CALIFORNIA AIR RESOURCES BOAR	A
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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	FORMA	TION					
MODE	- I T	EST GROUP	VEHICI	ES)	FUEL CATEGORY				FUEL TYPE			
2019	KT	YXV02.5P33		PC			HYBRID ELECTRIC VEHICLE			GASOLINE		
1	USEFUL	LIFE (miles)	VEH	ICLE EMIS	SION C	ATEGO	RY	INTERIM / INT	ERM	EDIATE IN-USE STD		
EXH	ORVR	EVAP		FTP SFTP				FTP		SFTP		
15	0000	150000	LEV3	SULEV30	LEV	3 COMP	OSITE	NMOG+NOX AND	PM	PM		
SPE	CIAL FE	ATURES & EXH	AUST EMISSIC	ON CONTRO	OL		OBD S	TATUS	EN	GINE DISPLACEMENT (L)		
1 DFI, SFI, EGR, EGRC, WR-HO2S(2), TWC(2)							ULL ALL MODELS					
*					PAR	PARTIAL *			2.5			
*						L WITH	*	1				
	,	EV	APORATIVE &	REFUELIN	G (EVA	P/ORVR) FAMILY	INFORMATION				
EVA	P / ORV	R FAMILY	EVAPORATIVE	STD CATE	GORY			SSION STD E CLASS	SP	ECIAL FEATURES		
K	TYXR01	65J72	LEV 3	OPTION2			PC			HCT		
			E	MISSION C	REDIT	INFORM	ATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY						ZEV NMOG CREDIT FOR DOR				OPTIONAL EXH. STD FOR WORK TRUCKS		
		N	N		N				N			
			NMOG	AND FLEE		RAGE IN	FORMA	TION				
NMOG RAF	CH4 RAF	FTP NMOG/NMHC RATIO	HCHO/NMHC RATIO	NMOG+N PC+LDT								
*	*	1.10	0.006		0.072			0.083		*		

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.)

CALIFORNIA AIR RESOURCES BOARD

TOYOTA MOTOR CORPORATION

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.

This Executive Order hereby supersedes Executive Order A-014-0994 dated March 29, 2018.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this _____ day of August 2018.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division



TOYOTA MOTOR CORPORATION Executive Order: A-014-0994-1 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4

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

FUEL TYPE

	FUE	L I 11														
				NMOG+I (g/mi			CO (g/mi)			NOx g/mi)		HCH (mg/n	-		Pr (g/m	
			C	ERT	STD	CERT	STI	D	CERT	STD	CER	T	STD	CEI	RT	STD
TP@5	ок	*		*	*	*	*		*	*	*		*	*		*
FTP@L		GASOLINE- TIER3 E10		0225	0.030	0.12	1.	0	*	*	+		4	0.00	003	0.003
50°F @	4K	+		*	*	*	*		*	*	*		*			
										MOG+N		CO (g/mi)				
				FUEL TYPE						ERT	STD		CERT		r STD	
HWFE	T @ 50K				*				* *							
HWFE	T@UL			GASOLI	SOLINE-TIER3 E10					0.0078 0.030			1.00			
20°F	@ 50K	co	LD CO E	10 REG	JLAR G	ASOLIN	E (TIER	23)		-			0.5	53	:	L0.0
-			SFT	PEXHA	USTEM	ISSION	STAND	ARDS	AND	ERTIFIC	ATION L	EVEL	.S			
					US06				SC03				COMPOSITE			
15	FUEL T	YPE NMO((g/								G+NOx /mi)	CO (g/mi)	NMOG+NOx (g/mi)			CO /mi)	PM (mg/m
				*		*				+	+				-	
@ 4K	·		STD	*		*				*	*					
		CE		*		*	0	.2		*	*	0	.0291	0	.20	*
@ UL	GASOLINE- TIER3 E10 STD *			*		6	+		+	0.090		4	4.2	*		
			BIN	4												
		WH	OLE VE	ICLE EV	APORA	TIVE E	MISSION	STAP	DAR	S AND	CERTIFIC	ATIO	N LEVE	LS		
					W	HOLE V	EHICLE	EVAP	ORAT	IVE TEST	ring					
EVAPORATIVE FAMILY FUEL TYPE			E	3DHS (g/test) @ UL					2DHS (g/test) @ UL			RL (g/mi) @ UL				
F/				CE	RT	STD	FEL	CE	RT	STD	FE	L	CE	RT		STD
KTYXR0165J72			ASOLINE	- 0 1		. 300	*	0.1	658	0.300	*	0.004		004	0.05	
(DRVR / F	_		-	BLEED	EVAP	ORATIVE	EEMIS	SION	STANDA	RDS ANI	DCE	RTIFICA	TION	LEVE	LS
		1									P& CAN					
EVAPORATIVE ORV		ORVR (g	R (g/gallon) @ UL					DHS RIG TEST g/test) @ UL			2DHS RIG (g/test) @		EST BLEED CA			
		FU	EL TYPE	CERT	STD	1			RT	STD	CERT		STD	CER		STD
KTYXE	R0165J72		SOLINE- ER3 E10	10 001	0.20		*		*	*			*	*	T	*

