State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-138
Relating to Certification of New Motor Vehicles

DOLPHIN CAMPER COMPANY

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 Dolphin Camper Company 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: Dolphin Toyota Mini-Home, Model 185 and 200.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 197 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
Toyota 20R (TC)	0.5	17	1.3

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 23 day of September, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Dolphin Camper Company Executive Order No. A-138 Page _____

Engine 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 Type Mfgr. Part Number	Fuel System Type Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Hilux Cab & Chassis Dolphin Mini-Home	M-4	3500	Nippondenso 19100-38011	Aisan Kogyo 21100-38160	25620-38120 No Service	(1) 8° BTDC @ 800 RPM in neutral; vacuum line remain connected to distributor (2) Lean Drop idle (see attached sheet) (3) 800 RPM in neutral

Comments

Shift 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
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, FI
nV-nVenturi Carburetor
VV-Variable Venturi

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 Control
FI-Fuel Injection

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
R-Replace