California Environmental Protection Agency

⊘ Air Resources Board

GENERAL MOTORS LLC. Executive Order: A-006-1986

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

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Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Division 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: 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.

							TEST GRO	UP I	INF	FORI	MATION						
MODEL YEAR	_	TEST GROUP				VEHICLE CLASS(ES)					FUEL CATEGORY				FUEL TYPE		
2016	2016 GGMXT03.6151					LDT3					DEDICATED SINGLE FUEL VEHICLE				GASOLINE		
Ĺ	JL LIFE	VEHICLE EMISSION CATE				ATE	GORY INTERIM / INT			TE	ERMEDIATE IN-USE STD						
EXH/ORVR EVAP					FTP					SF	TP	FTP				SFTP	
150000 150000					LE	v3 u	JLEV125 LEV 3 C			3 CC	MPOSITE	E *			NMOG+NOX		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								L			OBD STATI		ATUS	JS EN		GINE DISPLACEMENT (L)	
1	1 2TWC, TWC, 2HO2S(2), DFI								11		FULL		*				
*	* PARTIAL ALL MODELS 3.6										3.6						
*		* PARTIAL WITH * FINES															
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION																
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGO							GOR	RΥ	Y EVAP EMISSION STD VEHICLE CLASS SPECIA			AL FEATURES				
G	GGMXR0197972				LEV 2						LDT3 *				*		
						ΕN	MISSION CI	RED	IT	INFO	ORMATION						
		ALLOW	ANCE F	OR TE	ST GR	OUP								OPTIONAL EXH. STD FOR WORK			
BASE	LINE	PZEV	AT	PZE\	/ TZEV			IN.	NON-PZEV ZER		EV ZERO-E	EVAP		OR		TRUCKS	
	* *					*			N				И			И	
	NMOG AND FLEET AVERAGE INFORMATION																
NMOG	MOG BAE I CHA BAE I				OG/NMHC TIO HCHO/NMH			IHC	HC RATIO				X FLEET STD 0-3750 LVW) g/mi)	3750 LVW)		NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)	
*		*		1.	10			*				0	.093			0.110	

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.

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BE IT FURTHER RESOLVED:

The exhaust and 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+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan shall be equalized as required.

BE IT FURTHER RESOLVED:

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 2015 and Subsequent Model Criteria Pollutant Exhaust Emission Standards and Test Procedures and 2017 and Subsequent Model Greenhouse Gas Exhaust Emission Standards and Test Procedures for 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 June 2015.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

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UNLEADED

ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LE	/ELS
EVILATION CHANGE AND ADDE AND ADDITIONATION I EVEL OF THE UNIFER PART AND	

