

FORD MOTOR COMPANY

Executive Order: A-010-2198

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

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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 GR	OUP IN	IFORI	MATION	A 1000 CO				
L	EST GROUP	VEHIC	LE CLASS(ES)	FUEL CATEGORY				FUEL TYPE		
LF	MXT02.32Z1		LDT2		DEDICATED SINGLE FUEL VEHICLE				GASOLINE		
USEFUL	LIFE (miles)	HICLE EMIS	SION C	ATEC	ORY	TEF	ERMEDIATE IN-USE STD				
/ORVR	EVAP		FTP.			SFTP FT			SFTP		
0000	150000	LEV3	ULEV70	ULEV70 LEV 3 COMPOSI		MPOSITE	SITE PM		PM		
CIAL FE			ON CONTRO	OL		OBD S	TATUS	This seems to	ENGINE DISPLACEMENT (L)		
TWC(2)	, DFI, WR-HC	2S, HO2S, TO EGRC	C, CAC, E	GR,	i e	FULL	ALL MODELS				
		*			P	ARTIAL	*	2000	2.3		
	and the second s			3,5 35 5		*					
	EV	APORATIVE &	REFUELIN	G (EVA	P/OR	VR) FAMILY	INFORMATION	1			
P / ORV	R FAMILY	E STD CATE	EGORY	RY EVAP EMISSION STD VEHICLE CLASS			;	SPECIAL FEATURES			
FMXR01	25GDF	LEV 3 OPT	ION2 WITH	FEL	LDT2				HCT		
			EMISSION (CREDIT	INFC	RMATION	•				
EDIT FO	R EXTENDED			PZEV NMOG CREDIT FOR DOP			R	OPTIONAL EXH. STD FOR WORK TRUCKS			
	N	N		N				N			
		NMO	AND FLEE	T AVE	RAGE	INFORMA	TION				
						/) LDT	NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)		NMOG+NOX FLEET STE MDV (10,001-14,000 GVWR) (g/mi)		
*	1.10	*		0.065			0.074		*		
	USEFUL /ORVR 0000 CIAL FE TWC (2) P / ORV .FMXR01 OG+NO EDIT FC WAF	TEST GROUP LFMXT02.32Z1 USEFUL LIFE (miles) /ORVR EVAP 0000 150000 CIAL FEATURES & EXISYS TWC (2) , DFI , WR-HO EV P / ORVR FAMILY FMXR0125GDF OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N CH4 RAF RFTP NMOG/NMHC RATIO	TEST GROUP VEHIC LFMXT02.32Z1 USEFUL LIFE (miles) VEH /ORVR EVAP 0000 150000 LEV3 CIAL FEATURES & EXHAUST EMISSISTYSTEMS TWC (2), DFI, WR-H02S, H02S, TOEGRC * EVAPORATIVE & EVAPORATIVE & P / ORVR FAMILY EVAPORATIVE JFMXR0125GDF LEV 3 OPT OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOC CH4 RAF NMOG/NMHC RATIO HCH0/NMHC RATIO	L TEST GROUP VEHICLE CLASS(LFMXT02.32Z1 LDT2 USEFUL LIFE (miles) VEHICLE EMIS /ORVR EVAP FTP 0000 150000 LEV3 ULEV70 CIAL FEATURES & EXHAUST EMISSION CONTRO SYSTEMS TWC (2) , DFI , WR-HO2S , HO2S , TC , CAC , EC EGRC * EVAPORATIVE & REFUELIN P / ORVR FAMILY EVAPORATIVE STD CATE FMXR0125GDF LEV 3 OPTION2 WITH EMISSION (OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG CREDIT FOR ZERO-EVA NMOG AND FLEE CH4 RAF NMOG/NMHC RATIO NMOG+N PC+LDT	L TEST GROUP VEHICLE CLASS(ES) LEMXT02.32Z1 LDT2 USEFUL LIFE (miles) VEHICLE EMISSION OF The Power of Text o	TEST GROUP VEHICLE CLASS(ES) LFMXT02.32Z1 LDT2 I USEFUL LIFE (miles) /ORVR EVAP 0000 150000 LEV3 ULEV70 LEV 3 CO CIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS TWC (2) , DFI , WR-HO2S , HO2S , TC , CAC , EGR , EGRC * PAR EVAPORATIVE & REFUELING (EVAP/OR P / ORVR FAMILY EVAPORATIVE STD CATEGORY FMXR0125GDF LEV 3 OPTION2 WITH FEL EMISSION CREDIT INFO OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG AND FLEET AVERAGE CH4 RAF RAF PTP NMOG/NMHC RATIO NMOG+NOX FLEET S' PC+LDT (0-3750 LVW (g/mi)	TEST GROUP VEHICLE CLASS(ES) LETY DEDICATED VEHICLE EMISSION CATEGORY JORVR EVAP JORVR EGRC TWC (2) , DFI , WR-HO2S , HO2S , TC , CAC , EGR , EGRC EGRC * PARTIAL PARTIAL	L TEST GROUP VEHICLE CLASS(ES) LEMATO 2.3221 LDT2 DEDICATED SINGLE FUEL VEHICLE USEFUL LIFE (miles) VEHICLE EMISSION CATEGORY FTP SFTP GOOO 150000 LEV3 ULEV70 LEV 3 COMPOSITE PM CIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS TWC (2), DFI, WR-HO2S, HO2S, TC, CAC, EGR, EGRC * PARTIAL * PARTIAL * PARTIAL WITH FINES EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION P / ORVR FAMILY EVAPORATIVE STD CATEGORY EMISSION CREDIT INFORMATION OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG CREDIT FOR NON-PZEV ZERO-EVAP NMOG AND FLEET AVERAGE INFORMATION NMOG AND FLEET AVERAGE INFORMATION OGHONOM THE PLAND CREDIT FOR NON-PZEV ZERO-EVAP NMOG AND FLEET AVERAGE INFORMATION OGHONOM THE PLAND CREDIT FOR NON-PZEV ZERO-EVAP NMOG AND FLEET AVERAGE INFORMATION NMOG AND FLEET AVERAGE INFORMATION NMOG-NOX FLEET STD NMOG-NOX FLEET STD LDT (3751 LVW-850) GVWR) + MDPV (g/mi) CH4 RAF NMOG/NMHC RATIO NMOG-NOX FLEET STD LDT (3751 LVW-850) GVWR) + MDPV (g/mi)	TEST GROUP LEMINTO2.3221 LDT2 DEDICATED SINGLE FUEL VEHICLE		

