

Executive Order: A-014-1039

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 GR	OUP IN	IFORI	MATION				
MODE		ST GROUP	- 5	VEHIC	LE CLASS(ES)		FUEL C	ATEGORY		FUEL TYPE	
2020	LT	YXT02.0K6M			LDT2		1	DEDICATED SINGLE FUEL VEHICLE		CASOLT		
	USEFUL	LIFE (miles)		VEH	ICLE EMIS	SION C	ATEC	ORY	INTERIM / IN	TE	RMEDIATE IN-USE STD	
EXH	/ORVR	EVAP			FTP	-	SF	ГР	FTP		SFTP	
. 15	0000	15000	0	LEV3	ULEV125	LEV	3 CC	MPOSITE	PM	:- '	PM	
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS OBD S						TATUS	Age and	ENGINE DISPLACEMENT (L)				
1	1 DFI, SFI, WR-HO2S, TWC(2), HO2S, TC, CAC							FULL	ALL MODELS			
*	* *						Р	ARTIAL	*	2.0		
*	* *							TIAL WITH	. *	*		
<u> </u>		Е	VAP	ORATIVE &	REFUELING	G (EVA	P/OR	VR) FAMILY	INFORMATION	V		
EVA	P / ORV	R FAMILY	EV	APORATIVE	STD CATE	GORY			SSION STD E CLASS		SPECIAL FEATURES	
I	TYXR01	32A82	-	LEV 3	OPTION2		LDT2			HCT		
				. [EMISSION C	REDIT	INFO	RMATION				
	EDIT FO	X FLEET AVE. OR EXTENDED RRANTY			EDIT FOR I		ZEV	EV NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS	
		N			N				N		N	
			-	NMOG	AND FLEE	TAVE	RAGE	INFORMA	TION			
NMOG RAF	CH4 RAF	FTP NMOG/NMHO RATIO	H	CHO/NMHC RATIO NMOG+NOX FLE PC+LDT (0-375 (g/mi)						0	NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)	
*	*	1.10		0.023		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

COLD FACELY THE COLD WINDOWS TO GET 1 144 CO.

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. HWEET 50°F 20°F)

271117100	TEMPORAL PRINCES AND SERVIN TOATION ELVELS (111, 1111 E1, 00 1, 20 1)	
	CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 HC; CO: carb	or

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		C (g/i		N((g/			HCHO (mg/mi)		PM (g/mi)	
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
FTP@50K	*	*	*	*	*	*	*	*	*	*	*	
FTP@UL	GASOLINE- LEV3 E10 PREM	0.0396	0.125	0.31	2.1	1 . *	*	*	4	****	0.003	
50°F @4K	*	*	d * 189	* * * * * * * * * * * * * * * * * * * *	* *	*	*	*	* * *		12/6/03/11	

	FUEL TYPE	NMOG+N	lOx (g/mi)	CO (g/mi)		
	FUEL TIPE	CERT	STD	CERT	STD	
HWFET @ 50K	1	*	*		THE SECTION SE	
HWFET @ UL	GASOLINE-LEV3 E10 PREM	0.0221	0.125	学录录系		
20°F @ 50K	COLD CO E10 PREMIUM GASOLINE (TIER3)			0.86	12.5	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

			48184	US06	4.4	SC03	3 1	COMPOSITE		
	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	*	*	*	*	*	0.0510	0.38	*
@ UL	GASOLINE- LEV3 E10 PREM	STD	*	. *	6	*.	*	0.083	4.2	*
×		BIN					· 中国 (1977)	0.080		

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

			WHOLE \						
EVAPORATIVE FAMILY	FUEL TYPE	3DHS (g/test) @ UL			2DHS (g/test) @ UL			RL (g/mi) @ UL	
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD
LTYXR0132A82	GASOLINE- TIER3 E10 PREM	0.0909	0.400	*	0.0680	0.400	*	0.004	0.05

ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

					FUEL ONLY EVAP & CANISTER BLEED							
EVAPORATIVE FAMILY	ORVR (g/gallon) @ UL			FUEL TYPE	3DHS RIG TEST (g/test) @ UL		2DHS RIG TEST (g/test) @ UL		BLEED CANISTER TEST (g/test) @ 4K			
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD		
	LTYXR0132A82	GASOLINE- TIER3 E10 PREM	0.001	0.20	GASOLINE- LEV3 E10 PREM	*	*	*	*	0.0113	0.020	



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EFFECTIV	E LEAK DIAMETER STA	NDARD AND CERTIFICATION LE	EVEL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
LTYXR0132A82	LTYXR0132A82-001	Transaction of the first state	0.02

*: 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; ZEV: 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

2020 MODEL	YEAR:	VEHICLE	MODELS	INFORMATION
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MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH	OBD
LEXUS	NX 300	LDT2	2.0	SA6	LTYXR0132A82	1	F
LEXUS	NX 300 AWD	LDT2	2.0	SA6	LTYXR0132A82	1	F
LEXUS	NX 300 AWD F	LDT2	2.0	SA6	LTYXR0132A82	1	F