

GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-006-1454 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 TEST GROUP					VEHICLE TYPE C=passenger car; LDT=light-duty IDV=medium-duty vehicle; LVW=i vehicle weight; GVW=gross Vi	STAND (LEV=low a transitions	UST EMISSION ARD CATEGORY mission vehicle; TLE LEV; ULEV=ultra LE EV=super ULEV)		EXHAUST & ORVR / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE {CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas}				
200	2008 8GMXT0					LDT 3,751-5750 pounds LV (<6,000 pounds GVW and >6, pounds GVW)					120K / 150K Gasoline (Tier 2 Unleaded)				
No.			PORATIVE N			SPECIAL FEATI EMISSION CONTROL S		S (ECS)	* = not applicable		OC/TWC=oxidizing/3-way cat. ADSTWC=adsorbin				
1	8GI	GMXR0138813				2TWC, 21	1025(2),	SFI, OBD (F	11	AFS-NAFS-air-fuel ratio sensor/heated AFS EGR-eachaust gas recirculation AIR/PAIR-secondary air injection/pulsed AIR MFUSF= multiport fuel injection/sequential MFI TB= throttle body injection TC/SC-author inspec charger (CAC-charge air cooler OBD [F] / [P]=fulf partial on-board					
2	8GI	8GMXR0197982					•		11/						
3	8GMXR0197972				3		•								
4		•			4		•	diagnostic prefix 2=parallel	(2) suffix=series						
EVA No.		ECS No.				VEHICLE MAKES & MODELS			CT TO SFTP UNDERLINED	AB	ABBREVIATIONS:				
1		1 3.6			Saturn: VUE FWD, YUE AWO										
2		1	3.6			GMC: Acadia AWD, Acadia FWD; Bulck: Enclave AWD, Enclave FWD; Saturn: Outlook AWD, Outlook FWD									
3	T	1 3,6			GMC:Acadia AWD, Acadia FWD; Buick; Enclave AWD, Enclave FWD; Saturn: Outlook AWD, Outlook FWD										
		•	•			·									

The exhaust and evaporative emission standards (STD), as requested by the manufacturer, 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.)

AVE	OG FLE	/mi]	NMOG @		NMOG of	nitrogen	CH4=methans NMCG=non-CH4 organic gas NMHC=non-CH4 hydrocarbon CO=carbon monoxide NOx=oxides of nitrogen HCHO=formaldshyde PM=particulate matter RAF=reactivity adjustment factor 23 D [g/test]=2/3 day diurnal+pole-poix Rt [g/m]=running loss ORVR [g/gallon dispensed=non-board refusiting vapor recovery gragman										
CERT	RT STD		NMOG NMHC		STD		mg=milligram mi=mile K=1000 miles F=degrees Fahrenheit SFTP=supplemental federal test procedure										
0.047	0.050		CERT	CERT	[g/mi]	CO	[g/mi]	NO	x [g/mi]	H	CHO	mg/mi]	PM [p/ml]	Hwy NO	x [g/ml]	
0.047	0.0	034	[g/ml]	[g/mi]	FRAME	CERT	STD	CERT	STI	CE	RT	STD	CERT	STD	CERT	STD	
a.	@ 50K		0.081	•	0.075	1.1	3.4	0.03	0.0	5	*	15	•	•	0.01	0.07	
	@ UL		0.061	•	0.090	1.1	4.2	0.03	0.0	7	•	18	•	0.01	0.01	0.09	
Ī.,	⊘ 50°l	F & 4K	•	•	•	•	•		•		•	*	•	•	•	*	
CO [SFTP 1	= @ 4K (SUL EV) or 50K (TI	EV, ULEV, or 1, TLEV)	NMHC+N (comp		CO [g/mi] (composite)		NMHC+NOx [g/mi] [US08]		CO [g/mi] [US08]		NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]		
50			= @ UL (Tier 1, TLEV)		CERT	STD	CERT	STD	CERT	STD	CE	RT ST	CER	STD	CERT	STD	
CERT	3.1		S S	TP @ 4K	•	•	•	•	0,10	0.25	1.	6 10.	5 0.22	0.27	2.8	3.5	
STD	12.5	C a		TP @ UL	•	•	•	•	•	•] '	•	•	*	•	•	
@ UI	EV	APOR	ATIVE FAM	ILY 1	EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				E	EVAPORATIVE FAMILY 4			
@ UL	3-D	2-[RL	ORVR	3-D	2-D	RL.	ORVR	3-D	2-D	RL			2-D	RL	ORVR	
CERT	0.32	0,4	6 0.00	0.04	0.34	0.50	0.00	0.08	0.34	0.50	0.0	0.08	*	•	•	•	
STD	0.65	0.8	5 0.05	0.20	0.90	1.15	0.05	0.20	0.90	1.15	0.0	5 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).

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 February 2

Annette Hebert, Chief

Mobile Source Operations Division