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:

Engine Family	Displacement Cubic Inches	(Liters)	Exhaust Emission Control Systems (Special Features)
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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per mile
0.39	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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 20th 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

E.O. #A - 11-24

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks ___ Medium-Duty Vehicles ___ Gas X Diesel ___

Manufacturer Regie Nationale des Usines Renault Page 2

Engine 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:

1986 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER
JANUARY 15, 1985

VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	VEHWT 2.2L	ENG	TRAN	FRONTAL AREA HORSEPOWER BIAS TIRE A/C	BIAS TIRE NON A/C	RADIAL TIRE A/C	RADIAL TIRE NON A/C	TIRES SHOWN Standard tire listed 1st Optional tires also listed SIZE/MODEL	PRESSURE FR	PRESSURE RR	ROADLOAD HP. & COASTDOWN TIMES (sec)	AC Hp	(sec)	Hp wo AC
R18 WG (135B)	'2527'	1477	2875		2.2L	M5					P175/70R13 XZX	30	34			15.24	7.1
											P185/65R13 TRX					15.69	6.7
											P185/65R14 MXL					15.43	6.4
											P185/65R14 MXV					14.34	6.8
	[(2599)]	1550									P175/70R13 XZX			14.23	7.7		
											P185/65R13 TRX			14.44	7.7		
											P185/65R14 MXL			14.46	6.9		
											P185/65R14 MXV			13.50	7.0		
	'2540'	1488	2875		2.2L	A3					P175/70R13 XZX	30	34			15.24	7.1
											P185/65R13 TRX					15.69	6.7
											P185/65R14 MXL					15.43	6.4
											P185/65R14 MXV					14.34	6.8
	[(2612)]	1561									P175/70R13 XZX			14.23	7.7		
											P185/65R13 TRX			14.44	7.7		
											P185/65R14 MXL			14.46	6.9		
											P185/65R14 MXV			13.50	7.0		
FUEGO (136B)	'2456'	1497	2750		2.2L	M5					P185/70R13 XZX	28	32			15.51	6.4
											P185/65R13 TRX					15.48	6.7
											P185/65R14 MXL	30	34			16.36	4.9
											P195/60R14 MXV					14.62	5.6
	[(2529)]	1572	2875								P185/70R13 XZX	28	32	15.12	7.2		
											P185/65R13 TRX			14.96	7.6		
											P185/65R14 MXL	30	34	16.42	5.6		
											P195/60R14 MXV			14.47	6.2		
	'2469'	1508	2750		2.2L	A3					P185/70R13 XZX	28	32			15.51	6.4
											P185/65R13 TRX					15.48	6.7
											P185/65R14 MXL	30	34			16.63	4.9
											P195/60R14 MXV					14.62	5.6
	[(2568)]	1583	2875								P185/70R13 XZX	28	32	15.12	7.2		
											P185/65R13 TRX			14.96	7.6		
											P185/65R14 MXL	30	34	16.42	5.6		
											P195/60R14 MXV			14.47	6.2		

E.F. GRE2.2V5FGA2

E.O.# A-11-24 PAGE 3