		Executive Order: A-010-1982
California Environmental Protection Agency	FORD MOTOR	New Passenger Cars, Light-Duty Trucks and
All Deseuress Board	COMPANY	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	- I T F	EST G	ROUP		VEF	ICLE CLASS(E	S)		FUEL CATEGORY				FUEL TYPE		
2017	HF	MXT02	. 52K9			LDT2			DEDICATED SINGLE FUEL VEHICLE				GASOLINE		
ι	JSEFUL	LIFE	(miles)			EHICLE EMISS	ION C	CATE	GORY	1	NTERIM / IN	TE	RMEDIA	TE IN-USE STD	
EXH	/ORVR		EVAP			FTP		S	FTP		FTP		SFTP		
15	0000		150000		LE	V3 ULEV125	LEV	3 (COMPOSITE		PM			PM	
SPE	CIAL FE	ATUR		HAUS ⁻ TEMS		SION CONTRO	L		OBD	STA	rus		ENGINE	DISPLACEMENT (L)	
1	Т	WC (2)	, WR-HO)2S, I	HO2S,	EGR, SFI			FULL		*	1			
*	*								PARTIAL	A	LL MODELS		2.5		
*		*						PA	RTIAL WITH	1	*				
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION															
EVA	P / ORV	RFAN	MLY	EVAP	ORAT	IVE STD CATE	GOR	1	EVAP EMISSION STD VEHICLE CLASS SPECIAL FE				L FEATURES		
н	IFMXR01	30NDE	7	LE	νзо	PTION2 WITH I	FEL	LDT2 HCT					HCT		
						EMISSION C	REDI	T INF	ORMATION						
	А	LLOW	ANCE FO	OR TES	ST GR	OUP			G CREDIT F					OPTIONAL EXH. STD FOR WORK	
BASE	ELINE PZ	ZEV	AT	PZEV		TZEV		JIN-F	ZEV ZERO-	EVA		J	`	TRUCKS	
	* * *								N		1	N		N	
					NM	IOG AND FLEET	AVE	RAC	GE INFORM		N				
NMOG RAF	INMOG/NMHC PC+LDT /0-3750 LVW						/W) LD1	(37	OX FLEET S 51 LVW-8500 MDPV (g/m)	MDV	NMOG+NOX FLEET STD MDV (10001-14000 GVWR) (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.

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],

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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 <u>13</u> day of June 2016.

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

California Environmental Protection Agency

OB Air Resources Board

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ATTACHMENT	AT	TA	C	HI	ME	NT	•
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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

FUEL TYPE

-			NMOG (g/i			O mi)		Ox mi)	HC (mg	HO /mi)	PM (g/mi)	
1			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K		*	*	*	*	*	*	*	*	*	*	*
FTP@UL	RE GASO RVI	R 3 E10 GULAR LINE (9 P @LOW LT.)	0.0479	0.125	0.77	2.1	*	*	*	4	*	0.003
50°F @4K		*	*	*	*	*	*	*	*	*		
· · ·	794				-		NA	OG+NO	x (g/mi)		CO (g/m	i)
	-			FUEL TYP	E		CE	RT	STD	CER	T	STD
HWFET @	0 50K			*			1	•	*			
HWFET (DUL	TIER 3	E10 REGU	LAR GASC ALT.)	LINE (9	RVP @LOW	0.0	409	0.125	1. 1. A. 1. A. 1.		
20°F @	50K	COLD C	0 E10 RE	GULAR GA	SOLINE	(TIER 3)	GN	1.2	- main	1.7	5	12.5
			SFTP EXH	AUSTEN	ISSION S	TANDARD	AND CI	ERTIFICA	TION LEVE	LS		
-c -)					1000		T	0000	T	00	NIDOOIT	-

