

BAYERISCHE MOTOREN WERKE AG

Executive Order: A-008-0524

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-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	NFOR	MATION						
MODE	- I	TEST GROUP VEHICLE CLASS(ES)						FUEL CATEGORY			FUEL TYPE			
2021 MBMXT03.0G0X LDT3, LDT4							HYBRID ELECTRIC VEHICLE				GASOLINE			
	USEFUL	LIFE (miles)		VEH	ICLE EMISS	ION C	ATE	GORY	Y INTERIM / INT			ERMEDIATE IN-USE STD		
EXH/ORVR EVAP					FTP SFTP			TP	FTP			SFTP		
15	50000	15000	LEV3	ULEV125 LEV 3 COMPO			MPOSITE	re *			PM			
SPE	SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							OBD STATUS				ENGINE DISPLACEMENT (L)		
1 TWC, WR-HO2S, HO2S, DFI, TC, CAC								FULL	*	71				
*	* *							ARTIAL	ALL MODELS	7		3.0		
* *								TIAL WITH	*			1		
		Е	VAP	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMILY	INFORMATIO	N				
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR								AP EMISSION STD EHICLE CLASS SPECIAL FEATURE			CIAL FEATURES		
1	MBMXR0180G05 LEV 3 OPTIO					FEL		LD	LDT3		*			
				E	EMISSION C	REDIT	INFO	RMATION						
CREDIT FOR EXTENDED					REDIT FOR NON-PZEV ZERO-EVAP			NMOG C	NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
n n							N				N			
NMOG AND FLEET AVERAGE INFORMATION														
NMOG CH4 RAF NMOG/NMHC RATIO					PC+LDT (NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi)			NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)			1		
*	* * 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.)



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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 2004 day of May 2020.

Allen Lyons, Chief

Emissions Certification and Compliance Division



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ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

	EAR					The state of the s						(FTP, HW				VEL	<u> </u>		
	FUE	L TY	m ac O	onoxi djustn RVR	ide; No nent fa [g HC/	Ox: oxid actor; 2[/gallon (les of nit DHS/3DH dispense	rogen; F HS [g HC ed]: on-b	ICHO: C/test]: oard re	formald 2/3 day efueling	ehyde; F s diurnal vapor re	bon; NMH PM: particu +hot-soak; covery; g: ure; SFTP	late RL gran	matter; [g HC/n n; mg: n	RAF: ni]: run nilligra	reacti ining l m; mi	vity oss;		
				N		NMOG+NOx (g/mi)			CO (g/mi)			NOx (g/mi)		HCH (mg/i				PM (g/mi)	
				CER	RT STD		CERT	ST	D	CERT STE		CERT		STD	CE	CERT			
FTP@5	OK	*		*		*	*	*		*	*	*		*		*	*		
FTP@L	11 1	GASOLINE- TIER3 E10			9 0	.125	0.1	2.	1	*	*	*		4	0.001		0.003		
50°F @	GASOLINE- TIER3 E10			0.03	1 0	.250	0.1	2.	1	*	*	*		16					
					EII	EL TVE	E			NI	MOG+N	Ox (g/mi)			CO	(g/mi			
				FUEL TYPE						CE	RT	T STD		CERT			STD		
HWFE	T @ 50K					*				* *									
HWFE	T@UL			GA:	SOLIN	E-TIE	R3 E10		0.007		007	0.125							
20°F	@ 50K	CC	LD CO	E10	REGU	LAR G	ASOLINE (TIER3)							0.2			12.5		
			SI	FTP E	XHAL	JST EM	ISSION	STAND	ARDS	AND C	ERTIFIC	ATION LE	VEL	.S					
				US06							SC03				COMPOSITE				
	FUEL T			NMOG+NOx (g/mi)			CO PI		M /mi)		G+NOx CO g/mi) (g/mi)		NMOG+NOx (g/mi)			CO g/mi)	PM (mg/mi)		
@ 4K	*		CERT	*			*				*	*							
W 41		ST		*			*				*	*							
		ASOLINE- IER3 E10 BIN			*		*	:	1		k	*	0.027			0.3	*		
@ UL					*		*		6		k	*	(0.077 4.2		4.2	*		
										(0.120								
		WH	OLE VE	HICL	E EV	APORA	TIVE EN	MISSION	STAI	NDARD	S AND C	ERTIFICA	TIO	N LEVE	ELS				
						W	HOLE V	EHICLE	EVAP	ORATI	/E TEST	ING							
EVAPORATIV FAMILY				UEL TYPE		DHS (g	/test) @ UL			2DHS (g/test)		@ UL		RL (g		g/mi) @ UL			
				C		RT S	STD	FEL	CE	RT	STD	FEL	FEL CE		RT		STD		
MRMORROISCOSI			ASOLIN	10 1841 0		.500 0.500		0.2	26 0.500 0.50		0.01		01	0.05					
C	RVR / F	UEL (ONLY /	CANI	STER	BLEED	EVAPO	DRATIVI	EMIS	SSION S	TANDA	RDS AND	CEI	RTIFICA	TION	LEVI	ELS		
												P & CANIS							
	ORATIVE MILY		ORVR ('R (g/gallon) @ UL			FUEL TYPE		1	DHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) @		The second secon		EED CANISTER ST (g/test) @ 4K			
		FU		_	ERT	STD			CE	RT STD		CERT	STD		CE	RT	STD		
MBMXR0180G05 GASOLIN TIER3 E				0.05	0.20	1	LINE-		*	*	*		*	0.0	11	0.020			



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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)									
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD						
MBMXR0180G05	MBMXR0180G05-001	0.01	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%" 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

2021 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
BMW	X5 SDRIVE40I	LDT3	3.0	SA8	MBMXR0180G05	1	P
BMW	X5 XDRIVE40I	LDT3	3.0	SA8	MBMXR0180G05	1	P
BMW	X6 SDRIVE40I	LDT3	3.0	SA8	MBMXR0180G05	1	P
BMW	X6 XDRIVE40I	LDT3	3.0	SA8	MBMXR0180G05	1	P
BMW	X7 XDRIVE401	LDT4	3.0	SA8	MBMXR0180G05	1	P