

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 GR	OUP I	NFC	RMATI	ON							
MODEI YEAR								FUEL CATEGORY					FUEL TYPE			
2020	020 LBMXV01.518P PC							PLUG-IN HYBRID ELECTRIC VEHICLE				GASOLINE				
USEFUL LIFE (miles) VEHICLE EMISSION								CATEGORY INTERIM / INT					TERMEDIATE IN-USE STD			
EXH	/ORVR	EVAP	FTP			SFTP	FTP					SFTP				
15	0000	150000		LEV3	ULEV125	LEV	73	COMPOS	SITE	の「大学の記録	PM	PM				
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS OBD STATUS									ATUS	ENGINE DISPLACEM						
1	1 TWC, WR-HO2S, HO2S, DFI, TC, CAC							FULL		*		a property		-		
*	*						たに対象	PART	IAL *			ALCONT OF		1.5		
*			*				P	ARTIAL FINE			ALL MODELS					
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION																
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR								EVAP EMISSION STD VEHICLE CLASS					SPECIAL FEATURES			
LBMXR009018P LEV 2						7 2 PC				2	*					
EMISSION CREDIT INFORMATION																
ALL	FLEET NMOG CR IT FOR NON-PZE ARRANTY EV				ZERO-		the second s		OPTIONAL EXH. STD FOR WORK TRUCKS							
TZEV N							N N				N	N				
NMOG AND FLEET AVERAGE INFORMATION																
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	a ser reciperation and	D/NMHC ATIO	PC+LDT	IOG+NOX FLEET S C+LDT (0-3750 LVW (g/mi)			LDT	: (:	+NOX FLEET STD (3751 LVW-8500 R) + MDPV (g/mi)			AOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10		*		0.06	5				0.074			*		
See the	o Attack	ment for Vehic	No Mo	dole Ev	anorative F	amily	Er	naine D	ienlac	or	ment Emission	n	Con	trol Systems Phase-		

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 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).

#### **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 four (4) deficiencies. The listed vehicle models are approved subject to the manufacturer paying a fine of one hundred dollars (\$100) per vehicle for the third and fourth deficiencies 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.

#### **BE IT FURTHER RESOLVED:**

The listed vehicle models equipped with LEV2 evaporative families are certified conditionally on the manufacturer providing evaporative emissions data with E10 certification gasoline as required by Part III.F.2 of the California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles (Amended: September 2, 2015). This data must be submitted within 90 days from the date of this Conditional Executive Order and must indicate equivalency with E0 certification gasoline data as described in the manufacturer's request for Conditional Executive Order dated August 26, 2019.

Failure to provide the above data within the stipulated time, or failure of the data to be approved by the California Air Resources Board may be cause for the Executive Officer to rescind this conditional certification, in which case all vehicles covered under this conditional certification 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.

Executed at El Monte, California on this 2914 day of October 2019.

Allen Lyons, Chief Emissions Certification and Compliance Division



FUEL TYPE

ATTACHMENT
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## 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

			Γ	N	MOG+N (g/mi)	Ox	(	CO g/mi)			NOx g/mi)		HCH mg/n		(	PM g/mi)	
			F	CEF	RT	STD	CERT	ST	D	CERT	STD	CER	Т	STD	CERT	STD	
FTP@5	ок	*		*		*	*	*		*	*	*	*		*	*	
FTP@L		SOLI ER3	0.00000	0.0	30 0	.125	1.2	2.	1	*	*	*		4 0.002		0.00	
50°F @4		SOLI ER3		0.0	51 0	.250	1.3	2.	1	*	*	*	*				
		2.211 St.			FUI		F				MOG+NC				CO (g/r		
				FUEL TYPE						CERT STI			CERT		T	STD	
HWFE	T @ 50k	<				*					*	*					
HWFE	T @ UL		>	G	ASOLIN	E-TIEF	3 E10			0.014		0.125	0.125				
20°F	@ 50K	C	COLD C	0 E1	0 REGU	LAR GA	SOLIN	E (TIEF	R3)		in stationer Markelseinster		和信息が必 Fairfiller	1.4	1	10.0	
			1000000000	SFTP	EXHAL			STAND	ARDS	AND	CERTIFIC		EVEL				
							US06			SC03						POSITE	
	FUEL	TYPE		N	MOG+N (g/mi)		CO (g/mi)		M J/mi)		)G+NOx g/mi)	CO (g/mi)		OG+NO: (g/mi)		CO PM (g/mi) (mg/n	
@ 4K		ł	CER	т	*		*		*								
@ 4N			STD	,	*		*				*	*					
			CER	т	*		*		5		*	*	(	0.031 1.	1 *		
@ UL	GASOI TIER		SIL	)	*		*		6		*	*	0.083 4.2			2 *	
			BIN								$\frac{2}{2} = \frac{1}{2} \left( \frac{1}{2} + 1$			0.120			
		W	HOLE	VEHIC	CLE EV	APORA	TIVE E	MISSION	N STA	NDARI	DS AND C	CERTIFIC	ATIO	N LEVE	LS		
						WI	HOLE V	'EHICLE	EVAF	PORAT	IVE TEST	TING					
EVAPORATIVE FAMILY		VE	FUEL	L TYPE 3DHS (g			ı/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi)		@ UL	
					CEF	RT S	STD	FEL	CE	RT	STD	FE	L	CERT		STD	
LBMXI	R00901	GASOLINE -		*		0.01 0.		0.05									
(	ORVR /	FUEL	ONLY	/ CAI	VISTER	BLEED	EVAP	ORATIV	EEMI	SSION	STANDA		D CE	RTIFICA	TION LE	VELS	
							Ι				NLY EVA						
	ORATI	VE	ORVF	र (g/g	allon) @	DUL			HS RIG TEST g/test) @ UL		2DHS RIG (g/test) @		TEST BLEE		D CANISTER (g/test) @ 4K		
		F	UEL T	YPE	CERT	STD			CI	ERT	STD	CERT		STD	CERT	STE	
LBMXI	R0090I	8P	ASOLIN TIER UNLEAL	2	0.02	0.20		*		*	*	*		*	*	*	

