

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.

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MODE	г ти	EST GROUP	ь.);	VEHIC	LE CLASS(E	S)	er en en	FUEL C	ATEGORY	- 44 2007	FUEL TYPE			
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	USEFUL	LIFE (miles)	hara a	VEH	ICLE EMISS	ION C	ATEC	ORY	INTERIM / INT	ER	MEDIATE IN-USE STD			
EXH	I/ORVR	EVAP	1999 () 1999 ()		FTP	Teel 1	SF	rp	FTP	1. ⁵⁴	SFTP			
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	5. J	E	VAPO	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL						
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				E	EMISSION C	REDIT	INFC	RMATION						
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY							ZEV	NMOG C	REDIT FOR DOP	OPTIONAL EXH. STD FOR WORK TRUCKS				
		N			N			N N						
				NMOG	AND FLEE	T AVE	RAGE	INFORMA	TION					
NMOG CH4 FTP PAE PAE NMOG/NMHC HCHO/NMHC PC+LDT (0-3750 LVW) L) LDT	+NOX FLEET S1 (3751 LVW-8500 R) + MDPV (g/mi		NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)				
*	*	1.10		*	C	0.065			0.074		*			

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).

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 2019.

Allen Lyons, Chief Emissions Compliance, Automotive Regulations and Science Division

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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

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*: not applicable; #: pour LDT<6000#GVWR,3751 8500#ALVW; MDV: mec duty passenger vehicle; emission limit; GVWR: g ULEV: ultra LEV; SULEV ADSTWC: adsorbing TV SCRC/SCR-N or SCRC- continuous/periodic trap heated/oxygen sensor; N RDQS: reductant quality secondary air injection (direct/indirect fuel injecti fines on-board diagnosti suffix: series; CNG/LNG E10: "10%" ethanol ("90 continuously variable tra automated manual-select hybrid electric vehicle; N some/select models	I-5750#LVW; LDT3 dium-duty vehicle; N HDV: heavy-duty v pross vehicle weigh V: super ULEV; ZE VC; HAC: HC adso -NH3: selective cat oxidizer; DPF: dies /VR-HO2S or AFS: / sensor; NH3S: am belt driven)/(electric ion; TC/SC: turbo/s ic; DOR: direct ozo % "gasoline) fuel; A ansmission; SCV: s ctable transmission	3: LDT 6001-8500 MDV4: MDV 8501 vehicle; ECS: emi- t rating; LVW: loa V: zero-emission rbing catalyst; WI alytic reduction-u sel particulate filte wide range/linear monia sensor; E- c driven); PAIR: p uper charger; CA ne reducing; HCT afied natural gas; automatic (with electable continu- t OT: other transr	HGVWR,3751- I-10000#GVWF ssion control sy ided vehicle we vehicle; TZEV: U: warm-up cat rea/ammonia; N er (active); GPF r/heated air-fue GR: exhaust ga bulsed AIR; SFL GC: charge air c C: charge air c C: charge air c C: charge air c Dulsed AIR; SFL HG: liquefied lockup); M: ma ously variable t mission; AER; a	5750#ALVW; LD R; MDV5: MDV 10 ystem; CERT: cer sight; ALVW: adju- transitional ZEV; alyst; NAC: NOX NH3OC: ammonia F: PM filter for spa aratio sensor; NC as recirculation; E /MFI: sequential/r pooler; FFH: fuel fi trap; BCAN: blee petroleum gas; Ei nual transmission; AM: all-electric range;	14: LDT 6001-8500#C 2001-14000#GVWR; I trification; STD: standa sted LVW; LEV: low e , TWC/OC: 3-way/oxic adsorption catalyst; S a oxidation catalyst; C ark-ignited engine; HO DXS: NOx sensor; PM EGRC: EGR cooler; AI multiport fuel injection ired heater; F/P/\$: full d carbon canister; pre 85: "85%" ethanol ("19 n; SA: semi-automatic : automated manual tr EAER: equivalent AE	MDPV: mu ard; FEL: emission v dizing cata CR-U or TOX/PTC 02S/02S: S: PM ser IR/AIRE: (; DFI/IFI: /partial/pa fix 2: para 5%"gasoli transmissio cansmissio cR; PHEV:	on- edium- family vehicle; alyst; DX: nsor; artial with allel; (2) ine) fuel; sion; CV: on; AMS:
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