

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-51  
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 passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
DTY2.4V5FBB2	144.4 (2.4)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

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>
0.39	7.0	0.7

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>
0.20	1.9	0.5

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.

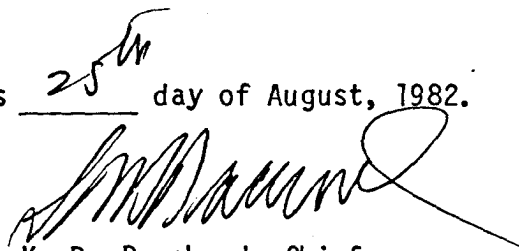
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

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 25<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-14-51 Page 1

Engine Family DTY2.4V5FBB2 Evaporative Family EV-E  
 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:

<u>Sales names</u>	<u>Vehicle models</u>
Celica GT Sport Coupe - - - - -	RA64L-BCMQEA
	RA64L-BCPQEA
Celica GT-S Coupe - - - - -	RA65L-BCMQEA
Celica GT Liftback - - - - -	RA64L-BLMQEA
	RA64L-BLPQEA
Celica GT-S Liftback - - - - -	RA65L-BLMQEA

DRIVE SYSTEM: Front Engine/Rear Drive

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyota Motor Co., Ltd. E.O. #A =14-51

Engine Family DTY2.4V5FBB2 CID(liter) - Type 144.4 (2.4) I-4

ECS (Special Features) EGR + TWC + CL (EFI)

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System EI, CA, VA Part No.	Fuel System EFI, CL Part No.	EGR Valve Part No.	Label Ident. Part No.
1,2,3,4	RA64L-BCMQEA	M5	Nippondenso 19100-35120	Computer	25620-35070	11298-15260
	RA64L-BLMQEA			89561-14170		
	RA65L-BCMQEA			Air flow meter		
	RA65L-BLMQEA			22250-35010		
5,6,7,8	RA64L-BCPQEA	A4		Injector		
	RA64L-BLPQEA			23250-45011		
				Computer		
				89561-14180		
				Air flow meter		
				22250-35010		
				Injector		
				23250-45011		

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.

Date of Issue -

Revisions :