

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-232-4
Relating to Certification of New Motor Vehicle Engines

RENAULT

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 the following Renault 1983 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|--|
| DRE02.1EAW7 | 126 (2.1) | (Turbocharger) |

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model-year heavy-duty engine exhaust emission standards and the following certification emission values:

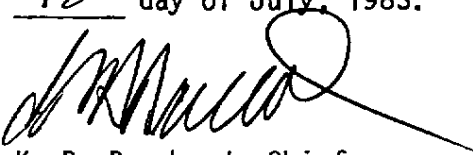
| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Carbon Monoxide gm/bhp-hr</u> | <u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|---|
| DRE02.1EAW7 | 0.4 | 2.0 | 3.6 |

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 12th day of July, 1983.



K. D. Drachand, Chief
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINESManufacturer RenaultPage 1Engine Family DRE02.1EAW7CID(Liter)-Type 126 (2.1) L4ECS(Special Features) (Turbocharger)

| Engine Model | Fuel Injection Pump Mfr. Part Number | Injector Mfr. Part Number | Maximum Rated HP and RPM | Fuel Rate at Maximum HP mm ³ /stroke | Label Ident. |
|--------------|--|---------------------------------|--------------------------------|---|-----------------|
| J8S 234S | Bosch VE4R130S | Bosch DNOSD254 | 85 @ 3750 | 43.5 | J8S234S |
| J8S 234 | Bosch VE4R130 | | 75 @ 3750 | 41.5 | J8S234 |

Date of Issue -