

### GENERAL MOTORS CORPORATION

**EXECUTIVE ORDER A-006-1235** 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	(mi	JL LIFE les)	IN- COMP (*=N/A or A/E=ex	MEDIATE -USE -LIANCE -full in-use; h. / evap. late in-use)	FUEL TYPE	
2005	5GMXT06.0188	MDV: 5751-8500 Pounds ALVW	Low Emission Vehicle (LEV)	EXH / EVAP 120K 150K		EXH	EVAP	Gasoline (Tier 2	
Merco Company		Zeron com a servicio de la servicio del servicio de la servicio del servicio de la servicio della servicio de la servicio della servicio dell	(,			•	E	Unleaded)	
No.		SPECIAL FEATURES	EVAPORATIVE	FAMILY (EV				EMENT (L)	
1	2WU-TWC,2T	WC, 2HO2S(2), SFI, OBD(F)		5GMXR0176821					
*		*	5GMXR0	5GMXR0223841 5GMXE0260843					
*		*	5GMXE					6	
*		*	5GMXE0						

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.

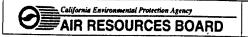
The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this

Allen Lyons, Chief

Mobile Source Operations Division

day of March 2004.



### **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.)

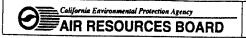
AVER	AGE [g/mi]		@ RAF=" RAF = *	NMOG or	110110-101	HAIUCHVUE, F	m-parucui	ate maiter. R	AP EFRACTI	VIIV aduletme	ot factor.	2/2 D (~//~	atl=2/2 day.	NOx=oxides d	
CERT STD NMOG NMHC		NMHC STD	HIOU-SOAK, F	KL IO/ITHI≌RUN	nina ioss: t	ORVR (g/gallo Fahrenheit;	an dispens	endi=on_bose	d rafiralia			diumar+ ram; <b>mg</b> =milli	gram		
*		CERT [g/mi]	CERT	[g/mi]	CO	[g/mi]	NO	x [g/mi]	HC	HO [mg/mi		PM [g/		Hwy NC	x [g/mi]
A SOUTH A PERSON	8 5016			ļ	CERT	STD	CERT	STD	CEF	T STE		ERT	STD	CERT	STD
	@ 50K	0.103	<u> </u>	0.195	2.8	5.0	0.2	0.6		22.		•	*	0.2	1.2
	@ UL	0.103	•	0.280	2.8	7.3	0.2	0.9	*	32.		•	*	0.2	1.8
(PARTIES	@ 50°F & 4K	0.177	*	0.390	3.2	5.0	0.2	0.6	•	44.	$\dashv$	•	*	*	*
	Ŷ.	8 2 8V E SA	Control of the St	NMHC+NO	Ox [a/mi]	CO [g	/mi]	NMHC+	NOx	CO [g/	mil	NMHC	:+NOx	CO	g/mi]
	[g/mi]	DOM:	4	(comp		(compo	site)	[g/mi] [U	S06]	[บรั้ง			[SC03]		03]
@ 20°	[g/mi] °F & 50K						STD		S06] STD						
		SFTP	2 * miles	(comp	osite)	(compo		[g/mi] [U		[US06	31	[g/mi]	[SC03]	[SC	03]
@ 20°		SFTP SFTP		(comp	osite)	(compo		[g/mi] [U		[US06	31	[g/mi]	[SC03]	[SC	03]

Evaporative Family	3-Days Diurnal + Hot Soak (grams/test) @ UL		2-Days Diurnal + Hot Soak (grams/test) @ UL			ng Loss nile) @ UL	On-Board Refueling Vapor Recovery (grams/gallon) @ UL		
	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
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	
5GMXE0260843	0.38	1.00	0.28	1,25	0.00	0.05	0.00	v 0.20	
5GMXE0223842	0.41	1.00	0.54	1.25	0.00	0.05	•	*	

\* = 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=sutper 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 TC/SC= trubo/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			INTERMEDIATE IN-USE COMPLIANCE (*=N/A or full in-use; A/E=exh. / evap. intermediate in-use)		PHASE-IN STD.	OBD II
					EXH	EVAP		
CHEVROLET	C2500 HD SILVERADO 2WD	5GMXR0176821	-1	6	de	Ε	*	Full
CHEVROLET	K2500 HD SILVERADO 4WD	5GMXR0176821	1	6	*	E	*	Full
CHEVROLET	C2500 HD SILVERADO 2WD	5GMXR0223841	1	6	*	E	*	Full
CHEVROLET	K2500 HD SILVERADO 4WD	5GMXR0223841	1	6	*	E	*	Full
CHEVROLET	K3500 SILVERADO 4WD	5GMXR0223841	1	6	*	E	*	Full
CHEVROLET	C2500 SUBURBAN 2WD	5GMXE0260843	1	6	*	E	*	Full
CHEVROLET	K2500 SUBURBAN 4WD	5GMXE0260843	1	6	*	E	*	Full
CHEVROLET	C3500 SILVERADO 2WD	5GMXE0223842	1	6	*	E	*	Full
CHEVROLET	K3500 SILVERADO 4WD	5GMXE0223842	1	6	*	E	*	Fuil
GMC	C2500 HD SIERRA 2WD	5GMXR0176821	1	6	*	E	*	Full
<b>G</b> MC	K2500 HD SIERRA 4WD	5GMXR0176821	1	6	*	E	*	Full
GMC	C2500 HD SIERRA 2WD	5GMXR0223841	1	6	*	Ε	*	Fulf
GMC	K2500 HD SIERRA 4WD	5GMXR0223841	1	6	*	Ε	*	Full
GMC	K3500 SIERRA 4WD	5GMXR0223841	1	6	*	E	*	Full
GMC	C2500 YUKON XL 2WD	5GMXE0260843	1	6	*	E	*	Full
GMC	K2500 YUKON XL 4WD	5GMXE0260843	1	6	*	E	*	Full



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GMC	C3500 SIERRA 2WD	5GMXE0223842	1	6	*	E	*	Full
GMC	K3500 SIERRA 4WD	5GMXE0223842	1	6	*	E	*	Full
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