

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: That 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 GRC	OUP IN	IFOR	MATION					
MODE YEA		TES	T GROUP		VEHICLE CLASS(ES)				FUEL CATEGORY			FUEL TYPE		
202:	1 M	1FMX	D06.771D			MDV5				SINGLE FUEL HICLE		DIESEL		
	USEFL	JL LI	FE (miles)		VEH	VEHICLE EMISSION CATEGOR				INTERIM / IN	FERM	ERMEDIATE IN-USE STD		
EXH/ORVR EVAP				)		FTP		SF	TP FTP			SFTP		
150000 *				LEV3	LEV3 (HOT14 (LA92), FTP TEST			35 UC SC03,	*		*			
SPECIAL FEATURES & EXHAUST EMISSION CONTRO SYSTEMS						L		OBD S	TATUS	ENGINE DISPLACEMENT (L)				
1 7	C,DFI	, CAG	C,EGR,EGR	c,oc,	DPF, SCRC	, NOXS (2), R	DQS		FULL	*				
*				*				Р	ARTIAL	* 6.7		6.7		
*				*					TIAL WITH FINES	ALL MODELS				
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVA	AP / OR	VR F	AMILY	EVA	PORATIVE	E STD CATE	GORY	,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
		*			*				*			*		
					I	EMISSION CI	REDIT		RMATION					
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY									REDIT FOR DOF	OPTIONAL EXH. STD FOR WORK TRUCKS			
		N				N				N		N		
					NMOG	AND FLEE		RAGE	INFORMA	ΓΙΟΝ				
NMOG RAF					VW-85				IOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)					
*	*		*		*		*		0.203			0.298		
See th	See the Attachment for Vehicle Models, Evanorative Family, Engine Displacement, Emission Control 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 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 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 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.

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

Executed on this 26th day of October 2020.

Allen Lyons, Chief Emissions Certification and Compliance Division



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

			NMHC+NOx (g/mi)		CO (g/mi)			NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)	
			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CER	tΤ.	STD
FTP@50K		*	*	*	*	*	*	*	*	*	*		*
FTP@UL	DIESEL-EPA		0.191	0.270	0.2	4.2	*	*	*	6	0.00	03	0.010
50°F @4K	*		*	*	*	*	*	*	*	*			
				NN	NMHC+NOx (g/mi)			CO (g/mi)					
				FUEL TYPE					STD	CER	Т		STD
HWFET @	) 50K	*						*					
HWFET @ UL			Ľ	DIESEL-EI	?A	0.1	.81	0.270					
20°F @ 50K				*					*			*	

### SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

				US06		SC0	3	COMPOSITE						
	FUEL TYPE		NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMHC+NOx (g/mi)	CO (g/mi)	NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)				
@ 4K	*	CERT	*	*		*	*							
•		STD	*	*		*	*							
		CERT	*	*	*	*	*	0.237	0.0	3				
@ UL	DIESEL-EPA	STD	*	*	*	*	*	0.550	6.0	7				
		BIN						*						

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS												
			WI	HOLE V								
EVAPORATIVE FAMILY	FUEL TYPE	= 3	DHS (g	/test) @	) UL	2DI	@ UL		RL (g/mi) @ UL			
		CEF	रा इ	STD	FEL	CERT	STD	FEL	CE	RT	STD	
* *				*	*	*	*	*		k	*	
ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS										VELS		
			FUEL ONLY EVAP & CANISTER BLEED									
EVAPORATIVE FAMILY	ORVR (g/g	gallon) @	ÐUL	FUEL TYPE			3DHS RIG TEST (g/test) @ UL		IG TEST ) @ UL	BLEED CANISTE TEST (g/test) @ 4		
	FUEL TYPE	CERT	STD			CERT	STD	CERT	STD	CERT	STD	
*	*		*	*	*	*	*	*	*			
	EFFECTIVE	LEAK D	IAMET	ER ST	ANDAR	D AND CE	RTIFICAT	ION LEV	'EL (INCH	IES)		
EVAPORATIVE	FAMILY	K FAMI	LY	Y CERT					STD			

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: 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; JLEV: 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

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
FORD	F250 2WD DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F250 4WD DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F350 2WD BED DELETE DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F350 2WD DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F350 4WD BED DELETE DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F350 4WD DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F450 2WD DIESEL	MDV5	6.7	SA10	*	1	\$
FORD	F450 4WD DIESEL	MDV5	6.7	SA10	*	1	\$