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:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
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:

Engine Family	Inertia Weight Class	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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.

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

G. C. Hass, Chief
Vehicle Emissions Control Division

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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	Hilux Pickup Truck - 1
CMD-2X	Hilux Pickup Truck - 1, SR
	Hilux Pickup Truck - 2
	Hilux Pickup Truck - 2, SR5
CAS-2X	Hilux Pickup Truck - 1
CAD-2X	Hilux Pickup Truck - 2
CMS-3X	Hilux Pickup Truck - 1 (2/4)
CMD-3X	Hilux Pickup Truck - 2 (2/4)
	Hilux Pickup Truck - 3
	Hilux Cab & Chassis

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☐ Passenger Cars ☒ Light-Duty Trucks ☐ Medium-Duty Vehicles

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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 (1) Basic Timing (2) Idle Mixture (3) Idle Speed
CMD-2X CMS-2X	Hilux Pickup Truck 1, 2	4M 5M	2750	Nippon-denso 19100-38150	Aisan 21100-38200	25620-38200	(1) 8° BTDC @ 950 rpm (N) (2) Lean drop method (3) 800 rpm, manual (N) 850 rpm, automatic (N) (N) Trans. in neutral
CMS-3X CMD-3X	Hilux Pickup Truck 1,2(2/4) Hilux Pickup Truck 3 Hilux Cab & Chassis	4M	3000	19100-38180			
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