

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-232-10
Relating to Certification of New Motor Vehicle Heavy-Duty 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 Renault Vehicules Industriels 1986 model-year diesel engines have shown compliance with the optional transient test procedure and standards and 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>
MI 06 02 12	335 (5.5)	(Diesel Injection - Direct) (Intercooler) (Turbocharger)

Engine models and codes are listed on attachments.

The following are the certification emission values for this engine family:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
MI 06 02 12	0.6	7.2	4.9

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.

Executed at El Monte, California this 25th day of January, 1986.


K. D. Drachand, Chief
Mobile Source Division

16.06.00.00 - 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES- Manufacturer RENAULT VEHICULES INDUSTRIELS Page 116.06.00.01 - Engine Family MI 06 02 12 CID (Liter)-Type 335(5.5) In-Line 6- ECS and (Special Features) SPL and TC and IC

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.
MIDR 060212 E	R.Bosch Gmbh 5000 134 504	R.Bosch Gmbh 5000 659 162	164 at 2800	75	MI 060212
MIDR 060212 F	R.Bosch Gmbh 5000 134 507	R.Bosch Gmbh 5000 659 162	165 at 2600	77	MI 060212