## California Environmental Protection Agency AIR RESOURCES BOARD

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EXECUTIVE ORDER A-007-0231 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

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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.

MOD		TEST GROUP		P	MDV	VEHICLE TYPE passenger car; LDT=light-duty truck; =medium-duty vehicle; LVW=loaded sicle weight; ALVW=adjusted LVW)	CATEGOR vehicle; T	EMISSION STANDAI Y (LEV=low emiss 'LEV= transitional LEV; LEV; SULEV=super ULE	ion EVAPORATIVE	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)				
2003 3VWXV0			XV02.822	8		PC		LEV	100K / 100K	Gasoline				
No.			ORATIVE No. SPECIAL FEATURES & *= not app Y (EVAF) No. EMISSION CONTROL SYSTEMS (ECS)				* = not applicable	OC/TWC=oxidizing/3-way cat. ADSTWC=adsorbing TWC WU= warm-up cat. O25/HO2S=oxygen sensor/heated O2S						
1	3VW	/WXR0110234				TWC, HO2S(2), /	AIR, SFI, OBD	AFS/HAFS=air-fuel ratio s	sensor/heated AFS EGR=exhaust					
2		*					•	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						
3		*					•							
4		*		4			*	CAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=parallel (2) suffix=series						
EVAF No.		ECS ENGINE No. SIZE (L)					IICLES SUBJECT TO SFTP ABBREVIATIONS: *							
1		1	2.8			VOLKSWAGEN:	GTI VR6							
*		*	*			•								
*		*	*			·								
*		* *												

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	OG FL RAGE [	EET [g/mi]	NMOG @ CH4 R			CH4=methane NMOG=non-CH4 organic gas NMHC=non-CH4 hydrocarbon CO=carbon monoxide NOx=oxides of nitrogen HCHO=formaldehyde PM=particulate matter RAF=reactivity adjustment factor 2/3 D [g/test]=2/3 day diurnal+hot-soak RL [g/mi]=running loss ORVR [g/gallon dispensed]=on-board refueling vapor recovery g=gram										
CER	CERT STD		NMOG	NMHC	NMHC STD	mg=millig	ram mi=r	ig/mij–run nile K≈10	000 miles	F=deg	g/gallon grees Fa	aispenseaj: hrenheit	SFTP=sup	erueling vap plemental fe	or recovery derai test p	g≖gram ocedure
0.05	6 (	0.062	CERT	CERT [g/mi]	[g/mi]	-	[g/mi]	NO	NOx [g/mi]		HCHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]	
			[g/mi]			CERT	STD	CERT	STD	CE	ERT	STD	CERT	STD	CERT	STD
3.		@ 50K	0.044	*	0.075	0.4	3.4	0.1	0.2		1	15	•	*	0.02	0.3
		@ UL	0.049	*	0.090	0.6	4.2	0.1	0.3		1	18	*	*	0.02	0.4
254	@ 506	°F & 4K	0.050	*	0.150	0.4	3.4	0.04	0.2	0	0.0	30	•	*	*	*
CO   @ 20		SFTP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV)			NMHC+NC (compo			CO [g/mi] NMHC (composite) [g/mi] [					NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]	
50	50K		SFTP 2 = @ UL (Tier 1, TLEV)		CERT	STD	CERT	STD	CERT	STD	CEI	RT STC	CER	T STD	CERT	STD
CERT	2.2	1.28		SFTP 1	*	*	*	*	0.07	0.14	0.	4 8.0	0.11	0.20	1.6	2.7
STD	10.0	100	1000	SFTP 2	*	*	*	*	*	*	+	+	+	*	*	*
@ UL -	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2 EVAPOR					ORATI	RATIVE FAMILY 3 EVAPOR				TIVE 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	1.0	0.8	0.02	0.05	*	*	*	*	*	*	*	*	*	*	*	*
STD	2.0	2.5	6 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 2974 day of May 2002.

Aller Lyons, Chief Mobile Source Operations Division