State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-277-15
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Rover Group Limited exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: TLR4.658GFFK Displacement: 3.95 Liters (241 Cubic Inches)
4.55 Liters (278 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Sequential Multiport Fuel Injection
Dual Three Way Catalytic Converters
Dual Heated Oxygen Sensors (Two)

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:

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.32	4.4	0.7	12.5
	120,000	0.46	6.4	0.98	n/a

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

Test Weight (lbs.)	Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
3751-5750	50,000	0.28	2.8	0.1	7.7
	120,000	0.34	4.1	0.17	n/a

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 Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.1) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 5th day of March 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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anufacturer : Rover Group Ltd Exh Eng Fam : TLR4.658GFFK Evap Fam : TLR1109AYPBD

All Eng Codes in Eng Fam : CA ✓ 49S ___ 50S ___ AB965 ___

Exh Std : CA Tier-1 ✓ TLEV ___ LEV ___ ULEV ___ ZEV ___ ; US EPA Tier-1 ✓

Evap Std : 50K ✓ Useful Life with R/L ___ In-Use Exh Std : Full In Use ___ Alt In Use ✓

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

Single Cert Std for Multi-Class Eng Fam : N/A (specify : N/A, LDT1, MDV1, NDV2, MDV3, MDV 4)

Fuel Type (s) : Dedicated ✓ Flex-Fuel : ___ Dual-Fuel ___ Bi-Fuel ___ Gasoline ___ ✓ Diesel ___
CNG ___ LNG ___ LPG ___ M85 ___ Other (specify) ___

Emiss Test Fuel (s) Indo ✓ Ph2 ___ CNG ___ LPG ___ M85 ___ Other (specify) ___ ___
Diesel : 13 CCR 2282 ___ 40 CFR 86.113-90 ___ 40 CFR 86.113-94 ___

Service Accum : Std AMA ✓ Mod AMA ___ Mfr ADP ___ Other (specify) ___

NMOG Test Procedure : N/A ✓ Std ___ Equiv ___ R/L Test Proc : SHED ___ Pt Source ___

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

Engine Configuration : V8 Displacement : 4.55 / 3.95 Liters 278 / 241 Cubic Inches

Valves per Cylinder : 2 Rated HP : 222/188 @ 4750 RPM

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

Exhaust ECS (e.g., MFI, EGR, TC, CAC) : SFI/2TWC/2HO2S (2)
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans (M5, A4 etc.)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
4.6HC - 96B (CAL)	Range Rover	A4	5500	13.9	AMR 5688	N/A	ESR 3738
4.0HC - 95H (CAL)	Range Rover	A4	5500	13.9	AMR 5688	N/A	ESR 3738

Date Issued : 10.9.95

Revisions : 1.8.96

1996 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET Page 1
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

anufacturer : Rover Group Ltd Exh Eng Fam : TLR4.658GFFK Evap Fam : TLR1060ATPBC
All Eng Codes in Eng Fam : CA ✓ 49S ___ 50S ___ AB965 ___
Exh Std : CA Tier-1 ✓ TLEV ___ LEV ___ ULEV ___ ZEV ___ ; US EPA Tier-1 ✓
Evap Std : 50K ✓ Useful Life with R/L ___ In-Use Exh Std : Full In Use ___ Alt In Use ✓
Veh Class (es) : PC ___ LDT1 ___ LDT2 ___ MDV1 ___ MDV2 ___ ✓MDV3 ___ MDV4 ___ MDV5 ___
Single Cert Std for Multi-Class Eng Fam : N/A (specify : N/A, LDT1, MDV1, NDV2, MDV3, MDV 4)
Fuel Type (s) : Dedicated ✓ Flex-Fuel : ___ Dual-Fuel ___ Bi-Fuel ___ Gasoline ___ ✓Diesel ___
CNG ___ LNG ___ LPG ___ M85 ___ Other (specify) ___
Emiss Test Fuel (s) Indo ✓ Ph2 ___ CNG ___ LPG ___ M85 ___ Other (specify) ___ ___
Diesel : 13 CCR 2282 ___ 40 CFR 86.113-90 ___ 40 CFR 86.113-94 ___
Service Accum : Std AMA ✓ Mod AMA ___ Mfr ADP ___ Other (specify) ___
NMOG Test Procedure : N/A ✓ Std ___ Equiv ___ R/L Test Proc : SHED ___ Pt Source ___
Hybrid : Type A ___ B ___ C ___ , APU Cycle (e.g. Otto, Diesel, Turbine) : ___
Engine Configuration : V8 Displacement : 3.95 Liters 241 Cubic Inches
Valves per Cylinder : 2 Rated HP : 188 @ 4750 RPM
Engine : Front ✓ Mid ___ Rear ___ Drive : FWD ___ RWD ___ 4WD-FT ✓ 4WD-PT ___
Exhaust ECS (e.g., MFI, EGR, TC, CAC) : SFI/2TWC/2HO2S (2)
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans (M5, A4 etc.)	ETW or Test Wt.	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
4.0HC - 95J (CAL)	Discovery	A4	5250	14.3	ERR 6759	N/A	ESR 3844 ESR 3845
4.0HC - 95K (CAL)	Discovery	M5	5250	13.4	ERR 6759	N/A	ESR 3844 ESR 3845

Date Issued : 10.9.95