

FORD MOTOR COMPANY

Executive Order: A-010-2241

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 II	NFORMA	ATION		And the second s				
MODE		EST GROUP	VEHICLE CLASS(ES)				FUEL C	ATEGORY	FUEL TYPE				
2020) LE	MXV03.5VGT	PC I			DE		SINGLE FUEL HICLE	GASOLINE				
	USEFU	LIFE (miles)	VEH	HICLE EMISS	SION	CATEGO	RY	INTERIM / INT	ERMEDIATE IN-USE STD				
EXH	I/ORVR	EVAP		FTP SF1			P FTP		SFTP				
15	50000	150000	LEV3	ULEV125	LEV	3 СОМЕ	POSITE	PM	PM				
SPE	CIAL F	EATURES & EX SYS	HAUST EMISSI TEMS	ON CONTRO	DL		OBD S	TATUS	ENGINE DISPLACEMENT				
1	2TWC, DFI, SFI, 2WR-HO2S, 2HO2S, 2TC, 2CAC						JLL	*					
*	*						RTIAL	*	3.5				
*	1		*	e digma igual que La la Baracca			AL WITH NES	ALL MODELS					
		EV	APORATIVE &	REFUELING	EVA	P/ORVR	R) FAMILY	'INFORMATION					
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR						EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES				
1	LFMXR01	30NKE	L	LEV 2			P	С	HCT				
				EMISSION C	REDIT	INFORI	MATION						
	EDIT FO	X FLEET AVE. OR EXTENDED RRANTY		EDIT FOR NON-PZEV ERO-EVAP			NMOG CI	REDIT FOR DOR	OPTIONAL EXH. STD FOR WORK TRUCKS				
N N						- i		N	N				
			NMOG	AND FLEE	T AVE	RAGE IN	FORMA	TION					
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	HCHO/NMHC RATIO	NMOG+NO PÇ+LDT (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.)



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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 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 fifty dollars (\$50) 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 2020 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 \$37,500 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 at El Monte, California on this 4114 day of December 2019.

Allen Lyons, Chief

Emissions Certification and Compliance Division



FAMILY

LFMXR0130NKE

FUEL TYPE CERT

TIER3 E10 0.009

GASOLINE-

PREM

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ATTACHMENT

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

		EXH	AUST	EMISS	ION STAN	DARDS A	ND CEF	RTIFIC	ATION I	EVELS	(FTP, HV	NFET, 50°F	, 20°	F)		
	FU	FUEL TYPE		monoxi adjustn ORVR	de; NOx: o ent factor; g HC/gallo	xides of ni 2DHS/3D n dispens	itrogen; i HS [g Ho ed]: on-b	HCHO: C/test]: looard re	formald 2/3 day efueling	ehyde; F s diurnal vapor re	PM: partic l+hot-soa covery; g	HC: non-Cl culate matte k; RL [g HC : gram; mg: P: supplem	r; RA /mi]: millig	F: reactive running I gram; mi:	vity oss:	
					NMOG+NOx CO (g/mi) (g/mi)		CO (g/mi)			NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)		
			CERT		STD	CER	CERT STD		CERT STE			- Warning to 1	STD		STD	
FTP@5	0K	*	2,751	*	*	*	4		*	*	*	*		CERT *	*	
FTP@l	GASOLINE- P@UL TIER3 E10 PREM		10	0.08	0.12	5 0.7	2.	.1	*	*	1	4		0.001	0.003	
50°F @	4K	*		* .8	*	*	,		*	*	*	*	1			
		FUEL TYP				VDE	F		N	MOG+N	Ox (g/mi)	W-1. 1	C	CO (g/mi)		
				M. A.L.	FUEL I	ITE			CE	RT	STD	С	CERT		STD	
HWFE.	T @ 50K			*					. ,	* *			建金、电影、数数、数			
HWFE	T@UL		£ 1	GASOLINE-TIER3 E10 PREM					0.0	035	0.12	5				
20°F	@ 50K	CC	OLD C	O E10	E10 PREMIUM GASOLINE (TIER3)					2007 (1000)			1.6		10.0	
	3/3	-		SFTP E	XHAUST I	EMISSION	STAND	ARDS	AND C	ERTIFIC	ATION L	EVELS			V 54	
				US06					1		COMPOSITE					
	FUEL 1	UEL TYPE		100	OG+NOx (g/mi)	CO (g/mi)				S+NOx mi)	CO (g/mi)	NMOG+N (g/mi)		CO (g/mi)	PM (mg/mi	
@ 4K		* CE		Т	*	*				*	*					
W 4N				_	*	*			,	*	*			1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		
		CE		Т	*	* .		*	ļ ,	*	*	0.075	5	0.7	*	
@ UL	TIER3	GASOLINE- TIER3 E10 PREM			*	*		6	. ,	*	*	0.083	3	4.2	*	
,					iku, disebi			393799	NAME OF			0.130	,			
		WH	OLE \	/EHICL	E EVAPO	RATIVE E	MISSIO	N STA	NDARD	S AND C	ERTIFIC	ATION LE	VELS		on energicing to	
96.00						WHOLE V	/EHICLE	EVAF	ORATI	/E TEST	ING					
EVAPORATIVE FAMILY		E F	FUEL TYPE 3DHS (g			(g/test) @	/test) @ UL		2DHS (g/test) @ L		@ UL) UL R		L (g/mi) @ UL		
				CERT :		STD	FEL CE		RT STD		FE	L C	CERT		STD	
LFMXR0130NK		GASOLINE- E TIER3 E10 PREM		E10	0.213	0.50	*	0.1	L59	0.65	*	C	0.00		0.05	
	RVR / F	UEL (ONLY	/ CANIS	STER BLE	ED EVAP	ORATIV	E EMIS	SSION S	TANDA	RDS AN	D CERTIFIC	CATIO	ON LEVE	LS	
						FUEL ONLY EVAP & CANISTER BLEED										
EVAP	ORATIV	E	ORVR	(g/gall	on) @ UL		3DHS RIG TEST					2DHS RIG TEST BLEED CANISTER				

FUEL TYPE

STD

0.20

(g/test) @ UL

STD

CERT

(g/test) @ UL

STD

CERT

TEST (g/test) @ 4K

STD

CERT



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EFFECTIVE	LEAK DIAMETER STA	ANDARD AND CERTIFICATION I	LEVEL (INCHES)		
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD		
*	*	0 07 07 07 08 00 08 A 0 08 A 08 A 08 A 0	***************************************		

: 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; ŽEV: 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: 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: automatic (with lockup); M: manual transmission; SA: semi -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
FORD	FORD GT	PC	3.5	SA7	LFMXR0130NKE	1	\$