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.)



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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 seg. [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 the	his Executive Order shall c	onform to all applicable C	alitornia emis	sion regulations	descripted to a second of the
	e Repair will be notified by		der	MAN ARRESTA The A	44 (AK-345)
Executed at El Monte, Ca	ilifornia on this	day of August 2019.	ole militari sal	AND THE LOCAL	
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	Allen Lyons,	renco			
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OPTIONAL EXPLOTE FOR WORLD TRUCKS	100 201 WOEST 00%	1000年的总统内容和下储度 可以上的高速。		SAMERICA BERNAMAN YTVAK	98 54 WU
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FUEL TYPE

GASOLINE-

TIER3 E10

LFMXR0125GDF

CERT

0.06

STD

0.20

GASOLINE-

TIER3 E10

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ATTACHMENT

	EXHA	NUS"	TAN	D EVA	PORAT	ΓIVE	EMIS	SSION	ATE	NDAF	RDS AND	CERT	IFIC	ATION	LEVEL	S
		EXH	AUST	EMISS	ION STA	NDA	RDS A	ND CER	TIFIC	ATION	LEVELS	(FTP, HV	VFET,	50°F, 20)°F)	2.0
	FUE	≣L TY		monoxid adjustm ORVR [de; NOx: ent factor g HC/gall	oxider; 2D lon d	es of nit HS/3DI ispense	trogen; H HS [g HC ed]: on-bo	CHO: /test]: oard re	formal 2/3 da efueling	: hydrocar ldehyde; P lys diurnal g vapor re est proced	M: partic +hot-soal covery; g	ulate i k; RL gram	matter; R [g HC/mi] n; mg: mil	AF: react]: running lligram; m	ivity loss;
					OG+NOx g/mi)			CO (g/mi)			NOx g/mi)		HCH (mg/n			PM /mi)
				CER		CERT			CERT	STI	D	CERT STD				STD
FTP@5	0K	*		*	*	15	*	*		*	*	*		*	*	*
FTP@L		OLIN		0.035	0.0	70	0.3	1.	7	*	*	0.4	1	4	0.001	0.003
50°F @	4K	*		*	*		*	*		* .	*	*		*		
					FUEL .	TYP	E				MOG+N				CO (g/m	
					*					CERT STD				CERT		STD
HWFE	Г@ 50K				*						*	*				
HWFE	T @ UL	2 12		GAS	OLINE-1	rief	3 E10			0	.009	0.07	0			
20°F	@ 50K	C	OLD C	O E10	REGULA	R GA	SOLIN	E (TIEF	(3)					0.9		12.5
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48-141-	FUEL T	YPE		1989	OG+NOx (g/mi)		CO (g/mi)		M /mi)		OG+NOx g/mi)	CO (g/mi)		OG+NO) (g/mi)	CO (g/mi	PM (mg/mi)
@ 4K	4K * CEF		CER	RT *		*	*			*						
		, S1)	*		*				*	*				
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				,		WH	HOLE V	EHICLE	EVAF	ORAT	TIVE TEST	TING				
PAWILT		UEL	. TYPE 3DHS (g		/test) @ UL			2DHS (g/test)) @ UL		R	L (g/mi) (mi) @ UL STD		
				CERT	STD		FEL	FEL CE		RT STD		FEL				RT
	0125GD	E	GASOL FIER3	E10	0.191		400	0.400		* 0.400 0.4			0.002		0.05	
	PRVR / F	UEL	ONLY	/ CANIS	STER BL	EED	EVAP	ORATIVE			STANDA					/ELS
	ORATIV	Ε	ORVE	R (g/gall	lon) @ Ul	L			30	HS R	IG TEST	2DHS	RIG	TEST	BLEED (CANISTER
FAMILY		-			FUEL TYPE				g/test) @ UL (g/tes			:SI) (<u>a</u>	t) @ UL			

CERT

STD

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0.020



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THE CHAILS

EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)								
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD					
LFMXR0125GDF	LFMXR0125GDF-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#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; 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: 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: SRC 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: sem -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

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH	OBD
LINCOLN	CORSAIR 2.3L GTDI AWD	LDT2	2.3	SA8	LFMXR0125GDF	1	F

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