File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-277-18
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 1998 model-year Rover Group Limited exhaust emission control systems are certified as described below for medium-duty vehicles:

Fuel Type: Gasoline

Engine Family: WLRXT04.6001 Displacement: 4.55 Liters (278 Cubic Inches)
3.95 Liters (241 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	0.27	2.6	0.2	7.7
	120,000	0.33	3.7	0.21	n/a

BE IT FURTHER RESOLVED: That the manufacturer shall not be subject to the phase-in requirement specified in Title 13, California Code of Regulations, Section 1960.1(h)(2) Endnotes (10)(d) and (16) applicable to small-volume manufacturers of medium-duty vehicles.

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 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 "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent 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 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)(6.2) ("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 2nd day of July 1997.

R. B. Summerfield, Chief
Mobile Source Operations Division

 E.O # A-272-18

1998 MODEL YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET **Page 1**
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer : Rover Group Ltd Exh Eng Fam : WLRXT04.6001 Evap Fam : WLRXE0124001

All Eng Codes in Eng Fam : CA ____ 49S ____ 50S X AB965 ____, ORVR ____ : YES ____ NO X

Exh Std : CA Tier-1 X TLEV ____ LEV ____ ULEV ____ SULEV , ____ US EPA Tier-1 X

Veh Class (es) : PC ____ LDT 1 ____ LDT 2 ____ MDV 1 ____ MDV 2 X MDV 3 ____ MDV 4 ____ MDV 5 ____

Single Cert Std for Multi-Class Eng Fam : N/A (specify : N/A, LDT 1, MDV1, MDV2, MDV3, MDV 4)

Fuel Type (s) : Dedicated X Flex-Fuel ____ Dual-Fuel ____ Bi-Fuel ____ Gasoline X Diesel ____

CNG ____ LNG ____ LPG ____ M85 ____ Other (specify) ____

Emiss Test Fuel (s) Indo X CBG ____ CNG ____ LPG ____ M85 ____ Other (specify) ____

Diesel : 13 CCR 2282 ____ 40 CFR 86.113-90 ____ 40 CFR 86.113-94 ____

Evaporative Emission Test Procedure : California ____ Federal X

Service Accum : Std AMA X Mod AMA ____ Mfr ADP ____ Other (specify) ____

NMOG Test Procedure : N/A ____ Std ____ Equiv ____ R/L Test Proc : Shed : ____ Pt Source X

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

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

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

Exhaust ECS (e.g. , MFI, EGR, TC, CAC) : SFI/2TWC/2HO2S (2)

(use abbreviations per SAE J1930 JUN 93)

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.
4.6HCF-96G (50 ST)	Range Rover	A4	5500	13.9	ERR 7109	N/A	WCD 104720
4.0HCF-95AC (50 ST)	Range Rover	A4	5500	13.9	ERR 7109	N/A	WCD 104720
4.0HCF-95Y (50 ST)	Discovery	A4	5250	14.3	MKC 104420	N/A	WAG 104110 WAG 104120
4.0HCF-95AA (50 ST)	Discovery	M5	5250	13.4	MKC 104430	N/A	WAG 104110 WAG 104120

Date Issued : 3.3.97 Revisions : 6.12.97