

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 INF	ORM	ATION					
MODEL	- 1 - 16	ST GROUP	3 Z .	VEHICL	E CLASS(E	ES)		FUEL C	ATEGORY		FUEL TYPE		
2020	LT	YXT03.5M5M			LDT2		D		SINGLE FUEL	GASOLINE			
. L	JSEFUL	LIFE (miles)	-175	VEHI	CLE EMIS	SION CA	ATEGORY INTERIM / INTE			TEF	RMEDIATE IN-USE STD		
EXH	/ORVR	EVAP	a '	the second s	TP		SFT	P	FTP	23	SFTP		
15	0000	150000) <u>al</u>	LEV3	ULEV70) LEV 3 CC		POSITE	***	3	PM		
SPE	CIAL FE	ATURES & EX	HAU			DL		OBD S	TATUS	an all the second	ENGINE DISPLACEMENT (L)		
1	DFI	SFI, 2WR-H	1025	, 2TWC, 2H	102S, TWC		F	FULL ALL MODELS					
*	* *							RTIAL * 3.5			3.5		
*	* *							IAL WITH	*				
		E	VAP	ORATIVE & F	REFUELING	G (EVAP	P/ORV	R) FAMILY	INFORMATION	N			
EVA	P / ORV	R FAMILY	EV	APORATIVE	STD CATE	GORY	EVAP EMISSION STD VEHICLE CLASS				SPECIAL FEATURES		
L	TYXR01	65P82		LEV 3	OPTION2		LDT2				нст		
				E	MISSION	CREDIT	INFO	RMATION					
	EDIT FO	X FLEET AVE. R EXTENDED RANTY		NMOG CRI	EDIT FOR I		EV	NMOG C	REDIT FOR DO	R	OPTIONAL EXH. STD FOR WORK TRUCKS		
		N			N				N		N		
				NMOG	AND FLEE	ET AVER	RAGE	INFORMA	TION				
NMOG RAF	CH4 RAF	FTP NMOG/NMHO RATIO	; H	CHO/NMHC RATIO	NMOG+N PC+LDT						D NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10		0.040		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.)



TOYOTA MOTOR CORPORATION

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STREETS

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 5^{++} day of April 2019.

Michael Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

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(initia) (1974-78)	(interpretation (RWWS)	计学的	1 201-000 1 - 00	PAB .
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FUEL TYPE

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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

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		NMOG+NOx (g/mi)		CO (g/mi)		NOx (g/mi)		HCHO (mg/mi)		PM (g/mi)			
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD		
FTP@50K	*	*	* *	*	*	*	*	*	*	*	*		
FTP@UL	GASOLINE- TIER3 E10	0.0289	0.070	0.20	1.7	*	*	*	4	*	0.003		
50°F @4K	*	*	*	·	*	*	*	*	*				
A Print Alle						NN	NMOG+NOx (g/mi)			CO (g/mi)			
and the second second		FUEL TYPE						STD	CEF	۲۲	STD		
HWFET @	50K		*			*		*					
									C.C.C. HERRICH ST.	and a construction of the second s	「「「「「「「「「「「」」」」」」「「「」」」」」」」		

HWFET @ UL	GASOLINE-TIER3 E10	0.0091	0.070	With 1	
20°F @ 50K	COLD CO E10 REGULAR GASOLINE (TIER3)	A CAN		0.61	12.5

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

			US06			SC03	3	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	*	*	and a state of the	*	*			
		CERT	*	*	*	*	*	0.0216	0.43	*
@ UL	GASOLINE- TIER3 E10	STD	*	*	6	*	*	0.083	4.2	*
		BIN		12.200 Sala		STATE THE	动动力管	0.080		Section Section

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

			WH	IOLE \								
EVAPORATIVE FAMILY	FUEL TYPE	31	DHS (g	/test) (2) UL	2Dł	HS (g/test)	@ UL	F	RL (g/mi) (D UL	
		CER	T S	TD	FEL	CERT	STD	FEL	CE	RT	STD	
LTYXR0165P82	GASOLINE- TIER3 E10	0.23	04 0.	400	*	*	0.400	*	0.0	008	0.05	
ORVR / FU	ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS											
					(F)	FUEL C	TER BLEE	R BLEED				
EVAPORATIVE	ORVR (g/g	allon) @	UL			3DHS RIG TEST		2DHS RIG TEST		BLEED CANISTER		
FAMILY				FUE	L TYPE	(g/test)@UL	(g/test) @ UL	TEST (g/test) @ 4K		
	FUEL TYPE	CERT	STD			CERT	STD	CERT	STD	CERT	STD	
LTYXR0165P82	GASOLINE- TIER3 E10	0.005	0.20		OLINE- 73 E10	*	*	*	*	0.0046	0.020	

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EFFECTIV	'E LEAK DIAMETER	STANDARD AND CER	RTIFICATION LEVEL (INCHES)
	LEAK FAMILY	CERT	T
LTYXR0165P82	LTYXR0165P82-00)1 *	0.02
EV: ultra LEV; SULEV: sup STWC: adsorbing TWC; H RC/SCR-N or SCRC-NH3: tinuous/periodic trap oxidi ted/oxygen sensor; WR-H QS: reductant quality sens ondary air injection (belt d ct/indirect fuel injection; T s on-board diagnostic; DC ix: series: CNG/LNG: com	per ULEV; ZEV: zero-em AC: HC adsorbing catal selective catalytic redu zer; DPF: diesel particul O2S or AFS: wide range or; NH3S: ammonia ser riven)/(electric driven); F C/SC: turbo/super charg DR: direct ozone reducin pressed/liquefied nature	hission vehicle; TZEV: trans lyst; WU: warm-up catalyst; iction-urea/ammonia; NH3C late filter (active); GPF: PM e/linear/heated air-fuel ration nsor; EGR: exhaust gas rec PAIR: pulsed AIR; SFI/MFI: ger; CAC: charge air cooler g; HCT: hydrocarbon trap; al gas; LPG: liquefied petro	ALVW: adjusted LVW; LEV: low emission vehicle; sitional ZEV; TWC/OC: 3-way/oxidizing catalyst; ;; NAC: NOx adsorption catalyst; SCR-U or OC: ammonia oxidation catalyst; CTOX/PTOX: 1 filter for spark-ignited engine; HO2S/O2S: o sensor; NOXS: NOx sensor; PMS: PM sensor; circulation; EGRC: EGR cooler; AIR/AIRE: : sequential/multiport fuel injection; DFI/IFI: r; FFH: fuel fired heater; F/P/\$: full/partial/partial with BCAN: bleed carbon canister; prefix 2: parallel; (2) oleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; transmission; SA: semi-automatic transmission; CV

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	FAMILY	ECS	OBD
TOYOTA	SIENNA	LDT2	3.5	SA8	LTYXR0165P82	1	F
TOYOTA	SIENNA AWD	LDT2	.3.5	SA8	LTYXR0165P82	-1 -1	F.

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