

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-19
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 for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: 4M
Engine: 156.4 CID
Transmission: 4-speed automatic
Exhaust Emission Control Systems: Air Injection, Exhaust Gas
Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 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>
4M	0.27	3.4	1.1

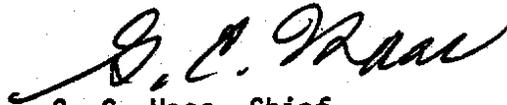
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-14-1 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

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

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

Executed at El Monte, California, this 28 day of September, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyota Executive Order No. A-14-19 Page 1
 Engine Family 4M Engine (CID) 156.4

ABBREVIATIONS

Distributor

C-Centrifugal Advance
 V-Vacuum Advance
 VR-Vacuum Retard
 HEI-High Energy Ignition
 EI-Electronic Ignition
Fuel System
 EFI, FI
 nV-nVenturi Carburetor
 VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection
 CAI-Catalyst Air Injection
 CAB-Chamber Air Bleed
 DD-Dual Displacement
 EFI-Electronic Fuel Injection
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 EFE-Early Fuel Evaporation
 ESAC-Electronic Spark Advance
 Control
 FI-Fuel Injection

OC-Oxidation Catalyst
 PAI-Pulse Air Injection
 RC-Reduction Catalyst
 TC-Turbo Charged
 TR-Thermal Reactor
 TWC-Three Way Catalyst
 (Feedback Control)
EGR Syst. Service
 I-Inspect, repair/replace
 as needed
 R-Replace

Engine Code

CA-VP
 CA-UN

Model

Cressida Sedan
 Cressida Station Wagon

Transmission

4A

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Toyota Executive Order No. A-14-19 Page 2

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

Emission Control System AI, EGR, OC +10%(A/C) Yes No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type C,V Mfgr. Part Number	Fuel System Type 2v Mfgr. Part Number	EGR System Part No. Service	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CA-UP CA-UN	Cressida Sedan, Station Wagon	4A	3000	Nippondenso 19100-45160	Aisan 21100-45260	25620-45090	(1) 10° BTDC @ Idle (2) Lean drop idle (3) 750 (N) RPM

Comments: No models have special road load HP settings.
See page 1 for abbreviations and model codes.

Date of Issue Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars Light-Duty Trucks Medium Duty Vehicles

Manufacturer Toyota Executive Order No. A-14-19 Page 2

Engine Family 4M Engine (CID) 156,4 Engine Code _____

Emission Control System AI, EGR, OC +10%(A/C) Yes No

Eng. Code	Vehicle Models (If Coded see attachment)	Trans	Inertia Weight Class	Distributor Type	Fuel System Type	EGR System	Tune-Up Specification
				Mfgr. Part Number	Mfgr. Part Number	Part No. Service	
CA-UP CA-UN	Cressida Sedan, Stn Wgn	4A	3000	Nippondenso 19100-45150	Aisan 21100-45260	25620-45090	(1) 10° BTDC @ Idle (2) Lean drop Idle (3) 750 (N) RPM

Comments: No models have special road load HP settings. See page 1 for abbreviations and model codes.

Date of Issue _____ Revisions: _____