*C)			1		US06			SC03	3	CON	POSITE		
	FUEL TYP	PE		NMOG+NO (g/mi)	x CO (g/mi		M NM J/mi)	lOG+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi	
@ 4K	*		CERT	*	*	-n -s		*	*				
@		1	STD	*	*		315	*	*		1 1		
			CERT	*	*		*	*	*	0.0466	2.00	*	
@ UL	TIER 3 E REGULAN GASOLINE RVP @LO ALT.)	R (9	STD	*	*	1	.0	*	ŧ	0.103	4.2	*	
		t	BIN			-	-		-	0.110	1	1	
	1	WHO	OLE VE	HICLE EVAP	ORATIVE	EMISSION	STANDA	RDS AND	CERTIFIC	ATION LEVELS	3		
					WHOLE	VEHICLE	EVAPORA	TIVE TES	TING				
	ORATIVE	FL	JEL TY	PE 3DI	HS (g/test)	@ UL	20	HS (g/test) @ UL	RL	RL (g/mi) @ UL		
			CERT	STD	FEL	CERT	STD	FE	L CERT		STD		
HFMXI	R0130NDF	GAS	ER 3 E REGULAI SOLINE VP @ LO	R (9 0.1834	0.400	0.400	0.1434	0.400	0.4	00 0.000)	0.05	

California Envi				FORD N COMP		N		nger Cars, I	er: A-010-1 Light-Duty T Medium-Dut Pa	Frucks and	
ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS											
FUEL ONLY EVAP & CANISTER BLEED											
EVAPORATIVE FAMILY	ORVR (g/g	gallon) @	DUL	FUEL TYPE		IG TEST) @ UL		IG TEST) @ UL		ANISTER est) @ 4K	
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD	
HFMXR0130NDF	TIER 3 E10 PREMIUM GASOLINE (10 RVP- FFV ORVR ONLY)	0.032	0.20	TIER 3 E10 REGULAR GASOLINE (9 RVP @ LOW ALT.)	*	*	*	*	0.0095	0.020	
*: not applicable; # LDT<6000#GVWR 8500#ALVW; MDV duty passenger ve emission limit; GV ULEV: ultra LEV; S TZEV: transitional catalyst; NAC: NO NH3OC: ammonia filter for spark-ignit	R,3751-5750#L /: medium-duty hicle; HDV: he WR: gross veh SULEV: super ZEV; TWC/OC x adsorption cata	VW; LD ¹ v vehicle; avy-duty icle weig ULEV; Z C: 3-way/ atalyst; S lyst; CT(T3: LDT MDV4: vehicle: ht rating EV: zerc oxidizing CR-U o DX/PTO	6001-8500#GVW MDV 8501-1000 ECS: emission of ; LVW: loaded ve -emission vehicle g catalyst; ADSTV SCRC/SCR-N of X: continuous/pel	/R,3751-57 0#GVWR; I control syste whicle weigh a; PZEV: pa WC: adsorb or SCRC-NH riodic trap of	50#ALVW; MDV5: MDV em; CERT: ht; ALVW: a artial ZEV; / ing TWC; H H3: selectiv oxidizer; DP	LDT4: LDT V 10001-14 certificatio adjusted LV AT PZEV: a HAC: HC ac e catalytic PF: diesel p	F 6001-850 000#GVW n; STD: sta W; LEV: lo advanced te dsorbing ca reduction-u articulate fil	0#GVWR,5 R; MDPV: r Indard; FEL w emission echnology F talyst; WU: rea/ammor lter (active)	751- nedium- : family vehicle; PZEV; warm-up nia; ; GPF: PM	

Ther for spark-ignited engine; HO2S/O2S: heated/oxygen sensor; WK-HO2S of AFS: wide range/intear/heated all-luer 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%"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	TRANSIT CONNECT VAN 2WD	LDT2	2.5	SA6	HFMXR0130NDF	1	P	*
FORD	TRANSIT CONNECT WAGON FWD	LDT2	2.5	SA6	HFMXR0130NDF	1	P	*
FORD	TRANSIT CONNECT WAGON LWB FWD	LDT2	2.5	SA6	HFMXR0130NDF	1	₽	*