California Environmental Protection Agency

⊘ Air Resources Board

FORD MOTOR COMPANY

Executive Order: A-010-2084

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 1 of 4

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 GRO	UP INFO	RMATION					
MODEL YEAR	_	TEST GROUP VEHICLE CLASS(ES					S)	FUEL C	CATEGORY	FUEL TYPE			
2018	JFMXD06.27CX MDV5								EL VEHICLE FFV)	85% E	85% ETHANOL, GASOLINE		
USEFUL LIFE (miles) VEHICL							CLE EMISSION CATEGORY INTERIM / INTERMEDIATE IN-						
EXH/ORVR EVAP						FTP		SFTP		>	SFTP		
120	120000 150000					EV2 ULEV		*	1		*		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD S	TATUS	ENGI	ENGINE DISPLACEMENT (L)		
1 2TWC, 2WR-HO2S, 2HO2S, SFI								FULL	ALL MODELS				
*				*				PARTIAL *			6.2		
*	PARTIAL WITH * FINES												
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGO							SORY	DRY EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
JFMXF0265NAS					LEV 2			MDV5			*		
						EMISSION C	REDIT IN	FORMATION					
ALLOWANCE FOR TEST GROUP BASELINE PZEV AT PZEV TZEV								NMOG CREDIT FOR NMOG CF			OPTIONAL EXH. STD FOR WORK TRUCKS		
DASE	BASELINE PZEV AT PZE					*		V		N7	N.		
								N N N					
NMOG AND FLEET AVERAGE INFORMATION													
NMOG RAF	CH4 RAF	H4 NMOG/NMHC PATIO LDT /				LDT (3751 L)		GVW) MDV (8	NMOG+NOX FLEET S' VW)MDV (8501-10000 GVW (g/mi)		DG+NOX FLEET STD DV (10,001-14,000 GVWR) (g/mi)		
*	* 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.

FORD MOTOR COMPANY

Executive Order: A-010-2084

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

Page 2 of 4

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 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 22 day of September 2017.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

FORD MOTOR COMPANY

Executive Order: A-010-2084

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

Page 3 of 4

⊘ Air Resources Board

							AT	TAC	НМ	ENT							
	EXHA	UST	AND	EVAF	POF	RATIVI	EEMIS	SION	STAI	NDARE	S AN	D CERT	IFIC	ATION	LEVELS	3	
		EXHA	AUST E	MISSI	ON S	TANDA	ARDS AN	ID CER	TIFIC	ATION L	EVELS	(FTP, HW	/FET	, 50°F, 20)°F)		
	FUE	n a C		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													
= ,400				NMOG (g/mi)		CO (g/mi)			NOx (g/mi)		HCHO (mg/mi)						
90				CERT		STD	CERT	STI	0	CERT	STE	CER	T	STD	CERT	STD	
FTP@50		*		*		*	*	*		*	*	*		*	*	*	
FTP@U	L (GAS	E85-EPA (GASOLINE - TIER 2 UNLEADED)		0.1348		0.167	5.12 (5.90)	7.3		0.16 (0.36)	0.4			21 (21)	* (*)	0.06	
50°F @4	K E8	5-EP	A (.1410	(.334	1.54	7.3	3	0.02	. 0.4	5		42	-23		
7.0				-	EII	EI TVD	E				NOx (g/mi)				CO (g/mi	O (g/mi)	
				FUEL TYPE					•	CERT		STD	STD		T	STD	
HWFET	@ 50K					*					•	*		#		STE II	
HWFET@UL (GASOLINE - TIER 2							(0.32)		0.8	0.8			- Times				
20°F @	9 50K					*							- (*		* .	
			S	FTP EX	HAL			STANDA	ARDS	AND C		CATION L	EVE				
							US06			NMHC+NOx (g/mi)					MPOSITE		
	FUEL T			NMHC+NOx (g/mi)		CO PM (g/mi) (mg/m			CO (g/mi)					(g/mi)	PM (mg/mi)		
@ 4K	*	* 0		RT *		•				*				LEE			
					*		*			,	fr	*	17.				
		* STD				*	*		*		*	*		*	*		
@ UL	*				*		*	1	,	* *			*	*	*		
			BIN		-10									*	4		
		WH	OLE VI	HICLE	EV				-			CERTIFIC	ATIC	N LEVEL	S		
	RATIVE	F	UEL TY	PE	3		HOLE VE		EVAI		(g/test		_	RI	L (g/mi) @	UL	
FAMILY				1	-		STD FEL		CE	RT	STD	FEI	FEL		т	STD	
JFMXF0265NA		-			0.589 1.00			*	0.538				* 0.00		0.05		
0	RVR / FU	JEL C	NLY /	CANIS	TER	BLEEC	EVAPO	RATIVE	ЕМІ	SSION S	TANDA	RDS AND	CE	RTIFICAT	TION LEV	ELS	
									F	UEL ON	LY EVA	P & CAN	STE	R BLEED)		
EVAPORATIVE FAMILY		ORVR (g/gallon) @ UL				FUEL TYPE		1	BDHS RIG TEST (g/test) @ UL			2DHS RIG TE (g/test) @ U		BLEED CANIS TEST (g/test)			
		FU	FUEL TYPE		CERT STD				CI	ERT	STD	CERT		STD	CERT STD		

FORD MOTOR COMPANY

Executive Order: A-010-2084

New Passenger Cars, Light-Duty Trucks and

Medium-Duty Vehicles

Page 4 of 4

: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: .DT<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; PZEV: partial ZEV; AŤ 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 FFV	MDV5	6.2	SA6	JFMXF0265NAS	1	F	*
FORD	E350 STRIP CHASSIS FFV	MDV5	6.2	SA6	JFMXF0265NAS	1	F	*
FORD	E450 CUTAWAY FFV	MDV5	6.2	SA6	JFMXF0265NAS	1	F	*
FORD	E450 STRIP CHASSIS FFV	MDV5	6.2	SA6	JFMXF0265NAS	1	F	*

