

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 G			GROUP		VEHICLE TYPE (PC=passenger car; LDT=light-du MDV=medium-duty vehicle; LVW vehicle weight; ALVW=adjustec GVW=gross vehicle weigh	STAN (LEV=low transition	IAUST EMISSION DARD CATEGORY emission vehicle; TLE val LEV; ULEV=ultra LE ULEV=super ULEV}	V= V;	EXHAUST & FUEL TYPE ORVR / (CNG/LNG=compress IQUefled natural gas USEFUL LIFE (UL) (miles) EXHAUST & FUEL TYPE (CNG/LNG=compress Iquefled natural gas LPG=liquefled petroleum					
200	7	7VVXB04.4U2N		• ,	PC and LDT ≤ 6,000 pounds PC; LDT 3,751 – 5,750 pound	LEV II ULEV			120K / 150K	Gasoline				
No.		EVAPORATIVE FAMILY (EVAF)			SPECIAL FEA EMISSION CONTROL			* = not applicable	. ₩u	OC/TWC≃oxidizing/3-way cat. ADSTWC=adsorbing WU= warm-up cat. O2S/HO2S=oxygen sensor/heat				
1	700	VVXR0130ET3			2TWC(2), S	FI, 2HO2S	, 2HAFS, O	Mrec	AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaust gas precirculation AIR/PAIR=secondary air injection/pulsed AIR					
2	700	VVXR0130EV6			*					MFI/SFI= multiport fuel Injection/sequential MFI TBI= throttle body injection TC/SC-turbo /super charger CAC=charge air cooler DAR=direct O3 reduction OBD (F) / (P)=full /partial on-				
3		*		3	*					board diagnostic prefix 2=parallel (2) suffix=series				
EVAI No.		ECS No.				CLES SUBJECT TO SFTP DARDS ARE UNDERLINED			BBREVIATIONS:					
1		1	4.4	1										
2	1 4.4							Volvo: (PC) S80 V8 AWD						
		*	+		*									
			*			•								

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.

NMOG FLEET AVERAGE STD [g/mi]		NMOG @ RAF= * CH4 RAF = *		NMOG or NMHC	[dlurnal+hot-soak RL [g/mi]=running loss ORVR [g/gallon dispensed]=on-board refueling vapor recovery g=gram											
PC/LD	T1 L	DT2	DT2 NMOG CERT		STD				=1000 miles F VOx [g/mi]		HCHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]	
0.043	3 0	0.055	[g/mi]	CERT [g/ml]	[g/mi]	CERT	STD	CERT		CE			CERT	STD	CERT	STD
		@ 50K	0.022	•	0.040	0.2	1.7	0.01	0.05	•		8	•	•	0.02	0.07
Assis Ass		@ UL	0.026	•	0.055	0.2	2.1	0.02	0.07	•		11	•	0.01	0.02	0.09
	@ 50°	F & 4K	0.035	*	0.080	0.2	1.7	0.01	0.05	•		16	•	*	*	*
	CO [g/mi] SFI		TP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV)		NMHC+NOx [g/mi] CO [g (composite) (comp							NMHC+NOx [g/ml] [SC03]		CO [g/mi] [SC03]		
			= @ UL (TI		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
CERT	1.3			SFTP 1	•	*	•	٠	0.04	0.14	1.5	8.0	0.01	0.20	0.2	2.7
STD	10.0			SFTP 2	•	*	•	*	•	•	+	•	•	•	*	*
@ UL	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				EVAPORATIVE FAMILY 4			
	3-D	2-0	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR
CERT	0.34	0.3	8 0.01	0.01	0.40	0.39	0.01	0.03	*		*	*	•	•	*	•
STD	0.65	0.8	5 0.0	0.20	0.50	0.65	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], 1968.2 [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).

BE IT FURTHER RESOLVED: That at the request of the manufacturer, LDT models in this test group with a GVW over 6,000 pounds are certified to and shall be required to comply with, the evaporative emission standards applicable to LDT under 6,000 pounds GVW. At the request of the manufacturer, LDT models in this test group with a LVW 3751 to 5750 pounds are certified to, and shall be required to comply with, the passenger car SFTP standards.

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.

This Executive Oder hereby supersedes Executive Order A-018-0148 dated June 29, 2006.

Executed at El Monte, California on this _____ / day of November 2006.

Annette Hebert, Chief

Mobile Source Operations Division