

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.

		4.			TEST GRC	OUP IN	FOR	MATION					
MODE		EST GROUP	VEHICLE CLASS(ES)					FUEL CATEGORY			FUEL TYPE		
2020	LF	MXT02.33MC			LDT3			DEDICATED SINGLE FUEL VEHICLE			GASOLINE		
	USEFUL	LIFE (miles)		VEF	ICLE EMISS	ATE	GORY	INTERIM / IN	TEF	RMEDIATE IN-USE STD			
EXH	I/ORVR	EVAP		FTP SF				FTP FTP			SFTP		
15	LEV3	ULEV125	LEV 3 COMPOSITE			PM		PM					
SPE	CIAL FE	ATURES & EX	HAUS		ON CONTRO	L		OBD STATUS			ENGINE DISPLACEMENT (L)		
1 7	TWC, DF	I, WR-HO2S,	, TC, CF	AC, EGR, E	GRC		FULL	ALL MODELS	1				
*			*				P	ARTIAL	*	11	2.3		
*			*			1	TIAL WITH FINES	*					
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVA	P / ORV	RFAMILY	EVA	PORATIVE	E STD CATE	GORY	,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
I	LFMXR0135NDV LEV 3 OPTION2 WITH FEL								DT3		*		
					EMISSION C	REDIT	r info	ORMATION					
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY								REDIT FOR DO	R	OPTIONAL EXH. STD FOR WORK TRUCKS		
	N N								N N				
NMOG AND FLEET AVERAGE INFORMATION													
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO		IO/NMHC RATIO	NMOG+NO PC+LDT ((9			and provide the second se					
*	*	1.10		*	0	0.065			0.074		*		
Soo th	o Attack	mont for Vohi	do M	odole Ev	aporativo Er	mily	Engi	no Displac	amont Emissio	nC	ontrol 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).

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 2014 day of November 2019.

Allen Lyons, Chief Emissions Certification and Compliance Division



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	EXHA			the second second second					COLUMN TWO IS NOT) CERTI				_S	
EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)																	
	FUE	EL TY	r (CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carbon nonoxide; 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; DRVR [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												y ss;	
					NMOG+NOx (g/mi)			CO (g/mi)		N (g		O ni)			M (mi)		
			F	CERT		STD CERT					CERT STD		CERT		CERT		STD
FTP@5	ж	*		*		*	*	*		*	*	*			*	*	
FTP@L	CASOL THE-			0.05	2 0	.125	0.34	2.	1	*	*	1	1		0.001		0.003
50°F @4	1 1 1	SOLINE- ER3 E10 0.040			6 0	.250	0.67	2.	1	* .	*	1.8		16			
			-		EU	EL TY	DE			N	MOG+N	Ox (g/mi))x (g/mi)		CO (g/mi)		
	for the t				FU		F E			CE	ERT	STD	STD		CERT		STD
HWFE	@ 50K					*					*	*	*				
HWFE	T @ UL			GASOLINE-TIER3 E10						0.0	0571	0.125					
20°F	@ 50K	CC	DLD CO	O E10	REGU	LAR (GASOLIN	ASOLINE (TIER3)				1.3			6 12.5		2.5
			5	SFTP E	XHAL	JST EI	MISSION	STAND	ARDS	AND C	ERTIFIC	ATION LE	VEL				
				US06							SC03		COMPOSITE				
	FUEL TYPE				NMOG+NOx (g/mi)		CO (g/mi)				G+NOx /mi)	CO (g/mi)	NMOG+NOx (g/mi)		CC (g/m		PM (mg/mi)
@ 4K	*		CER	t *		*	*			*	*						
		ST		D *		*				*	*						
			CERT *		*	1	1.7		*		0.0667		0.42		*		
@ UL	gasoli TIER3		STD		*		*	* 6		*		*	0.083		4.2		*
			BIN											0.100			
		WH	IOLE \	VEHICI	E EV							CERTIFIC	ATIO		.S		
	00470	_				V	VHOLE V	/EHICLE	EVAF	ORATI	VE TES	IING			_ (g/mi)	@	п
EVAPORATIVE FAMILY		= F				(g/test) @ UL			2DHS (g/test)								
			CERT		STD	D FEL O		RT	STD	FEL	•	CER		T 5			
	0135ND	ר י	ASOL:	E10	0.16		0.500	0.500		350 0.500 0.500				0.000 0.05			
(DRVR / F	UEL	ONLY	/ CAN	STER	BLEE	DEVAP	ORATIV				RDS AND				VE	LS
			001									P & CAN					
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5)RVR (g/gallon) @ UL							HS RIG TEST g/test) @ UL		2DHS RIG (g/test) @			EED CANISTE ST (g/test) @ 4	
''		FL		PE 0	ERT					RT STD		CERT		STD	CERT		STD
LFMXI	R0135ND	GA	SOLII ER3 1	NE- O	.171	0.20	GAS	OLINE- R3 E10		*	*	*		* 0.0		,	0.020

