GENERAL MOTORS LLC

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 (mil		IN-I COMPI (*=N/A or A/E=exi	IEDIATE USE LIANCE full in-use; 1. / evap. ate in-use)	FUEL TYPE		
2011	BGMXJ03.0157	PC and LDT <6000 # GVW (PC; LDT 3751-5750 # LVW)	USEPA Bin 4 Counted as ARB LEV2 ULEV	EXH / ORVR 120K	EVAP 150K	EXH	EVAP *	Gasoline (Tier 2 Unleaded)		
No.	ECS &	PROPERTY.	EVAPORATIVE FAMILY (EVAF)				DISPLACEMENT (L)			
1 2TWC(2), 2HO2S(2), DGI, OBD(F)			BGMXR							
2 2TWC, TWC, 2HO2S(2), DGI, OBD(F)			BGMXR	BGMXR0138813			•	3		
*		*	BGMXR	BGMXR0170956				1		

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, 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).

BE IT FURTHER RESOLVED.

The test group listed in this Executive Order is certified conditionally on the manufacturer providing test data to determine the greenhouse gas (GHG) emissions for the listed test group, expressed in grams per mile of carbon dioxide-equivalent (g/mi CO2-e), as required in section E.2.5.2 of the California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles, as amended August 4, 2005 (the Test Procedures). Manufacturer shall provide the required data within 45 days after the date of the Executive Order unless (a) an extension is granted by the Executive Officer, or (b) the manufacturer demonstrates to the satisfaction of the Executive Officer that it is exempt from determining GHG emissions for the listed test group under section E.2.5.3 (Intermediate Volume Manufacturers) or E.2.5.4 (Small Volume Manufacturers) of the Test Procedures. Failure to comply with the certification requirement to determine the GHG emissions for the listed test group may be cause for the Executive Officer to revoke the Executive Order. Vehicles in the revoked Executive Order shall be deemed uncertified and subject to penalties authorized under California law. Notwithstanding the requirement therein, the manufacturer is not required to determine GHG emissions for any medium-duty vehicles in the listed test group that are not medium-duty passenger vehicles.

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.

Robert Harmandlo for Annette Hebert

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 May 2010.

Annette Hebert, Chief

Mobile Source Operations Division

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

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.

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		T	NMOG or NMHC	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; mg=milligram												
PC/LD	T1 LDT2	CERT	NMHC CERT [g/mi]	STD [g/mi]	-	ni=mile; K=1000 miles; F=degrees Fahrenheit; SFTP=supplemental federal test procedure										
0.03	5 0.043	[g/mi]			CERT	O [g/mi] STD	CERT	Ox [g/mi] STI			mg/mi] STD	CERT C	STD	CERT	ox [g/mi] STD	
***	@ 50K	*	*	*	UEK I	*	#	*	UE!	$\overline{}$	*	VER I	310	CERT	*	
	@ UL		*	0.070	0.7	2.1	0.03	0.0	4 *		11.		0.01	0.02	0.05	
	@ 50°F & 4K		*	*	*	*	*	*	*		*	•	•	•	*	
С	CO [g/mi] @ 20°F & 50K				NMHC+NOx [g/mi] (composite)		CO [g/mi] (composite)		NMHC+NOx [g/mi] [US06]		O [g/mi] [US06]		NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]	
@ 2				CERT	STD	CERT	STD	CERT	STD	CEI	RT STD	CERT	STD	CERT	STD	
CERT	2.3	SFTP @ 4	000 miles	*	*	*	*	0.09	0.14	1,	8.0	0.08	0.20	1.2	2.7	
STD	10.0	SFTP	@ 120000 miles	0.08	0.63	*	*	*	•	1.3	3 11.1	1	*	1.2	3.7	
	Evaporative Family			Diurnal + Hot Soak ms/test) @ UL		2-Days Diurnal + Hot Soak (grams/test) @ UL		Running Loss (grams/mile) @ UL			Re	On-Board Refueling Vapor Recovery (grams/gallon) @ UL				
			CERT	S	ΓD	CERT		STD		Т	STD		CERT		STD	
	BGMXR0133810		0.22	0.	50	0.18		0.65	0.000	0.000 0.		0.01			0.20	
	BGMXR0138813		0.32	0.	65	0.46		0.85		0.000 0.05		0.04			0.20	
	BGMXR01709	56	0.49	0.	65	0.79	0.79 0.8		0.000		0.05		0.04		0.20	
	*		*	1	•			w		* *			*		*	

^{* =} 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 cafalyst; 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

2011 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	EVAPORATIVE FAMILY	ECS NO.	ENGINE SIZE (L)	IN-I COMPI (*=N/A or i A/E=exh	EDIATE JSE LIANCE full in-use; 1. / evap. ate in-use)	PHASE-IN STD.	OBD II
					EXH	EVAP		
CADILLAC	стѕ	BGMXR0133810	1	3	16r	*	SFTP	Full
CADILLAC	CTS WAGON	BGMXR0133810	1	3	*	*	SFTP	Full
CADILLAC	CTS AWD	BGMXR0133810	1	3	*	*	SFTP	Full
CADILLAC	CTS WAGON AWD	BGMXR0133810	1	3	*	*	SFTP	Full
CHEVROLET	EQUINOX FWD	BGMXR0138813	2	3	*	*	SFTP	Full
GMC	TERRAIN FWD	BGMXR0138813	2	3	*	*	SFTP	Full
CHEVROLET	EQUINOX AWD	BGMXR0138813	2	3	*	*	SFTP	Full
GMC	TERRAIN AWD	BGMXR0138813	2	3	*	*	SFTP	Full
CADILLAC	CADILLAC SRX 2WD		2	3	*	*	SFTP	Full
CADILLAC	SRX AWD	BGMXR0170956	2	3	*	*	SFTP	Fuli

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