

### BAYERISCHE MOTOREN WERKE AG

Executive Order: A-008-0521-1

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 1 of 4

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: The following vehicles produced by the manufacturer are certified as plug-in hybrid electric vehicles pursuant to Title 13, California Code of Regulations (13 CCR) Sections 1961 or 1961.2, 1962.2, 1976, 1978 and the incorporated test procedures. Production vehicles shall be in all material respects the same as those for which certification is granted.

-														
					TEST GF	ROUPIN	IFO	RMATION						
MODE YEAR		TEST GROUP   VEHICLE CL					CLASS(ES) FUEL CA			CATEGORY		FUEL TYPE		
2021	21 MBMXJ02.0H30 LDT2,					TO PC			LUG-IN HYBRID ECTRIC VEHICLE			GASOLINE		
USEFUL LIFE (miles)					EHICLE EMISSION CATEGOR				П	INTERIM / IN	TER	ERMEDIATE IN-USE STD		
EXH/ORVR EVAP					FTP SFTP			FTP	FTP			SFTP		
15	0000	150000		LEV3	SULEV30	LEV	3 (	COMPOSITE		*	PM			
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						OL		OBD	OBD STATUS			ENGINE DISPLACEMENT (L)		
1	WU-TWC, TWC, WR-HO2S, HO2S, DFI, TC, CAC							FULL	.L *					
*	*							PARTIAL	1	SOME MODELS	1	2.0		
*		* PAF						RTIAL WITH	1	SOME MODELS				
-		EV	APOR	ATIVE &	REFUELIN	G (EVA	P/O	RVR) FAMIL	Y	INFORMATION	١			
- EVA	P / ORV	R FAMILY	EVAP	ORATIV	STD CAT	EGORY		EVAP EMISSION STD VEHICLE CLASS			5	SPECIAL FEATURES		
M	BMXR01	40G3H	LEV	J 3 OPT	ION2 WITH FEL				PC			*		
					EMISSION	CREDIT	INI	ORMATION	1					
GROUP				E. CRED	. CREDIT FOR NON-			REDIT FOR NMOG CREDIT DOR		FOR OPTIONAL EXH. STD				
	ALL MODELS						1	N	N			N		
NMOG AND FLEET AVERAGE INFORMATION														
			O/NMHC ATIO	PC+LDT	NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi)			NMOG+NOX FLEET STE LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)			NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	* 1.10 * 0.058								0.065 *					
On the Attack and Millian II E. C. E. I. E														

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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Page 2 of 4

#### 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).

### BE IT FURTHER RESOLVED:

The listed BMW 330E and 330E Xdrive vehicle models are conditionally certified in accordance with 13 CCR Section 1968.2(k) (deficiency and fines provisions for certification of malfunction and diagnostic system) because the on-board diagnostic II (OBD) system of the vehicles has been determined to have three (3) deficiencies. The listed BMW 330E and 330E Xdrive vehicle models are approved subject to the manufacturer paying a fine of twenty-five dollars (\$25) per vehicle for the third deficiency in the listed test group that is produced and delivered for sale in California.

On a quarterly basis, the manufacturer shall submit to the Air Resources Board reports of the number of vehicles produced and delivered for sale in California and pay the full fine owed for that quarter pursuant to this conditional certification. Payment shall be made payable to the State Treasurer for deposit in the Air Pollution Control Fund no later than thirty (30) days after the end of each calendar quarter during the 2021 model-year production period. Failure to pay the quarterly fine, in full, in the time provided, may be cause for the Executive Officer to rescind this conditional certification, effective from the start of the quarter in question, in which case all vehicles covered under this conditional certification for that quarter and all future quarters would be deemed uncertified and subject to a civil penalty of up to \$37,500 per violation per vehicle pursuant to HSC Section 43154.

