

GENERAL MOTORS LLC.

Executive Order: A-006-2216

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

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Pursuant to the authority vested in California 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: 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.

					TEST GR	OUP IN	FORM	MATION					
MODE	1 11	TEST GROUP			VEHICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE		
2020	LG	MXT02.0400			LDT2		Ι		SINGLE FUEL HICLE	GASOLINE			
USEFUL LIFE (miles) VEHICLE EMISSION (ATEG	ORY	INTERIM / IN	TEF	RMEDIATE IN-USE STD		
EXH/ORVR EVAP				FTP			SF	SFTP FTP			SFTP		
15	50000	150000		LEV3	ULEV50	ULEV50 LEV 3 COM		MPOSITE	OSITE PM		PM		
SPE	CIAL FE	ATURES & EX	HAUST I	EMISSIC	ON CONTRO	DL .	. The	OBD S	TATUS	ANTENNAME OF THE PERSON OF THE	ENGINE DISPLACEMENT (L)		
1	TV	NC, DFI, TC,	CAC, I	WR-HO2	S, HO2S		1	FULL	ULL *				
*	* *							PARTIAL ALL MODELS		7.80.00	2.0		
*	* * * *							TIAL WITH *					
		E\	/APORA	TIVE &	REFUELING	G (EVA	P/OR	/R) FAMILY	INFORMATION	1			
EVA	AP / ORV	R FAMILY	EVAPO	RATIVE	STD CATE	GORY		EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
1	LGMXR012637A LEV 3 OPTION2 WITH FEL							LD	T2		HCT		
				E	EMISSION C	REDIT	INFO	RMATION					
(6),600	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-F						ZEV	NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
	n n						N N						
				NMOG	AND FLEE	T AVE	RAGE	INFORMA	TION				
NMOG RAF	I NMOGNMHC I				PC+LDT	C+LDT (0-3750 LVW)			+NOX FLEET S (3751 LVW-850(R) + MDPV (g/m)	NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	,	*		0.065		0.074			*		

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. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



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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 fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c) (3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV 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).

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PART OF THE PROPERTY OF THE SPECIAL CONTRACTOR (SEC.)

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.

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Executed at El Monte, California on this ______ day of June 2019.

Allen Lyons, Chief

Emissions Compliance, Automotive Regulations and Science Division

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ATTACHMENT

	EXH								-			CERTI				S		
	FU	EL TY	C m av C	H4: me nonoxid djustme RVR [g	ethane; le; NO: ent fac g HC/g	; NMO k: oxide tor; 2D allon d	G: non- es of ni HS/3D ispenso	CH4 orga trogen; H HS [g HC ed]: on-bo	anic ga CHO: /test]: oard re	as; HC: formalo 2/3 day fueling	hydrocar dehyde; P vs diurnal vapor rec	(FTP, HW bon; NMH M: particu +hot-soak; covery; g: ure; SFTP	C: no late RL gran	on-CH4 I matter; F [g HC/mi n; mg: mi	HC; CO: c RAF: react]: running lligram; m	ivity Ioss;		
						0.153477	OG+NC g/mi)	Эx		CO (g/mi)			lOx _J /mi)		HCH mg/r		1 1 1 1 1 1 1 1	PM /mi)
			18. 1.2	CERT	S	TD	CER	T STI)	CERT	STD	CER	Г	STD	CERT	STD		
FTP@50	K	*	14-12 1 3-2-4	*	Carlo III. Carlo S	*	*	*		*	*	*		*	*	*		
FTP@U	0.000	SOLII ER3 I		0.019	0.	050	0.3	1.	7	*	*	***		4	0.001	0.003		
50°F @4	IK .	* .		*		*	* *	*		* :	* .	* *		. *				
		Control of the Contro		FUEL TYPE						NMOG+NOx (g/mi)				CO ((g/mi)		
		NAME OF THE PERSON OF THE PERS		19.0		1.27.	- 11 19	1 -61 F		CI	ERT	STD		CER	T	STD		
HWFET	@ 50K	(* ** ** ** ** ** ** ** ** ** ** ** ** *					*									
HWFE	T @ UL			GAS	OLINE	-TIEF	3 E10		. Ju	0.	014	0.050						
20°F (@ 50K	С	OLD CO	E10	REGUL	AR GA	SOLIN	SOLINE (TIER3)					1.0		12.5			
	200		S	FTP EX	XHAUS	ST EM	ISSION	STANDA	ARDS	AND C	ERTIFIC	ATION LE	VEL	.s	,	- producti		
	Ĺ			12.5		j.	JS06	2			SC03	April 17 1 April 19 1 April 19	2.0	CC	MPOSIT	5440		
	FUEL '	FUEL TYPE		NMOG+NOx (g/mi)		Ox	CO P (g/mi) (mg		M /mi)	100000000000000000000000000000000000000	G+NOx /mi)	CO (g/mi)			x CO (g/mi	PM (mg/mi		
@ 4K	4K *		CERT		CERT *			*				*	*		1			
@ +I.\		ST			*		*				*	*						
		ASOLINE- IER3 E10 BI		RT *			* (. 9	*		*	0.015		0.3	*		
@ UL				SID *			*	-	5		* .	*	0.083		4.2	*		
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						W	IOLE \	/EHICLE	EVAP	ORAT	IVE TEST	ING						
EVAPORATIVE FU		/E 1	FUEL T	L TYPE 3DHS (c		HS (g	g/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi) @		@ UL		
		CERT		S	STD FEL		CE	RT	STD	FEL		CEI	RT	STD				
T.CMXROT263/A			GASOLI TIER3		10 2191 0		400 0.400		0.2	232 0.400		0.40	100 0.0		00 0.05			
C	RVR / I	FUEL	ONLY /	CANIS	STER E	BLEED	EVAP	ORATIVE	EMIS	SSION	STANDA	RDS AND	CE	RTIFICA	TION LEV	/ELS		
												P & CANI						
	ORATIV MILY	/E	ORVR (g/gallon) @ U			UL	FUE	L TYPE		BDHS RIG TEST (g/test) @ UL			2DHS RIG (g/test) @			ED CANISTER T (g/test) @ 4K		
		F	UEL TYI	PE CI	ERT	STD			CE	RT	STD	CERT		STD	CERT	STD		
LGMXR	.012637		ASOLINI IER3 E		.03	0.20	GAS	OLINE-		*	*	*		*	0.004	0.020		



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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)									
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD						
LGMXR012637A	LGMXR012637A-LK1	AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	0.02						

*: 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; HDV: heavy-duty 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; 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 spark-ignited 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; FFH: fuel fired heater; 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; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	
CADILLAC	XT4 AWD	LDT2	2.0	SA9	LGMXR012637A	1	P	
CADILLAC	XT4 FWD	LDT2	2.0	SA9	LGMXR012637A	1 1	P	

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