A CALIL AIR RESO	FORNIA URCES BOARD	TOYOTA MOTOR CORPORATION		cutive Order: A-014-0994-1 Iger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 4 of 4
EFFECTIV	E LEAK DIAMETER	STANDARD AND CE	RTIFICATION LEV	EL (INCHES)
EVAPORATIVE FAMILY	LEAK FAMILY	CE	RT	STD
XTYXR0165J72	KTYXR0165J72-00	1 *		0.02
mission limit; GVWR: gross v JLEV: ultra LEV; SULEV: sup DSTWC: adsorbing TWC; H CRC/SCR-N or SCRC-NH3: ontinuous/periodic trap oxidiz eated/oxygen sensor; WR-H CDQS: reductant quality sens econdary air injection (belt dr irect/indirect fuel injection; TC nes on-board diagnostic; DO uffix: series; CNG/LNG: com 10: "10%" ethanol ("90%"gas	vehicle weight rating; LV 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 chargo R: direct ozone reducin pressed/liquefied natura soline) fuel; A: automatic ssion; SCV: selectable of	W: loaded vehicle weigh hission vehicle; TZEV: tra yst; WU: warm-up cataly ction-urea/ammonia; NH ate filter (active); GPF: P e/linear/heated air-fuel ra hsor; EGR: exhaust gas PAIR: pulsed AIR; SFI/MI jer; CAC: charge air cool g; HCT: hydrocarbon tra al gas; LPG: liquefied pet c (with lockup); M: manu continuously variable tran	nt; ALVW: adjusted LV ansitional ZEV; TWC/C st; NAC: NOx adsorpti 3OC: ammonia oxidati M filter for spark-ignite titio sensor; NOXS: NO recirculation; EGRC: E F1: sequential/multiport er; FFH: fuel fired hea p; BCAN: bleed carbor roleum gas; E85: "85% al transmission; SA: se usmission; AM: automa	on catalyst; SCR-U or on catalyst; CTOX/PTOX: ad engine; HO2S/O2S: ex sensor; PMS: PM sensor; GR cooler; AIR/AIRE: t fuel injection; DFI/IFI: ter; F/P/\$: full/partial/partial with n canister; prefix 2: parallel; (2) 6" ethanol ("15%"gasoline) fuel; emi-automatic transmission; CV: tted manual transmission; AMS:

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
LEXUS	ES 300H	PC	2.5	SCV6	KTYXR0165J72	1	F
TOYOTA	AVALON HYBRID	PC	2.5	SCV6	KTYXR0165J72	1	F
TOYOTA	AVALON HYBRID XLE	PC	2.5	SCV6	KTYXR0165J72	1	F
TOYOTA .	CAMRY HYBRID XLE/SE	PC	2.5.	SCV6	KTYXR0165J72	1	F