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. This Executive Order hereby supersedes Executive Order A-008-0521 dated April 8, 2020.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed on this 2020.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 



GASOLINE-TIER3 E10

0.01

0.20

MBMXR0140G3H

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Executive Order: A-008-0521-1

New Passenger Cars, Light-Duty Trucks and

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Page 3 of 4

# **ATTACHMENT**

EXH	AUS'	TAND	EVA	POF	RATIV	EEMIS	SSION	STAN	NDAR	DS AN	D CEF	RTIFI	CATIO	N LE	VELS	3
	EXH							_						-		
FU	m a C	onoxid djustme RVR [g	e; No ent fa HC	Ox: oxid actor; 20 /gallon (	es of ni DHS/3D dispense	trogen; H HS [g HC ed]: on-bo	ICHO: C/test]: oard re	formal 2/3 da fueling	dehyde; f ys diurna g vapor re	PM: par l+hot-so covery;	iculate ak; Ri g: gra	e matter; L [g HC/n nm; mg: n	RAF: ni]: ru nilligra	reactive nning leam; mi:	vity oss;	
			NMOG+NOx				1000								PM	
		_		J/mi)				_						+		
				+							С			C		STD *
CA		TP -	*	+	*	*	*	-	*	*	+	*	*	* *		*
TI	ER3 E	10	0.022	-	0.030	0.5	1.	0	*	*		*	4	0	.002	0.003
416			0.018	(	0.060	0.3	1.	0	*	*		*	8			
				FII	EI TVD	E			N	IMOG+N	Ox (g/n	ni)		CC	(g/mi)	
			FOEL TYPE					С	ERT	STD		CE	CERT		STD	
@ 50K					*					*	*					Name of the last
T@UL			GAS	OLIN	E-TIE	R3 E10	E10 0.011		0.030							
@ 50K	C	OLD CO	E10 E	REGU	LAR G	ASOLIN	SOLINE (TIER3)			0		6 10.0		10.0		
		S	FTP EX	HAL	JST EM	ISSION	STAND	ARDS	AND (	CERTIFIC	ATION	LEVE	LS			
			US06						SC03	1		С				
FUEL	YPE					CO (g/mi)	1		1		CO (g/mi			1	CO (g/mi)	PM (mg/mi
		CERT		*		*				*	*					
•		STD		*		*				*	*			+		
		CERT		*		*	2	2		*	*		0.016		0.7	*
				*		*	(	6		*			0.077		4.2	*
		BIN					100						0.050			
	WH	OLE V	HICLE	EV	APORA	TIVE	MISSION	STA	NDARE	S AND	CERTIF	CATI	ON LEVE	ELS		
	_		-		WI	HOLE V	EHICLE	EVAP	ORAT	IVE TEST	ING					
	E   F	FUEL TYPE 3DHS			DHS (g	/test) @ UL			2DH	2DHS (g/test) @ UL			RL (g		راmi) @ UL	
				CERT S		DTD	FEL	CE	RT	STD	F	FEL C		ERT		STD
0140G3	HI			0.1	91 0	300	0.300	0.1	.30	0.300	0.	300	0.	00		0.05
RVR / F	UEL	ONLY /	CANIS	TER	BLEED	EVAP	ORATIVE	EMIS	SION	STANDA	RDS A	ND CE	RTIFICA	OITA	LEVE	LS
		0.01:-						_			_			D		
		ORVR	g/gallo				L TYPE				1					
	FL	JEL TYP	E CE	RT	STD			CE	RT	STD			STD			STD
	FUEL TERS  GASOL: TIERS  CRATIVI MILY  0140G3: DRVR / F	FUEL TY  OK *  JL GASOLIN TIER3 E  K GASOLIN TIER3 E  FUEL TYPE  *  GASOLINE- TIER3 E10  WH  ORATIVE MILY  ORATIVE MILY  ORATIVE MILY	FUEL TYPE  OK *  JL GASOLINE- TIER3 E10  AK GASOLINE- TIER3 E10  FUEL TYPE  *  CERT STD  GASOLINE- TIER3 E10  FUEL TYPE  *  CERT STD  GASOLINE- TIER3 E10  BIN  WHOLE VE  ORATIVE	FUEL TYPE  FUEL TYPE  CH4: me monoxid adjustme ORVR [g 1000 milk or mi	FUEL TYPE  FUEL TYPE  CH4: methan monoxide; No adjustment for ORVR [g HC 1000 miles; For Indian monoxide; No adjustment for ORVR [g HC 1000 miles; For Indian monoxide; No adjustment for ORVR [g HC 1000 miles; For Indian monoxide; No adjustment for Indian monoxi	FUEL TYPE  FUEL TYPE  FUEL TYPE  FUEL TYPE  FUEL TYPE  CH4: methane; NMO monoxide; NOx: oxid adjustment factor; 2E ORVR [g HC/gallon of 1000 miles; F: degree of 1000 miles	FUEL TYPE	EXHAUST EMISSION STANDARDS AND CER  CH4: methane; NMOG: non-CH4 org monoxide; NOx: oxides of nitrogen; hadjustment factor; 2DHS/3DHS [g HC ORVR [g HC/gallon dispensed]: on-b-1000 miles; F: degrees Fahrenheit; F  NMOG+NOx	CH4: methane; NMOG: non-CH4 organic gronoxide; NOx: oxides of nitrogen; HCH0: adjustment factor; 2DHS/3DHS [g HC/kest]: ORVR [g HC/gallon dispensed]: on-board re 1000 miles; F: degrees Fahrenheit; FTP: feet 1000 miles; Ft 1000 mi	CH4: methane; NMOG: non-CH4 organic gas; HC monoxide; NOx: oxides of nitrogen; HCH0: formal adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 da adjustment factor; 2DHS/3DHS/3DHS/3DHS/3DHS/3DHS/3DHS/3DHS/3	CHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS   CH4: methane; NMOG: non-CH4 organic gas; HC: hydroca monoxide; NOx: oxides of nitrogen; HCH0: formaldehyde; fadjustment factor; 2DHS/3DHS [g HC/lest]: 2/3 days diurna ORVR [g HC/gallon dispensed]: on-board refueling vapor re 1000 miles; F: degrees Fahrenheit; FTP: federal test proced	CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; Nimonoxide; NOx: oxides of nitrogen; HCHD: formaldehyde; PM: part adjustment factor; ZDHS/3DHS [g HC/Rest]: 2/3 days dimmal-hot-so-ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SF	CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: monoxide; NOx: oxides of nitrogen; HCH0: formaldehyde; PM: particulate adjustment factor; 2DHS/3DHS [g HC/test]; 2/3 days diumal-hot-soak; RI ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gradown in the control of the	EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, CH4: methane: NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 monoxide; NOx: oxides of nitrogen; HCH0: formaldehyde; PM: particulate matter; adjustment factor; 2DHS/3DHS (g HC/test); 27d days diurnal+hot-soak; RL (g HC/tr ORVR (g HC/gallon dispensed): on-board refueling vapor recovery; g: gram; mg; normal (g/mi) (g/mi) (mg/mi) (mg/mi) (g/mi) (mg/mi) (mg/m	EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)  CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 Hc; non-oxide; NOx: oxides of nitrogen; HCH0: formaldehyde; PM: particulate matter; RAF-adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g Hc/mi]; ru ORVR [g Hc/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: miligration adjustment factor; 2DHS/3DHS [g Hc/test]: 2/3 days diurnal+hot-soak; RL [g Hc/mi]; ru ORVR [g Hc/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: miligration adjustment factor; 2DHS/3DHS [g Hc/test]: 2/3 days diurnal+hot-soak; RL [g Hc/mi]; ru ORVR [g/mi]: 1000 milles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental F  NMOG+NOX [CO	NMOG+NOX



