

Executive Order: A-010-2177

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

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Pursuant to the authority vested in California 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: That 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													
MOD		EST GROUP		VEHIC	/EHICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE		
201	9 K	FMXT03.03DZ		LD	T3, LDT4		DEDICATED SINGLE FUEL VEHICLE			1	DIESEL		
	USEFU	L LIFE (miles)	VEHICLE EMISSION CATEGORY					INTERIM / INTERMEDIATE IN-USE STD					
EXH/ORVR EVAP					FTP S			SFTP FTP			SFTP		
150000 *			LEV3	LEV160 LEV 3 COM			OMPOSITE	OSITE PM		PM			
SPECIAL FEATURES & EXHAUST EMISSION CONTRO SYSTEMS								OBD S	BD STATUS		ENGINE DISPLACEMENT (L)		
1 TC, DFI, CAC, EGR, EGRC, OC, DPF, SCRC NOXS(2), RDQS								FULL	*				
*						Р	ARTIAL	*		3.0			
*						1	PARTIAL WITH ALL MODEL		3	-			
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION												
EV	EVAP / ORVR FAMILY EVAPORATIVE					IVE STD CATEGORY			SSION STD E CLASS	s	SPECIAL FEATURES		
	+	•		*			*			*			
	EMISSION CREDIT INFORMATION												
	REDIT F	OX FLEET AVE OR EXTENDED RRANTY	NMOG CREDIT FOR NON-PZEV ZERO-EVAP				NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS			
		N		N			N			И			
NMOG AND FLEET AVERAGE INFORMATION													
NMO(NIMO(2/NIMHC)			HO/NMHC RATIO	DC-11 D1 70-3750 1 V					0	MDV (10,001-14,000		
*	*	*		*	0	.072		0.083			*		

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. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



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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 fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961.2(c)(3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV 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 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 system of the listed vehicle models has been determined to have six deficiencies. The listed vehicle models are approved subject to the manufacturer paying a fine of two hundred dollars (\$200) per vehicle for the third through sixth deficiencies in the listed test group that is 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 2019 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 \$37,500 per violation 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 November 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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							АТ	TAC	НМ	ENT	12.	í.					
	EXH	AUS.	ΓΑΝΕ	EVAF	ORA	TIVE	EMISS	SION	IATE	NDAR	S AND	CER	TIFIC	ATION	LEVEL	S	
		EXH	AUSŢ	EMISSIC	ON ST	ANDA	RDS AN	D CER	TIFIC	ATION L	EVELS (FTP, H	WFET	, 50°F, 20	°F)		
	FUEL TYPE			CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RAF: rea adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: runnir ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milligram; 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental FTP									AF: react : running ligram; m	ivity Ioss;			
	9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1		NMHC+NOx (g/mi)		CO (g/mi)			NOx (g/mi)			HCHO (mg/mi		- 1		
			F	CERT		TD	CERT	STI		CERT	STD	CE	RT	STD	CERT	STD	
FTP@5	P@50K *			*		*	*	*		*	*	*		*	*	*	
FTP@L	JL DIE	SEL-	EPA	0.152	0.3	160	0.1	4.2	2	*	*		*	4	0.001	0.003	
50°F @	4K	*		*		*	*	*		*	*	-	*	*			
				FUEL TYPE						NMHC+NOx (g/mi					CO (g/mi)		
								CERT		ST	D	CERT		STD			
HWFE.	T @ 50K					*				*		*					
HWFE	T @ UL				DIESE	EL-EI	?A			0.0	0.052		0.160				
20°F	@ 50K			*										*		*	
			5	FTP EX	HAUS	TEM	ISSION S	TAND	ARDS	AND C	ERTIFIC	ATION	LEVE	LS			
				US06						SC03				COMPOSITE			
	FUEL 1	EL TYPE			NMHC+NOx (g/mi)		CO PM (g/mi) (mg/mi)			NMHC+NOx (g/mi)		CO (g/mi)	NMHC+NOx (g/mi)		CO (g/mi	PM (mg/mi)	
@ 4K	*		CERT	* *			*				* *						
					*		*				*						
		CI ESEL-EPA S				*		1			*	*	0.134		0.1	*	
@ UL	DIESEL				*	INC. INC. BASIS	*	-	6		*	*	0.090		4.2	*	
			BIN		LE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS												
		- VVI	HOLE V	EHICLE	EVAF								CATIC	N LEVEL	.S		
EVAPORATIVE		Εĺ.		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	WHOLE VEHICLE EVAP								RL (g/mi) @ UL			@ UL	
	FAMILY		FUEL TYPE		3DHS (g/test) @ U						2DHS (g/test) (CERT		
*		-	*		CERT			FEL *	-	RT			FEL		T	STD	
		IIEI		CANIS.		LEED	* EVADO					DDS AI	*	RTIFICAT	ION LEV	/EL C	
	JKVK / F	UEL	ONLY	CANIS	IEK B	LEED	EVAPO	KATIVE						R BLEED		/ELS	
EVAPORATIVE FAMILY		E	ORVR	(g/gallo	on) @ UL		3D		HS RIG TEST g/test) @ UL		2DHS RIG 7 (g/test) @		TEST BLEED C		ANISTER		
		FUEL		PE CE	RT :	STD	1022	. 022 1112		ERT	STD	CER		STD	CERT	STD	
	*		*		·	*	*			*	*	*		*	*	*	
		EFI	ECTI	VE LEA	K DIA	MET	ER STA	NDAR	DAN	ID CER	TIFICA	TION L	EVEL	(INCHE	S)		
EVAF	EVAPORATIVE FAMILY LEA					FAMII	LY		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: 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; ŽEV: zero-emission vehicle; 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: semi-automatic transmission; CV: continuously variable transmission; SCV: selectable continuously variable transmission; AM: automated manual transmission; AMS: automated manual-selectable transmission; OT: other transmission; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

2019 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
FORD	F150 2WD	LDT3	3.0	SA10	*	1	\$
FORD	F150 2WD	LDT4	3.0	SA10	*	1	\$
FORD	F150 2WD BASE PAYLOAD LT TIRE	LDT3	3.0	SA10	*	1	\$ -
FORD.	F150 2WD BASE PAYLOAD LT TIRE	LDT4	3.0	SA10	*	1	\$
FORD	F150 4WD BASE PAYLOAD LT TIRE	LDT3	3.0	SA10	*	1	\$
FORD	F150 4WD BASE PAYLOAD LT TIRE	LDT4	3.0	SA10	*	1	\$
FORD	F150 PICKUP 4WD	LDT3	3.0	SA10	*	1	\$
FORD	F150 PICKUP 4WD	LDT4	3.0	SA10	*	1	\$
FORD	F150 PICKUP 4WD XL/XLT	LDT3	3.0	SA10	*	1	\$