California Environmental Protection Agency

OB Air Resources Board

FORD MOTOR COMPANY

Executive Order: A-010-1901

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.

		1			TEST GROUI	P INFOR	MATION					
MODEL YEAR	TES1	GROU	IP	VEHICL	E CLASS(ES)	CLASS(ES)		ATEGORY	FUEL TYPE			
2016 GFMXD06.761B			1B		MDV4			SINGLE FUEL	DIESEL			
US	EFUL LI	FE (mile	es)	VEHI	CLE EMISSIO	N CATE	GORY	INTERIM / IN	TERMEDIA	TE IN-USE STD		
EXH/ORVR EVAP				FTP			TP	FTP		SFTP		
1200	000		*	LEV2	2 ULEV *			*	*			
SPECI	AL FEAT	URES	SYSTEMS		N CONTROL		OBD ST	TATUS	ENGINE	DISPLACEMENT (L)		
TC, CAC, DFI, EGR, EGRC, OC, PTOX, SCRC, NOXS							FULL	L *				
*			*			F	PARTIAL *			6.7		
*			*			PAF	RTIAL WITH	ALL MODELS				
			EVAPO	RATIVE & F	REFUELING (E	VAP/OF	RVR) FAMILY	INFORMATIO	N			
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR							EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
*					*		*			*		
				E	MISSION CRE	DIT INF	ORMATION					
ALLOWANCE FOR TEST GROUP							NMOG CREDIT FOR NMOG CR			OPTIONAL EXH		
BASELINE PZEV AT PZEV					TZEV	NON-PZ	ZEV ZERO-E	VAP D	OR	TRUCKS		
* *					*		N N		N	N		
				NMOG	AND FLEET A	VERAG	E INFORMAT	TION				
NMOG R	DC DAE CUADAE		MOG/NMHC RATIO HCHO/NMH		C RATIO	PC+LDT	OX FLEET STD (0-3750 LVW) (g/mi)	NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)				
* * *				*	*		*			*		

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 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 listed vehicle models has been determined to have four deficiencies. The listed vehicle models are approved subject to the manufacturer paying a fine of \$75 per vehicle for the third through fourth deficiencies for vehicles in the listed test group that are 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 2016 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 \$5000 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 _______ day of May 2015.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

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							A	TTAC	HMI	ENT						
	EXH									4 44 4			FICATION		3	
		EXH											FET, 50°F, 2			
	Fl	FUEL TYPI		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												
				NMHC (g/mi)		CO (g/mi)			NOx (g/mi)			HCHO mg/mi)		PM (g/mi)		
				CERT	STD	0	CERT	STD	1	CERT	STD	CER	STD	CERT	STD	
FTP@5	OK	*		*	*		*	*		*	*	*	*	*	*	
FTP@L	TP@UL DIESEL-EPA		EPA	0.054	0.1	43	0.3	6.4		0.2	0.2	7.4	16	0.01	0.06	
50°F @	4K	*		*	*		*	*		*	*	*	*			
	-				FUEL	TVDI	-				NOx (g/mi)		CO (g/mi)	
	F				FUEL	ITF	-			CE	CERT		CEF	₹T	STD	
HWFET @ 50K				. *						*		*		ge, with	er er er ege	
HWFET @ UL DIESEL-EPA					'A		0.1		0.4							
20°F	@ 50K				1	,									*	
				SFTP E	KHAUST	EMI	SSION	STANDA	ARDS	AND CI	ERTIFIC	ATION LE	VELS			
ITE						U	JS06			SC03			C	COMPOSITE		
	FUEL	UEL TYPE		NMHC+NOx (g/mi)			CO PM (g/mi) (mg/r		-	NMHC+NOx (g/mi)		CO (g/mi)	NMHC+NO (g/mi)	x CO (g/mi)	PM (mg/mi)	
6 416			CER	T	*		*			*		*			4	
@ 4K			STE		*		* 100			1		*			1.5	
		CE		т *		* *			*		*	. *	*	*		
@ UL		* S1			*		*	*		*		*	*	*	*	
			BIN	311/15	1				i				.*	1.44	3 2.1	
		W	HOLE	VEHICL	E EVAP	ORA	TIVE EN	MISSION	STAI	NDARD:	S AND C	ERTIFIC	ATION LEVE	LS		
			,			WH	HOLE VI	EHICLE	EVAP	ORATI	E TEST	ING				
EVAPORATIVE FUE		FUEL	TYPE 3DHS (S (g	y/test) @ UL			2DHS (g/test)		@ UL	F	RL (g/mi) @			
				CERT		S	TD FEL		CE	RT	STD	FEL	CE	RT	STD	
	*		*		*		*	*			*	*	1		*	
(DRVR /	FUEL	ONLY	/ CANIS	TER BL	EED	EVAPO	RATIVE	EMIS	SSION S	TANDA	RDS AND	CERTIFICA	TION LEV	ELS	
EVAPORATIVE FAMILY		VE	ORVR (g/gallon) @ UL				3		30	HS RIG TEST		2DHS	RIG TEST	BLEED CANISTER		
							FUEL TYPE			g/test) (st) @ UL		est) @ 4K	
		F		TYPE CERT STD					-	ERT STD		CERT	STD	CERT	STD	
	*		*		*	*		*		*	*	*	*	*	*	

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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: .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; 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 sparkignited 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; E85: "85%" ethanol ("15%"gasoline) fuel; E10: "10%" ethanol ("90%"qasoline) 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

2016 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
FORD	F250 2WD BED DELETE DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F250 4WD BED DELETE DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F250 PICKUP 2WD DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F250 PICKUP 4WD DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F350 2WD BED DELETE DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F350 2WD DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F350 4WD BED DELETE DIESEL	MDV4	6.7	SA6	*	1	\$	*
FORD	F350 4WD DIESEL	MDV4	6.7	SA6	*	1	\$	*