

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 GRO		FOR	MATION						
MODE		EST GROUP		VEHIC	LE CLASS(E	S)	- 1	FUEL C	ATEGORY		FUEL TYPE			
2020	LF	MXT03.54JM			LDT4		5 D		SINGLE FUEL HICLE		GASOLINE			
l	USEFUL	LIFE (miles)		VE	ICLE EMISS	ION C	ATE	GORY	INTERIM / IN	TER	MEDIATE IN-USE STD			
EXH	I/ORVR	EVAP		2.14	FTP		SF	ТР	FTP		SFTP			
15	0000	150000)	LEV3	ULEV70	LEV	3 CC	OMPOSITE	PM		PM			
SPE	CIAL FE	EATURES & EX			ON CONTRO			OBD S	TATUS	ENGINE DISPLACEM (L)				
1	2TWC,	DFI, SFI, 2	WR-H	02S, 2HO2	2S, 2TC, C	AC		FULL	ALL MODELS	B and the second s				
*			*				P	ARTIAL	*	3.5				
*			*					TIAL WITH	*					
		E	VAPO	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL		1				
EVA	P / ORV	R FAMILY	EV	PORATIVE	E STD CATE	GORY			SSION STD E CLASS	ş	SPECIAL FEATURES			
L	FMXR02	60NDG	L	LEV 3 OPTION2 WITH FEL				LDT4			HCT			
L	FMXR02	00GDG	L	LEV 3 OPTION2 WITH FEL				LDT4			HCT			
					EMISSION CI	REDIT	INFO	ORMATION						
	EDIT FC	G+NOX FLEET AVE. DIT FOR EXTENDED WARRANTY		NMOG CREDIT FOR NON ZERO-EVAP			G CREDIT FOR NON-PZEV ZERO-EVAP NMOG CREDIT FOR DOP			R OPTIONAL EXH. STE FOR WORK TRUCKS				
		N		N					N		N			
				NMOG	AND FLEET	AVE	RAGE	INFORMA	ΓΙΟΝ					
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	2 C C C C C C C C C C C C C C C C C C C	HO/NMHC RATIO	NMOG+NO PC+LDT (((g			V) LDT	+NOX FLEET ST (3751 LVW-8500 R) + MDPV (g/mi	-	NMOG+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.)



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.

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

Executed at El Monte, California on this 24774 day of September 2019.

Allen Lyons, Chief Emissions Certification and Compliance Division



\$60 B

FUEL TYPE

FORD MOTOR COMPANY Executive Order: A-010-2206 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

			NMOG+NC (g/mi)					NOx (g/mi)		HCHO (mg/mi)		M mi)
i presidente de la competencia de la co			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K		*	*	*	*	*	*	*	*	*	*	*
FTP@UL		SOLINE- R3 E10	0.055	0.070	1.23	1.7	*	*	*	4	0.0028	0.003
50°F @4K		*	*	*	*	*	*	*	*	*		at states
	() Alight				c		N	IOG+N	Ox (g/mi)		CO (g/mi	
ing the	的影			FUEL TYP			CE	RT	STD	CER	т	STD
HWFET @ 50K				*			*		*			
HWFET @	DUL		GASOI	LINE-TIEF	R3 E10		0.0	344	0.070	i kana sajah Kana sajah		
20°F @	50K	COLD (CO E10 RE	EGULAR GA	ASOLINE	(TIER3)		法自任	wite addition of	0.8	1	12.5

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

				US06		SC03	3	COMPOSITE		
ALC: N	FUEL TYPE	。 新聞時 「開始時 「開始時 「開始時	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMOG+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)
@ 4K	*	CERT	*	*		*	*	1997 X 7 1998 3 - 1928 (1984)	1. 他们的中心。 公司这个问题	
Ŭ		STD	*	*	teko sieraalise:	*	*	法、大学的生活情况	新潮的利用	一大切的中
	a set a	CERT	*	*	4.5		*	0.0478	1.01	*
@ UL	GASOLINE- TIER3 E10	STD	*.	*	6	nda x araña	* .	0.083	4.2	*
		BIN						0.070		

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

			WHOLE		Se				
EVAPORATIVE FAMILY	FUEL TYPE	3DH	S (g/test) (DUL	2DI	HS (g/test) (RL (g/mi) @ UL		
	an that a	CERT	STD	FEL	CERT	STD	FEL	CERT	STD
LFMXR0200GDG	GASOLINE- TIER3 E10	0.2989	0.500	0.500	*	0.500	0.500	0.000	0.05
LFMXR0260NDG	GASOLINE- TIER3 E10	0.2537	0.500	0.500	0.2084	0.500	0.500	0.000	0.05

