GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-006-1152 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.

MOD YEA		TEST GROUP			VEHICLE TYPE (PC=passenger car; LDT=light-dut MDV=medium-duty vehicle; LVW= vehicle weight; ALVW=adjusted	CATEGORY vehicle: T	EMISSION STAND (LEV=low emis LEV= transitional LEV LEV; SULEV=super U	ssion V:	EXHAUST / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefled natural gas; LPG=liquefled petroleum gas)				
200		4GMXT05.3178			MDV: 3,751-5,750 Pounds A	in 8 as ARB LEV I SUL	EV	EXH/ORVR: 120K EVAP: 150K	Gasoline (Tier 2 Unleaded) Plus Battery Assist					
No.		APORATIVE MILY (EVAF)			SPECIAL FEATEMISSION CONTROL	TURES SYSTE	& VIS (ECS)	* = not applicable	OC	C/TWC=oxidizing/3-way	cat. ADSTWC=adsorbing TWC			
1	4GN	IXR01	76820	1			2S(2), OBD (F	⊗A⊁	·S/HAFS=air-fuel ratio s	O2S=oxygen sensor/heated O2S ensor/heated AFS EGR=exhaust				
2		*				*		ga Ali	s recirculation AIR/PAI	R=secondary air injection/pulsed				
3		*				*		- ПТВ	TBI= throttle body injection TC/SC=turbo /super charges					
4		*				*		dia	CAC=charge air cooler OBD (F) / (P)=fuil /partial on-board diagnostic prefix 2=parallel (2) suffix=series					
EVAI No.	1 -	ECS ENGINE No. SIZE (L)			VEHICLE MAKES & MODELS			ECT TO SFTP EUNDERLINED	ABBI	BBREVIATIONS: *				
1		1	5.3		CHEVROLET: C15 SILVERADO HYBRID 2WD, K15 SILVERADO HYBRID 4WD; GMC: C15 SIERRA HYBRID 2WD, K15 SIERRA HYBRID 4WD									
*		* *			* * * * * * * * * * * * * * * * * * *									
*		*	*				*							
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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.)

	NMOG FLEET AVERAGE [g/mi]			NMOG @ RAF= * CH4 RAF = *		Introden	nunu=to:	maidenvda	e PM=na	rficula	ta matter	CH4 hydroca RAF=reactiv	ritr adinatus	ant faatas	2/2 D I-M4	5	
CER	CERT STD		NMOG	§ NMHC	NMHC STD [g/mi]	mg=millig	ot-soak K	∟ լց/mij=ru:	nning loss 1000 miles	S ORV	/R [g/gailo	n dispensed) Fahrenheit	=on-board r	refueling var plementai fe	Or recovery	g≖gram	
	* *		CERT [g/mi]	[g/mi]			[g/mi]				HCHO [mg/mi]			g/mi]		x [g/mi]	
			[8,,,,,]	fauni		CERT	STD	CER	r st	D C	CERT	STD	CERT	STD	CERT	STD	
		@ 50K	0.055	* *	0.125	1.0	3.4	0.09	0.1	14	*	15	*	*	0.03	0.19	
		@ UL	0.066	*	0.156	1.3	4.2	0.12	0.2	20	*	18	*	*	0.07	0.27	
	@ 50°	F & 4K	*	*	*	*	*	*	•		*	*	*	*	*	*	
@ 20	@ 20°F &		SFTP 1 = @ 4K (SULEV, ULE LEV) or 50K (Tier 1, TLI		NMHC+NC (compo		CO [g/mi] (composite)		NMHC+NOx [g/mi] [US06]		CO [g/mi] [US06]		HC+NOx ni] [SC03]		[g/mi] C031		
50	K	SFIP 2	= @ UL (Tie	or 1, TLEV)	CERT	STD	CERT	STD	CERT	S	TD CE	RT ST	D CER	T STD	CERT	STD	
CERT	3.6			SFTP @4K	*	*	*	*	0.1	0.	.4 1	.8 10.	5 0.04	0.31	0.4	3.5	
STD	12.5		SF	TP @120K	0.15	1.06	*	*	•	•	• 2	.2 16.	9 *	*	0.9	5.6	
@ UL			ATIVE FA		EVA	EVAPORATIVE FAMILY 2 EVA				EVAPORATIVE FAMILY 3				EVAPORATIVE FAMILY 4			
	3-D	2-0	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-0	R	ORV		2-D	RL	ORVR	
CERT	0.61	0.67	7 0.00	0.14	*	*	*	*	*	*	•	*	*	*	*	*	
STD	0.90	1.18	5 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: The listed vehicle models are federally certified, and are certified under the provisions of 13 CCR Section 1961(a)(14) and the incorporated test procedures.

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.

Allen Lyons, Chief

Executed at El Monte, California on this

__ day of October 2003.

Mobile Source Operations Division