<i>f</i> A	EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)											
	EFFECTIV	E LEAK DIAMETE	R STAN	DARD AND	CERTIFICATIO	N LEVEL (INCHES)						
EVAPOR	RATIVE FAMILY		Y a b	C	CERT	ST	STD					
	*	*			*	*	*					
LDT<6000; 8500#ALV duty passe emission lin ULEV: ultra ADSTWC: SCRC/SCF continuous heated/oxy RDQS: red EGRC: EG fuel injectic full/partial/p prefix 2: pa device (ex. ethanol ("1 -automatic automated EAER: equ	#GVWR,3751-5750 W; MDV: medium-on nger vehicle; HDV: mit; GVWR: gross va a LEV; SULEV: sup adsorbing TWC; H R-N or SCRC-NH3: /periodic trap oxidi: gen sensor; WR-H luctant quality sens R cooler; AIR/AIRE on; DFI/IFI: direct/in partial with fines on arallel; (2) suffix: se DPF-SCRC: SCR 5%"gasoline) fuel; transmission; CV: manual transmissi ivalent AER; PHEV credits, S = credit	D#LVW; LDT3: LDT 6 duty vehicle; MDV4: M heavy-duty vehicle; MDV4: M heavy-duty vehicle; MDV4: M vehicle weight rating; per ULEV; ZEV: zero- AC: HC adsorbing ca selective catalytic red zer; DPF: diesel partic O2S or AFS: wide rar scor; NH3S: ammonia s E: secondary air inject idirect fuel injection; T -board diagnostic; DC ries; a hyphen (-) betw coated DPF); CNG/L E10: "10%" ethanol (" continuously variable on; AMS: automated /: plug-in hybrid elect s for some/select mod	001-8500; ADV 8501- ECS: emis LVW: load emission vi- talyst; WL duction-ur culate filte nge/linear/ sensor; EC tion (belt cu CC/SC: tur DR: direct ween after NG: comp '90%"gasc transmiss manual-se ric vehicle dels	#GVWR,3751- -10000#GVWF ssion control sy ded vehicle we vehicle; TZEV: J: warm-up cat ea/ammonia; I r (active); GPF /heated air-fue GR: exhaust ga driven)/(electric bo/super charg ozone reducin t reatment EC pressed/liquefie bline) fuel; A: a sion; SCV: sele electable trans s; NMOG + NO	5750#ALVW; LD R; MDV5: MDV 10 vstem; CERT: cer ight; ALVW: adju transitional ZEV; alyst; NAC: NOx NH3OC: ammoni- PM filter for space as recirculation; PAIR: p ger; CAC: charge g; HCT: hydrocar S indicates multiple d natural gas; LF utomatic (with low extable continuou mission; OT: other x Fleet Ave. Creater and the state state state state state state the state sta	LDT<6000#GVWR,0-3 T4: LDT 6001-8500#G 0001-14000#GVWR; M tification; STD: standar sted LVW; LEV: low en TWC/OC: 3-way/oxidi; adsorption catalyst; SC a oxidation catalyst; CT urk-ignited engine; HO2 0XS: NOx sensor; PMS IP/LP EGR: High/Low F ulsed AIR; SFI/MFI: se air cooler; FFH: fuel fir bon trap; BCAN: bleed ole functionalities of the PG: liquefied petroleum ckup); M: manual trans sly variable transmissio er transmission; AER: a dit for Extended Warrar	VWR,57 DPV: m d; FEL: nission v zing cata CR-U or OX/PTC S/O2S: : PM se Pressure quential red heat carbon after trr gas; E8 mission on; AM: ull-electr	51- edium- family /ehicle; alyst; DX: nsor; e EGR; /multiport er; F/P/\$: canister; eatment 35: "85%" SA: semi ic range;				
	2020 MODEL YEAR: VEHICLE MODELS INFORMATION											
MODEL NUMBER	MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD				
1	BMW	I8 COUPE	PC	1.5	SA6	LBMXR009018P	1	\$				
2	BMW	18 ROADSTER	PC	1.5	SA6	LBMXR009018P	1	\$				

# ELECTRIC RANGE AND ZEV ALLOWANCE INFORMATION

		UDDS AER	UDDS EAER	US06 AER	HIGHWA	ZEV	
NUMBER	PHEV TYPE	(MILES)	(MILES)	(MILES)	AER	EAER	ALLOWANCE
1	*	24.32	25.49	*	25.49	26.02	0.00
2	*	24.32	25.49	*	25.49	26.02	0.00