California Environmental Protection Agency Air Resources Board

GENERAL MOTORS LLC. Executive Order: A-006-2023

New Passenger Cars, Light-Duty Trucks and
Medium-Duty Vehicles
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Pursuant to the authority vested in the 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: 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	FORMAT	ION					
MODE					ICLE CLASS(I	LE CLASS(ES)			TEGORY	FU	FUEL TYPE		
2016	6 GGMXT05.3383				LDT3				ELECTRIC	G	GASOLINE		
	USEFUL	LIFE	(miles)	V	EHICLE EMIS	SION C	ATEGOR	Y	INTERIM / IN	FERMEDIA	TE IN-USE STD		
EXH/ORVR EVAP					FTP	SFTP		FTP		SFTP			
150000 150000				LEV	73 ULEV125	LEV	LEV 3 COMPOSITE		*		NMOG+NOX		
SPE	CIAL FE	ATUR		AUST EMIS	SION CONTRO	DL		OBD ST	ATUS	ENGINE	DISPLACEMENT (L)		
1		27	TWC, TWC	, 2HO2S(2)	,DFI	4	FULL		ALL MODELS				
*				*		PART	TIAL *		5.3				
*				*				ARTIAL WITH *			PROJECTION OF THE PROPERTY OF		
			EV	APORATIVE	& REFUELING	G (EVA	P/ORVR)	FAMILY	NFORMATION				
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGO							RY EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
GGMXR0176820 Li					LEV 2	EV 2 LD			т3		*		
					EMISSION C	REDIT	INFORM	ATION					
	Α	LLOW	ANCE FO	R TEST GR	DUP			EDIT FOR		EDIT FOR	OPTIONAL EXH STD FOR WORK		
BASELINE PZEV AT PZEV					TZEV	TZEV NON-PZEV ZERO-E		ZERO-EV	AP DO	OR	TRUCKS		
	*			*	*		1	4	N		N		
				NM	OG AND FLEE	TAVE	RAGE IN	FORMATI	ON				
NMOG RAF	NIMO(E/NIMHC			HCHO/NMHC RATIO NMOG+NOX PC+LDT (0-3 (g/m			3750 LVW) LD		MOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)		NMOG+NOX FLEET STD MDV (10001-14000 GVWR) (g/mi)		
*	*	:	1.10	*		0.093			0.110		*		

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.

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 NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan 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],

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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.

Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

UNLEADED

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ATTACHMENT

	EXHAL	IST AND	EV	APOR	ATIVE	EMIS	SION S	TAN	DARD	S AND	CERTI	FICA	ATION I	EVELS		
	E	XHAUST	EMIS	SION S	TANDA	RDS AN	D CERT	IFICA	TION L	EVELS	(FTP, HW	FET,	50°F, 20°	°F)		
	FUEL	monox adjustr ORVR		xide; No tment fa R [g HC/	Ox: oxide octor; 2D gallon d	es of nitro HS/3DH ispensed	ogen; HC S [g HC/t d]: on-boa	CHO: flest]: 2 ard re	formalde 2/3 days fueling v	ehyde; P diurnal- apor red	M: particu	late n ; RL [gram	natter; RA g HC/mi]: ; mg: milli	C; CO: ca AF: reactive running long gram; mi: FTP	rity oss;	
			NMOG+NOx (g/mi)		CO (g/mi)			NOx (g/mi)		HCF (mg/		1	PM (g/mi)			
			CE	RT	STD	CERT	STD		CERT	STD	CER	T	STD	CERT	STD	
TP@50	@50K *		*		*	*	*	*	* .	*	*		*	*	*	
FTP@U	@UL GASOLINE- LEV3 E10		0.0	68	.125	0.5	2.1		*	*	* *		4	*	0.01	
50°F @4	K	*	*		*	*	*		*	*	*		*		医 斜色层	
				EII	EI TVDI	=			NN	IOG+NO	Ox (g/mi)			CO (g/mi)		
				FUEL TYPE					CE	CERT			CERT		STD	
HWFET	@ 50K		*					*	*		4.00					
HWFE	HWFET @ UL		0	ASOLI	NE-LEV	3 E10			0.0	006	0.125				100 Mg	
20°F	@ 50K	NE-CO	NE-COLD CO LOW OCTANE								1.4		12.5			
			SFTP	EXHAU	JST EMI	SSIONS	STANDA	RDS	AND C	ERTIFIC	ATION LE	VEL	S	_		
				US06					SC03				COMPOSITE			
	FUEL TY	PE .	NMOG+NOx (g/mi)		CO PM (g/mi) (mg/mi			NMOG+NOx (g/mi)				MOG+NOx C (g/mi) (g/		PM (mg/mi)		
@ 4K	*	CERT		*		*	*		*		*					
@ +I.		STD		*		*			,		*					
		CER	T	*		*	*		1		*	* 0.048		0.2	*	
@ UL	GASOLIN LEV3 E	SIL		*		*	*		,		*	* 0.110		4.2	*	
		BIN	A.									0	.120	a invita	大型	
		WHOLE \	/EHI	CLE EV								ATIO	N LEVEL	S		
					WH	HOLE VE	HICLE	EVAP	ORATIV	/E TEST	ING		Di	((1) O		
FAMILY FU		FUEL 1	EL TYPE 3DHS (g			/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi) @		Į UL	
			CEF		RT S	TD	FEL	CE	RT STD		FEL		CER	Г	STD	
GGMXR0176820		TIER	GOLINE - TIER 2 0.75 NLEADED		5 0	.90 *		0.4	18	1.15	*		0.00		0.05	
C	RVR / FU	EL ONLY	/ CAI	NISTER	BLEED	EVAPO	RATIVE	EMIS	SION S	TANDA	RDS AND	CEF	RTIFICAT	ION LEVE	LS	
											P & CAN					
	ORATIVE	ORVR (g/gal		allon) @ UL					OHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) @				ANISTER	
FF	NIVII L. I	FUEL TYPE		CERT	CERT STD				ERT STE		CERT		STD	CERT	STD	
GGMXR0176820		GASOLIN TIER	E -	0.02	0.20	*		,	* *		*		*	*	*	

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*: 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; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; 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; 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

2016 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE	
CHEVROLET	C15 SILVERADO 2WD	LDT3	5.3	A8	GGMXR0176820	1	F	*	
CHEVROLET	K15 SILVERADO 4WD	LDT3	5.3	A8	GGMXR0176820	1	F	*	
GMC	C15 SIERRA 2WD	LDT3	5.3	A8	GGMXR0176820	1	F	*	
GMC	K15 SIERRA 4WD	LDT3	5.3	A8	GGMXR0176820	1	F	*	