

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-232-20

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

RENAULT VEHICULES INDUSTRIELS

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 1995 model-year Renault Vehicules Industriels diesel-cycle engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 14,000 pounds:

Fuel Type: Diesel

<u>Engine Family</u>	<u>Engine Displacement Liters (Cubic Inches)</u>	<u>Exhaust Emission Control Systems and Special Features</u>
SR3377D8DAAW	6.2 (377)	Turbocharger Smoke Puff Limiter Charge Air Cooler Oxidation Catalytic Converter Engine Control Module

Engine models and codes are listed on attachments.

The following are the certification exhaust emission standards for this engine family in grams per brake horsepower-hour:

<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
1.3	15.5	5.0	0.10

The following are the certification exhaust emission values for this engine family in grams per brake horsepower-hour:

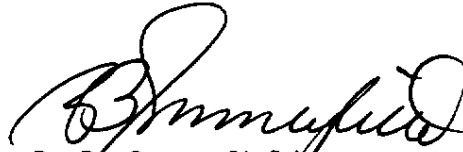
<u>Engine Family</u>	<u>Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Particulates</u>
SR3377D8DAAW	0.2	1.5	4.5	0.07

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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 attachments.

Executed at El Monte, California this 8th day of December, 1994.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL-STANDARD ENGINES

Manufacturer RENAULT VI Engine Family SR3377D8DAAW
 Displacement: 6.21 / 1 Liters 377 / 1 Cubic Inches
 Maximum Rated Power: 190 HP @ 2500 RPM Engine Configuration: I-6
 Ignition: Compression X Compression with Glow Plug _____ Spark _____
 Fuel Type(s): Dedicated X Flex-Fuel _____ Dual-Fuel _____ Diesel X M100 _____ M85 _____
 CNG _____ LNG _____ LPG _____ Other (specify) _____
 Diesel Cert Fuel: 13 CCR 2282 40 CFR 86.1313-90 40 CFR 86.1313-94 X
 Primary Intended Service Class: LHD _____ MHD X HHD _____ Urban Bus _____
 Exhaust ECS (incl: MFI, TC, CAC): TC; CAC; SPL; OC; ECM
 (use abbreviations per SAE J1930 SEP91)

Engine Model (Eng Code)	Rated HP @ RPM	Fuel Rate @ Rated HP mm ³ / stroke (lbs/hr)	Fuel Pump & Injector Part No.	ECM/PCM Part No.	EGR Valve Part No.	PTOX / Catalytic Converter Part No.
MIDR060226 L511	190 at 2500	87 +/- 3 (71.4)	<u>PUMP</u> BOSCH PES6P120A 320RS8028 <u>REGULATOR</u> BOSCH RQV275- 1250PA1125K <u>INJECTOR</u> <u>ASSEMBLY</u> BOSCH 0432133850 <u>NOZZLE</u> BOSCH DLLA149P427	<u>ELECTRONIC</u> <u>AUTO ADVANCE</u> RENAULT VI 5010691980 <u>ECM</u> RENAULT VI 5010214430 <u>SOFTWARE</u> RENAULT VI 5010258153		<u>CATALYST</u> ENGELHARD P217350 6" <u>MUFFLER</u> DONALDSON DC M 100785 RENAULT VI 5010230455

Date Issued: NOV 94

Revisions: _____