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Executive Order: A-008-0521-1
New Passenger Cars, Light-Duty Trucks and
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Page 4 of 4

EFFECTI\	/E LEAK DIAMETER STA	NDARD AND CERTIFICATION L	EVEL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
MBMXR0140G3H	MBMXR0140G3H-001	0.00	0.02

: 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; 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

MODEL NUMBER	MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
1	BMW	330E	PC	2.0	SA8	MBMXR0140G3H	1	\$
2	BMW	330E XDRIVE	PC	2.0	SA8	MBMXR0140G3H	1	\$
3	BMW	530E	PC	2.0	SA8	MBMXR0140G3H	1	P
4	BMW	530E XDRIVE	PC	2.0	SA8	MBMXR0140G3H	1	P
5	BMW	X3 XDRIVE30E	LDT2	2.0	SA8	MBMXR0140G3H	1	P

# **ELECTRIC RANGE AND ZEV ALLOWANCE INFORMATION**

MODEL			11000 5450		HIGHWA			
MODEL NUMBER	PHEV TYPE	UDDS AER (MILES)	UDDS EAER (MILES)	(MILES)	AER	EAER	ZEV ALLOWANCE	
3	TZEV	24.28	25.46	*	27.03	27.21	0.55	
1	TZEV	26.69	29.25	*	30.82	30.95	0.59	
2	TZEV	26.69	29.25	*	30.82	30.95	0.59	
4	TZEV	24.28	25.46	*	27.03	27.21	0.55	
5	TZEV	22.81	23.00	*	24.12	24.30	0.53	