California Environmental Protection Agency

⊘ Air Resources Board

FORD MOTOR COMPANY

Executive Order: A-010-1985

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	GROU	PINFO	RMAT	ION						
MODE YEAR	- 1 1 1	TEST GROUP			VEHICLE CLASS(ES)				FUEL CATEGORY			FUEL TYPE			
2017	2017 HFMXD06.771D				MDV5				DEDICATED SINGLE FUEL VEHICLE			DIESEL			
	USEFUL	LIFE	(miles)		VEHICLE EMISSION CATEGOR			EGOR	ORY INTERIM / INTE			ERME	RMEDIATE IN-USE STD		
EXH/ORVR EVAP					FTP			SFTP		FTP			SFTP		
120000 *					LEV2 ULEV			*			*				
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD STATUS				ENGINE DISPLACEMENT (L)			
1 TC, CAC, DFI, EGR, EGRC, OC, PTOX, SCRC, NOXS(2), RDQS FULL ALL MODELS															
*	* PARTIAL * 6.7										6.7				
*	PARTIAL WITH														
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION														
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGORY EVAP EMISSION STD VEHICLE CLASS SPECIAL FEATURES									L FEATURES					
*					<i>X</i>				*				*		
				4	EMISSIO	N CRE	DIT IN	FORM	ATION						
												OPTIONAL EXH. STD FOR WORK			
BASE											TRUCKS				
* * * N N								И							
NMOG AND FLEET AVERAGE INFORMATION															
NMOG RAF	NINIC (CANDIDATE)				HO/NMHC RATIO NMOG+NOX F LDT (3751 LVW + MDPV		V-8500	-8500 GVW) MD		NMOG+NOX FLEET ST MDV (8501-10000 GVW (g/mi)		(R) NMOG+NOX FLEET STE MDV (10001-14000 GVWR) (g/mi)		(10001-14000	
*	* * ,				* *			*				*			

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.

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.

California Environmental Protection Agency

OB Air Resources Board

FORD MOTOR COMPANY

Executive Order: A-010-1985

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

Page 2 of 4

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 _

__ day of July 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

FORD MOTOR COMPANY

Executive Order: A-010-1985 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

Air Resources Board

						AT	TAC	HME	NT							
	EXH		-	-									-	LEVELS	3	
	FU	FUEL TYPE		4: methar noxide; N ustment fa VR [g HC	ne; NMO Ox: oxid actor; 2D	G: non-C es of nitro HS/3DH: dispensed	H4 orga ogen; H6 S [g HCa d]: on-bo	anic gas CHO: fo /test]: 2/ pard refu	; HC: h rmalde /3 days ueling	nydrocart ehyde; Pl s diurnal- vapor rec	oon; NMH M: particu	C: no late r RL [gram	n-CH4 H natter; R g HC/mij ; mg: mil	HC; CO: ca AF: reactive]: running l	vity oss;	
	/- /			NMHC (g/mi)			CO (g/mi)		NOx (g/mi)		HCH (mg/n				M mi)	
				ERT	STD	CERT	STI) C	CERT STD		CERT		STD	CERT	STD	
FTP@50K		*		*	*	*	*		*	*	*		*	*	*	
FTP@U	L DIE	SEL-	EPA 0	043	0.167	0.7	7.3	3 (0.3	0.4	7.3	2	21	0.01	0.06	
50°F @4	IK	*		*	*	*	*		*	*	*		*			
				EI	IEI TVP	E				NOx (g				CO (g/mi)	
			FUEL TYPE					CERT		STD	STD		Т	STD		
HWFET	@ 50K				*				C		*					
HWFE	HWFET @ UL				DIESEL-EPA					0.1 0.8						
20°F (@ 50K				*						301.22		*		*	
			SFT	PEXHA	UST EM	ISSION S	STANDA	ARDS A	ND C	ERTIFIC	ATION LE	VEL	S			
			1			U S 06			SC03			COMPOSITE				
	FUEL TYPE			NMHC+NOx (g/mi)		CO (g/mi)					CO NM (g/mi)		HC+NOx g/mi)	CO (g/mi)	PM (mg/mi	
@ 4K	*	* CE		RT *		*	*		*		*	*				
				*		,Nr				*	w	THE				
		*		*		*	1	le .		dr .	*		*	*	*	
@ UL	*			*		*	1	Ar		*	*		*	*	*	
			BIN								*		*			
		WH	IOLE VE	IICLE EV				-			ERTIFICA	ATIO	N LEVE	LS		
					W	HOLE VE	HICLE	EVAPO	RATI	VE TEST	ING					
EVAPORATIVE FAMILY		E F	FUEL TYPE		DE 3DHS (g/test) @ UI				2DHS (g/test)		@ UL		R	L (g/mi) @	/mi) @ UL	
				CERT		STD	FEL	CER	Т	STD	FEL		CEF	RT	STD	
	*		*	1		*	*	*		*	*		*		*	
0	RVR / I	FUEL	ONLY / C	ANISTER	BLEE	EVAPO	RATIVE							TION LEV	ELS	
EVAPORATIVE FAMILY		Æ	ORVR (g/gal		gallon) @ UL			3DH	UEL ONLY EVAP DHS RIG TEST (g/test) @ UL		2DHS RIG TE (g/test) @ U		EST BLEED CAN			
		FUEL TYPE C		CERT	STD	FUEL TYPE		CEF		STD	CERT		STD	CERT	STD	
*			*	*	*	*		*			*		*	*	*	

California Environmental Protection Agency

@ Air Resources Board

FORD MOTOR COMPANY Executive Order: A-010-1985

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: 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; 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; £85: "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

2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
FORD	F350 2WD DIESEL	MDV5	6.7	SA6	*	1	F	*
FORD	F350 4WD DIESEL	MDV5	6.7	SA6	*	1	F	*
FORD	F450 4X4 PICKUP DIESEL	MDV5	6.7	\$A6	*	1	F	*