CALI AIR RESC	FORNIA DURCES BOARD		FORD MOTOR COMPANY	Executive Order: A-010-2230 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4								
EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)												
EVAPORATIVE FAMILY	LEAK FAMILY		CERT		STD							
LFMXR0135NDV	LFMXR0135NDV-00	01	*		0.02							
LDT<6000#GVWR,3751-575 8500#ALVW; MDV: medium- duty passenger vehicle; HDV emission limit; GVWR: gross ULEV: ultra LEV; SULEV: su ADSTWC: adsorbing TWC; H SCRC/SCR-N or SCRC-NH3 continuous/periodic trap oxidi heated/oxygen sensor; WR-H RDQS: reductant quality sens EGRC: EGR cooler; AIR/AIR fuel injection; DFI/IFI: direct/in full/partial/partial with fines or prefix 2: parallel; (2) suffix: set device (ex. DPF-SCRC: SCR ethanol ("15%"gasoline) fuel; -automatic transmission: CV:	0#LVW; LDT3: LDT 600 duty vehicle; MDV4: MD : heavy-duty vehicle; EO vehicle weight rating; LV per ULEV; ZEV: zero-en IAC: HC adsorbing cata : selective catalytic redu zer; DPF: diesel particu IO2S or AFS: wide rang sor; NH3S: ammonia se E: secondary air injection direct fuel injection; TC n-board diagnostic; DOF ries; a hyphen (-) betwee coated DPF); CNG/LNG E10: "10%" ethanol ("90 continuously variable tr- ion; AMS: automated ma V: plug-in hybrid electric	01-850 0V 850 CS: en VW: lc nission late fil e/line m (bel /SC: t con 0%"ga ansmi anual- vehic vehic	0#GVWR,3751-5750 01-10000#GVWR; MI nission control system aded vehicle weight; n vehicle; TZEV: trans VU: warm-up catalyst urea/ammonia; NH30 ter (active); GPF: PM ar/heated air-fuel ratio EGR: exhaust gas rea t driven)/(electric driv urbo/super charger; (ct ozone reducing; H0 ter treatment ECS inco npressed/liquefied na soline) fuel; A: autom ssion; SCV: selectab selectable transmissi	#ALVW; LDT4: DV5: MDV 1000 n; CERT: certific ALVW: adjusted sitional ZEV; TW NAC: NOX ads OC: ammonia ox filter for spark-io sensor; NOXS circulation; HP/L en); PAIR: pulse CAC: charge air CT: hydrocarbor tural gas; LPG: atic (with lockup e continuously on; OT: other tra-	 kidation catalyst; CTOX/PTOX: gnited engine; HO2S/O2S: NOx sensor; PMS: PM sensor; P EGR: High/Low Pressure EGR; ad AIR; SFI/MFI: sequential/multiport cooler; FFH: fuel fired heater; F/P/\$: a trap; BCAN: bleed carbon canister; functionalities of the after treatment liquefied petroleum gas; E85: "85%" b); M: manual transmission; SA: semi variable transmission; AM: ansmission; AER: all-electric range; 							

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
FORD	RANGER	LDT3	2.3	SA	LFMXR0135NDV	1	F