LAND ROVER GROUP LTD.

EXECUTIVE ORDER A-277-0029 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515-39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

	MODEL TEST GROU				VEHICLE TYPE PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW)	EXHAUST EMISSION STANDARD CATEGORY (LEV=low emission vehicle; TLEV= transitional LEV; ULEV=ultra LEV; SULEV=super ULEV)			EXHAUST / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)			
200	2003 3LRXT02.500				LDT: 3,751-5,750 pounds LVW	LEV			100K / 100K	Gasoline			
No.		EVAPORATIVE FAMILY (EVAF)			SPECIAL FEATURES EMISSION CONTROL SYSTE	& MS (ECS)	* = not applicable	OC	:/TWC=oxidizing/3-way cat. ADSTWC=adsorbing TWC J= warm-up cat. O2S/HO2S=oxygen sensor/heated O2S				
1	3LR	XR012	24002	1	2TWC, 2HO2S(2), SFI, OBD (A⊦	S/HAFS=air-fuel ratio s	ensor/heated AFS_EGR=exhaust				
2	*			2		•	gas	gas recirculation AIR/PAIR=secondary air injection/pulsed AIR MFI/SFI= multiport fuel injection/sequential MFI TBI= throttle body injection TC/SC=turbo /super charger CAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=parallel (2) suffix=series					
3	•			3		*	ТВ						
4		*				+	dia						
EVAI No.	,				HICLES SUBJECT TO SFTP ANDARDS ARE UNDERLINED ABBREVIATIONS:								
1	1		2.5		Land Rover Freelander (5-door, 3-door)								
*		*	*				*						
*		*	*				*						
*		*	*										

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows (compliance with the 50 °F testing requirement (for TLEV, LEV, ULEV, SULEV) may have been met based on the manufacturer's submitted compliance plan in lieu of testing). Any debit in the manufacturer's "NMOG Fleet Average" (PC and LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required. (For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

NM AVE	NMOG FLEET AVERAGE [g/mi]		NMOG @ RAF=0.94 CH4 RAF = *		NMOG or	Hilliouen	пспо≕то	rmaidenvas	• PM=nar	TICIHIATA M	natter I	日 ひ 巨黒するったがん	rbon CO=ca	nt faatas '	7/2 D [-/44	3-010 4	
CER	T STD		NMOG	NMHC	NMHC STD	mg=millig	N-SOUK K	∟ (g/mij=rui	nning loss 000 miles	OKVKIS	g/gallon	dispensed] shrenheit	=on-board re SFTP=supp	fueling vap	or recovery	g≠gram	
0.10	0	0.093	CERT	CERT	[g/mi]	CO [g/mi]			x [g/mi]		HCHO [mg/mi]		PM [g				
			[g/mi]	[g/mi]	13	CERT	STD	CERT	ST	O CI	ERT	STD	CERT	STD	CERT	STD	
10.15		@ 50K	0.043	*	0.100	0.5	4.4	0.04	0.4	ı د	0.3	18	*	*	0.01	0.5	
	100	@ UL	0.043	*	0.130	0.5	5.5	0.04	0.5	5 (0.3	23	*	•	0.01	0.7	
7	@ 50	°F & 4K	0.110	*	0.200	1.0	4.4	0.1	0.4		0.3	36	*	*	*	*	
	CO [g/mi] @ 20°F & 50K		SFTP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV)			NMHC+NOx [g/mi] CO [composite) (comp			NMHC+NOx [g/mi] [US06]					IC+NOx	CO [g/mi] [SC03]		
50			SFTP 2 = @ UL (Tier 1, TLEV)		CERT	STD	CERT	STD	CERT	STD	CEI	RT STE			CERT	STD	
CERT	3.4	金. 引		SFTP 1	*	*	*	*	0.15	0.25	2.0	0 10.	0.06	0.27	0.3	3.5	
STD	12.5			SFTP 2	*	*	*	*	*	*	*	•	•	•	*	. *	
@ UL	E	VAPOR	ATIVE FAM	ILY 1	EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				EV	EVAPORATIVE FAMILY 4			
	3-D	2-0	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVE	₹ 3-D	2-D	RL	ORVR	
CERT	0.7	0.8	0.001	0.04	*	*	•	*	*	*	*	*		*	*	•	
STD	2.0	2.5	0.05	0.20	•	*	*	•	*	*		*	+-	*	+	+	

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.1 [on-board diagnostic, full or partial compliance], 2035 et seq. [emission control warranty], 2235 [fuel tank fill pipes and openings] (gasoline and alcohol fueled vehicles only), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model PC, LDT and MDV).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this ______ day of October 2002.

Aller Lyons, Chief

Mobile Source Operations Division