

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-82  
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 1986 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>
GTY2.0V5FBB3	121.7 (2.0)	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 emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	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>
0.16	1.5	0.3

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for 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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

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 26<sup>th</sup> day of August, 1985.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Toyota Motor CorporationExecutive Order No. A-14-82Engine Family 4Y2.0V5FEB3Evaporative Family EV-2Engine CID (Liters) 121.7 (2.0)**ABBREVIATIONS**Ignition System

CA-Centrifugal Advance

EEC-Electronic Engine Control

EI-Electronic Ignition

ESAC-Electronic Spark Advance

Control

VA-Vacuum Advance

VR-Vacuum Retard

Fuel System

CPI, CL, DID, DIP, EFI, MFI

nV-nVenturi Carburetor

W-Variable Venturi

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

OCV-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

VEHICLE MODELS :

<u>Camry</u>	<u>Celica</u>
SV11L-UEMNEA	ST161L-BOMSEA
-UEMEEA	-BOMVEA
-UEPNEA	-BCPSEA
-UEPEEA	-BCPVEA
-UHMEEA	-BLMVEA
-UHPNEA	-BLPVEA
-UHPEEA	

DRIVE SYSTEM : Front Engine/Front - Wheel Drive

: 17-65

Issued : 06/05/85

Rev. 1 : 07/1/85

## 1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

 Passenger Cars  Light-Duty Trucks  Medium-Duty Vehicles  Gas  DieselManufacturer Toyota Motor Corporation Page 2Engine Family GTY2.0V5FEB3 Engine Code 1 thru 10ECS (Special Features) CL + EGR + TWC (EFI) CID (Liter)- 121.7(2.0)  
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, ESAC Part No. [Computer]	Fuel System CL, EFI Part No. [Computer] [Air flow meter] [Injector]	EGR Valve Part No.	Label Ident. Part No.
1, 3	SV11L-UEMNEA	M5	2,750	89661-32020	89661-32020 22250-74020 23250-45011	25620-74040	11298-74090
2, 4	SV11L-UEMNEA -UEMEEA -UHMEEA	M5	2,750 2,875				
5, 6	SV11L-UEPNEA -UEPEEA -UHPEEA -UHPNEA	A4	2,875 3,000				
7, 8	ST161L-BCMVEA -BCMSEA -BIMVEA	M5	2,875 3,000	89661-20140	89661-20140 22250-74080 23250-45011		
9, 10	ST161L-BCPVEA -BCPSEA -BLPVEA	A4	3,000				

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.