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.

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.3999 0.39	9.0	1.0

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.3999 0.19	~~4.9~~ 4.1 Toyota made mistake converting	0.4

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 16th 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 1

Engine Family DTY2.4T2EBBX Evaporative Family EV-R1 - EV-R2

Engine 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 names	Vehicle 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

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1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyota Motor Co., Ltd. E.O. #A 77-54

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

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

Manufacturer Toyota Motor Co., Ltd. E.O. #A 145

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.
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.

Date of Issue —

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