

GENERAL MOTORS LLC.

Executive Order: A-006-2256

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

Page 1 of 4

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 II	IFOR	MATION						
MODE	- 1	EST GROUP		VEHIC	VEHICLE CLASS(ES)			FUEL C	FUEL CATEGORY			FUEL TYPE		
2021	. MG	MXT02.5201		LDT3	DED DED			DICATED SINGLE FUEL VEHICLE			GASOLINE			
USEFUL LIFE (miles) VEHICLE EMISSION								ATEGORY INTERIM / INTERMEDIATE IN-US						
EXH	I/ORVR	EVAP		FTP SFT			TP	FTP			SFTP			
15	50000	150000)	LEV3	3 ULEV70 LEV 3 COMP			MPOSITE	SITE *			PM		
SPE	CIAL FE	ATURES & EX	HAU		ON CONTRO	L		OBD S	T	ATUS	E	ENGINE DISPLACEMENT (L)		
1		DFI,	TWC,	, HO2S(2)				FULL	T	ALL MODELS	11			
*				P	ARTIAL	T	*		2.5					
*			ŀ			PAR	TIAL WITH FINES	/ITH *						
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR							EVAP EMISSION STD VEHICLE CLASS			S	SPECIAL FEATURES		
1	MGMXR01	4640A	I	LEV 3 OPT	ON2 WITH	FEL		LDT3				HCT		
				1	EMISSION CI	REDIT	INFO	RMATION						
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-P ZERO-EVAP								PZEV NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
N N									N			N		
	NMOG AND FLEET AVERAGE INFORMATION													
NMOG RAF	RAF RAF NMOG/NMHC RATIO PC+LDT					X FLEET STE 0-3750 LVW) g/mi)		/) LDT	NMOG+NOX FLEET ST LDT (3751 LVW-8500 GVWR) + MDPV (g/mi			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.)



GENERAL MOTORS LLC.

Executive Order: A-006-2256

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

Page 2 of 4

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 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 23 day of April 2020.

Innen

Allen Lyons, Chief

Emissions Certification and Compliance Division



GENERAL MOTORS LLC.

Executive Order: A-006-2256 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICA	ATION LEVELS
EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP HWFFT	50°F 20°F)

	EXHA	NUS.	TANE	EV.	APO	RATIV	E EMI	SSION	STAI	NDAR	DS AN	D CERT	IFIC	ATION	LEV	ELS	ò			
		EXH	AUST	EMIS	SION	STAND	ARDS A	ND CER	RTIFIC	ATION	LEVELS	(FTP, HW	/FET	, 50°F, 20)°F)					
	FUE	EL TY	r a	monox adjust DRVR	kide; N ment fa ! [g HC	Ox: oxi actor; 2 /gallon	des of ni DHS/3D dispens	itrogen; F HS [g H0 ed]: on-b	HCHO: C/test]: oard re	formalo 2/3 day efueling	lehyde; f 's diurna vapor re	rbon; NMH PM: particu I+hot-soak covery; g: dure; SFTF	ulate ; RL gran	matter; R [g HC/mi] n; mg: mil	AF: re]: runr lligran	eactive ing len; mi:	vity oss:			
								NMOG+NOx (g/mi)			CO (g/mi)			NOx (g/mi)		HCF mg/i		PM (g/mi)		
				CER	T	STD	CER	T ST	D	CERT	STD	CER	Т	STD	CE	RT	STD			
FTP@5		*		*		*	*	*		*	*	*		*	*		*			
FTP@l		OLIN R3 E		0.01	.5 (0.070	0.8	1.	7	*	*	*		4	0.001		0.003			
50°F @	4K	*		*		*	*	*		*	*	*		*						
					FII	EL TY	DE.			N	MOG+N	Ox (g/mi)		CO (g/mi)						
							_			CE	RT	STD		CER.	Т		STD			
HWFE	Γ@ 50K				*						*	*								
HWFE	T@UL			GA	SOLIN	NE-TIE	R3 E10			0.	007	0.070								
20°F @ 50K COLD CO E10 REGULAR G					ASOLINE (TIER3)							2.8 12.5			12.5					
			S	FTP	EXHAL	JST EN	MISSION	STAND	ARDS	AND C	ERTIFIC	ATION LE	VEL							
							US06				SC03			COMP		SITE				
	FUEL TYPE			NMOG÷NOx (g/mi)					M g/mi)	NMOG+NOx (g/mi)		CO (g/mi)	NMOG+NO (g/mi)			(mi)	PM (mg/mi)			
@ 4K	@ 4K *		CERT		т *		*				*	*								
		STI		*			*				*	*								
				T *			*		1		*		0.016		2.8		*			
@ UL	GASOLI TIER3			STD		*		6		*		*	0.077		4.2		*			
		BIN												0.080						
		WH	OLE V	EHIC	LE EV							ERTIFICA	ATIO	N LEVEL	S					
EVAPORATIVE EI		UEL T				WHOLE VEHICLE EVAP			2DHS (g/test) @ UL				RL (g/mi) @ UL			UL				
FA	MILY			CERT			STD	FEL	CE			FEL		CERT		ST				
MGMXR014640A GASOLI							.500			43	0.500 0.4									
C	RVR / FU	JEL (ONLY /	CAN	STER	BLEE	EVAP	ORATIVE	EMIS	SIONS	TANDA	RDS AND	CE	RTIFICAT	ION L	EVE	LS			
											JEL ONLY EVAP & CANIST									
	ORATIVE MILY		ORVR	(g/gallon) @ UL			FUE	1			HS RIG TEST g/test) @ UL		2DHS RIG (g/test) @			LEED CANISTER EST (g/test) @ 4				
		FU	EL TY	PE C	CERT	STD			CE	RT STD		CERT	STD		CER	T	STD			
MGMXR	014640A		SOLIN ER3 E	1 (1 0 05 10		1	GASOLINE- TIER3 E10		k	*		*		0.009		0.020			



GENERAL MOTORS LLC.

Executive Order: A-006-2256

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 4 of 4

EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)										
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD							
MGMXR014640A	MGMXR014640A-LK1	*	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; 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%" assoline) fuel; E10; "10%" ethanol ("90%" assoline) 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
CHEVROLET	BLAZER FWD	LDT3	2.5	A9	MGMXR014640A	1	F
GMC	ACADIA FWD	LDT3	2.5	A9	MGMXR014640A	1	F