

Executive Order: A-006-2137

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-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	FOR	MATION					
MOD		EST GROUP	LE CLASS(E	E CLASS(ES)			ATEGORY		FUEL TYPE				
201	9 K	GMXT01.5095			LDT2			DEDICATED SINGLE FUEL VEHICLE			GASOLINE		
USEFUL LIFE (miles) VEHICLE EMISSION						ION C	CATEGORY INTERIM / INT			TERI	ERMEDIATE IN-USE STD		
EXH/ORVR EVAP					FTP S			TP FTP			SFTP		
1	150000 150000			LEV3	ULEV70 LEV 3 CO			MPOSITE	POSITE NMOG+NOX		*		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						L	OBD STATUS			E	ENGINE DISPLACEMENT (L)		
1	1 DFI, HO2S(2), TC, CAC, TWC							FULL	*	1[			
*	*							ARTIAL ALL MODELS		1.5			
*	*							TIAL WITH FINES	*				
		-	VAP	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATIO	N			
EV	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR						,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
KGMXR009537C LEV 3 OPTION2							LDT2			*			
				E	MISSION C	REDI	INFO	RMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY  NMOG CREDIT FOR NON- ZERO-EVAP							NMOG CREDIT FOR DOP			R	OPTIONAL EXH. STD FOR WORK TRUCKS		
N N									N				
				NMOG	AND FLEET	AVE	RAGI	INFORMA	TION				
NMO0 RAF	CH4 RAF					0-375		V) LDT	MOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)		NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	T	*	0	.072			0.083		*		

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.



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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 seg. [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 5 day of February 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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0.004

0.020

# **ATTACHMENT**

		EXH	AUST E	MISSION	STANE	JAKUS AN	ID CERT	IFICATIO	N LE	VELS (	FIP, HW	FET, 50°F,	20°F	)		
	FUE	L TY	adj OF	noxide; ustment VR [g H	NOx: ox factor; 2 C/gallor	DHS/3DH dispensed	ogen; H( S [g HC/ d]: on-bo	test]: 2/3 (ard refuel)	aldeh days d ing va	yde; Pl diurnal+ por rec	M: particu hot-soak; overy; g:	C: non-CH- late matter RL [g HC/ gram; mg: : suppleme	RAF mi]: n millig	: reactivunning loram; mi:	ity oss;	
				NMOG (g/r		1	CO g/mi)	1	NO:			HCHO mg/mi)		PI (g/r		
			-	ERT	STD	CERT	STE	CEF	TS	STD	CERT	STD		CERT	STD	
FTP@5	OK	*		*	*	*	*	* *		*	*	*			*	
FTP@L		OLIN	1 0	.031	0.070	1.0	1.7	*		*	*			*	0.01	
50°F @	4K	*		*	*	*	*	*		*	*	*				
				F	UEL TY	PE					x (g/mi)			O (g/mi)		
									CERT		STD	CE	CERT		STD	
	@ 50K				*				*	-	*					
HWFET @ UL				GASOLINE-TIER3 E10					0.00	002 0.070						
20°F	20°F@50K COLD CO E10 REGULAR G					GASOLINE	SOLINE (TIER3)			2.		. 8	8 12.5			
			SF	TP EXH	AUST E	MISSION	STANDA	RDS ANI	D CEF	RTIFIC	ATION LE	VELS				
				US06					SC03				COMPOSITE MOG+NOX CO PM			
	FUEL 1	YPE		NMOG (g/r		CO (g/mi)	(mg/		/IOG+ (g/m		CO (g/mi)	NMOG+N (g/mi)	MOG+NOx (g/mi)		PM (mg/mi	
@ 4K	*	* CE		RT *		*	*		*		*					
				*		*					*					
				*	*		*		*		*	0.025	5	3.0	*	
@ UL	GASOLINE- TIER3 E10		ISID   *   *		*		*		*	* 0.090		4.2	*			
		BII										0.080				
		WH	IOLE VE	HICLE E	VAPOR	ATIVE EN	ISSION	STANDA	RDS	AND C	ERTIFICA	ATION LEV	ELS			
				-	1	VHOLE VE	HICLE	EVAPOR	ATIVE	TEST	ING					
EVAPORATIVE FAMILY		F	FUEL TYPE 3DHS (g			(g/test) @	/test) @ UL		2DHS (g/test) (		@ UL		RL (	RL (g/mi) @ UL		
				-	ERT	STD	FEL	CERT	STD		FEL	. С	CERT		STD	
KGMXR0095370			GASOLINE- TIER3 E10 0.201 0.			0.400	400 * 0.		0.400		*	0	0.00		0.05	
(	ORVR / F	UEL	ONLY / C	ANISTE	R BLEE	D EVAPO	RATIVE	EMISSIC	N ST	ANDA	RDS AND	CERTIFIC	ATIC	N LEVE	LS	
								FUEL	ONL	Y EVAI	& CAN	STER BLE	ED			
	ORATIV	E	ORVR (g/gallon) @ UL			FUEL	FUEL TYPE		3DHS RIG TES (g/test) @ UL			RIG TEST st) @ UL			CANISTER g/test) @ 4K	
			ICI TYP	TYPE CERT STD					RT STD		CERT	CTD	TD CERT		STD	

GASOLINE-

TIER3 E10

GASOLINE-

TIER3 E10

0.02

0.20

KGMXR009537C



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EFFECTIV	E LEAK DIAMETER STANDA	RD AND CERTIFICATION L	EVEL (INCHES)		
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD		
KGMKR009537C	KGMKR009537C-LK1	*	0.02		

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GWR,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; GWR: gross vehicle weight rating; LWV: 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

## 2019 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	ECS	OBD
GMC	TERRAIN AWD	LDT2	1.5	A9	KGMXR009537C	1	P