A)	CALIFORNIA
1 th	AIR RESOURCES BOARD
1 m	CALIFORNIA AIR RESOURCES BOARD

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-14-012;

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.

			8	TEST GR	OUP IN	FOR	NATION	-					
MODE	- I - T	EST GROUP	VEHIC	LE CLASS(I	ES)	FUEL CATEGORY				FUEL TYPE			
2020	) LF	MXT02.01B2	ा संबद्धाः स्वतः इत्युक्त कार्यन्तः	LDT1	i ed Haqis			SINGLE FUEL HICLE		GASOLINE			
5.7	USEFUL	LIFE (miles)	VEH	ICLE EMIS	SION C	ATEC	ORY	INTERIM / IN	ERI	MEDIATE IN-USE STD			
EXH	I/ORVR	EVAP		FTP	s i gan Nasiya	SF	ГР	FTP		SFTP			
15	50000	150000	) LEV3	ULEV70	LEV	3 CO	MPOSITE		44 I	a a la telefetetetetetetetetetetetetetetetetete			
SPE	CIAL FE		HAUST EMISSI	ON CONTRO	DL		OBD S	TATUS	THE E	NGINE DISPLACEMENT (L)			
1		TWC, WR-	HO2S, HO2S, I	OFI		an seith	FULL	*	in distant				
* "			*	ŝ		P	ARTIAL	ALL MODELS	A STREET	2.0			
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		E	VAPORATIVE &	REFUELING	G (EVA	P/OR	VR) FAMILY	INFORMATION		na (haybarlar 1947) (an analasi an an analasi da ang katalasi ang katalasi katalasi katalasi katalasi katalasi			
EVA	P / ORV	R FAMILY	EVAPORATIV	E STD CATE	GORY			SSION STD E CLASS	s	PECIAL FEATURES			
I	LFMXR00	90GDE	LEV 3 OPTI	ION2 WITH	FEL		LD	T1		HCT			
				EMISSION C	REDIT	INFC	RMATION						
	EDIT FC	X FLEET AVE. OR EXTENDED RRANTY	NMOG CH	REDIT FOR N ZERO-EVAF		ZEV	NMOG C	REDIT FOR DOP	2	OPTIONAL EXH. STD FOR WORK TRUCKS			
. 1		N		N				N		N			
			NMOG	AND FLEE	TAVE	RAGE	INFORMA	TION					
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	HCHO/NMHC RATIO	NMOG+NO PC+LDT (			/) LDT	+NOX FLEET ST (3751 LVW-8500 R) + MDPV (g/mi		MOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	*	1.10	*		0.065		-	0.074		*			

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.)

# CALIFORNIA AIR RESOURCES BOARD

#### FORD MOTOR COMPANY

#### Executive Order: A-010-2188-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 2 of 4

#### **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).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby cancels and supersedes Executive Order A-010-2188 dated June 27th, 2019.

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

Executed at El Monte, California on this  $\frac{1}{77}$  day of July 2019.

Allen Lyons, Chief

Emissions Compliance, Automotive Regulations and Science Division

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FUEL TYPE

FORD MOTOR COMPANY Executive Order: A-010-2188-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

## 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

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					lOG+N (g/mi)			CO (g/mi)			NOx g/mi)		HCH mg/n			Pl (g/r	
				CER	Γ.	STD	CER	T STI	D	CERT	STD	CER	T	STD	CE	RT	STD
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					FU		E series A Sel			С	ERT	STD	1913	CEF	SL.		STD
HWFE	T @ 50K					*					* .	*					
HWFE	T @ UL		2410	GAS	SOLIN	E-TIEF	R3 E10	<b>)</b> (* 7.5 * 7		0.	. 027	0.070	1	1. 1. 1. 1.			
20°F	@ 50K	CC	DLD CO	E10	REGU	LAR GA	SOLIN	NE (TIEF	3)					1.	7		10.0
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@ 4K	*		CERT		*		*				*	*					
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@ UL	GASOLI TIER3		1 STD 1 * 1			* *		e		*	*		0.083		.2	*	
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	ALIFORNI RESOURCES BOA	A	ORD MOTOR COMPANY	New	Executive Order: / Passenger Cars, Ligh Med	t-Duty Tr ium-Duty	ucks an
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EVAPORATIVE FA	MILY LEAK F	AMILY		CERT	S	TD	
LFMXR0090GD	E LFMXR009	0GDE-001			0.	02	and the second second
DSTWC: adsorbing CRC/SCR-N or SCF ontinuous/periodic tr eated/oxygen senso DQS: reductant qua econdary air injection rect/indirect fuel inje- mes on-board diagno uffix: series; CNG/LN 10: "10%" ethanol ("	EV: super ULEV; ZEV TWC; HAC: HC adsort RC-NH3: selective catal ap oxidizer; DPF: diese r; WR-HO2S or AFS: w lity sensor; NH3S: amr n (belt driven)/(electric ection; TC/SC: turbo/su ostic; DOR: direct ozono NG: compressed/liquefi 90%"gasoline) fuel; A: transmission; SCV: sel	bing catalyst; WL lytic reduction-ur el particulate filte vide range/linear, monia sensor; EC driven); PAIR: pi per charger; CAG e reducing; HCT ied natural gas; I automatic (with I lectable continue	J: warm-up cat rea/ammonia; I r (active); GPF /heated air-fue GR: exhaust ga ulsed AIR; SFI C: charge air c : hydrocarbon _PG: liquefied lockup); M: ma pusly variable t	alyst; NAC: NOx NH3OC: ammonia PM filter for spa I ratio sensor; NC as recirculation; E /MFI: sequential/ ooler; FFH: fuel f trap; BCAN: blee petroleum gas; E nual transmission; AM	adsorption catalyst; S a oxidation catalyst; C ark-ignited engine; HO DXS: NOx sensor; PM GRC: EGR cooler; Al multiport fuel injection; ired heater; F/P/\$: full/ d carbon canister; pre 85: "85%" ethanol ("15 n; SA: semi-automatic ; automated manual tr	CR-U or TOX/PT( 2S/O2S: S: PM se R/AIRE: DFI/IFI: partial/pa fix 2: par 5%"gasol transmissi	DX: nsor; artial wit allel; (2) ine) fue sion; C <sup>v</sup> on; AMS
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