

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:

| <u>Engine Family</u> | <u>Displacement<br/>Liters (Cubic Inches)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>                                  |
|----------------------|---|---|
| JRE2.2V5FGA7         | 2.2 (132)                                     | Exhaust Gas Recirculation<br>Three-Way Catalyst<br>Oxygen Sensor<br>(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<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per mile</u> |
|--|---|---|
| 0.39                                   | 7.0                                       | 0.7                                       |

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

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 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 4<sup>th</sup> day of November, 1986.

  
K. D. Drachand, Chief  
Mobile Source Division

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

| VEHICLE                      | VEHWT2.2     |             |             |      | TIRES SHOWN<br>Standard tire listed 1st<br>Optional tires also listed |              |            |    | ROADLOAD HP.<br>&<br>COASTDOWN TIMES |                          |        |     |
|------------------------------|--------------|-------------|-------------|------|---|--------------|------------|----|--------------------------------------|--------------------------|--------|-----|
|                              | TOTAL<br>WT. | AXLE<br>WT. | TEST<br>WT. | ENG  | TRANS   | A/C<br>USAGE | SIZE MODEL | FR | RR                                   | PRESSURE<br>(%)<br>USAGE | (SEC.) | HP. |
|                              |              |             |             |      |   |              |            |    |                                      |                          |        |     |
| MEDALLION<br>4-DOOR<br>SEDAN | ---          | ---         | 2875        | 2.2L | ALL   | YES          | 185/65R14  | 29 | 29                                   | 100%                     | 15.23  | 5.1 |
|                              |              |             |             |      |   |              |            |    |                                      |                          |        |     |
| MEDALLION<br>WAGON           | ---          | ---         | 3000        | 2.2L | M5  | YES          | 185/65R14  | 29 | 33                                   | 100%                     | 15.56  | 5.1 |
|                              |              |             |             |      |   |              |            |    |                                      |                          |        |     |
|                              | ---          | ---         | 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. #A-  
11-25  
Pg 3  
E.F.  
JRE 2.2  
V5FGA7

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars X Light-Duty Trucks      Medium-Duty Vehicles      Gas X Diesel     Manufacturer Regie Nationale des Usines Renault Engine Family JRE 2.2 V5 FG A7Liter (CID) 2.2 (132) Engine Type I4Emission Control System  
(Special Features) EGR + CL + TWC (CFI)

| Engine Code | Vehicle Models<br>(If Coded See Attachment)(Hp) | Trans Type | Equiv. Test Weight | Ign. System/ECU<br>ESAC Part No. | Fuel System<br>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: