

TOYOTA MOTOR CORPORATION

Executive Order: A-014-1040

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	FORM	MATION					
MODE		EST GROUP	VEHIC	VEHICLE CLASS(ES)				ATEGORY	FUEL TYPE			
2020	LT	YXT02.5P3M		LDT2				ELECTRIC HICLE	3 2 3	GASOLINE		
14.5	USEFUL	LIFE (miles)	VEH	IICLE EMIS	SION C	ATEG	ORY	INTERIM / IN	TEF	RMEDIATE IN-USE STD		
EXH	I/ORVR	EVAP		FTP			SFTP FTP			SFTP		
15	0000	150000	LEV3	SULEV30	LEV 3 COMPOSIT		MPOSITE	*		PM		
SPE	CIAL FE		HAUST EMISSIC	ON CONTRO	OL		OBD S	TATUS	STANDARD ST	ENGINE DISPLACEMENT (L)		
1	SFI,	EGR, EGRC,	WR-HO2S, TWO	C(2), HO2S	3	FULL		ALL MODELS				
*	-		*	-	Was a	PARTIAL		*		2.5		
*			*				RTIAL WITH *					
		EV	APORATIVE &	REFUELING	G (EVA	P/OR	/R) FAMILY	INFORMATIO	N			
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR								SSION STD E CLASS		SPECIAL FEATURES		
I	LTYXR01	30A82	LEV 3	OPTION2			LD	T2		HCT		
				EMISSION C	REDIT	INFO	RMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON-F						ZEV	NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
		N	N	100	n n							
			NMOG	AND FLEE	T AVE	RAGE	INFORMA	TION		•		
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	HCHO/NMHC RATIO	NMOG+NOX FLEE PC+LDT (0-3750 I (g/mi)						NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	1.10	0.006		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 April 2019.

Allen Lyons, Chief

Emissions Compliance, Automotive Regulations and Science Division



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ATTACHMENT

	EXH	AUS	TA	ND E	VAP	OR	ATIVE	EMIS	SIONS	STAN	DAR	DS AND	CERTI	FIC	ATION	LE	VELS		
		EXI	HAUS	TEM	SSIO	N S	TANDA	RDS A	ND CERT	TIFICA	TION	LEVELS	FTP, HW	FET,	, 50°F, 20	0°F)			
	FU	EL T	YPE	mon adju OR\	oxide stmer /R [g	; NO nt fac HC/g	x: oxide ctor; 2D gallon d	es of nit HS/3DH ispense	rogen; Ho HS [g HC/ ed]: on-bo	CHO: /test]: : oard re	formal 2/3 da fueling	: hydrocarl dehyde; P ys diurnal- g vapor red est procedi	M: particu hot-soak; covery; g:	late RL gram	matter; R [g HC/mi n; mg: mi	RAF:]: rur Iligra	reactivening loom; m; mi:	ity ss;	
					NMOG+NOx (g/mi)		Ox	CO (g/mi)				NOx g/mi)	HCH((mg/m				PM (g/mi)		
				CE	RT	1	STD	CERT	STE	0	CERT	STD	CERT		STD	С	ERT	STD	
FTP@5		*			*		*	*	*		*	*	*		*	1 1 2 2 2 2		*	
FTP@L		GASOLINE- LEV3 E10		0.0	194	0	.030	0.16	1.0	0	*	74 7 * 1 13 7 7 8 7 8	****		4			0.003	
50°F @4	4K	* * * * * * * * * * * * * * * * * * *		-	*		*	*	* *	dia *	*	34 ya 4. €	* - *		*				
					FUEL TYPE						NMOG+NOx (g/mi)			11 E.	CO (g/mi)				
					I OEL I (FI					C	ERT	STD	STD (CERT		STD		
HWFET	T @ 50K		· Aras		*						*		*	*		計劃			
HWFE	T @ UL		10.15		GASC	DLIN	E-LEV	73 E10 0.0087 0.03			0.030	313							
20°F	@ 50K	(COLD	CO E	10 R	EGUI	LAR GA	SOLIN	E (TIER	(3)					0.88		-	12.5	
10.000	4.00	ę.	- 1	SFT	PEXI	HAU	ST EM	SSION	STANDA	ARDS	AND	CERTIFIC	ATION LE	VEL	_S		2762	š	
	1			US06							SC03 COMPOSITE						4		
	FUEL TYPE			l	NMOG+NOx (g/mi)		Ox	CO PM (g/mi) (mg/mi			NMOG+NOx (g/mi)		CO (g/mi)	NMOG+NO: (g/mi)		1	CO (g/mi)	PM (mg/mi)	
@ 4K	@ 4K *		CEF		RT *			*				* .	*						
	•	ST		TD	*			*				*	*						
		ASOLINE- EV3 E10 ST		RT		*		*	*	ł .		*	*	C	0.0252		0.31	*	
(m III				TD	D *			*	6	6		* .	*		0.083		4.2	*	
				IN							湖南				0.040	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		W	HOL	E VEH	ICLE	EVA						DS AND C		ATIC	N LEVE	LS			
	0 D 4 Z D 4	_					WH	IOLE V	EHICLE	EVAP	ORAT	TIVE TEST	ING						
EVAPORATIVE FAMILY F		- FILE TYPE		EL	3DHS (g/test) @ UL					2DHS (g/test) @ Ul			'		RL (g/mi) @ UL				
						STD FEL		CE	ERT STD		FEL	EL CE		RT		STD			
LTYXR0130A82 GASOLI TIER3					0.0740 0.4		400	* *			0.400	. *	0.0		0.05		0.05		
C	ORVR / F	UEL	ONL	Y / CA	NIST	ER	BLEED	EVAP	ORATIVE	EMIS	SION	STANDA	RDS AND	CE	RTIFICA	TIOI	N LEVE	LS	
										UEL ONLY EVAP & CANIST									
	ORATIV MILY	E	ORVR (g/gal			allon) @ UL		FUEL TYPE			HS RIG TEST g/test) @ UL		2DHS RIG (g/test) @				LEED CANISTER ST (g/test) @ 4K		
		F	UEL	TYPE	CEI	RT	STD			_	RT	STD	CERT			CERT		STD	
LTYXE	R0130A8			LINE-	0.018 0.20		0.20	GASOLINE- LEV3 E10			*	*	*		*	0.0199		0.020	



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EFFECTI\	/E LEAK DIAMETER STA	NDARD AND CERTIFICATION I	EVEL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD
LTYXR0130A82	LTYXR0130A82-001	and the second of the second o	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; 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

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	ECS	OBD
LEXUS	NX 300H AWD	LDT2	2.5	scv6	LTYXR0130A82	1	F

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