California Environmental Protection Agency

⊘ Air Resources Board

FORD MOTOR COMPANY

Executive Order: A-010-2085

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

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Pursuant to the authority vested in the 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: 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 GROUP INFORMATION																
MODE! YEAR	- I TL	ST GROUP V				VEHICLE CLASS(ES)				FUEL CATEGORY				FUEL TYPE		
2018	2018 JFMXD06.87CV					MDV5				DEDICATED SINGLE FUEL VEHICLE			GASOLINE			
·	JSEFUL	LIFE	(miles)		VEHICLE EMISSION CATEGOR				GORY	/ INTERIM / INTE				RMEDIATE IN-USE STD		
EXH/ORVR EVAP					FTP			SFTP			FTP			SFTP		
120000 150000					L	EV2 ULEV	V2 ULEV *				*			*		
SPE	CIAL FE	ES & EXH	SION CONTROI	-		ОВІ	OBD STATUS		ENGINE DISPLACEME							
1	2TWC, 2WR-HO2S, 2HO2S, SFI								FULL	T	AL	ALL MODELS				
*	*								PARTIAL			*		6.8		
*	*							PA	RTIAL WI	- · · · · · · 1						
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION															
EVAP / ORVR FAMILY EVAPORATIVE STD CAT							CATECODY - · ·			EMIS IICLE		N STD ASS	SPI	SPECIAL FEATURES		
JFMXF0265NAS						LEV 2		MDV5			*					
						EMISSION CF	REDI	TINE	ORMATIC	ON						
ALLOWANCE FOR TEST GROUP								NMOG CRED					EDIT FOR STD FOR		OPTIONAL EXH. STD FOR WORK	
BASE	LINE P	ZEV	AT	PZEV	TZEV			NON-PZEV ZE		ZERO-EVAP			OOR		TRUCKS	
* *					*			N			1	N		N		
NMOG AND FLEET AVERAGE INFORMATION																
NMOG RAF	I NMOG/NMHC				C/KIMILICI ·····		/W-8	/-8500 GVW) N		NMOG+NOX FLEET ST MDV (8501-10000 GVW (g/mi)		TD NMOG+NOX FLEET ST R) MDV (10,001-14,000 GVWR) (g/mi)		(10,001-14,000		
*	* 1.04			*		*			*				*			

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.

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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 NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan 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 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 ______ day of September 2017.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

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							AT	TAC	НМ	ENT								
	EXHA	UST	ANDE	VAPO	RAT	IVE	EMIS	SIONS	ATA	NDAR	DS ANI	CERT	IFIC	ATION	LEVEL	S		
		EXH	AUST EM	ISSION	STAN	NDA	RDS AN	D CERT	TIFIC/	NOITA	LEVELS	(FTP, HW	/FET	, 50°F, 20°	°F)			
	FUE	FUEL TYPE		noxide; stment /R [g H	NOx: of factor C/gallo	xide; 2D	es of nitro HS/3DH dispensed	ogen; Ho S [g HC/ I]: on-bo	CHO: /test]: ard re	formalo 2/3 day efueling	dehyde; F /s diurnal vapor re	M: particu +hot-soak covery; g:	ulate ; RL gran	on-CH4 H matter; R/ [g HC/mi]: n; mg: mill oplementa	AF: react running igram; m	vity loss;		
				NMOG (g/mi)			CO (g/mi)				lOx J/mi)	HCHO (mg/mi)			PM (g/mi)			
					CERT STD		CERT STD			CERT STD		CERT		STD	CERT	RT STD		
FTP@5	P@50K *			*	*		*	*		*	*	*			*	*		
FTP@L	GASOLINE -		2 0.0	0663	0.16	7	3.26	7.3	3	0.37	0.4			21	*	0.06		
50°F @4	4K	*		*	*		*	*		*	*	*		*		100		
			FUEL TYPE								g/mi)	mi)		CO (g/mi)				
					UEL I	TPI	E			CE	ERT	STD		CERT		STD		
HWFET @ 50K				*						+	*		+-	8				
HWFET @ UL			GASO	GASOLINE - TIER 2 UNLEADED					0	0.34 0.8								
20°F	@ 50K				*						1	40-		*		*		
			SFT	P EXH	AUST	EM	ISSION S	TANDA	RDS	AND C	ERTIFIC	ATION L	EVEL	S				
-		407-0		US06							SC03		COMPOSITE					
	FUEL T	UEL TYPE		NMHC+NOx (g/mi)			CO PM (g/mi) (mg/r			NMHC+NOx (g/mi)		CO NN (g/mi)		IMOG+NOx (g/mi) (PM (mg/mi		
@ 4K	*	* CERT		*		•			*		*	*						
							*			*		+						
		CE		*			* *				*	*		+	*	+		
@ UL	*		STD	*			*	*			*	*		*	*	*		
	В		BIN						- 31					*				
		WH	OLE VEH	ICLE E	VAPO	RA	TIVE EM	ISSION	STAI	NDARD	S AND	ERTIFIC	ATIO	N LEVEL	S			
						WH	HOLE VE	HICLE	EVAP	ORATI	VE TEST	ING						
EVAPORATIVE FAMILY		··- FUEL TY		TYPE 3DHS		6 (g	(g/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi) (⊕ UL		
						CERT		S	STD FEL		CE	RT	STD	FEI	L	CERT		STD
JFMXF0265NAS		3	GASOLINE - TIER 2 0.30 UNLEADED		348	1.00		* 0.		134 1.25		*		0.00	0	0.05		
C	RVR / F	UEL (DNLY / CA	NISTE	R BLE	ED	EVAPO	RATIVE	EMIS	SION	STANDA	RDS AND	CE	RTIFICAT	ION LEV	ELS		
				,	****				. FI	UEL ON	NLY EVA	P & CAN	STE	R BLEED	1.710			
EVAPORATIVE FAMILY		VE ORVR (R (g/gallon) @ UL						OHS RIG TEST g/test) @ UL		2DHS RIG (g/test) @		TEST BLEE		D CANISTER (g/test) @ 4K		
				E CERT STD		D	7			ERT STD		CERT		STD CER		STD		
JFMXF0265NAS		GA:	SOLINE - TIER 2 NLEADED	-			*			*	*	*	*		*	*		

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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; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; 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; 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; 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: semiautomatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission

2018 MODEL YEAR: VEHICLE MODELS INFORMATION												
MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE				
FORD	E350 CUTAWAY	MDV5	6.8	A6	JFMXF0265NAS	1	F	*				
FORD	E350 STRIP CHASSIS	MDV5	6.8	A6	JFMXF0265NAS	1	F	*				