Califurnia Environmental Protection Agency	EXECUTIVE ORDER A-018-0153 New Passenger Cars, Light-Duty Trucks
	 and Medium-Duby Vahiolog

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 GROUP VEHICLE TYPE			EXHAUST EMISSION STANDARD CATEGORY	USEFU (mi		IN COM (*=N/A c A/E=e	MEDIATE I-USE PLIANCE Ir full in-use; xh. / evap. diate in-use)	FUEL TYPE	
	8VVXV03.0U2T	Passenger Car	"LEV II" Ultra Low Emission Vehicle (LEV II	EXH / ORVR	EVAP	EXH	EVAP		
			ULEV)	120K 150K		• •		- Gasoline	
No.		PECIAL FEATURES	EVAPORATIVE	DISPLACEMENT (L)					
1	TWC, HAFS, HO	2S, SFI, TC, CAC, OBD(P)		8VVXR0130EB6					
•		•							
•	<u> </u>	•			3				
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See the Attachment for Vehicle Models, Evaporative Family, Engine Displacement, Emission Control Systems, Phase-In Standards, OBD Compliance, Emission Standards and Certification Levels, and Abbreviations.

BE IT FURTHER RESOLVED:

That the exhaust and the evaporative emission standards and the certification emission levels for the listed vehicles are as listed on the Attachment. Compliance with the 50° Fahrenheit testing requirement 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 or LDT) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

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).

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 June 2007.

Annette Hebert, Chief Mobile Source Operations Division

California Environmental Protection Agency AIR RESOURCES BOARD

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ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

(For bi-, dual- or flexible-fueled vehicles, the STD and CERT in parentheses are those applicable to testing on gasoline test fuel.)

CERT STD NMOG NMHC NMHC Toi cost, RL, [g/m]=numme) [oss, GVPK [cg/min] and angened@beboatin and and approxed. CB Junglessife2 day dumate and approxed. 0.034 0.040 CERT STD Immate: K=000000 states and spenned@beboatine. PM [g/min] Hwy NOx [g/min] CERT STD CERT STD <th>NMOG AVERAG</th> <th>FLEET E [g/mi]</th> <th></th> <th>@ RAF=* RAF = *</th> <th>NMOG o</th> <th colspan="11"></th>	NMOG AVERAG	FLEET E [g/mi]		@ RAF=* RAF = *	NMOG o												
Construction Ig/mil Construction Month PM (g/mil) PM (g/mil) </td <td>CERT</td> <td></td> <td></td> <td></td> <td></td> <td colspan="8">hot-soak; RL [g/m]=running loss; ORVR [g/gallon dispensed]=on-board refueling vapor recovery; g=gram; mg=milli ml=mile; K=1000 miles; F=degrees Fahrenheit; SFTF=supplemental federal lest procedure.</td> <td>illigram</td>	CERT					hot-soak; RL [g/m]=running loss; ORVR [g/gallon dispensed]=on-board refueling vapor recovery; g=gram; mg=milli ml=mile; K=1000 miles; F=degrees Fahrenheit; SFTF=supplemental federal lest procedure.								illigram			
@ 90K 0.012 · 0.040 0.21 1.7 0.02 0.05 · 8. · · 0.00 @ UL 0.014 · 0.055 0.2 2.1 0.02 0.07 · 11. · 0.01 0.00 @ 20F & 4.4K 0.40 · 0.056 0.2 1.7 0.02 0.07 · 11. · 0.00 @ 20F & 4.4K 0.400 · 0.080 0.2 1.7 0.02 0.07 · 11. · 0.01 0.00 @ 20F & 50K ////////////////////////////////////	0.034	0.040	[g/mi]		[g/mi]				ICHO [mg/mi]		PM [g	PM [g/mi]		VOx ia/mil			
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CO Government CO	a a	50°F & 4K	· · · · ·						_	·		11.	*	0.01	0.00	0.09	
@ 20*F & 50k (composite) (composite) (g/m)] LUS06 US06 (US06) (g/m)] (g/m)] (g/m)			Notice of the local state					0.02	0.0	5	•	16.	•	*	*	*	
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STD 10.0 SFTP @ * miles 1 2 1 0.03 0.14 0.0 8.0 0.01 0.20 0.3 Evaporative Family 3-Days Diurnal + Hot Soak (grams/test) @ UL 2-Days Diurnal + Hot Soak (grams/test) @ UL Running Loss (grams/mile) @ UL On-Board Refueling Vapo Recovery (grams/gallon) @ 8VVXR0130EB6 0.40 0.50 0.39 0.85 0.01 0.05 0.02 0.20 *	CEDT		statistic.				CERT	STD	CERT	STD	CERT	STD				STD	
STD 10.0 Image: SFIP @ * miles · </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>*</td> <td>0.03</td> <td>0.14</td> <td>0.0</td> <td>8.0</td> <td>0.01</td> <td>0.20</td> <td>- 03-</td> <td>2.7</td>								*	0.03	0.14	0.0	8.0	0.01	0.20	- 03-	2.7	
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= not applicable; UL=useful life; PC=passenger car; LDT=flight-duty fruck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; WW=loaded vehicle weight; ALVW=adjusted LVW; LEV=low emission vehicle; TLEV=transitional LEV; ULEV=ultra LEV; SULEV=super ULEV; TWC=3-way catalyst; aDSTWC=adsorbing TWC; WU=warm-up catalyst; OC=Socializing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air-fuel ratio sensor / heated AFS; EGR=exhau pas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SDR=throttle body injection; DGI=direct gasoline fuel injection; CC/SC= turbo/super charger; CAC=charge air cooler; OBD (F)(P)=full/partial on-board diagnostic; DOR=direct ozone reducing; prefix 2=parallel; (2) suffix=series; CNG/LNG= compressed/liquefied natural gas; LPG=liquefied petroleum gas; E85='85%' Ethanol Fuel; ECS ENGINE INTERMEDIATE (=N/A or full) inuse; A/E=exh, / evap. Intermediate in-use) PHASE-IN STD. OBI MAKE MODEL EVAPORATIVE FAMILY ECS ENGINE SIZE (L) INTERMEDIATE (*=N/A or full) inuse; A/E=exh, / evap. Intermediate in-use) PHASE-IN STD. OBI VOLVO S80 T6 AWD BV/XPD130EE8 4 4 4 4									•	+							
* = not applicable; UL=useful life; PC=passenger car; LDT=tight-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; ADSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; OCS=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air-fuel ratio sensor / heated AFS; EGR=exhau DaSTWC=adsorbing TWC; WU=warm-up catalyst; OC=oxidizing catalyst; OCS=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air-fuel ratio sensor / heated AFS; EGR=exhau pas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SFI=sequential MFI; TBI=throttle body injection; DGI=direct gasoline fuel injection; oppressed/liquefied natural gas; LPG=liquefied petroleum gas; E85="85%" Ethanol Fuel; CC/SC= turbo/super charger; CAC=charge air cooler; OBD (F)/(P)=tul/partial on-board diagnostic; DOR=direct ozone reducing; prefix 2=parallel; (2) suffix=series; CNG/LNG= 2008 MODEL YEAR: VEHICLE MODELS INFORMATION MAKE MODEL EVAPORATIVE FAMilLY ECS ENGINE ('=NA or full in-use; A/E=exh, / evap. PHASE-IN STD. OB VOLVO S80 T6 AWD B/V/XPD130EER 4 4 4 4 4						*	•		•		*		*				
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