

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

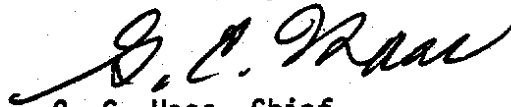
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications"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

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