

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-19-095;

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	FORMA	TION					
MODE	- I T	EST GROUP	VEHIC	HICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE		
2020	LI	YXV02.0M5A		PC				SINGLE FUEL HICLE		GASOLINE		
I	USEFUL	LIFE (miles)	VEH	ICLE EMIS	SION C	ATEGOR	RY	INTERIM / INT	ERME	EDIATE IN-USE STD		
EXH	/ORVR	EVAP	15 14 A.A.B. (15)	FTP	1	SFTP		FTP		SFTP		
15	0000	150000	LEV3	ULEV70	LEV	3 COMP	OSITE	NMOG+NOX AND	PM	PM		
SPE	CIAL FE	EATURES & EXI	AUST EMISSIO	ON CONTRO	OL		OBD S	TATUS	ENG	GINE DISPLACEMENT (L)		
1	DFI,	SFI, WR-HO2S	, TWC(2), HO	2S, TC, C	AC	FULL		*				
*	*						TIAL	ALL MODELS	2.0			
*						PARTIAL WITH *		*				
	110	EV	APORATIVE &	REFUELIN	G (EVA	P/ORVR	FAMIL	INFORMATION		and the Barry Station of		
EVA	P/ORV	R FAMILY	EVAPORATIVE	E STD CATE	EGORY			SSION STD E CLASS	SPI	ECIAL FEATURES		
L	TYXROI	L65P12	L	EV 2			PC			HCT		
				EMISSION O	CREDIT	INFORM	ATION					
	EDIT FO	OX FLEET AVE. OR EXTENDED RRANTY		REDIT FOR	DIT FOR NON-PZEV		NMOG CREDIT FOR DOR			OPTIONAL EXH. STD OR WORK TRUCKS		
		N		N		N				N		
			NMOG	AND FLEE	T AVE	RAGE IN	FORMA	TION				
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	HCHO/NMHC RATIO				LDT	+NOX FLEET ST (3751 LVW-8500 R) + MDPV (g/mi)	1	IOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	0.011		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.)



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 listed vehicle models are certified conditionally on the manufacturer providing evaporative emissions data with E10 certification gasoline as required by Part III.F.2 of the California Evaporative Emission Standards and Test Procedures for 2001 and Subsequent Model Motor Vehicles (Amended: September 2, 2015). This data must be submitted within 90 days from the date of this Conditional Executive Order as described in the manufacturer's request for Conditional Executive Order dated August 9, 2019.

Failure to provide the above data within the stipulated time, or failure of the data to be approved by the California Air Resources Board may be cause for the Executive Officer to rescind this conditional certification, in which case all vehicles covered under this conditional certification 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 25th day of September 2019.

Allen Lyons, Chief Emissions Certification and Compliance Division



FUEL TYPE

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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

C. Sanaka M. C.			1.								Sec. Sugar		
			NMOG+NOx CO (g/mi) (g/mi)			NOx (g/mi)		HO /mi)	PM (g/mi)				
REAL			CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
FTP@50K	3.52	*	*	*	*	*	*	*	*	*	*	*	
FTP@UL	TIE	OLINE- R3 E10 PREM	0.0234	0.070	0.15	1.7	*	*	*	4	0.0019	0.003	
50°F @4K	10.11	*	*	*	*	*	*	*	*	*	TOAT STATE	S. Pageslore	
	1. 1. 1.				-		NN	NMOG+NOx (g/mi)			CO (g/mi)		
		1	tila des	FUEL TYP	E		CE	RT	STD	CEF	RT	STD	
HWFET @ 50K		*							*	A.C.	ASAN CA	1. spice	
HWFET @ UL		GASOLINE-TIER3 E10 PREM					0.0	092 0.070		rear		C. A. Kanta	
20°F @ 50K		COLD CO E10 PREMIUM GASOLINE (TIER3)								1.4	15	10.0	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

- "你		110.34	a constant		US06			SC03	3	CON	POSITE	
	FUEL TYP	PE	90 ·····	G+NOx /mi)	CO (g/mi)	Pl (mg	M /mi)	NMOG+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi
@ 4K	*	CER	r	*	*			*	*			
	S			*	*			*	*			No. 1
@ UL	2	CER	Г	*	*	0.	. 8	*	*	0.0277	0.62	*
	GASOLINE TIER3 E1 PREM			*	*		6	*	*	0.083	4.2	*
		BIN			0.060		0.060	Ne de M				
1.30		WHOLE	EHICLE	EVAPO	RATIVE E	MISSION	STAN	DARDS AND	CERTIFIC	ATION LEVELS	5	
		Ľ			WHOLE V	EHICLE	EVAPO	RATIVE TES	TING		- 11	
EVAPORATIVE		FILE TYPE		3DHS (g/test) @ UL				2DHS (g/test	RL	RL (g/mi) @ UL		
			T	CERT	STD	FEL	CER	T STD	FE	L CERT		STD
LTYXR0165P12		GASOLI TIER UNLEA	2 0	0.257	0.50	*	*	0.65	*	0.005		0.05

		NISTED	RIEED	EVAPORATIVE	EMISSION	STANDA	PDS AND	CERTIFIC	ATION LEV	FIG
ORVIRITO			DLLLD				P & CANIS			
EVAPORATIVE FAMILY	ORVR (g/g	gallon) @	DUL	FUEL TYPE	3DHS RIG TEST (g/test) @ UL 2DHS RIG TEST BLEED CA (g/test) @ UL TEST (g/test)					
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD
LTYXR0165P12	GASOLINE - TIER 2 UNLEADED	0.014	0.20	*	*	*	*	*	*	*

CALIFORNIA AIR RESOURCES BOARD

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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)									
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD						
	*	the second second second	tand an a tank						

*: 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; HP/LP EGR: High/Low Pressure EGR; 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; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); 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

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
LEXUS	IS 300	PC	2.0	SA8	LTYXR0165P12	1	P
LEXUS	RC 300	PC	2.0	SA8	LTYXR0165P12	1	P