

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-232
Relating to Certification of New 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 Renault Vehicules Industriels 1981 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>
MI 06 02 12	335 (5.5)	(Acceleration Smoke Puff Limiter) (Aftercooled) (Turbocharged)

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:

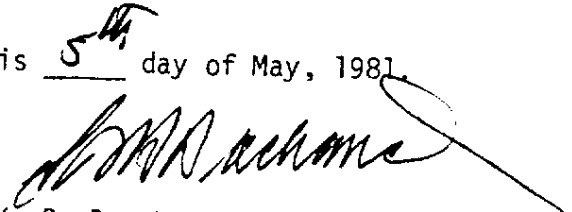
<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
MI 06 02 12	0.5	5	5.1

BE IT FURTHER RESOLVED: That Renault Vehicules Industriels has provided to the Executive Officer 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 5th day of May, 1981.


K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer Renault Vehicules Industriels Page 1

Engine Family MI 06 02 12 CID(Liter)-Type 335 (5.5) I6

ECS(Special Features) (Acceleration Smoke Puff Limiter, Aftercooled, Turbocharged)

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 06 02 12E	R. BOSCH GmbH 50 00 135 504	R. BOSCH GmbH 50 00 659 163	164 @ 2800	75	See Page 1A
MIDR 06 02 12F	50 00 135 507		165 @ 2600	77	

Date of Issue -

RVI

THIS ENGINE CONFORMS TO U.S. ENVIRONMENTAL PROTECTION AGENCY REGULATIONS and California regulations APPLICABLE TO 1981 MODEL YEAR HEAVY DUTY DIESEL ENGINES

FEDERAL FAMILY 0602 12 CALIFORNIA FAMILY 0602 12
 ENGINE MODEL MIDR 0602 12F DISPLACEMENT 335 CU.IN
 PARTS LIST NR 0021002010 SERIAL NR
 DATE OF MFG MO-YR 4/81

ENGINE EXHAUST EMISSION CONTROL INFORMATION

ADVERTISED HORSEPOWER 165 @ 2600 R.P.M.
 FUEL RATE @ ADVERTISED HORSEPOWER 77 MM³/STROKE
 EXHAUST EMISSION CONTROL SYSTEM ASPL
 INITIAL INJECTION TIMING 16 °BTC -INLET 0.010
 IDLE SPEED 600 R.P.M. VALVE CLEARANCE - EXHAUST 0.018

RVI

THIS ENGINE CONFORMS TO U.S. ENVIRONMENTAL PROTECTION AGENCY REGULATIONS and California regulations APPLICABLE TO 1981 MODEL YEAR HEAVY DUTY DIESEL ENGINES

FEDERAL FAMILY 0602 12 CALIFORNIA FAMILY 0602 12
 ENGINE MODEL MIDR 06 02 12E DISPLACEMENT 335 CU.IN
 PARTS LIST NR 0021002010 SERIAL NR
 DATE OF MFG MO-YR 4/81

ENGINE EXHAUST EMISSION CONTROL INFORMATION

ADVERTISED HORSEPOWER 164 @ 2800 R.P.M.
 FUEL RATE @ ADVERTISED HORSEPOWER 75 MM³/STROKE
 EXHAUST EMISSION CONTROL SYSTEM ASPL
 INITIAL INJECTION TIMING 16 °BTC -INLET 0.010
 IDLE SPEED 600 R.P.M. VALVE CLEARANCE - EXHAUST 0.018