California Environmental Protection Agency	FORD MOTOR	Executive Order: A-010-2007 New Passenger Cars, Light-Duty Trucks and
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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 GR	OUP IN	FORMAT	ION					
MODE	- 1 1	EST G	ROUP	VE	ICLE CLASS(ES)		FUEL C	ATEG	ORY	FU	EL TYPE	
2017	HF	MXT02	.73 <i>J</i> J		LDT3, LDT4		DED		SING	LE FUEL	GI	ASOLINE	
I	USEFUL	LIFE	(miles)		EHICLE EMIS	SION C	ATEGOR	Y	INT	ERIM / INT	ERMEDIA	TE IN-USE STD	
EXH/ORVR EVAP FTP SFTP								-	FTP		SFTP		
15	0000		150000	LE	V3 ULEV70	LEV	3 COMPC	SITE		*		*	
SPE	CIAL FE	ATUR		AUST EMIS	SION CONTRO	OL		OBD ST	TATU	s	ENGINE	DISPLACEMENT (L)	
1	21W	C, 2W	R-HO2S,	2HO2S, 21	C, CAC, DFI		FU	LL		*			
*				*			PAR	FIAL	ALL	MODELS	2.7		
*	*						PARTIAL WITH *						
			EV	APORATIVE	& REFUELIN	G (EVA	P/ORVR)	FAMILY	INFO	ORMATION	1	an alam a alam di kara a	
EVA	P/ORV	RFAN		EVAPORAT	IVE STD CATE	EGORY					SPECIA	L FEATURES	
н	IFMXR01	60ABC	2		LEV 2			LD	тз			*	
Н	FMXR02	235NBC	-		LEV 2			LD	тз	*			
					EMISSION	CREDIT	INFORM	ATION				**************************************	
	A	LLOW	ANCE FO	R TEST GR	OUP					NMOG CRE		OPTIONAL EXH	
BASE	ELINE P	ZEV	AT	PZEV	TZEV	NO	N-PZEV	ZERO-E	VAP	DO	R	TRUCKS	
	*			*	*		1	N		N		N	
				NIV		ET AVE	RAGE IN	FORMAT	TION				
NMOG RAF	CH4 RAF	NMO	FTP G/NMHC ATIO	HCHO/NMI RATIO	PC+LDI			LDT (3751	FLEET STI LVW-8500 IDPV (g/mi)	MDV	NOX FLEET STD / (10001-14000 //WR) (g/mi)	
*	*	:	1.10	*		0.086			0.	101		*	

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.

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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 16 day of September 2016.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency

FORD MOTOR COMPANY Executive Order: A-010-2007 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 5

ATTACUMENT	
ATTACHMENT	

EXHAUST AND EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)

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

Service .												
			NMOG (g/r		CO (g/mi)			NOx (g/mi)		iO mi)	PM (g/mi)	
			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*		*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLI LEV3 E		0.0523	0.070	0.71	1.7.	*	*	*	4	*	0.01
50°F @4K	GASOLI LEV3 E		0.0787	0.140	0.65	1.7	*	*	1.2	16		
S SUD TH	1				-		NN	IOG+NC	Dx (g/mi)		CO (g/mi	i)
	State of the second		,	UEL TYP	E		CE	RT	STD	CER	Т	STD
HWFET @	50K	-		*			*		*			
HWFET @	UL		GASO	LINE-LEV	3 E10		0.0	211	0.070	教育的		
20°F@	50K	GA	SOLINE-	COLD CO	LOW OCTA	NE		- 1		1.6	5	12.5
	and and a second	5	SFTP EXH	AUST EM	ISSION ST	TANDAR	DS AND C	RTIFIC	ATION LEVE	LS		
10 ⁻¹ ⁻⁴ -					US06			SC03		CC	OMPOSITE	-
		-	-		- I I I I I I I I I I I I I I I I I I I					and a second sec		

				0000		0000			II OUTIE	
	FUEL TYPE		NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMOG+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)
@ 4K	*	CERT	*	*		*	*			
		STD	*	*		*	*			
		CERT	*	*	*	*	*	0.0587	0.81	*
@ UL	GASOLINE- LEV3 E10	STD	*	*	*	*	. *	0.103	4.2	*
		BIN						0.100		Transie and
	WH	IOLE VE	HICLE EVAPOR	RATIVE EM	ISSION STAN	NDARDS AND	CERTIFIC	ATION LEVELS	5	
			1		HICLE EVAP	ORATIVE TES	TING			

	/		THIOLE							
EVAPORATIVE FAMILY	FUEL TYPE	3DHS	6 (g/test) (@ UL	2Dł	HS (g/test) @	DUL	RL (g/mi) @ UL		
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD	
HFMXR0160ABC	GASOLINE - TIER 2 UNLEADED	0.334	0.90	*	0.658	1.15	*	0.000	0.05	
HFMXR0235NBC	GASOLINE - TIER 2 UNLEADED	0.290	0.90	*	0.699	1.15	*	0.000	0.05	

