

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-25  
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 light-duty trucks:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
20R(TC)	133.6	Air Injection Exhaust Gas Recirculation Oxidation Catalyst

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>Inertia Weight Class</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
20R(TC)	0-3999	0.28	4.6	1.0

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.

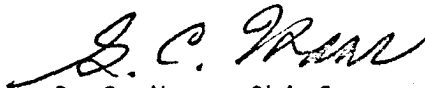
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Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

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 18 day of September, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyota Executive Order No. A-14-25 Page 1  
 Engine Family 20R(TC) Engine (CID) 133.6

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

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

Model

CMS-2X  
 CMD-2X

Hilux Pickup Truck - 1  
 Hilux Pickup Truck - 1, SR  
 Hilux Pickup Truck - 2  
 Hilux Pickup Truck - 2, SR5

CAS-2X  
 CAD-2X

Hilux Pickup Truck - 1  
 Hilux Pickup Truck - 2

CMS-3X  
 CMD-3X

Hilux Pickup Truck - 1 (2/4)  
 Hilux Pickup Truck - 2 (2/4)  
 Hilux Pickup Truck - 3  
 Hilux Cab & Chassis

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 14 - 25

Passenger Cars       Light-Duty Trucks       Medium-Duty Vehicles

Manufacturer Toyota Page 2  
 Engine Family 20R(TC) Engine (CID) 133.6 Engine Code \_\_\_\_\_  
 Emission Control System AI, EGR, OC + 10% (A/C) Yes \_\_\_\_\_ No X

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. CA,VA,EI Distributor Part No.	Fuel System 2V Carburetor Part No.	EGR Valve	Tune-up Specification
CMD-2X CMS-2X	Hilux Pickup Truck 1, 2	4M 5M	2750	Nippon- denso 19100- 38150  19100- 38180	Aisan 21100- 38200	25620- 38200	(1) Basic Timing (2) Idle Mixture (3) Idle Speed
CMS-3X CMD-3X	Hilux Pickup Truck 1,2(2/4)  Hilux Pickup Truck 3 Hilux Cab & Chassis	4M	3000				(1) 8° BTDC @ 950 rpm (N)  (2) Lean drop method  (3) 800 rpm, manual (N) 850 rpm, automatic (N) (N) Trans. in neutral
CAS-2X CAD-2X	Hilux Pickup Truck 1,2	3A	2750			25620- 38190	

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 - September 18, 1978

R/C 78-LDT-5