

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-139  
Relating to Certification of New Motor Vehicles

PILGRIM MANUFACTURING CO., 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 Pilgrim Manufacturing CO., Inc. exhaust emission control systems for 1977 model-year 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: Pilgrim mini-home

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 17 day of October, 1977.

  
G. C. Hass, Chief  
Vehicle Emissions Control Division

Manufacturer Pilgrim Manufacturing      Executive Order No. A-139      Page 1

Engine Family Toyota 20 R(TC)      Engine (CID) 133.6      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 Mfgr. Part Number	Type Mfgr. Part Number	Part No. Service*	
Pilgrim min-home	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

Comments

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
- 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