

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	UP IN	FOR	MATION						
MODE YEAF		TEST GROUP VEHICLE CLASS(ES)						FUEL CATEGORY				FUEL TYPE		
2022	2 NFMXT02.02MI LDT2							FLEX-FUEL VEHICLE (FFV)			85% ETHANOL, GASOLINE			
USEFUL LIFE (miles) VEHICLE EN							ATE	GORY	RIM / IN	TERMEDIATE IN-USE STD				
EXH	I/ORVR	EVAP		FTP SF				P FTP				SFTP		
15	0000	150000		LEV3	ULEV70	ULEV70 LEV 3 COMPOSIT			E *			РМ		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						L		OBD S	D STATUS		E	ENGINE DISPLACEMENT		
1	TWC(2), WR-HO2S, HO2S, EGR, DFI							FULL	*	11				
*	*							PARTIAL *			2.0			
*			*		PARTIAL WITH FINES ALL MODELS									
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVA	P / ORV	R FAMILY	EVA	PORATIVE	E STD CATE	GORY	,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
N	IFMXR01	.30NDF	LE	V 3 OPTI	ON2 WITH	FEL		LDT2				HCT		
				I	EMISSION CI	REDIT	INFC	ORMATION						
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY						ZEV				OPTIONAL EXH. STD FOR WORK TRUCKS			
		N			N			N N						
NMOG AND FLEET AVERAGE INFORMATION														
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO (GASOLINE)	F	IO/NMHC RATIO SOLINE)	NMOG+NO PC+LDT ( (g									
*	*	1.10		* 0.051						56		*		

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 2022 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 \$40,725 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 *st* day of April 2021.

Allen **L**yons, 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

					G+NOx /mi)		CO (g/m				Ox /mi)		HCH (mg/r			PM (g/mi)	
			Г	CERT	STC	) CE	RT	STD		CERT	STD	CER	т	STD	CER	г	STD
FTP@5	ок	*		*	*	ł.	ł	*		*	*	*		*	*		*
FTP@L	JL (GZ	85-EP SOLIN	VE -	0.064 (0.034)	0.07	-	_	1.7 (1.7)		* (*)	* (*)	0.5 (1)		4 (4)	* (*)		0.003 (0.003)
50°F @4	4K	*		*	*	,	ŧ	*		*	*	*		*			
										NI	MOG+N	Ox (g/mi)			CO (g/	mi)	
					FUEL 1	YPE				CE	RT	STD		CERT		5	STD
HWFE	T @ 50K				*					* *		*					
HWFE	T @ UL			E85-EPA (GASOLINE-TIER3 E10)							0.050 0.070 (0.021) (0.070)						
20°F @ 50K				CO E10 REGULAR GA (70% ETHANOL 30% GASOLINE)			EPA UNLEADED						0.96 (1.9)		12.5 (12.5)		
			5	SFTP EX	HAUST	EMISSIC	DN ST/	ANDAF	RDS	AND C	ERTIFIC	ATION LI	EVEL	.s			
							US06			SC03		1		COMP		<b>'OSITE</b>	
	FUEL TYPE						CO PM				G+NOx	СО		OG+NOx	CC	-	РМ
				(9	/mi)	(g/m	<u>י</u>	(mg/n	nı)	(g/	mi)	(g/mi)		(g/mi)	(g/n	nı)	(mg/mi)
@ 4K	*			-	*	*					*	*					
			STD		*	*					*	*					
		CER GASOLINE- STI STIER3 E10		r	*	*		*			*	*	0.035		.035 3.6		*
@ UL					*	*		6			*	*	(	0.070	4.	2	*
			BIN											0.110			
		E85-EPA ST			*	*		*			*	*	0.0671				*
@ UL	E85-				*	*		6			*	*		0.070		2	*
			BIN									0.110					
		WH	OLE \	/EHICLE	EVAPC	RATIVE	EMIS	SION S	STAN	IDARD	S AND (	CERTIFIC	ΑΤΙΟ	N LEVEL	S		
EVAPORATIV FAMILY					WHOLE VEHICLE EVAP 3DHS (g/test) @ UL				VAP		DRATIVE TESTING 2DHS (g/test) @ UL			 RL (g/mi) @ UL			UL
				F	CERT		STD FEL		CEF	RT STD		FEI	_	CERT		STD	
NFMXR0130N		1 71	ASOLI IER3		0.183	0.400	0.4	400	0.1	43	0.400	0.40	00	0.00	0 0.05		.05

ARA	I	FORD MOTOR COMPANY			Executive Order: A-010-2319 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/gallon) @ UL			SubscriptSubscriptFUEL TYPE(g/test) @							BLEED CANISTER TEST (g/test) @ 4K				
	FUEL TYPE	CERT	STD			CERT	STD	CERI	STD	CERT	STD				
NFMXR0130NDF	E10-EPA	0.03	0.20	GASOLINE- TIER3 E10		*	*	*	*	0.009	0.020				
E	FFECTIVE	LEAK D	IAMETE	R STA	NDAR	D AND C	ERTIFICA	TION LI	EVEL (INCH	IES)					
EVAPORATIVE						Y CERT				STD					
NFMXR0130	NDF	NFMXR0	130NDF-	-001 *					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#LVW; LDT4: LDT 6001-8500#GVWR,5751-8500#ALVW; MDV: medium-duty vehicle; MDV4: MDV 8501-10000#GVWR; MDV5: MDV 10001-14000#GVWR; MDPV: medium-duty 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: neated/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 (betl driven)/(electric driven); PAIR: pulsed AIR; SFI/MFI: sequential/multiport fuel injection; DFI/FI: direct/indirect fuel injection; TC/SC: turbo/super charger; CAC: charge air cooler; FFH: fuel fired heater; F/P/S: full/partial/partial with fines on-board diagnostic; DOR: direct ozone reducing; HCT: hydrocarbon trap; BCAN: bleed carbon canister; prefx 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: auto															
											1				

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
FORD	TRANSIT CONNECT VAN FFV	LDT2	2.0	SA8	NFMXR0130NDF	1	\$
FORD	TRANSIT CONNECT WAGON LWB FFV	LDT2	2.0	SA8	NFMXR0130NDF	1	\$