State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-277-7
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 1993 model Rover Group Limited exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: PLR3.9T5FSS9 Displacement: 3.95 Liters (241 Cubic Inches)

Exhaust Emission Control Systems and 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 (pounds)	Miles	Total 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 (pounds)	Miles	Total Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
3751-5750	50,000	0.33	5.2	0.4

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile hydrocarbon and carbon monoxide standards pursuant to Section 1960.1(e)(1)(D), Title 13, California Code of Regulations (medium-duty vehicles produced by a small-volume manufacturer).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "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 Code of Regulations, 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, 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 "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 vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, 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 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 10th day of August, 1992.

R. B. Summerfield
Assistant Division
Chief Mobile Source Division

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Manufacturer ROVER GROUP LIMITED Engine Family PLR3. 9T5FSS9

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

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

Fuel Type: GASOLINE Evaporative Family RAFI

Engine Config. V-8 Liter (CID) 3.95 (241)

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

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

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.
3.9HCF-93 (MDV- 50K)	Defender 110	M-5	5250	21.0	AMR 1191	N/A	NTC 7536 NTC 7537
3.9HCF-93 (MDV- 50K)	Defender 110	M-5	5250	21.0	* PRM 3365	N/A	NTC 7536 NTC 7537

* P/F FF02

REV: 3/24/94