California Environmental Protection Agency AIR RESOURCES BOARD	GENERAL MOTORS LLC	EXECUTIVE ORDER A-006-1820 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 1 of 2

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 (PC=passenger car; LDT=light-duty truck; MDV=medium-duty vehicle; LVW=loaded vehicle weight; ALVW=adjusted LVW)	EXHAUST EMISSION STANDARD CATEGORY (LEV=low emission vehicle; TLEV= transitional LEV; ULEV=ultra LEV; SULEV=super ULEV)	EXHAUST & ORVR / EVAPORATIVE USEFUL LIFE (UL) (miles)	FUEL TYPE (CNG/LNG=compressed/ liquefied natural gas; LPG=liquefied petroleum gas)
2013	DGMXJ03.6165	PC and LDT < 6000# GVW (PC; LDT 3751-5750# LVW)	USEPA Bin4 Counted as ARB LEV2 ULEV	120K / 150K	Gasoline (Tier 2 Unleaded)

No.	EVAPORATIVE FAMILY (EVAF)	No.	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS (ECS) * = not applicable
1	DGMXR0133810	1	2TWC(2), 2HO2S(2), DFI, OBD (F)
2	DGMXR0138813	2	2TWC, TWC, 2HO2S(2), DFI, OBD (F)
3	DGMXR0170956	3	*

OC/TWC=oxidizing/3-way cat. ADSTWC=adsorbing TWC WU= warm-up cat. O2S/HO2S=oxygen sensor/heated O2S AFS/HAFS=air-fuel ratio sensor/heated AFS EGR=exhaust gas recirculation AIR/PAIR=secondary air injection/pulsed AIR MFI/SFI= multiport fuel injection/sequential MFI TBI= throttle body injection DFI=direct fuel injection TC/SC=turbo /super charger CAC=charge air cooler OBD (F) / (P)=full /partial on-board diagnostic prefix 2=parallel (2) suffix=series

EVAF No.	ECS No.	ENGINE SIZE (L)	VEHICLE MAKES & MODELS	VEHICLES SUBJECT TO SFTP STANDARDS ARE UNDERLINED
1	1	3.0	CADILLAC: (PC) CTS, CTS WAGON, CTS AWD, CTS WAGON AWD	
1	1	3.6	CADILLAC: (PC) CTS, CTS WAGON, CTS AWD, CTS WAGON AWD; CHEVROLET: (PC) CAMARO	
1	2	3.6	CADILLAC: (PC) XTS, XTS AWD	
2	2	3.6	CHEVROLET: (LDT 3751-5750 pounds LVW) EQUINOX FWD, EQUINOX AWD; GMC: (LDT 3751-5750 pounds LVW) TERRAIN FWD, TERRAIN AWD	
3	1	3.0	SAAB: (LDT 3751-5750 pounds LVW) 9-4X FWD, 9-4X AWD	

ABBREVIATIONS:

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.

NMOG FLEET AVERAGE [g/mi]		NMOG @ RAF = * CH4 RAF = *		NMOG or NMHC STD [g/mi]	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 mi=mile K=1000 miles F=degrees Fahrenheit SFTP=supplemental federal test procedure									
STD	STD	NMOG CERT [g/mi]	NMHC CERT [g/mi]		CO [g/mi]		NOx [g/mi]		HCHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]	
PC/LDT1	LDT2				CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
0.035	0.043													
	@ 50K	*	*	*	*	*	*	*	*	*	*	*	*	*
	@ UL	0.027	*	0.070	0.5	2.1	0.01	0.04	*	11.	*	0.01	0.01	0.05
@ 50°F & 4K		*	*	*	*	*	*	*	*	*	*	*	*	*

CO [g/mi] @ 20°F & 50K		SFTP 1 = @ 4K (SULEV, ULEV, LEV) or 50K (Tier 1, TLEV) SFTP 2 = @ UL (Tier 1, TLEV)	NMHC+NOx [g/mi] (composite)		CO [g/mi] (composite)		NMHC+NOx [g/mi] [US06]		CO [g/mi] [US06]		NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]	
			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
CERT	1.3	SFTP @ 4K	*	*	*	*	0.02	0.14	3.8	8.0	0.01	0.20	0.2	2.7
STD	10.0	SFTP @ UL	0.04	0.63	*	*	*	*	4.0	11.1	*	*	0.4	3.7

@ UL	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2				EVAPORATIVE FAMILY 3				EVAPORATIVE FAMILY 4			
	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR	3-D	2-D	RL	ORVR
CERT	0.20	0.29	0.000	0.01	0.26	0.35	0.000	0.04	0.38	0.26	0.000	0.04	*	*	*	*
STD	0.50	0.65	0.05	0.20	0.65	0.85	0.05	0.20	0.65	0.85	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.

BE IT FURTHER RESOLVED: The test group listed in this Executive Order is certified conditionally on the manufacturer providing data to demonstrate compliance with California's greenhouse gas fleet average emission standard (CA GHG Standard) specified in Title 13, California Code of Regulations, (13 CCR) Section 1961.1 and the incorporated California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles, amended March 29, 2010 (CA Test Procedures). The manufacturer has elected, under 13 CCR Section 1961.1(a)(1)(A)(ii) and under Section E.2.5.1(ii) of the CA Test Procedures, to demonstrate compliance with the CA GHG Standard by demonstrating compliance with the National greenhouse gas program (National GHG Program). Therefore, the test group listed in this Executive Order is certified conditionally further on the manufacturer complying with the requirements specified in said provisions in 13 CCR, and Sections E.2.5.1(ii) and H.4.5(b) and H.4.5(c) of the CA Test Procedures (among other things, concerning data and information submission, timing, and format as specified by the Executive Officer). Failure to comply with the certification requirements to demonstrate compliance with CA GHG Standard by demonstrating compliance with the National GHG Program under said provisions in 13 CCR and CA Test Procedures 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 herein, a manufacturer that becomes, after MY2009, a large-volume manufacturer, as defined in 13 CCR Section 1900, is not required to comply with the CA GHG Standard until the beginning of the fourth model-year from becoming a large-volume manufacturer. Additionally, notwithstanding the requirement herein, a small-volume manufacturer, independent low-volume manufacturer, or intermediate volume-manufacturer, as defined in 13 CCR Section 1900, is not required to comply with CA GHG Standard during model-years (MY) 2012 through 2015.

BE IT FURTHER RESOLVED: The manufacturer has elected to certify the test group listed above to section 1.(b) of the proposed California Environmental Label Specifications for 2009 and Subsequent Model Year Passenger Cars, Light Duty Trucks and Medium-Duty Passenger Vehicles, considered by the California Air Resources Board (ARB or the Board) at a public hearing conducted on January 26-27, 2012 (California Specifications). The aforementioned test group is certified conditionally upon final approval of the California Specifications. In the event the California Specifications do not become effective, the manufacturer agrees to immediately, upon notification by ARB, (1) cease use of the label meeting section 1.(b) of the California Specifications, and (2) place a label meeting the California Environmental Label Specifications for 2009 and Subsequent Model Year Passenger Cars, Light Duty Trucks and Medium-Duty Passenger Vehicles, adopted May 2, 2008, on vehicles in production.

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 7 day of February 2012.

Annette Hebert, Chief
Mobile Source Operations Division