

Executive Order: A-008-0486

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	IFOR	MATION					
MOD YEA		TEST GROUP			VEHICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE			
2019 KBMXV03.0S55						PC				SINGLE FUEI HICLE	•	GASOLINE		
	USEF	UL LI	IFE (miles)		VEH	VEHICLE EMISSION CATEGORY				INTERIM / INTERMEDIATE IN-USE STO				
EXH/ORVR EVAP						FTP SF			FTP FTP			SFTP		
150000 150000					LEV3	ULEV125 LEV 3 COMPOS			OMPOSITE	PM		PM		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							L		OBD S	TATUS	E	ENGINE DISPLACEMENT (L)		
1 2WU-TWC, 2TWC, 2WR-HO2S, 2HO2S, DFI, 2TC, CAC						С,		FULL	*					
* *								Р	ARTIAL	ALL MODELS		3.0		
* *									TIAL WITH FINES	*				
			Е	VAP	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMILY	INFORMATIO	N			
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGO						GORY	,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
KBMXR0130N54					L	EV 2			P	c	*			
					E	EMISSION CI	REDIT	INFO	ORMATION					
	REDIT F	FOR	FLEET AVE EXTENDED ANTY			EDIT FOR N	ON-P	ZEV	NMOG CREDIT FOR DOR OPTIONAL FOR WORK					
	и									И				
					NMOG	AND FLEET	AVE	RAGI	INFORMA	TION				
					CHO/NMHC RATIO									
*	* * 1.10 * 0.07						.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 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).

day of June 2018.

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

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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							AT	TAC	НМІ	ENT							
	EXH	AUS	T AN	D EV	/APOR	ATIVE	EMIS	SION S	TAN	DAR	DS AND	CERTI	FIC	ATION	LEV	ELS	
		EX	HAUS	T EMIS	SSION S	TANDA	RDS AN	D CERT	IFICA	TION	LEVELS (FTP, HW	FET,	50°F, 20	°F)		
			mond adjus ORVI	H4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon onoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity djustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; RVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; H000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP										ty ss;			
				N	NMOG+NOx (g/mi)		CO (g/mi)			NOx (g/mi)		HCH (mg/n		_		PM (g/mi)	
1				CE		STD	CERT	STE		CERT STD		CERT		STD	CE		STD
FTP@5	0K	*		*		*	*	*		*	*	*		*	*		*
FTP@U	11 1	SOLI ER3	1 0 0		069 0	.125	0.9	2.1		*	*	*		4	0.002		0.003
50°F @4		SOLI ER3		0.0	041 0	.250	0.3	2.1		*	*	*		16			
					FU	EL TYP	E				IMOG+NC	, ,	_			g/mi)	
		_								С	ERT	STD		CERT		STD	
HWFE1	T @ 50k	<u> </u>				*					*	*	\dashv				
HWFE	T@UL			G	ASOLIN	E-TIE	:3 E10		0.	0.034 0.12							
20°F	20°F@50K COLD CO E10				E10 REGULAR GASOLINE (TIER3)								1.0	.0 10.0			
				SFTF	EXHAL	JST EM	ISSION S	STANDA	RDS	AND (CERTIFIC	ATION LE	VEL	S			
							_	OSITE									
	FUEL	TYPE	TYPE		NMOG+I				PM (ma/mi)		NMOG+NOx			OG+NO	- 1	CO (mi)	PM (mg/mi)
			CERT		(g/mi) * *		(g/mi)	(mg/mi)		(g/mi)		(g/mi)		(g/mi) (ı/mi)	(mg/mi)
@ 4K	,	ł .					*			*		*					
		ST		-+-			*			*		*					
			CERT		*		*	2			*	* 0.0		0.056	4-	0.6	*
@ UL	GASOI TIERS	R3 E10 ST		D	*		*	6	i		* * 0		.090	.090 4.		*	
	!		BIN										0.120				
		W	HOLE	VEHI	CLE EV	APORA	TIVE EM	ISSION	STAR	NDAR	OS AND C	ERTIFIC	ATIO	N LEVE	LS		
						W	HOLE VE	HICLE	EVAP	ORAT	IVE TEST	ING		_		_1\ _	
	ORATI\ \MILY	/E	FUEL	TYPE	≣ 3	DHS (g	/test) @	UL		2DH	S (g/test)	@ UL		"	L (g/r	ni) @	UL
'''					CEF	RT S	STD	FEL	CE	ŖŢ	STD	FEL		CEF	?T		STD
KBMXR	R0130N	- 1		INE R 2	0.3			0.05									
	DRVP /	FUE				BLEF	EVAPO	RATIVE	EMIS	SION	STANDA	RDS AND	CF	RTIFICA	TION	LEVE	LS
<u> </u>	-11411/	1	- 0142	. , 0,							NLY EVA						
	ORATI	VE ORVR		ORVR (g/gall		/gallon) @ UL		FUEL TYPE		DHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) @		TEST BLEE		ED CANISTER (g/test) @ 4K	
		Ī	-UEL	TYPE	CERT	STD	· —		$\overline{}$	RT STD		CERT	1		CE		STD
KBMXF	R0130N	54	ASOLI TIEF UNLE	2	0.01	0.20	,	*		* *		*		*			*



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EFFECTIVE	LEAK DIAMETER STAND	ARD AND CERTIFICATION	N LEVEL (INCHES)
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: _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; GWWR; gross vehicle weight rating; LVW; loaded vehicle weight; ALWW; adjusted LWW; 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	EXH ECS	OBD
BMW	M2 COMPETITION	PC	3.0	AMS7,M6	KBMXR0130N54	1	P
BMW	M4 CONVERTIBLE	PC	3.0	AMS7,M6	KBMXR0130N54	1	P
BMW	M4 CONVERTIBLE COMPETITION	PC	3.0	AMS7,M6	KBMXR0130N54	1	P
BMW	M4 COUPE	PC	3.0	AMS7,M6	KBMXR0130N54	1	P
BMW	M4 COUPE COMPETITION	PC	3.0	AMS7,M6	KBMXR0130N54	1	P
BMW	M4 CS	PC	3.0	AMS7	KBMXR0130N54	1	P