

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-27
Relating to Certification of New Motor Vehicles

TOYOTA MOTOR COMPANY, LTD.

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Toyota Motor Company, Ltd. exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement Cubic Inches</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|--------------------------------------|--|
| 4ME | 156.4 | Three Way Catalyst Exhaust Gas Recirculation (Electronic Fuel Injection) |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

| <u>Engine Family</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|--|---|---|
| 4ME | 0.19 | 2.7 | 0.7 |

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 except Motorcycles".

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.

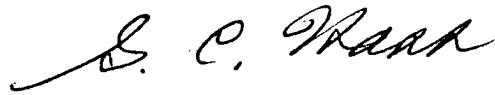
TOYOTA MOTOR COMPANY, LTD.

EXECUTIVE ORDER A-14-27
(Page 2 of 2)

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 25 day of January, 1979.



G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer TOYOTA Executive Order No. A-14-27 Page 1
Engine Family 4ME Engine (CID) 156.4

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System

EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection
CCAV-Comb. Chamber Air Valve
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EEC-Electronic Engine Control
ESAC-Electronic Spark Advance
Control
MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst
(Feedback Control)
WOC-Warm-up Oxidation
Catalyst

Engine Code

XMD-Nx
XMS-NX
XAD-NX
XAS-NX

Model

Celica Supra

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 14-27

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Toyota Motor Company, Ltd. Page 2

Engine Family 4ME Engine (CID) 156.4 Engine Code _____

Emission Control System TWC, EGR, EFI + 10% (A/C) Yes No _____

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans. | Inertia Weight Class (Axle Ratio)* | Ign. Sys. CA,VA,EI Distributor Part No. | Fuel System EFI Part Number | EGR Valve Part Number | Tune-up Specification |
|--------------------------------------|--|----------|------------------------------------|---|--|--|---|
| XMD-NX XMS-NX XAD-NX XAS-NX | Celica Supra | 5M 4A | 3000 | Nippon- denso 19100- 45190 | Computer 89561- 14040 Air Flow Meter 22250- 45030 Injector 23250- 41041 | 25620- 45130 25620- 45131 | (1) Basic Timing (2) Idle Mixture (3) Idle Speed (1) 12° BTDC @ 900 RPM (2) Use EFI checker or Voltmeter, see Repair Manual for details (3) 800 RPM in neutral |

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, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

Date of Issue - Jan. 25, 1979

R/C 78-LDV-23