

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-69  
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR CORPORATION

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 1985 model-year Toyota Motor Corporation 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>
FTY1.6V5FBB8	96.8 (1.6)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty 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 the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.18	1.5	0.4

BE IT FURTHER RESOLVED: That the listed 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 31st day of August, 1984.

*Bob Gross for*

K. D. Drachand, Chief  
Mobile Source Division

17.10.00 Supplemental data sheets

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Manufacturer Toyota Motor Corporation

Executive Order No. A-14-69

Engine Family FTY1.6V5FBB8

Evaporative Family EV-E

Engine CID (Liters) 96.8 (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  
TOC-Trap Oxidizer Continual  
TOP-Trap Oxidizer Periodical  
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  
EFI-Electronic Fuel Injection  
IC-Intercooler  
MFI-Mechanical Fuel Injection  
TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
nV-nVenturi Carburetor  
W-Variable Venturi

VEHICLE MODELS :

AE86L-ESMQFA } Corolla Sport  
-ECMQFA }

DRIVE SYSTEM : Front Engine/Rear - Wheel Drive

17.10.00 Supplemental data sheets

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Manufacturer Toyota Motor Corporation  
Engine Family FTYL.6V5FBB8

Executive Order No. A-14-69  
Evaporative Family EV-E  
Engine CID (Liters) 96.8 (1.6)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
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CL-Closed Loop  
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CCV-Combustion Chamber Valve  
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-ECMQFA }

DRIVE SYSTEM : Front Engine/Rear - Wheel Drive

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## 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Toyota Motor Corporation Page 2

Engine Family F1Y1.6V5FEB8 Engine Code 1 thru 4

ECS (Special Features) CL + EGR + TWC (EFI) CID (Liter) - 96.8(1.6)  
Type 4 cyl. in-line

Engine code	Vehicle Models (If Coded see attachment) Refer to 08.13.03.00	Trans.	Equiv. Test Weight	Ign. System EEC, EI, ESAE Part No. [Computer]	Fuel System CL, EFI Part No. [Computer] [Air flow meter] [Injector]	EGR Valve Part No.	Label Ident. Part No.
All	AE86L-ECMQFA -ESMQFA	M5	2,625	89691-12090	89691-12090 22250-16010 23250-34030	25620-16030	11298-16160

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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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer Toyota Motor Corporation Page 2  
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 CID (Liter) - 96.8(1.6)  
 ECS (Special Features) CL + EGR + TWC (EFI) Type 4 cyl. in-line

Engine code	Vehicle Models (If Coded see attachment) Refer to 08.13.03.00	Trans.	Equiv. Test Weight	Ign. System EEC, EI, ESAE Part No. [Computer]	Fuel System CL, EFI Part No. [Computer] [Air flow meter] [Injector]	EGR Valve Part No.	Label Ident. Part No.
1 thru 4	AE86L-ECMQFA -ESMQFA	M5	2,625	89691-12090	89691-12090 22250-16010 23250-34030	25620-16030	11298-16160
5 & 6	AW11L-WCMQFA	M5	2,625	89691-17020	89691-17020 22250-16020 23250-34030	25620-16030	11298-16200

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.

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Fuel Injection

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Issued : 06/06/84 85-R-5 : 11/26/84