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:

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| 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<br>Mfgr. Part Number | Fuel System Type 2V<br>Mfgr. Part Number | EGR System<br>Part No. Service | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed |
|---|---|---|---|---|---|---|---|
| CM-PT | Hilux Pickup Truck No. 1,2 | 4M<br>5M | 2750<br>3000 | 19100-38060 | 21100-38161<br>*21100-38162 | 25620-38121 | 1) 8° BTDC @ Idle<br>2) Lean drop idle<br>3) 800 RPM |
| CM-CT | Cab & Chassis | 4M | 3500 | | 21100-38151<br>*21100-38152 | | |
| CA-PT | Hilux Pickup Truck No. 1,2 | 3A | 2750 | | | | Same as CM-PT except (3) 850 (N) RPM<br><br>Lean drop method<br><br>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

# 1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Toyota Executive Order No. A-14-18 Page 1

Engine Family 20R (TC) Engine (CID) 133.6

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 | Model | Transmission |
|---|---|---|
| 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 |