

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 GRO	UP IN	FORM	MATION					
MODE		EST GROUP	VEHICLE CLASS(ES)				FUEL CATEGORY			FUEL TYPE			
2020	2020 LGMXD06.0398				HDV, MDV5			DEDICATED SINGLE FUEL VEHICLE			GASOLINE		
	USEFUL	LIFE (miles)		VEH	VEHICLE EMISSIÓN CATEGOR				INTERIM / IN	FERM	RMEDIATE IN-USE STD		
EXH/ORVR EVAP			and the second se	FTP SI			FTP FTP			SFTP			
150000 150000			LEV3	LEV3 UL (HOT1435 (LA92), S FTP TEST C		35 UC SC03,	*		*				
SPECIAL FEATURES & EXHAUST EMIS SYSTEMS					ON CONTRO	ROL OBI		OBD S	OBD STATUS		ENGINE DISPLACEMENT (L)		
1		SFI, 2TW	C, 21	HO2S(2),	, TWC			FULL	*				
*			*	*	10.4% 10.2% 10.2%		P	ARTIAL	ALL MODELS	6.0			
*	(6)		*	а ул К	PA			TIAL WITH FINES	*		State Street Street		
		E	VAP	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATION	1			
EVA	AP / ORV	R FAMILY	EV	APORATIVE	E STD CATE	GORY			SSION STD E CLASS	SP	ECIAL FEATURES		
	LGMXF0176860				LEV 2			MDV5			HCT		
				E	EMISSION C	REDIT	INFC	RMATION					
	REDIT FO	X FLEET AVE OR EXTENDED RRANTY		NMOG CREDIT FOR NON-PZEV ZERO-EVAP			NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS			
		N			N				N		N		
				NMOG	AND FLEE	T AVE	RAGE	INFORMA	TION				
NIMOG/NIMHC			CHO/NMHC RATIO	1 DT 73751 LVW-8500 G			STD NMOG+NOX FLEET ST GVW) MDV (8501-10000 GVWF (g/mi)			D NMOG+NOX FLEET STE R) MDV (10,001-14,000 GVWR) (g/mi)			
*	*	1.10		*		*		0.228 0.349					
Soo th	Attack	mont for Vok	violo M	Madala Ev	aporativo Er	mily	Engir	an Displace	mont Emissio	n Cor	trol Systems Phase-		

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 \_\_\_\_\_ day of June 2019.

Allen Lyons, Chief Emissions Compliance, Automotive Regulations and Science Division

Æ	R				R N s b		GE	NERAL		ORS		-		itive Order er Cars, Li Me	ght-Du	ty Tru Duty		
							AT	TAC	HME	ENT								
	EXHAL	JST	AND	EVA	POR	ATIV	E EMISS	SION S	STAN	DAR	DS AN	D CER	ΓIFIC	CATION	LEVE	ELS		
	E	XHA					ARDS AN											
	FUEL	. TYF	m ac 0 10	onoxic ljustm RVR [e	le; NC ent fa a HC/	Dx: oxio ctor; 2 gallon	des of nitro DHS/3DH3 dispensed	non-CH4 organic gas; HC: of nitrogen; HCHO: formalo 6/3DHS [g HC/test]: 2/3 day pensed]: on-board refueling Fahrenheit; FTP: federal te				PM: partio I+hot-soa covery; g	culate ik; RL g: grai	matter; R [g HC/mi] m; mg: mil	AF: re:  : runni  ligram	activi ng lo	ty ss;	
					OG+N g/mi)		x CO (g/mi)			NOx (g/mi)			HCHO (mg/mi)		PM (g/mi)			
	- 10- 101- CD			CERT		STD	CERT	ST	) (	CERT	STD	CE	RT	STD	CEF	RT	STD	
FTP@50	<u>`</u>	*		*		*	* .	*		*	*	*		*	*		*	
FTP@UL	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GASOLINE- LEV3 E10		0.158	8   C	.400	1.7	7.3	3	*	*	, ,		6	0.0	0.005 0.0		
50°F @4I	<	*		*		*	*	*		*	*			*				
					FU	EL TYI	PE			NMOG+NOx (g/mi)							D (g/mi)	
										С	CERT STD		)	CERT		STD		
HWFET @ 50K				*							0.087 0.400							
HWFET				GASOLINE-LEV3 E10						0	. 087	0.40	0.400				-	
20°F @	9 50K					*								*			*	
			S	FTP E	XHAU	JST E	VISSION S	STAND	ARDS		SC0				MPOS			
	FUEL TY	PE		NMOG+NOx			CO PM			NMOG+NOx				NMOG+NOx		CO I		
				(	(g/mi)		(g/mi)	(mg/mi)		(g/mi)		(g/mi)		(g/mi)		/mi)	(mg/mi)	
@ 4K	*	* CE			*	* *				*	****							
				STD * *		*	*		*		*	*						
			CERT		*		*	,	k		*	*		0.147	1	.1	3	
@ UL	GASOLINE- LEV3 E10 STD				ł	*		*		0.550		. 0	7					
		B							inger Engerster Litter				Contraction of the second	*				
		WH	OLE V	EHICL	E EV								CATI		LS		44 <b>-</b> - 44	
EVAPO	RATIVE	-					(HOLE VE		EVAP					R	L (g/m	ni) @	UL	
FAI	MILY	FUEL				STD	/test) @ UL		2DHS (g/test				CEF	2	STD			
LGMXF0176860		ASOLI	NE-			1.00			ERT STD			FEL CE   * 0.				0.05		
			IER3									RDS AND CERTIFICATION LEVELS						
0	KVK/FU		JNLY /	CANIS	SIER	BLEE	DEVAPO	KAIIVE						ER BLEE				
and the second second			ORVR	(g/gall	lon) (	D UL	FUEL	30			DHS RIG TEST (g/test) @ UL		TEST 2DHS RIG TE					
		FU	EL TY	PEC	ERT	STD				ERT STD		CERT		STD	CER		STD	
2	*		*		*	*		*	,	*	*	*		*	*		*	

CALIFORNIA AIR RESOURCES BOARD	GENERAL MOTORS LLC.	Executive Order: A-006-2220 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4
-----------------------------------	------------------------	---

EFFECTIVE	LEAR DIAMETER STAND	ARD AND CERTIFICATION L	
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
+	*	*	*

\*: 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

<b>2020 MODEL</b>	YEAR: VEHICLE	MODELS INFORMATION
-------------------	---------------	--------------------

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
CHEVROLET	G3500 EXPRESS 2WD CUTAWAY CH	MDV5	6.0	A6	LGMXF0176860	1	P
CHEVROLET	G4500 EXPRESS 2WD CUTAWAY CH	HDV	6.0	A6	LGMXF0176860	1	P
GMC	G3500 SAVANA 2WD CUTAWAY CH	MDV5	6.0	A6	LGMXF0176860	1	P
GMC	G4500 SAVANA 2WD CUTAWAY CH	HDV	6.0	A6	LGMXF0176860	1	P