		Executive Order: A-008-0411
California Environmental Protection Agency	BAYERISCHE	New Passenger Cars, Light-Duty Trucks and
Air Resources Board	MOTOREN WERKE AG	Medium-Duty Vehicles
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Pursuant to the authority vested in the 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 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						
MOD YEA		TEST G	ROUP		VEHICLE CLASS(ES)					FUEL C	ATE	GORY	FUEL TYPE			
201	2016 GBMXV01.518P				PC PLUG-IN HY					GA	GASOLINE					
	USEF	UL LIFE	(miles)			/EHIC	LE EMISS		CATE	GORY	IN	ITERIM / INT	FERM	ERMEDIATE IN-USE STD		
EX	H/ORV	R	EVAP			FT	ſP		SI	TP		FTP		T	SFTP	
1	.20000		15000	)	I	LEV2	ULEV	I		2 SFTP *				*		
SP	ECIAL	FEATUR				SSION	CONTRO	L		OBD S	ΤΑΤΙ	US	EN	GINE	DISPLACEMENT (L)	
1		TWC, W	R-HO2S	, но2	S, DFI	с <b>, т</b> с	C, CAC			FULL		*	] [			
*			-	*						PARTIAL		*	1		1.5	
*	* *								PAI	RTIAL WITH FINES	AL	L MODELS	LS			
			E	VAPO	RATIVE	E & R	EFUELING	(EVA	AP/OI	RVR) FAMILY	/ INF	ORMATION				
EV	AP / OF	RVR FAN	MILY	EVA	PORAT	TIVE \$	STD CATE	GOR	Y	EVAP EMI			SP	ECIA	L FEATURES	
	GBMXR	0090181	?			LEV	EV 2 PC				*					
						EN	AISSION CR	REDI	T INF	ORMATION						
		ALLOW	ANCE F	OR TE	ST GR	OUP			NMOG CREDITFOR   NMOG CREDITFOR			OPTIONAL EXH. STD FOR WORK				
BAS	BASELINE PZEV AT PZE				/		TZEV		JN-P	ZEV ZERO-E	VAP		OR		TRUCKS	
	* *						*			N		1	N		N	
					NN	IOG /	ND FLEET	AVE	RAG	E INFORMA	TION	1				
NMO	NMOG RAF CH4 RAF FTP NM			DG/NMI TIO	имнс нсно/ммно		IHC RATIO		TIO PC+LDT (0		OX FLEET STD (0-3750 LVW) (g/mi)		NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)			
	*	*		1.	04			*			0.0	93			0.110	

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 NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan 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 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 listed vehicle models has been determined to have three deficiencies. The listed vehicle models are approved subject to the manufacturer paying a fine of \$25 per vehicle for the third deficiency vehicles in the listed test group that are 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 2016 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 \$5000 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 \_\_\_\_\_6\_ day of November 2015.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency

**O** Air Resources Board

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

			NMOG (g/mi)		CO (g/mi)			NOx (g/mi)		HO /mi)		PM (g/mi)		
			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD		
FTP@50K	TI	DLINE - IER 2 LEADED	0.007	0.040	0.8	1.7	0.01	0.05	*	8	*	*		
FTP@UL	TJ	DLINE - IER 2 LEADED	0.008	0.055	0.8	2.1	0.01	0.07	*	11	*	0.01		
50°F @4K	TJ	DLINE - IER 2 LEADED	0.012	0.080	0.8	1.7	0.01	0.05	*	16				
					F			NOx (g/mi)			CO (g/mi)			
$ \begin{array}{l} & = - i & = - i \\ & = - i & = - i \\ & = - i & = - i \\ & = $				FUEL TYP	E		CE	CERT		CERT		STD		
HWFET @ 50K		(	GASOLINE - TIER 2 UNLEADED					0.00						
HWFET @ UL		(	GASOLINE	- TIER :	0.	00	0.09			a sana sa ana ta para				
20°F @	50K	GI	ASOLINE-C	COLD CO I	HIGH OCT.	ANE				1.4	1	10.0		

### SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

					US06			SC0	3	CON	POSITE	
	FUEL TYP	ΡE		NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)		HC+NOx g/mi)	CO (g/mi)	NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)
	GASOLIN	1E	CERT	0.02	1.0		1	0.02	0.6			
@ 4K	UNLEADED		STD	0.14	8.0			0.20	2.7			
			CERT	*	*	*		*	*	*	*	*
@ UL	- *		STD	*	*	*		*	*	*	*	*
÷			BIN				- Septie			*	( spinkle	
		WH	OLE VE	HICLE EVAPO	RATIVE EN	ISSION ST	NDAR	DS AND	CERTIFIC	ATION LEVEL	S	
					WHOLE VE	HICLE EVA	PORA	TIVE TES	TING			
EVAPORATIVE FAMILY				PE 3DH	S (g/test) @	UL	2DHS (g/test) @ UL			RL (g/mi) @ UL		
				CERT	STD	FEL C	ERT	STD	FEL	_ CER1	г	STD
GBMXR009018P			ASOLINI TIER :	2 0.21	0.50	* 0	.16	0.65	*	0.01	. (	0.05

California Envi			÷ ,		BAYERISCHE MOTOREN WERKE AG			Executive Order: A-008-0411 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4				
ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS FUEL ONLY EVAP & CANISTER BLEED												
EVAPORATIVE FAMILY	ORVR (g/g	gallon) @	DUL	FUEL TYPE	3DHS R	IG TEST	2DHS R	IG TEST	BLEED C	ANISTER est) @ 4K		
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD		
GBMXR009018P	GASOLINE - TIER 2 UNLEADED	0.03	0.20	*	*	*	*	*	*	*		
8500#ALVW; MDV duty passenger vel emission limit; GV ULEV: ultra LEV; S TZEV: transitional catalyst; NAC: NO: NH3OC: ammonia filter for spark-ignit NOXS: NOx sensoo EGRC: EGR coole GGRC: EGR coole fuel injection; DFI/I fines on-board diag suffix: series; CNG E10: "10%" ethano continuously variat automated manual	hicle; HDV: he WR: gross veh SULEV: super ZEV; TWC/OC x adsorption ca oxidation cata ed engine; HC or; PMS: PM se r; AIR/AIRE: s FI: direct/indire gnostic; DOR: /LNG: compre I ("90%"gasoli ole transmissio	avy-duty nicle weig ULEV; Z C: 3-way/ atalyst; S alyst; CT( 02S/02S ensor; R[ econdary ect fuel in direct oz ssed/liqu ne) fuel; on; SCV:	vehicle; ht rating EV: zerc oxidizing CR-U of OX/PTO2 heated/ OQS: rec y air inje- njection; one redu uefied na A: auton selectab	ECS: emission of ; LVW: loaded ve pemission vehicle g catalyst; ADSTV r SCRC/SCR-N of X: continuous/per (oxygen sensor; V ductant quality se ction (belt driven) TC/SC: turbo/sup ucing; HCT: hydro tural gas; LPG: li natic (with lockup ve continuously version	control syste ehicle weigh e; PZEV: pa NC: adsorb or SCRC-NH riodic trap of WR-HO2S ( MR-HO2S ( MR-HO2S ( ensor; NH3S )/(electric dr per charger ocarbon trap iquefied pet o); M: manu variable tran	em; CERT: ht; ALVW: a artial ZEV; i ing TWC; I d3: selectiv oxidizer; DF or AFS: wio 5: ammonia riven); PAIF c; CAC: cha p; BCAN: b troleum gas ual transmis	certificatio adjusted LV AT PZEV: a HAC: HC ac ve catalytic PF: diesel p de range/lin a sensor; Ev R: pulsed A arge air coo pleed carbo s; E85: "85° ssion; SA: s	n; STD: sta W; LEV: lo advanced te dsorbing ca reduction-u articulate fi ear/heated GR: exhaus IR; SFI/MF ler; F/P/\$: f n canister; %" ethanol semi-autom	indard; FEL w emission echnology F italyst; WU: irea/ammor lter (active) air-fuel rati st gas recirc l: sequentia ull/partial/p prefix 2: pa ("15%"gasc atic transm	.: family vehicle; PZEV; warm-up nia; ; GPF: PM o sensor; culation; al/multiport artial with rallel; (2) bline) fuel; ission; CV		
	2016 M	ODEL	YEA	R: VEHICI		DELS I	NFORM		N			

# 2016 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
BMW	18	PC	1.5	SA6	GBMXR009018P	1	\$	*