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A	CALIFORNIA AIR RESOURCES BOARD	
TT	AIR RESOURCES BOARD	

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-19-095;

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 GRO	UP IN	FOR	MATION						
MODE	- I T	EST GROUP		VEHICLE CLASS(ES)				FUEL C	FUEL CATEGORY			FUEL TYPE		
2021	MG	MXT05.3385		LDT3, LDT4					FLEX-FUEL VEHICLE (FFV)			85% ETHANOL, GASOLINE		
USEFUL LIFE (miles) VEHICLE EMISS								E EMISSION CATEGORY						
EXH	I/ORVR	EVAP			FTP		SF	TP	FTP		SFTP			
15	0000	150000		LEV3	ULEV125	LEV	3 C	MPOSITE	*		PM			
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD S	TATUS	Τ	ENGINE DISPLACEMEI			
1		DFI, 2	FWC,	2HO2S (2)				FULL	ALL MODELS					
*			*				P	ARTIAL	*	1		5.3		
*	*							TIAL WITH	* 11					
		E	/APO	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATIO	N				
EVA	P / ORV	R FAMILY	EVA	PORATIVE	STD CATE	GORY			SSION STD E CLASS		SPI	ECIAL FEATURES		
M	IGMXR01	7350D	LE	V 3 OPTI	ON2 WITH I	FEL	LDT3				HCT			
				I	EMISSION CI	REDIT	INFO	ORMATION						
CDEDIT FOD EVTENDED									OPTIONAL EXH. STD OR WORK TRUCKS					
		N			N			N N						
	NMOG AND FLEET AVERAGE INFORMATION													
NMOG RAF	RAI() P(+1)1 (0+3/				0-375	50 LVW) LDT (3751 LVW-8500 MDV			OG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)					
*	*	1.10		*	0	.058		0.065 *						

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.)



## 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).

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 2014 day of May 2020.

Allen Lyons, Chief Emissions Certification and Compliance Division



FUEL TYPE

GENERAL MOTORS LLC. Executive Order: A-006-2260 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

## **ATTACHMENT**

## EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)

CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

					DG+NOx g/mi)			CO /mi)			lOx J/mi)		HCH (mg/			PM (g/mi)			
				CERT	ST	DC	ERT	ST	D	CERT	STD	CER	т	STD	CE	RT	STD		
FTP@5	OK	*		*	*		*	*		*	*	*		*	*		*		
FTP@UL (GASC		E85-E1 ASOLI ER3 E	NE-	0.051			0.2 0.3)	2. (2.)	-	* (*)	* (*)	0 (*)		4 (4)	0.000 (0.001)		0.003 (0.003)		
50°F @		*		*	*		*	*		*	*	*	-	*					
		1								N	MOG+N	Ox (g/mi)	-		CO	(g/mi)			
					FUEL	TYPE					ERT	STD		CER		T	STD		
HWFE	T @ 50	к			*						*	*							
HWFE	T @ U			(GAS	E85- OLINE-		E10)			1000	0.004 0.125 (0.002) (0.125)								
20°F	@ 50K			O E10 0% ETH/							1.2 (1.1)		12.5 (12.5)						
				SFTP E	<b>KHAUST</b>	EMISSI	ION S	TAND	ARDS	AND C	ERTIFIC	ATION LI	EVEL	.s					
					US06						SC03	SC03			COMPOSITE				
	FUEL 1		YPE		NMOG+NOx (g/mi)		CO (g/mi) (		M /mi)	NMOG+NOx (g/mi)		CO NM (g/mi)		MOG+NOx (g/mi)		CO g/mi)	PM (mg/mi)		
@ 4K		*	CERT		*	*	r				*	*							
0			STE		*	*					*	*							
			CER	Т	*	*	r	1	L		*	*		0.019		0.019 0		0.5	*
@ UL		SOLINE- ER3 E10 STD			*		* 6		*		*	0.077		4.2		*			
			BIN											0.120					
		85-EPA STD		Т	*		*		1		*	*	0.035		0.3		*		
@ UL	E85			)	*	*	1	6	5		*	*		0.077		4.2	*		
			BIN											0.120					
		WH	IOLE	VEHICL	EEVAPO	ORATIVI	E EMI	SSION	STAI	NDARD	S AND	CERTIFIC	ATIO	N LEVE	LS				
						WHOL	E VE	HICLE	EVAP	ORATI	VE TES	TING							
EVAPORATIN		VE	UEL	TYPE	3DHS (g/test) @ UL				2DH	2DHS (g/test) @ UL			RL (g/mi) (			⊉ UL			
					CERT	STD		FEL	CE	RT	STD	FEL	_	CEF	RT		STD		
MGMXF	R01735		GASOL FIER3		0.198	0.500	0 0	.500	0.2	200	0.500	0.50	00	0.00			0.05		

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ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS														
					FUEL ONLY EVAP & CANISTER BLEED									
EVAPORATIVE FAMILY	ORVR (g	g/gallon) @	D UL	FUEL 1	TVDE		IG TEST ) @ UL		RIG TEST st) @ UL	BLEED CANISTE TEST (g/test) @ 4				
	FUEL TYP	E CERT	STD	FUEL	ITPE	CERT	STD	CERT		CERT	STD			
MGMXR017350D	GASOLINE TIER3 E1	1 0 02	0.20	GASOLINE- TIER3 E10		*	*	*	*	0.008	0.020			
E	EFFECTIVE	LEAK D	IAMET	ER STA	NDAR	D AND CE	RTIFICAT	TION LE	VEL (INCH	ES)				
EVAPORATIVE	FAMILY	LEA	K FAMIL	Y		CE	RT		STD					
MGMXR0173	50D	MGMXR0	17350D	-LK1		k	r	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: medium- duty 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; HP/LP EGR: High/Low Pressure EGR; 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; FEH: 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; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); CNG/LNG: compressed/liquefied natural gas; LPG: liquefied petroleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; E10: "10%" ethanol ("90%"gasoline) fuel; A: a														
	2021 N	IODEL	YEA	R: VE	HIC	LE MOI	DELS I	NFOR	MATIO	N				
											1			

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
CHEVROLET	SILVERADO 2WD	LDT3	5.3	A6	MGMXR017350D	1	F
CHEVROLET	SILVERADO 4WD	LDT4	5.3	A6	MGMXR017350D	1	F
GMC	SIERRA 2WD	LDT3	5.3	A6	MGMXR017350D	1	F
GMC	SIERRA 4WD	LDT4	5.3	A6	MGMXR017350D	1	F