

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-14-18  
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 light-duty trucks are certified for the vehicles described below:

- Engine Family: 20R (TC)
- Engine: 133.6
- Transmission: 3-speed automatic, 4-speed manual, 5-speed manual
- Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Engine Modification, 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>
20R (TC)	0.31	6.4	1.6

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

Passenger Cars     Light-Duty Trucks     Medium Duty Vehicles

Manufacturer Toyota    Executive Order No. A-14-18    Page 2  
 Engine Family 20R (TC)    Engine (CID) 133.6    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
CM-PT	Hilux Pickup Truck No. 1,2	4M 5M	2750 3000	19100-38060	21100-38161 *21100-38162	25620-38121	1) 8° BTDC @ Idle 2) Lean drop idle 3) 800 RPM
CM-CT	Cab & Chassis	4M	3500		21100-38151 *21100-38152		
CA-PT	Hilux Pickup Truck No. 1,2	3A	2750				Same as CM-PT except (3) 850 (N) RPM
							<u>Lean drop method</u>  Set to the following value at best idle 870M, 920A, RPM turn idle mixture adjusting screw until 800M, 850A

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

Date of Issue    Revisions:  
 \*R/C 78-LDT-3    May 5, 1978

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Manufacturer Toyota Executive Order No. A-14-18 Page 1  
 Engine Family 20R (TC) Engine (CID) 133.6

ABBREVIATIONS

<u>Distributor</u>	<u>Exhaust Emissions Control System</u>	
C-Centrifugal Advance	AI-Air Injection	OC-Oxidation Catalyst
V-Vacuum Advance	CAI-Catalyst Air Injection	PAI-Pulse Air Injection
VR-Vacuum Retard	CAB-Chamber Air Bleed	RC-Reduction Catalyst
HEI-High Energy Ignition	DD-Dual Displacement	TC-Turbo Charged
EI-Electronic Ignition	EFI-Electronic Fuel Injection	TR-Thermal Reactor
<u>Fuel System</u>	EGR-Exhaust Gas Recirculation	TWC-Three Way Catalyst
EFI, FI	EM-Engine Modification	(Feedback Control)
nV-nVenturi Carburetor	EFE-Early Fuel Evaporation	<u>EGR Syst. Service</u>
VV-Variable Venturi	ESAC-Electronic Spark Advance	I-Inspect, repair/replace
	Control	as needed
	FI-Fuel Injection	R-Replace

<u>Engine Code</u>	<u>Model</u>	<u>Transmission</u>
CM-PT	Hilux Pickup Truck 1	4M
	Hilux Pickup Truck 1	5M
	Hilux Pickup Truck 1 SR5	5M
CA-PT	Hilux Pickup Truck 1	3A
	Hilux Pickup Truck 2	3A
CM-CT	Hilux Cab & Chassis	4M