State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-11-25
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 1988 model-year Regie Nationale des Usines Renault exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters (Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JRE2.2V5FGA7	2.2 (132)	Exhaust Gas Recirculation Three-Way Catalyst Oxygen Sensor (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
0.27	1.8	0.2

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for 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 1988 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 the listed vehicle models have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s] ..." (Title 13, California Administrative Code, Section 1968) 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, with Health and Safety Code Section 43204.

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 4th day of November, 1986.

K. D. Drachand, Chief
Mobile Source Division

E.O. # A-11-25

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Régie Nationale des Usines Renault

Engine Family JRE 2.2 V5 FG A7

Evaporative Family JV-2.2J-1P

Engine Type I4

Engine Liters (CID) 2.2 (132)

ABBREVIATIONS:

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

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

VEHICLE MODELS:

- K48A - Medallion Wagon
- L48A - Medallion Sedan

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
- SPL - Smoke Puff Limiter or Throttle Delay
- TOC - Trap Oxidizer Continual
- TOP - Trap Oxidizer Periodical
- TR - Thermal Reactor
- ✓TWC - Three-Way Catalyst System

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

ENGINE: FRONT X MID ____ REAR ____

DRIVE: FWD X RWD ____ 4WD FULL TIME ____ 4WD PART TIME ____

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks___ Medium-Duty Vehicles___ Gas X Diesel___

Manufacturer Regie Nationale des Usines Renault Engine Family JRE 2.2 V5 FG A7

Liter (CID) 2.2 (132) Engine Type I4

Emission Control System
(Special Features) EGR + CL + TWC (EFI)

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans Type	Equiv. Test Weight	Ign. System/ECU ESAC Part No.	Fuel System CL, EFI Part No.	EGR Valve Part No.	Catalyst Part No.
A	L48A	A3	3000	7700 736 396	7700736396	7700730058	7700732034
	K48A		3125				
B	L48A		3125				
	K48A		3250				
C	L48A	M5	3000	7700 736 395	7700736395		
	K48A		3000				
D	L48A		3000				
	K48A		3125				

Comments: Test weights updated to reflect vehicle weight changes per R/C #88REN-03.

(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.)

Date of Issue:_____ Revisions:

1988 VEHICLE WEIGHTS AND ROADLOAD HORSEPOWER

SEPTEMBER 16, 1986

VEHWT2.2							TIRES SHOWN Standard tire listed 1st Optional tires also listed				ROADLOAD HP. & COASTDOWN TIMES	
VEHICLE	TOTAL WT.	AXLE WT.	TEST WT.	ENG	TRANS	A/C USAGE	SIZE MODEL	PRESSURE FR	PRESSURE RR	(%) USAGE	(SEC.)	HP.
MEDALLION 4-DOOR SEDAN	---	---	2875	2.2L	ALL	YES	185/65R14	29	29	100%	15.23	5.1
						NO				100%		
MEDALLION WAGON	---	---	3000	2.2L	M5	YES	185/65R14	29	33	100%	15.56	5.1
						NO				100%		
	---	---	3000	2.2L	A3	NO	185/65R14	29	33	100%	16.06	4.8
	---	---	3125	2.2L	A3	YES	185/65R14	29	33	100%	16.22	5.1

E.O. #4-
11-25
Pg 3
E.F.
SRE2.2
15F6A7

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars X Light-Duty Trucks___ Medium-Duty Vehicles___ Gas X Diesel___

Manufacturer Regie Nationale des Usines Renault Engine Family JRE 2.2 V5 FG A7

Liter (CID) 2.2 (132) Engine Type I4

Emission Control System
(Special Features) EGR + CL + TWC (CFI)

Engine Code	Vehicle Models (If Coded See Attachment)(Hp)	Trans Type	Equiv. Test Weight	Ign. System/ECU ESAC Part No.	Fuel System CFI Part No.	EGR Valve Part No.	Catalyst Part No.
E	L48A	A3	3000	7700 742 979	7700742979	7700730058	7700732034
	K48A		3125				
F	L48A		3125				
	K48A		3250				
G	L48A	A3	3000	7700 741 579	7700741579		
	K48A		3125				
H	L48A		3125				
	K48A		3250				
I	L48A	M5	3000	7700 741 578	7700741578		
	K48A		3000				
J	L48A		3000				
	K48A		3125				

Comments: Test weights updated to reflect vehicle weight changes per R/C #88REN-03.

(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.)

Date of Issue: 8/07/87 Revisions: