44L-PSA RN34L-PRA	A4		21100-35230		

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.

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