

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-11-24  
Relating to Certification of New Motor Vehicles

REGIE NATIONALE DES USINES RENAULT

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1986 model-year Regie Nationale des Usines Renault exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GRE2.2V5FGA2	132 (2.2)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.22	2.3	0.3

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

Vehicles 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 10<sup>th</sup> day of March, 1985.

  
K. D. Drachand, Chief  
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Regie Nationale des Usines Renault Executive Order No. A-11-24  
 Engine Family GRE 2.2 V5 FGA2 Evaporative Family GV-2.2E-1S  
 Engine CID (Liters) 132 (2.2)

## ABBREVIATIONS:

Ignition System

CA - Centrifugal Advance  
 EEC - Electronic Engine Control  
 EI - Electronic Ignition  
 ESAC - Electronic Spark Advance Control  
 VA - Vacuum Advance  
 VR - Vacuum Retard

Exhaust Emissions Control System

AIP - Air Injection-Pump  
 AIV - Air Injection-Valve  
 CL - Closed Loop  
 EGR - Exhaust Gas Recirculation  
 EM - Engine Modification  
 OC - Oxidation Catalyst System  
 TOC - Trap Oxidizer Continual  
 TOP - Trap Oxidizer Periodical  
 TR - Thermal Reactor  
 TWC - Three-Way Catalyst System

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV - nVenturi Carburetor  
 VV - Variable Venturi

Special Features

CCV - Combustion Chamber Valve  
 CFI - Central Fuel Injection  
 DID - Diesel Injection-Direct  
 DIP - Diesel Injection-Prechamber  
 EFI - Electronic Fuel Injection  
 IC - Intercooler  
 MFI - Mechanical Fuel Injection  
 TC - Turbocharged

VEHICLE MODELS: 135B = Sportwagon  
 136B = Fuego

DRIVE SYSTEM: Front ENGINE/ Front -WHEEL DRIVE

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars X Light-Duty Trucks      Medium-Duty Vehicles      Gas X Diesel     Manufacturer Regie Nationale des Usines Renault Page 2Engine Family GRE 2.2 V5 FGA2 Engine Code     ECS (Special Features) CL + EGR + TWC (EFI) CID (Liter) Type 132(2.2)I4

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans	Equiv. Test Weight	Ignition System ESAC Part No.	Fuel System CL, EFI Part No.	EGR Valve Part No.	Label Ident. Part No.
C	136B	M5	2750	7700720343 (ID 100600239)	7700715635 0280202049	7700720061 (7975801)	7700732182
	135B		2875				
D	135B, 136B		2875				
A	136B	A3	2750				
	135B		2875				
B	135B, 136B		2875				

Comments: \_\_\_\_\_

(See Page 1 for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.)

Note: Add 10% to dyno test HP for air conditioning usage.

Date of Issue:

071080

6333g/2

E.F. GRE 2.2 V5 FGA2

1986 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER  
JANUARY 15, 1985

VEHICLE	TOTAL WT.		AXLE WT.	TEST WT.	VERMT 2.2L	ENG	TRAN	FRONTAL AREA HORSEPOWER				TIRES SHOWN				ROADLOAD HP.								
	WT.	A/C						NON A/C	BIAS TIRE	NON A/C	RADIAL TIRE	NON A/C	FR	RR	Standard tire listed let		Optional tires also listed		AC Hp	(sec)	AC Hp	(sec)	Hp	vo AC
															SIZE/MODEL	SIZE/MODEL	SIZE/MODEL	SIZE/MODEL						
RUB WC (135B)	'2527'		1477	2875	2.2L		M5					30	34		15.24	7.1		15.24	7.1					
	[(2599)]		1550														14.23	7.7		15.69	6.7			
																		14.44	7.7		15.43	6.4		
																		14.46	6.9		14.34	6.8		
FUECO (136B)	'2540'		1488	2875	2.2L	A3					30	34		15.24	7.1		15.24	7.1						
	[(2612)]		1561													14.23	7.7		15.69	6.7				
																14.44	7.7		15.43	6.4				
																14.46	6.9		14.34	6.8				
	'2456'		1497	2750	2.2L	M5					28	32		15.51	6.4		15.51	6.4						
	[(2529)]		1572	2875												14.96	7.6		15.48	6.7				
																16.42	5.6		16.36	4.9				
																14.47	6.2		14.62	5.6				
	'2469'		1508	2750	2.2L	A3					28	32		15.12	7.2		15.12	7.2						
	[(2568)]		1583	2875												14.96	7.6		15.48	6.7				
																16.42	5.6		16.63	4.9				
																14.47	6.2		14.62	5.6				