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.

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.39	7.0	0.7

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
0.29	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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Engine Family DTY1.6V2FCC8 Evaporative Family EV-A

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

Model covered:

Sales names	Vehicle models
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

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-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	M5	Nippondenso 19030-16010	21100-16010		11298-16020
	AE71L-EDKRCA	M4				
14,15,16,17	AE71L-EDHDCA AE71L-EEHDCA AE71L-ESHDCA AE71L-ELHDCA AE71LG-EWHDCA	A3				
	AE71L-ESPDCA AE71L-ECPDCA	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 :