

GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-006-1235-1

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 YEAR	TEST GROUP	VEHICLE TYPE	EXHAUST EMISSION STANDARD CATEGORY	USEFU (mli		IN- COMP (*=N/A or A/E=ex	MEDIATE USE LIANCE full in-use; h. / evap. late in-use)	FUEL TYPE
2005 5GMXT06,0188	5GMXT06.0188	MDV: 5751-8500 Pounds ALVW	Low Emission Vehicle (LEV)	EXH / ORVR	EVAP	EXH	EVAP	Gasoline (Tier 2
			, ,	120K	150K	*	Ε	Unleaded)
No.	ECS &		EVAPORATIVE FAMILY (EVAF)				EMENT (L)	
1	2WU-TWC,2T	5GMXE	223842			, , , , , , , , , , , , , , , , , , ,		
•		5GMXE	260843					
*		5GMXR0	176821			6		
*		*	5GMXR0	223841				

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.

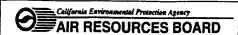
The Bureau of Automotive Repair will be notified by copy of this Executive Order.

This Executive Order hereby supersedes Executive Order A-006-1235 dated March 26, 2004.

1974 day of June 2004. Executed at El Monte, California on this

Allen Lyons, Chief

Mobile Source Operations Division



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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.)

NMOG FLEET AVERAGE [g/mi]		NMOG @ RAF=* CH4 RAF = * NM		THEO CO	IMOG or NMHC hot-soak; RL [g/mi]=running loss; ORVR [g/gallon dispensed]=on-board refueling vapor recommendations.									-
CERT	STD	NMOG	NMHC	NMHC STD	HOL-SOAK, R	L≀ovmii≕run	nina ioss: Oi	KVR io/galior	n dispensedi:	on-board refu mental federa	ielina venor r		ram; mg=milli	gram
		CERT CERT [g/mi] [g/mi]		[g/mi]	CO [g/mi]		NOx [g/mi]			[mg/mi]	PM [g/mi]		Hwy NOx (g/m	
in tedage minjere state e myrupa-			fāvirul		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
	@ 50K	0.103	*	0.195	2.8	5.0	0.2	0.6		22.	*	*	0.2	1.2
والمتعادية والمتعاددة	@ UL	0.103	•	0.280	2.8	7.3	0.2	0.9	*	32.	*	•	0.2	1.8
0	50°F & 4K	0.177	*	0.390	3.2	5.0	0.2	0.6	*	44.	*	*	•	•
	¥		4 - 0.0	NMHC+NC	Ox [g/mi]	CO [g	/mi]	NMHC+N	Ox I	CO [a/mi]	NMI	IC+NOx	00.1	-/17

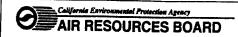
) [g/mi]			(com	osite)		osite)		[US06]		06]	[g/mi]	[SC03]	isc	
@ 20	0°F & 50K			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
CERT	*	SFTP	@ * miles	*	•	*	*	*	*		*	•			
STD	*	SFTP	@ * miles	*	*	*	*	*	*	. •	•	*	*	•	*
			3-Davs D	iurnal + Ho	t Soak	2-Days Di	urnal + H	ot Soak	6	unning t	200		n Decad	D-611	

Evaporative Family	3-Days Diurnal + Hot Soak (grams/test) @ UL		2-Days Diurnal + Hot Soak (grams/test) @ UL		Runnin (grams/m		On-Board Refueling Vapor Recovery (grams/gallon) @ UL		
	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
5GMXE0223842	0.41	1.00	0.54	1.25	0.00	0.05	*	*	
5GMXE0260843	0.38	1.00	0.28	1.25	0.00	0.05	+	-	
5GMXR0176821	0.61	1.00	0.67	1.25	0.00	0.05	0.14	0.20	
5GMXR0223841	0.41	1.00	0.54	1.25	0.00	0.05	0.09	0.20	

* = not applicable; UL=useful life; PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; ECS= Emission Control System; STD= Standard; CERT= Certification; LVW=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=oxidizing catalyst; O2S=oxygen sensor; HO2S=heated O2S; AFS/HAFS=air- fuel ratio sensor / heated AFS; EGR=exhaust gas recirculation; AIR=secondary air injection; PAIR=pulsed AIR; MFI= multiport fuel injection; SFI=sequential MFI; TBI=throttle body injection; TC/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

2005 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	EVAPORATIVE FAMILY	ECS NO.	ENGINE SIZE (L)	INTERMEDIATE IN-USE COMPLIANCE (*=N/A or full in-use; A/E=exh. / evap. intermediate in-use)		PHASE-IN STD.	OBD II
CHEVROLET	1/0500 UD OU VED A DO 11/10		 		EXH	EVAP		
CHEVROLE	K2500 HD SILVERADO 4WD	5GMXR0223841	1	6	*	E	*	Full
CHEVROLET	K2500 HD SILVERADO 4WD	5GMXR0176821	1	6	•	Ε	*	Full
CHEVROLET	K3500 SILVERADO 4WD	5GMXR0223841	1	6	*	E	*	Full
CHEVROLET	K3500 SILVERADO 4WD	5GMXE0223842	1	6	*	E	*	Full
GMC	C2500 YUKON XL 2WD	5GMXE0260843	1	6	*	E	*	Full
GMC	C2500 HD SIERRA 2WD	5GMXR0176821	1	6	*	E	*	Full
GMC	C2500 HD SIERRA 2WD	5GMXR0223841	1	6	*	E	*	Full
GMC	C3500 SIERRA 2WD	5GMXE0223842	1	6	*	E	*	Full
GMC	K2500 YUKON XL 4WD	5GMXE0260843	1	6	*	E	•	Full
GMC	K2500 HD SIERRA 4WD	5GMXR0176821	1	6	*	E	*	Full
GMC	K2500 HD SIERRA 4WD	5GMXR0223841	1	6	*	E	*	Full
GMC	K3500 SIERRA 4WD	5GMXE0223842	1	6	*	E	*	Full
GMC	K3500 SIERRA 4WD	5GMXR0223841	1	6	*	E	*	Full
CHEVROLET	C1500 SILVERADO 2WD	5GMXR0176821	1	6	*	E	*	Full
CHEVROLET	K1500 SILVERADO 4WD	5GMXR0176821	1	6	*	E	*	Full
GMC	C1500 SIERRA 2WD	5GMXR0176821	1	6	•	E	*	Full



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GMC	K1500 SIERRA 4WD	5GMXR0176821	1	6	•	E		Full
CHEVROLET	C2500 SUBURBAN 2WD	5GMXE0260843	1	6	•	E		Full
CHEVROLET	C2500 HD SILVERADO 2WD	5GMXR0223841	1	6		E	*	Full
CHEVROLET	C2500 HD SILVERADO 2WD	5GMXR0176821	1	6		E	 	Full
CHEVROLET	C3500 SILVERADO 2WD	5GMXE0223842	1	6		E	•	Ful
CHEVROLET	K2500 SUBURBAN 4WD	5GMXE0260843	1	6			-	Full