California Environmental Protection Agency

⊘ Air Resources Board

BAYERISCHE MOTOREN WERKE AG Executive Order: A-008-0465

New Passenger Cars, Light-Duty Trucks and 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 GROU	JP IN	FORMAT	ION					
MODE		EST G	ROUP	IICLE CLASS(ES	LE CLASS(ES)			FUEL CATEGORY			FUEL TYPE		
2018	JE	BMXV02	PC	PC DED			DICATED SINGLE FUEL VEHICLE			DIESEL			
	USEFU	LIFE	(miles)	T v	EHICLE EMISSI	ON C	ATEGOR	Y	IN	TERIM / INT	ERMEDIA	TE IN-USE STD	
EXH/ORVR EVAP					FTP		SFTP		FTP		SFTP		
120000 *			*	L	EV2 ULEV	72 ULEV LEV 2 SF STANDAR			*		*		
SPE	CIAL FI	EATUR		HAUST EMIS	SION CONTROL			OBD ST	ΓΑΤ	JS	ENGINE	DISPLACEMENT (L)	
1 D	DFI, TC, CAC, EGR, EGRC, SCRC, DPF, NOXS(2), HO2S(2), NAC, PMS							LL	ALL MODELS				
*		*						PARTIAL *		2.0			
*				*				RTIAL WITH *					
			EV	APORATIVE	& REFUELING	(EVA	P/ORVR)	FAMILY	INF	ORMATION			
EVA	P / ORV	R FAI	NILY	IVE STD CATEG	STD CATEGORY		EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
*					*	*			*			*	
					EMISSION CR	EDIT	INFORM	ATION					
ALLOWANCE FOR TEST GROUP							NMOG CREDIT FOR			NMOG CRI		OPTIONAL EXH STD FOR WORK	
BASELINE PZEV AT PZEV					TZEV	TZEV NON-PZEV ZERO-E			EVAP DOR		R	TRUCKS	
* *					*	* N			N			N	
				NM	OG AND FLEET	AVE	RAGE IN	FORMAT	TION				
NMOG RAF	CH4 RAF	CH4 NMOC/NMHC HCHO/NMHC DO			PC+LDT (0	NMOG+NOX FLEET S PC+LDT (0-3750 LV (g/mi)				LVW-8500	MDV	NOX FLEET STE (10,001-14,000 /WR) (g/mi)	
*	*		*	*	* 0.079			0.092			*		

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).

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.

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

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ATTACHMENT

						A	TTAC	HM	ENT						,		
	EXH										CERTI						
	FU	FUEL TYPE		H4: met nonoxide djustme PRVR [g	thane; No e; Nox: o nt factor; HC/gallo	MOG: non xides of n 2DHS/3D on dispens	-CH4 org itrogen; H OHS [g HC sed]: on-b	anic ga ICHO: /test]: oard re	as; HC: I formalde 2/3 days	nydrocar ehyde; P s diurnal- vapor rec	bon; NMH M: particu +hot-soak covery; g: ure; SFTP	IC: non-0 ilate mat ; RL [g H gram; m	ter; RA C/mi]: g: milli	C; CO: ca AF: reactive running longram; mi:	rity oss;		
				NMHC (g/mi)			CO (g/mi)		NOx (g/mi)		4	HCHO mg/mi)		PM (g/mi)			
				CERT STE		CER	T ST	D	CERT	STD	CER	T S	D	CERT	STD		
FTP@5	OK DIE	SEL-E	PA	0.008	0.04	0 0.1	1.	7	0.01	0.05	*	1	8	*	*		
FTP@L	JL DIE	SEL-E	PA	0.015	0.05	5 0.2	2 2.	1	0.01	0.07	*	1	1	0.00	0.01		
50°F @	4K	*		*	*	*	*		*	*	*	,					
				FUEL TYPE				NOx (g/i		g/mi)		CO (g/mi)					
	11-5		- FOEL TIP				_		CE	RT	STD		CERT		STD		
HWFET @ 50K				DIESEL-EPA					0.	.00 0.07							
HWFET @ UL				DIESEL-EPA					0.	0.00							
20°F @ 50K				*											*		
			S	FTP EX	HAUST	EMISSIO	STAND	ARDS	AND C	ERTIFIC	ATION L	EVELS			-		
				US06						SC03				COMPOSITE			
	FUEL '	TYPE		NMHC+NOx (g/mi)		CO (g/mi)			NMHC+NOx (g/mi)		CO (g/mi)	NMHC- (g/n		CO (g/mi)	PM (mg/mi		
0.414		CE		0	.01	0.0			0.	01	0.0			W.			
@ 4K	DIESEL-EPA		STD	0	.14	8.0			0.	20	2.7				11:		
		CE			*	*		*			w	0.018		*	*		
@ UL	DIESEI	DIESEL-EPA ST			*	*		*		+	*	0.097		*	*		
				J			-				17	0.1	80				
		WH	OLE V	EHICLE	EVAPO	RATIVE	MISSION	STA	NDARD	S AND C	ERTIFIC	ATION L	EVEL	S			
WH					WHOLE	HOLE VEHICLE EVAP			PORATIVE TESTING								
EVAPORATIVE FAMILY		FUEL TY		YPE	3DHS	(g/test)	/test) @ UL		2DHS (g/test)		@ UL		RL (g/mi) @ UI		UL		
					CERT S		D FEL		RT STD		FEI		CERT		STD		
			* *		*	* *		* *		*		*		*			
(DRVR / F	UEL (ONLY /	CANIS	TER BLE	ED EVA	PORATIV				RDS AND				ELS		
EVAPORATIVE FAMILY		'E	ORVR (g/gallon) @ UL				30			UEL ONLY EVAP OHS RIG TEST		RIG TES	TEST BLEED CANISTER				
		Eli	EL TV	DE CE	DT 01		FUEL TYPE		(g/test) @ UL ERT STD		(g/te	st) @ UL		EST (g/test) @ 4F			
		FU		TYPE CERT STD		-			*	*	*	STD *		*	*		

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tnot 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: PZEV: partial ZEV; AT PZEV: advanced technology PZEV: 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: semiautomatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission

2018 MODEL YEAR: VEHICLE MODELS INFORMATION											
MAKE	MODEL	VEH CLASS ENGINE (L)		TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE			
BMW	328D	PC	2.0	SA8	*	1	F	*			
BMW	328D XDRIVE	PC	2.0	SA8	*	1	F	*			
BMW	328D XDRIVE SPORTS WAGON	PC	2.0	SA8	*	1	F	*			