

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: 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 GR	OUP INF	ORMATION				
MODE	- I T	EST GROUP	VEHIC	HICLE CLASS(ES)			CATEGORY	FUEL TYPE		
2020	20 LBMXJ02.0H30 PC				1-90		-IN HYBRID RIC VEHICLE	GASOLINE		
USEFUL LIFE (miles) VEHICLE EN					E EMISSION CATEGORY			ERMEDIATE IN-USE STD		
EXH	/ORVR	EVAP		FTP		SFTP FTP		SFTP		
150000 150000			LEV3	SULEV30	LEV 3	COMPOSITE	t t	PM		
SPE	CIAL FE	ATURES & EXH	AUST EMISSIC	ON CONTRO		OBD	STATUS	ENGINE DISPLACEMENT (L)		
1 WU-TWC, TWC, WR-HO2S, HO2S, DFI, TC, CAC						FULL	*			
*	*					PARTIAL	*	2.0		
*	1		*			PARTIAL WIT	H ALL MODELS			
		EV	APORATIVE &	REFUELIN	G (EVAP	ORVR) FAMI	LY INFORMATION	181		
EVA	P / ORV	R FAMILY	EVAPORATIVE	STD CATE	GORY		MISSION STD	SPECIAL FEATURES		
L	BMXR01	40G3H	LEV 3 OPTI	ON2 WITH	FEL	dunu piv	PC	1.1.12 1.1*		
			and the second second	EMISSION C	REDIT I	NFORMATIO	N	Same a constant a		
ALL		E FOR TEST	NMOG+NOX AVE. CRED	IT FOR	NON-P	CREDIT FOR	NMOG CREDIT F	OR OPTIONAL EXH. STD		
TZEV			EXTENDED W	ARRANTY	a ka ay	EVAP	- 6.55	· · · · · · · · · · · · · · · · · · ·		
ALL MODELS N					N	N	N			
			NMOG	AND FLEE	T AVER	AGE INFORM	ATION			
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	HCHO/NMHC RATIO	PC+LDT	(0-3750 LVW)		G+NOX FLEET ST T (3751 LVW-8500 WR) + MDPV (g/mi)	D NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	*		0.065		0.074	*		

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.)



### 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).

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#### BE IT FURTHER RESOLVED:

The listed 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 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 California 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 2020 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.

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

day of June 2019. Executed at El Monte, California on this

And Alexandre

Allen Lyons, Chief Emissions Compliance, Automotive Regulations and Science Division

s e la Attaciende de la Modela, Evoquinative Fehicle e la sa Quanta e entre michen Curra 4, starra i traca La Scondarda, OBD de autoriae Brasiliae Chandarda and Querlie deca Ekjane, ana Achimetriane, elle applicable La avertar verticies regul amorta en Model Starra (SML) amplitable to MD, publication 12 CLA Societa de Characteria. La avertaria de ADA Starra (SML) amplitable to MD, publication de Characteria de Characteria.



FUEL TYPE

## ATTACHMENT

### EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

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; CO: carbon monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: reactivity adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: running loss; ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; mi: mile; K: 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP

	FUI		FE														
					IOG+N (g/mi)			CO (g/mi)			NOx g/mi)		HCH mg/r			P (g/	M mi)
11				CER	T, 1	STD	CER	т   ст	D	CERT	STD	CER	Т	STD	CE	RT	STD
FTP@5	0K	*		*		*	*	*		*	*	*		*	*		*
FTP@l		SOLIN ER3 E		0.01	5 0	.030	0.5	1.	0	*	*	*		4	0.0	02	0.003
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1153	月 明白い	12			FUI	EL TYP	F				IMOG+NC	Dx (g/mi)			CO (	g/mi)	
Sec. 10	1 2 0						-			C	ERT	STD		CER	RL		STD
HWFE	T @ 50K	_	+			*					*	*		115	10 2	100	1.200
HWFE	T @ UL			GA	SOLIN	E-TIEF	3 E10	)		0.	010	0.030	2				
20°F @ 50K COLD CO E10			E10	REGU	LAR GA	SOLIN	IE (TIEF	R3)		素を含い		12	0.3	1		10.0	
			S	TPE	XHAL			STAND	ARDS	AND C		ATION LE	EVEL				
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	FUEL 1	YPE			lOG+N (g/mi)		CO (g/mi)		M /mi)		G+NOx J/mi)	CO (g/mi)		OG+NO (g/mi)		CO /mi)	PM (mg/mi)
@ 4K	*	1	CERT	i	*		*	1		84	*				~ *	1	
<b>.</b>	e ų		STD	1	*		* *	100			*	*		19 928		P H	gio sinte di
	5 K.		CERT		*		*		2		*	*	(	0.012	0	. 8	*
@ UL	GASOL: TIER3		STD	D *			*		5 *		*	*	0.083		4	. 2	*
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						W	IOLE \	/EHICLE	EVAP	ORAT	IVE TEST	ING					
		RATIVE FUEL TYPE		3	3DHS (g/test) @ UL				2DHS (g/test) @ UL					RL (g/mi) @ UL		UL	
					CER	T S	TD	FEL	CE	RT	STD	FEL	-	CE	RT		STD
LBMXF	R0140G3		ASOLIN MIER3 H		0.26	54 0.	300	0.300	0.2	252	0.300	0.30	00	0.0	01		0.05
(	DRVR / F	UEL (	ONLY /	CANI	STER	BLEED	EVAP	ORATIV	EEMIS	SSION	STANDA	RDS AND	CE	RTIFICA	TION	LEV	ELS
									F	UEL O	NLY EVA	P & CANI			D		
		E	ORVR	g/gal	llon) @	UL	FUE	L TYPE		OHS RIG TEST g/test) @ UL		2DHS RIG (g/test) @					ANISTER est) @ 4K
		_	JEL TYP		ERT	STD			CE	RT	STD	CERT		STD	CER	хт	STD
LBMXF	R0140G3		SOLINE		0.02	0.20		*		*	*	*		*	*		*

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MATT	AIR RESOURCES	BOARD

EFFECTIV	E LEAK DIAMETER STA	NDARD AND CERTIFICATION LEV	/EL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
LBMXR0140G3H	LBMXR0140G3H-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: 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: NMOG + NOX Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

	2020	MODEL YEA	AR: VE	HICLE M	ODELS INF	ORMATION		
MODEL NUMBER	MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
- 1	BMW	530E	PC	2.0	SA8	LBMXR0140G3H	1	\$
2	BMW	530E XDRIVE	PC	2.0	SA8	LBMXR0140G3H	1	Ŝ

# ELECTRIC RANGE AND ZEV ALLOWANCE INFORMATION

MODEL		UDDS AER	UDDS EAER	US06 AER	HIGHW	AY (MILES)	ZEV
NUMBER	PHEV TYPE	(MILES)	(MILES)	(MILES)	AER	EAER	ALLOWANCE
1	TZEV	25.47	26.37	1921 .	27.54	28.11	0.56
2	TZEV	25.47	26.37	*	27.54	28.11	0.56

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No Bandra Territ 14	4.(2008)[1]]	.此面(henk	Sec. Bit	131.3		1444
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