A	CALIF		VIA Oard		MOTOR PANY	Ν		ger Cars,	der: A-010-2 Light-Duty T Medium-Dut Pa	rucks and
ORVR / FU	EL ONLY / CA	NISTER	BLEED	EVAPORATIVE						ELS
EVAPORATIVE FAMILY	ORVR (g/	gallon) (DUL	FUEL TYPE	3DHS R	IG TEST	P & CANIS 2DHS RI (g/test)	G TEST	ED BLEED CANISTE TEST (g/test) @ 4	
	FUEL TYPE	IEL TYPE CERT STD			CERT	STD	CERT	STD	CERT	STD
LFMXR0200GDG	GASOLINE- TIER3 E10	0.028	0.20	GASOLINE- TIER3 E10	*	*	*	*	0.0100	0.020
LFMXR0260NDG	GASOLINE- TIER3 E10	0.01	0.20	GASOLINE- TIER3 E10	*		12. <mark>*1</mark> ** ★ + <u>1</u> *(2)	*	0.0048	0.020
	EFFECTIVE	LEAK D	IAMET	ER STANDAR	D AND CE	RTIFICA	TION LEV	EL (INCI	HES)	
EVAPORATIVE	FAMILY	LEA	K FAMIL	Y	CE	RT	-51		STD	
LFMXR0200	GDG	LFMXR0200GDG-001			*				0.02	
LFMXR0260NDG LFMXR0			260NDP	-001	and the second	para des conserva de la conserva de				
DT<6000#GVWF 3500#ALVW; MDV duty passenger ve emission limit; GV JLEV: ultra LEV; S ADSTWC: adsorbi SCRC/SCR-N or S continuous/periodi teated/oxygen sel RDQS: reductant of EGRC: EGR coole uel injection; DFI/ ull/partial/partial w prefix 2: parallel; (device (ex. DPF-S ethanol ("15%"gas automatic transm automated manua EAER: equivalent	/: medium-dut, hicle; HDV: he WR: gross veh SULEV: super ing TWC; HAC SCRC-NH3: se c trap oxidizer hsor; WR-HO2 quality sensor; er; AIR/AIRE: s IFI: direct/indir ith fines on-bc 2) suffix: series CRC: SCR co oline) fuel; E1 ission; CV: cor	y vehicle avy-duty nicle weig ULEV; Z : HC ads elective c ; DPF: di S or AFS NH3S: a secondar ect fuel in pard diag s; a hyph ated DPF 0: "10%" ntinuously	MDV4: vehicle; ht rating EV: zero orbing c atalytic re esel part S: wide ra mmonia y air injection; nostic; D en (-) be c); CNG/ ethanol y variable utomated	MDV 8501-1000 ECS: emission ; LVW: loaded vo -emission vehicl atalyst; WU: war eduction-urea/an ticulate filter (acti ange/linear/heate sensor; EGR: ex- ction (belt driven TC/SC: turbo/su OR: direct ozone tween after treat LNG: compresse ("90%"gasoline) e transmission; S manual-selecta	0#GVWR; I control syst ehicle weigh e; TZEV: tra m-up cataly nmonia; NH ve); GPF: F ed air-fuel ra chaust gas)/(electric di per charger e reducing; ment ECS i cd/liquefied fuel; A: auto SCV: selecta ble transmi	MDV5: MD em; CERT: ht; ALVW: a ansitional Z rst; NAC: N 3OC: amm PM filter for atio sensor; recirculatio riven); PAIF c; CAC: cha HCT: hydro ndicates m natural gas pmatic (with able continu ssion; OT:	V 10001-14 certification adjusted LV EV; TWC/C Ox adsorpti nonia oxidati spark-ignite NOXS: NC n; HP/LP EV R: pulsed Al arge air cool ocarbon trap ultiple funct s; LPG: lique n lockup); M uously varia other transn	000#GVW n; STD: st W; LEV: le 0C: 3-way on catalys on catalys ad engine x sensor; GR: High/ R; SFI/MI er; FFH: f o; BCAN: ionalities efied petro : manual ble transr nission; A	VR; MDPV: r andard; FEL ow emission /oxidizing ca st; SCR-U or st; CTOX/PT HO2S/O2S PMS: PM s Low Pressur FI: sequentia uel fired hea bleed carbor of the after t bleum gas; E transmissior nission; AM: ER: all-elect	nedium- .: family vehicle; talyst; OX: : ensor; re EGR; al/multipo ter; F/P/3 n canister reatment 85: "85% n; SA: ser ric range

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
FORD	F150 PICKUP 2WD LIMITED	LDT4	3.5	SA10	LFMXR0200GDG	1	F
FORD	F150 PICKUP 2WD LIMITED	LDT4	3.5	SA10	LFMXR0260NDG	1	F
FORD	F150 PICKUP 4WD LIMITED	LDT4	3.5	SA10	LFMXR0200GDG	1	F
FORD	F150 PICKUP 4WD LIMITED	LDT4	3.5	SA10	LFMXR0260NDG	1	F
FORD	F150 RAPTOR 4WD	LDT4	3.5	SA10	LFMXR0200GDG		F
FORD	F150 RAPTOR 4WD	LDT4	3.5	SA10	LFMXR0260NDG	1	F