

GENERAL MOTORS LLC.

Executive Order: A-006-2246-1
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-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 GROUP INFORMATION											
MODE	- I TR	EST GROUP	VEHICLE CLASS(ES)					FUEL CATEGORY			FUEL TYPE	
2021	2021 MGMXT06.2375 LDT4						DEDICATED SINGLE FUEL VEHICLE				GASOLINE	
	USEFUL	. LIFE (miles)		VEH	IICLE EMISS	ION C	ATE	GORY	INTERIM / IN	TERN	MEDIATE IN-USE STD	
EXH	/ORVR	EVAP			FTP		SF	TP	FTP		SFTP	
15	0000	150000)	LEV3	ULEV125	LEV	3 CC	MPOSITE	PM		PM	
SPE	CIAL FE	EATURES & EX	HAUS STEM		ON CONTRO	-		OBD S	TATUS	ENGINE DISPLACEMEN		
1		DFI, 2	TWC,	2HO2S(2)				FULL	*			
*			*				Р	ARTIAL	ALL MODELS	1	6.2	
*			*					TIAL WITH FINES	*			
		E	VAPO	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	/ INFORMATIO	۷.		
EVA	P / ORV	R FAMILY	EVA	PORATIVE	E STD CATE	GORY	,	EVAP EMISSION STD VEHICLE CLASS SPECIAL FEATURES			PECIAL FEATURES	
M	IGMXR01	7350D	LI	EV 3 OPTI	TION2 WITH FEL			LD	T4	HCT		
M	IGMXR02	2450C	LI	EV 3 OPTI	ON2 WITH	FEL	LDT4 HCT			HCT		
				ı	EMISSION CI	REDIT	INFO	ORMATION				
	EDIT FO	X FLEET AVE. OR EXTENDED RRANTY			REDIT FOR N ZERO-EVAP	NIMICE CEEDIT FOR DO			REDIT FOR DO	OPTIONAL EXH. STD FOR WORK TRUCKS		
		N			N				N		N	
				NMOG	AND FLEET	AVE	RAGI	INFORMA	TION			
NMOG RAF	NMOG/NMHC DC1 DT /0-37/			0-375		VW) LDT (3751 LVW-8500 MDV (10,		MOG+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.)



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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).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby cancels and supersedes Executive Order A-006-2246 dated February 7, 2020.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 14th day of October 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division

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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

FUEL TYPE

		NMOG+NOx (g/mi)		x CO (g/mi)		NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)	
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*	*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLINE- TIER3 E10	0.035	0.125	0.5	2.1	*	*	*	4	0.002	0.003
50°F @4K	*	*	*	*	*	*	*	*	*		

	FUEL TYPE	NMOG+N	Ox (g/mi)	CO (g/mi)		
	FOEL TYPE	CERT	STD	CERT	STD	
HWFET @ 50K	*	*	*			
HWFET @ UL	GASOLINE-TIER3 E10	0.001	0.125			
20°F @ 50K	COLD CO E10 REGULAR GASOLINE (TIER3)			1.6	12.5	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

			US06			SC0	3	COMPOSITE		
	FUEL TYPE		NMOG+NOx	СО	PM	NMOG+NOx	СО	NMOG+NOx	co	PM
			(g/mi)	(g/mi)	(mg/mi)	(g/mi)	(g/mi)	(g/mi)	(g/mi)	(mg/mi)
@ 4K	*	CERT	*	*		*	*			
		STD	*	*		*	*			
		CERT	*	*	1	*	*	0.025	0.5	*
@ UL	GASOLINE- TIER3 E10	STD	*	*	6	*	*	0.077	4.2	*
		BIN						0.120		

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

			WHOLE \						
EVAPORATIVE FAMILY	FUEL TYPE	3DH	S (g/test) @	D UL	2DI	HS (g/test) (RL (g/mi) @ UL		
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD
MGMXR017350D	GASOLINE- TIER3 E10	0.198	0.500	0.500	0.200	0.500	0.500	0.00	0.05
MGMXR022450C	GASOLINE- TIER3 E10	0.314	0.500	0.525	0.465	0.500	0.525	0.00	0.05

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ORVR / FUI	ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS											
			FUEL ONLY EVAP & CANISTER BLEED									
EVAPORATIVE FAMILY	ORVR	FUEL TYPE		3DHS R (g/test		2DHS RIG TEST (g/test) @ UL		BLEED CANISTER TEST (g/test) @ 4K				
	FUEL TYP	PE CERT	STD			CERT	STD	CER.	Т	STD	CERT	STD
MGMXR017350D	GASOLINI TIER3 E:	1 0 02	0.20	GASOL TIER3		*	*	*		*	0.008	0.020
MGMXR022450C		GASOLINE- TIER3 E10 0.02 0.20		GASOLINE- TIER3 E10		*	*	*		*	0.012	0.020
	EFFECTIV	E LEAK D	IAMET	ER STA	NDAR	D AND CE	RTIFICA	TION L	EVI	EL (INCH	ES)	
EVAPORATIVE FAMILY LEAK FAMIL			LY CERT					STD				
MGMXR017350D MGMXR017350D			-LK1	-LK1 *				0.02				
MGMXR022450C MGMXR022450C			:-LK1 *					0.02				

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: DT<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: 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; 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; 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: 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

2021 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
CADILLAC	ESCALADE 2WD	LDT4	6.2	A10	MGMXR017350D	1	P
CADILLAC	ESCALADE 2WD	LDT4	6.2	A10	MGMXR022450C	1	P
CADILLAC	ESCALADE 4WD	LDT4	6.2	A10	MGMXR017350D	1	P
CADILLAC	ESCALADE 4WD	LDT4	6.2	A10	MGMXR022450C	1	P
CHEVROLET	SUBURBAN 2WD	LDT4	6.2	A10	MGMXR022450C	1	P
CHEVROLET	SUBURBAN 4WD	LDT4	6.2	A10	MGMXR022450C	1	P
CHEVROLET	TAHOE 2WD	LDT4	6.2	A10	MGMXR017350D	1	P
CHEVROLET	TAHOE 4WD	LDT4	6.2	A10	MGMXR017350D	1	P
GMC	YUKON 2WD	LDT4	6.2	A10	MGMXR017350D	1	P
GMC	YUKON 4WD	LDT4	6.2	A10	MGMXR017350D	1	P
GMC	YUKON XL 2WD	LDT4	6.2	A10	MGMXR022450C	1	P
GMC	YUKON XL 4WD	LDT4	6.2	A10	MGMXR022450C	1	P