	EXHA	US	TAND	EV	APOR	ATIVE	EMIS	SION	STAN	IDAF	RDS AND	CERT	FIC	ATION	LEVEL	S	
		EXH	AUST E	MIS	SION S	TANDA	RDS AN	ND CER	TIFICA	TION	LEVELS	(FTP, HW	FET,	50°F, 20)°F)		
	393	FUEL TYPE		onox djust RVR	xide; No ment fa R [g HC/	Ox: oxide ctor; 2D gallon d	es of nitr HS/3DH lispense	rogen; H IS [g HC d]: on-bo	ICHO: :/test]: oard re	forma 2/3 da fuelin	: hydrocar ldehyde; P ays diurnal- g vapor red est proced	M: particu hot-soak covery; g:	late ; RL gram	matter; R [g HC/mi n; mg: mi	AF: react]: running lligram; m	ivity loss;	
11A/817				NMOG+NOx (g/mi)			CO (g/mi)				NOx g/mi)	HCI (mg/		_		PM /mi)	
				CER	T	STD	CERT	STI	D	CERT	STD	CERT		STD	CERT	STD	
FTP@5	OK	*		*		*	*	*		*	*	*		*	*	*	
FTP@L	TP@UL GASOLINE- LEV3 E10		10	0.05	54 0	.125	0.4	2.:	1	*	*	*		4	*	0.01	
50°F @4	0°F@4K GASOLINE- LEV3 E10			0.18	37 0	.250	1.8	2.:	1	*	*	*		16		(m. 1)	
					EU	EL TYP	E				NMOG+NO	x (g/mi)			CO (g/m	i)	
Control of the Control of the				TOLLTIFE			-		CERT		STD		CER	Т	STD		
HWFET @ 50K					*					*		*					
HWFE	T@UL			G.	ASOLI	NE-LEV	3 E10			0	.004 0.125						
20°F	@ 50K		GAS	OLI	NE-CO	ED CO	LOW OC	TANE						2.0		12.5	
			SI	FTP	EXHAL	JST EM	ISSION	STAND	ARDS	AND	CERTIFIC	ATION LE	VEL	.s			
		FUEL TYPE		US06					SC03			COMPOSITE					
	FUEL T			NMOG+NOx (g/mi)			CO Pl		M /mi)		OG+NOx g/mi)	CO NI (g/mi)		OG+NO) (g/mi)	CO (g/mi)	PM (mg/mi)	
0.414	*		CERT		*		*	1			*	*	Sept		100		
@ 4K			STD		*		*	87			*	*					
		ASOLINE- LEV3 E10		*			*	*		*		*	0.055		2.0	*	
@ UL							. *		*		*	*	0.110		4.2	*	
			BIN				Salah katan		- 1					0.120			
		W	OLE VE	HIC	LE EV						DS AND C		ATIO	N LEVEL	S		
-						WH	IOLE VI	EHICLE	EVAP	ORAT	TIVE TEST	ING		_	(- l 1) d		
	ORATIVI MILY	E FUEL		TYPE 3DH		DHS (g	S (g/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi) @		UL	
					CER	T S	TD	FEL	CEI	RT	STD	FEL		CER	T	STD	
GGMXR0197972		2	ASOLIN TIER UNLEAD	ER 2 0.32		2 0	. 90	*	0.57		1.15	* 0		0.0	0	0.05	
-	RVR / F	_		_	ISTER	BLEED	EVAPO	RATIVE	EMIS	SION	STANDA	RDS AND	CFF	RTIFICAT	TION LEV	FLS	
		T	-11-17	3,111							NLY EVA						
	ORATIVE		ORVR		R (g/gallon) @ UL				3D	OHS RIG TEST (g/test) @ UL		2DHS RIG 7 (g/test) @		TEST	BLEED C	ED CANISTER T (g/test) @ 4K	
		FU	JEL TYP	E	CERT	STD	, OLL			RT	STD	CERT		STD	CERT	STD	
GGMXR	019797	2	SOLINE TIER 2		0.06	0.20		*	,	k	*	*		*	*	*	

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: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 6001-8500#GVWR,3751-5750#ALVW; LDT4: LDT 6001-8500#GVWR,5751-8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: mediumduty passenger vehicle: ECS: emission control system: CERT: certification; STD: standard: FEL: family emission limit; GVWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-emission vehicle; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ADSTWC: adsorbing TWC; HAC: HC adsorbing catalyst; WU: warm-up catalyst; NAC: NOx adsorption catalyst; SCR-U or SCRC/SCR-N or SCRC-NH3: selective catalytic reduction-urea/ammonia; NH3OC: ammonia oxidation catalyst; CTOX/PTOX; continuous/periodic trap oxidizer; DPF: diesel particulate filter (active); GPF: PM filter for sparkignited engine; HO2S/O2S: heated/oxygen sensor; WR'-HO2S or AFS: wide range/linear/heated air-fuel ratio sensor; NOXS: NOX sensor; PMS: PM sensor; RDQS: reductant quality sensor; NH3S: ammonia sensor; EGR: exhaust gas recirculation; EGRC: EGR cooler; AIR/AIRE: secondary air injection (belt driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/IFI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; F/P/\$: full/partial/partial with fines on-board diagnostic: DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefix 2: parallel; (2) suffix: series; CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%" gasoline) fuel; E10: "10%" ethanol ("90%"gasoline) fuel; A: automatic (with lockup); M: manual transmission; SA: semi-automatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission

2016 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
BUICK	ENCLAVE AWD	LDT3	3.6	A6	GGMXR0197972	1	P	*
BUICK	ENCLAVE FWD	LDT3	3.6	A6	GGMXR0197972	1	P	*
CHEVROLET	TRAVERSE AWD	LDT3	3.6	A6	GGMXR0197972	1	P	*
CHEVROLET	TRAVERSE FWD	LDT3	3.6	A6	GGMXR0197972	1	P	*
GMC	ACADIA AWD	LDT3	3.6	A6	GGMXR0197972	1	P.	*
GMC	ACADIA FWD	LDT3	3.6	A6	GGMXR0197972	1	P	*