

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-50
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>
DTY1.6V2FCC8	88.6, 96.8 (1.5, 1.6)	Air Injection - Valve 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>
0.39	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>
0.29	3.9	0.3

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 17th day of August, 1982.


K. D. Drachand, Chief
Mobile Source Control Division

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Manufacturer Toyota Motor Co., Ltd. Executive Order No. A-14-50 Page 1

Engine Family DTY1.6V2FCC8 Evaporative Family EV-A

Engine CID (Liters) 88.6/96.8 (1.5/1.6)

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

DRIVE SYSTEM: Front Engine/ Front Drive (AL21L model)
 Front Engine/ 4 Wheel Drive (AL25LG model)
 Front Engine/ Rear Drive (AE71L(G) model)

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1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyota Motor Co. Executive Order No. A-14-50 Page 2

Engine Family DTY1.6V2FCC8 Evaporative Family EV-A

Engine CID (Liters) 88/6/96.8 (1.5/1.6)

Model covered:

<u>Sales names</u>	<u>Vehicle models</u>
Tercel 3-Door Liftback - - - - -	AL21L-ZGKRCA AL21L-ZGHRCA
Tercel 3-Door Deluxe Liftback - - - - -	AL21L-ZGMDCA AL21L-ZGHDCA
Tercel 3-Door SR5 Liftback - - - - -	AL21L-ZGMQCA
Tercel 5-Door Deluxe Liftback - - - - -	AL21L-ZHMDCA AL21L-ZHHDCA
Tercel 4-Wheel Drive Deluxe Wagon - - - - -	AL25LG-ZWFDCA
Tercel 4-Wheel Drive SR5 Wagon - - - - -	AL25LG-ZWFQCA
Corolla 2-Door Sedan - - - - -	AE71L-EDKRCA
Corolla 2-Door Deluxe Sedan - - - - -	AE71L-EDMDCA AE71L-EDHDCA
Corolla 4-Door Deluxe Sedan - - - - -	AE71L-EEMDCA AE71L-EEHDCA
Corolla Liftback (Deluxe, SR5) - - - - -	AE71L-ELMDCA AE71L-ELHDCA
Corolla SR5 Sport Coupe - - - - -	AE71L-ECMDCA AE71L-ECPDCA
Corolla Hardtop (Deluxe, SR5) - - - - -	AE71L-ESMDCA AE71L-ESHDCA AE71L-ESPDCA
Corolla 5-Door Deluxe Wagon - - - - -	AE71LG-EWMDCA AE71LG-EWHDCA

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles Gas Diesel
 Manufacturer Toyota Motor Co., Ltd. E.O. #A-14-50
 Engine Family DTY1.6V2FCC8 CID(liter) - Type 88.6/96.8 (1.5/1.6) I-4
 ECS (Special Features) AIV + EGR + TWC + CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System EI, CA, VA Part No.	Fuel System 2V, CL Part No.	EGR Valve Part No.	Label Ident. Part No.
1	AL21L-ZGKRCA	M4	Nippondenso 19030-15020	21100-15280	25620-15210	11298-15080
2,3,4,5	AL21L-ZGMDCA AL21L-ZGMQCA AL21L-ZHMDCA AL25LG-ZWFDCA AL25LG-ZWFQCA	M5				
6,7,8,9	AL21L-ZGHRCA AL21L-ZGHDCA AL21L-ZHHDCA	A3				
10,11,12,13	AE71L-EDMDCA AE71L-EEMDCA AE71L-ESMDCA AE71L-ECMDCA AE71L-ELMDCA AE71LG-EWMDCA AE71L-EDKRCA	M5 M4	Nippondenso 19030-16010	21100-16010		11298-16020
14,15,16,17	AE71L-EDHDCA AE71L-EEHDCA AE71L-ESHDC AE71L-ELHDCA AE71LG-EWHDCA AE71L-ESPDCA AE71L-ECPDCA	A3 A4				

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 :