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	Miles	Total	Carbon	Nitrogen
Weight (pounds)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
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	Miles	Total	Carbon	Nitrogen
Weight (pounds)		<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
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 10 de

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R. B. Summerfie Ka Assistant Division

Chief Mobile Source Division

day of August, 1992.

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacture	rF	OVER GROU	LIMITED	E	ngine Family	PLR3. 9T5	FSS9
. assenger Ca	r (PC) Lt	-Duty Truck		(T1/T2)	Med-Duty Vehic	ie <u>M2</u> (M	1/M2/M3/M4/M5
Stds Type:	TIER O (TIER O/	1, AB965, TLE	V, LEV,ULE	V) Vel	h. Type (FFV, HEV (Type A/B/C)):	
Fuel Type:	GASOLINE				Evaporative Family	, RA	Fl
Engine Config	. <u>V-8</u>	Liter	(CID) <u>3.9</u>	95 (2	41)	•	•
Engine: Fro	ont <u> </u>	Rear	Drive:	'FWD _	RWD4	IWD-FT 🗸	4WD-PT
	Special Features (i ions per SAE 1930		FI, etc.)		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.
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

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