California Envi	ironmental Prot	tection A	gency	FORD		1		nger Cars,	der: A-010-2 Light-Duty	Trucks and
0 Air F	ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION								Medium-Du Pa	age 4 of 5
ORVR / FU	EL ONLY / CA	NISTER	BLEED	EVAPORATIVE						ELS
EVAPORATIVE	ORVR (g/g	gallon) (DUL	FUEL TYPE	3DHS R	IG TEST		IG TEST	BLEED CANISTER	
	FUEL TYPE CERT STD		STD	10221112	CERT	STD	CERT STD		CERT	STD
HFMXR0160ABC	GASOLINE - TIER 2 UNLEADED	0.051	0.20		*	*	*	*	*	*
HFMXR0235NBC	GASOLINE - TIER 2 UNLEADED	0.035	0.20	*	*	*	*	*	*	*
: not applicable; # DT<6000#GVWF 3500#ALVW; MDV duty passenger ve emission limit; GV JLEV: ultra LEV; \$ TZEV: transitional catalyst; NAC: NO NH3OC: ammonia ilter for spark-ignit NOXS: NOx sense EGRC: EGR coole uel injection; DFI/ ines on-board dia suffix: series; CNG 50: "10%" ethance continuously varial	R,3751-5750#L /: medium-duty hicle; HDV: he WR: gross veh SULEV: super ZEV; TWC/OC x adsorption cata ted engine; HC or; PMS: PM se er; AIR/AIRE: s IFI: direct/indire gnostic; DOR: S/LNG: compre- ol ("90%"gasoli	VW; LD y vehicle eavy-duty nicle weig ULEV; Z C: 3-way/ atalyst; CT 22S/O2S ensor; RI secondar ect fuel in direct oz	T3: LDT ; MDV4: vehicle; pht rating EV: zerc voxidizing CR-U or OX/PTO2 : heated DQS: rec y air inje njection; cone redu	6001-8500#GVW MDV 8501-10000 ECS: emission of catalyst; ADSTV SCRC/SCR-N of X: continuous/per (oxygen sensor; V ductant quality se ction (belt driven) TC/SC: turbo/sup ucing; HCT: hydro itural gas; LPG: li	/R,3751-57 0#GVWR; I control syste ahicle weigh a; PZEV: pa WC: adsorb or SCRC-NH riodic trap of WR-HO2S of NR-HO2S of nsor; NH3S W(electric dr per charger ocarbon traj quefied pet	50#ALVW; MDV5: MD em; CERT: ht; ALVW: a artial ZEV; ing TWC; I H3: selectiv oxidizer; DF or AFS: wid S: ammonia riven); PAII r; CAC: cha p; BCAN: b troleum gas	LDT4: LDT V 10001-14 certificatio adjusted LV AT PZEV: a HAC: HC ac ve catalytic PF: diesel p de range/lin a sensor; EC R: pulsed A arge air coo bleed carbo s; E85: "855	F 6001-850 1000#GVV n; STD: st W; LEV: I advanced dsorbing c reduction- articulate ear/heate GR: exhau IR; SFI/MI ler; F/P/\$: n canister %" ethano	00#GVWR,5 VR; MDPV: r andard; FEL ow emission technology F atalyst; WU: urea/ammor filter (active) d air-fuel rati st gas recirc FI: sequentia full/partial/p ; prefix 2: pa l ("15%"gasc	751- nedium- .: family vehicle; PZEV; warm-up nia; ; GPF: PM o sensor; culation; al/multiport artial with rallel; (2) sline) fuel;

California Environmental Protection Agency

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2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
FORD	F150 2.7L 2WD GVWR>6649 LBS	LDT3	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 2.7L 2WD GVWR>6649 LBS	LDT3	2.7	SA6	HFMXR0235NBC	1	₽	*
FORD	F150 2.7L 2WD GVWR>6649 LBS	LDT4	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 2.7L 2WD GVWR>6649 LBS	LDT4	2.7	SA6	HFMXR0235NBC	1	₽	*
FORD	F150 2.7L 4WD GVWR>6649 LBS	LDT3	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 2.7L 4WD GVWR>6649 LBS	LDT3	2.7	SA6	HFMXR0235NBC	1	P	*
FORD	F150 2.7L 4WD GVWR>6649 LBS	LDT4	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 2.7L 4WD GVWR>6649 LBS	LDT4	2.7	SA6	HFMXR0235NBC	1	P	*
FORD	F150 2WD BASE PAYLOAD LT TIRE	LDT3	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 2WD BASE PAYLOAD LT TIRE	LDT3	2.7	SA6	HFMXR0235NBC	1	P	*
FORD	F150 4WD BASE PAYLOAD LT TIRE	LDT3	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 4WD BASE PAYLOAD LT TIRE	LDT3	2.7	SA6	HFMXR0235NBC	1	Р	*
FORD	F150 PICKUP 2WD	LDT3	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 PICKUP 2WD	LDT3	2.7	SA6	HFMXR0235NBC	1	P	*
FORD	F150 PICKUP 4WD	LDT3	2.7	SA6	HFMXR0160ABC	1	P	*
FORD	F150 PICKUP 4WD	LDT3	2.7	SA6	HFMXR0235NBC	1	P	*