State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-277-11
Relating to Certification of New Motor Vehicles

ROVER GROUP LIMITED

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 Rover Group Limited 1995 model-year exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: SLR4.2H7GOEA Displacement: 4.27 Liters (261 Cubic Inches)
3.95 Liters (241 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Multiport Fuel Injection
Dual Heated Oxygen Sensors
Dual Three Way Catalytic Converters

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

The certification exhaust emission standards for this engine family in grams per mile are:

| Loaded Vehicle Weight(lbs.) | Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|---|
| 3751-5750 | 50,000 | 0.50 | 9.0 | 1.0 |

The certification exhaust emission values for this engine family in grams per mile are:

| Loaded Vehicle Weight(lbs.) | Miles | Non-Methane Hydrocarbons | Carbon Monoxide | Nitrogen Oxides |
|---|---|---|---|---|
| 3751-5750 | 50,000 | 0.34 | 4.5 | 0.5 |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile exhaust emission standards applicable to 1994 model-year medium-duty vehicles in the "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models shall not be subject to the 50,000-mile and 120,000-mile exhaust emission standards set forth in the "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles," pursuant to provisions in said standards and test procedures applicable to small-volume manufacturers.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," pursuant to provisions in said standards and test procedures applicable to small-volume manufacturers.

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

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 Code of Regulations, Section 2235) 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, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 "Malfunction and Diagnostic System for 1988 and Subsequent Model Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(3.0) 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 provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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 7th day of February, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT- DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

E.O. # A-277-11 

Manufacturer ROVER GROUP LIMITED Exh Engine Family : SLR4 2H7G0EA

Evap Std: 50K ✓ Useful Life with R/L ____ Evap Engine Family: SLR1060AYP0C

Exh Std: Tier- 0 ✓ Tier -1 ____ TLEV ____ LEV ____ ULEV ____ ZEV ____; EPA Tier-0 ✓ Tier-1 ____

Veh Class(es): PC ____ LDT1 ____ LDT2 ____ MDV1 ____ MDV2 ✓ MDV3 ____ MDV4 ____ MDV5 ____

Single Cert Std for Multi-Class Eng Fam: ____ (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)

Exh Cert Fuel(s): Indo ✓ Ph2 ____ Diesel: 13 CCR 2282 ____ or 40 CFR 86.113-90 ____ or -94 ____

M85 ____ CNG ____ LPG ____ Other (specify) ____

Fuel Type(s) : Dedicated ✓ Flex-Fuel ____ Dual-Fuel ____ Gasoline ✓ Diesel ____ M85 ____

CNG ____ LNG ____ LPG ____ Other (specify) ____

Hybrid: Type A ____ B ____ C ____ , APU Cycle (e.g., Otto, Diesel, Turbine) ____

Engine Configuration: V8 Displacement: 3.95 / ____ Liters 241 / ____ Cubic Inches

Engine: Front ✓ Mid ____ Rear ____ Drive: FWD ____ RWD ____ 4WD-FT ✓ 4WD-PT ____

Exhaust ECS (eg., EGR, MFI, TC, CAC) : MFI/2TWC/2HO2S

(Use abbreviations per SAE J1930 SEP91)

| Engine Code (also list CA/49ST/50ST) | Veh. Models (If coded see attachment) | Trans. Type : A - Auto M - Man | ETW or Test Wt | DPA or RLHP | Ignition (ECM/PCM) Part No. | EGR System Part No. | Catalyst Converter Part No. |
|---|---|---|---|---|---|---|---|
| 3.9HCF-93C (50ST) | Range Rover County | A-4 | 4750 | 13.7 | AMR 3240 | N/A | NTC 7536 NTC 7537 |
| 3.9HCF-93D (50ST) | Discovery | A-4 | 4750 | 14.0 | AMR 3729 | N/A | NTC 7536 NTC 7537 |
| 3.9HCF-93D (50ST) | Discovery | M-5 | 4750 | 14.0 | AMR 3729 | N/A | NTC 7536 NTC 7537 |
| 3.9HCF-93D (50ST) | Range Rover County | A-4 | 4750 | 13.7 | AMR 3729 | N/A | NTC 7536 NTC 7537 |
| 3.9HCF-93F (50ST) | Defender 90 | M5 | 4000 | 20.0 | AMR 3947 | N/A | NTC 7536 NTC 7537 |

| ISSUED | 5.23.94 | REVISED | 9.27.94 | 11.7.94 | | | | |
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1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET E.O. # A - 277-11 

Manufacturer ROVER GROUP LIMITED Engine Family SLR4. 2H7G0EA

Passenger Car _____ (PC) Lt-Duty Truck _____ (T1/T2) Med-Duty Vehicle M2 (M1/M2/M3/M4/M5)

Stds Type: TIER 0 (TIER 0/1, AB965, TLEV, LEV,ULEV) Veh. Type (FFV, HEV (Type A/B/C)): _____

Fuel Type: GASOLINE Evaporative Family SLR1060AYP0C

Engine Config. V-8 Liter (CID) 4.27 (261)

Engine: Front ✓ Mid. ____ Rear ____ Drive: FWD ____ RWD ____ 4WD-FT ✓ 4WD-PT ____

Exhaust ECS & Special Features (incl. CARB, MFI, etc.)
(Use abbreviations per SAE 1930 May 91) MFI/2TWC/2H02S

| Engine Code (Cert. Std.) | Veh. Models (If coded see attachment) | Trans. Type : A - Auto M - Man | ETW | DPA or RLHP | Ignition (ECM/PCM) Part No. | EGR System Part No. | Catalyst Part No. |
|---|---|---|---|---|---|---|---|
| 4.2LCF-93C (MDV- 50K) | Range Rover County LWB | A-4 | 5000 | 13.7 | AMR 3728 | N/A | NTC 7536 NTC 7537 |

ISSUED : 9.1.93
REVISED : 1.10.94