

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-112-1
Relating to Certification of New Motor Vehicles

R. V. SPECIALTIES INC.

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That R. V. Specialties, Inc. exhaust emission control systems for 1977 model-year light-duty trucks are certified for the engine family described below:

Engine Family: Toyota 20R (TC)
Engine: 133.6 CID
Transmission: 4-speed Manual
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Engine Modification, Oxidation Catalyst

Model: 2+2 Crew Cab

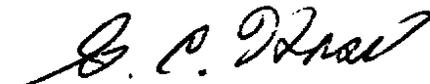
The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
Toyota 20R (TC)	0.3	8	1.4

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 12 day of September, 1977.


G. C. Hass, Chief
Vehicle Emissions Control Division

Passenger Cars Light-Duty TrucksManufacturer R.V. Specialties, Inc. Executive Order No. A-112-1 Page 1Engine Family Toyota 20 R(TC) Engine (CID) 133.5 Engine Code Emission Control System AI, EGR, EM, OC +10%(A/C) Yes No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor	Fuel System	EGR System	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
			Type Mfrg. Part Number	Type Mfrg. Part Number	Part No. Service*	
Hilux 1 #7061 2+2 Crew Cab	M-4	3500	Nippondenso 19100- 38011	Aisan Kogyo 21100- 38160	25620- 38120 No Service	(1) 8°BTDC@800RPM in neutral; vacuum line remain connected to distributor (2) Lean Drop idle (see attached sheet) (3) 800 RPM in neutral

CommentsShift speed (1 to 2) 10 mph, (2 to 3) 20 mph, (3 to 4) 30 mph, (4 to 5) 40 mph,
Axle ratio: 4.111**Date of Issue****Abbreviations****Distributor**

C-Centrifugal Advance

V-Vacuum Advance

R-Vacuum Retard

HEI-High Energy Ignition

EI-Electronic Ignition

Fuel System

EFI, FI

nV-nVenturi Carburetor

V-Vacuum Advance

Exhaust Emission Control System

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance

EI-Electronic Ignition

OC-Oxidation Catalyst

PAI-Pulse Air Injection

RC-Reduction Catalyst

TR-Thermal Reactor

TWC-Three Way Catalyst

λ-Air Fuel Ratio Sensor

*Service

I-Inspect, repair/replace
as needed