California Environmental Protection Agency	TOYOTA MOTOR	Executive Order: A-014-0942 New Passenger Cars, Light-Duty Trucks and
O Air Resources Board	CORPORATION	Medium-Duty Vehicles Page 1 of 4

Pursuant to the authority vested in the 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: 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 GRO	DUP IN	FORMAT	ION					
MODE		EST G	ST GROUP VEHICLE CLASS(ES)					FUEL CATEGORY			FUEL TYPE		
2017	HT	YXV05	. 0M5A		PC		DEDICATED SINGLE FUEL VEHICLE				GASOLINE		
l	JSEFUL	LIFE	(miles)	V	EHICLE EMISS	SION C	ATEGOR	Y	INT	ERIM / INTI	RMEDIA	TE IN-USE STD	
EXH	ORVR		EVAP		FTP		SFTP			FTP		SFTP	
15	0000		150000	LE	V3 ULEV70	LEV	3 COMPC	SITE		*		*	
SPE	CIAL FE	ATUR		AUST EMIS	SION CONTRO)L		OBD ST	TATU	S	ENGINE	DISPLACEMENT (L)	
1	DF	I, SF	I, 2WR-F	102S, 2TWC	(2), 2HO2S		FUI	L		*			
*				*	and the second second		PART	TIAL	ALL	MODELS	5.0		
.* *						· .		RTIAL WITH *					
-			EV	APORATIVE	& REFUELING	EVA	P/ORVR)	FAMILY	INFC	RMATION			
EVA	P/ORV	RFAN	NILY	EVAPORAT	VE STD CATE	GORY	EVAP EMISSION STD VEHICLE CLASS				SPECIAL FEATURES		
Н	TYXR01	65P12	2		LEV 2	V 2 PC					HCT		
					EMISSION C	REDIT	INFORM	ATION					
	A	LLOW	ANCE FO	R TEST GRO	OUP		MOG CR			NMOG CRE		OPTIONAL EXH	
BASE		ZEV	AT	PZEV	TZEV	NO	NON-PZEV ZERO-EVA			DO	R	TRUCKS	
	* * *					N					N		
				NM	OG AND FLEE	TAVE	RAGE IN	FORMAT	TION				
NMOG RAF	MOG CH4 NMOG/NMHC HCHO/NMHC PC+		PC+LDT			LDT ((3751	FLEET STO LVW-8500 IDPV (g/mi)	MDV	NOX FLEET STD (10001-14000 VWR) (g/mi)			
*	*	:	1.10	0.006		0.086			0.	101		*	

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.

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 NMOG+NOx and greenhouse gas Fleet Average (PC or LDT or MDPV) or "Vehicle Equivalent Credit" (MDV) compliance plan 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

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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 August 2016.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division

California Environmental Protection Agency

OB Air Resources Board

FUEL TYPE

TIER 2

UNLEADED

0.257

0.50

HTYXR0165P12

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A	TT	A	C	Η	M	E	N	Т

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

		-										
		NMOG+NOx (g/mi)					NOx (g/mi)		HCHO (mg/mi)		M mi)	
		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD	
	*	*	*	*	*	*	*	*	*	*	*	
		0.0362	0.070	0.11	1.7	*	*	*	4	*	0.01	
	*	*	*	*	*	*	*	*	*			
				-		NN	OG+NO	k (g/mi)	/mi) CO) (g/mi)	
		-	FUEL ITP	E		CE	RT	STD	CER	Т	STD	
HWFET @ 50K *						*	*				101	
HWFET @ UL GAS		GASO	GASOLINE-LEV3 E10				080	0.070				
20°F @ 50K COLD CO E10 PREMIUM GAS			SOLINE	(TIER 3)				0.6	0	10.0		
	1E7 9 50K 9 UL	DL	(g/i CERT * GASOLINE- LEV3 E10 * * 50K UL GASO	(g/mi) CERT STD * * * * GASOLINE- LEV3 E10 0.0362 0.070 * * * FUEL TYP 0.50K * 0.01 GASOLINE-LEV	(g/mi) (g/mi) CERT STD CERT * * * * GASOLINE- LEV3 E10 0.0362 0.070 0.11 * * * * FUEL TYPE * * * 0.50K * * * 0.UL GASOLINE-LEV3 E10 GASOLINE-LEV3 E10 *	(g/mi) (g/mi) CERT STD CERT STD * * * * * GASOLINE- LEV3 E10 0.0362 0.070 0.11 1.7 * * * * * * GASOLINE- LEV3 E10 0.0362 0.070 0.11 1.7 * * * * * * 9 50K * * * * 9 UL GASOLINE-LEV3 E10 GASOLINE-LEV3 E10 *	(g/mi) (g/mi) (g/mi) CERT STD CERT STD CERT * * * * * * * * GASOLINE- LEV3 E10 0.0362 0.070 0.11 1.7 * * * * * * * * GASOLINE- LEV3 E10 0.0362 0.070 0.11 1.7 * * * * * * * * FUEL TYPE FUEL TYPE NN CEN CEN 0.50K * * * * 0 UL GASOLINE-LEV3 E10 0.00 0.01	(g/mi) (g/mi) (g/mi) CERT STD CERT STD CERT STD * <t< td=""><td>(g/mi) (g/mi) (g/mi) (g/mi) (mg CERT STD CERT *</td><td>(g/mi) (g/mi) (g/mi) (mg/mi) CERT STD CERT A *</td><td>(g/mi) (g/mi) (g/mi) (mg/mi) (g/mi) (g/mi) (mg/mi) (g/mi) (g/mi</td></t<>	(g/mi) (g/mi) (g/mi) (g/mi) (mg CERT STD CERT *	(g/mi) (g/mi) (g/mi) (mg/mi) CERT STD CERT A *	(g/mi) (g/mi) (g/mi) (mg/mi) (g/mi) (g/mi) (mg/mi) (g/mi) (g/mi	

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

				US06		SC0:	3	CON	POSITE	
	FUEL TYP	PE	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	*	*		*	*			A
	UL GASOLINE- LEV3 E10 STD		*	*	*	*	*	0.0252	0.13	*
@ UL					*	*	*	0.103	4.2	*
		BIN			the second			0.080		
		WHOLE VI	EHICLE EVAPO	RATIVE E	VISSION STA	NDARDS AND	CERTIFIC	ATION LEVELS	5	
				WHOLE V	EHICLE EVA	PORATIVE TES	TING			
	ORATIVE	FUEL T	PE 3DHS	6 (g/test) @	UL	2DHS (g/test) @ UL	RL	(g/mi) @	UL
			CERT	STD	FEL CE	RT STD	FE	L. CERT		STD
		GASOLIN	E -							

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

0.65

0.005

0.05

	ORVR (g/gallon) @ UL			FUEL ONLY EVAP & CANISTER BLEED									
EVAPORATIVE FAMILY				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			
HTYXR0165P12	GASOLINE - TIER 2 UNLEADED		0.20	*	*	*	*	*	*	*			

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*: not applicable; #: pounds; UL: useful life; PC: pas LDT<6000#GVWR,3751-5750#LVW; LDT3: LDT 60 8500#ALVW; MDV: medium-duty vehicle; MDV4: M	01-8500#GVWR,3751-5750#	#ALVW; LDT4: LDT 6001-8500#GVWR,5751-
duty passenger vehicle; HDV: heavy-duty vehicle; E emission limit; GVWR: gross vehicle weight rating; L	CS: emission control system	; CERT: certification; STD: standard; FEL: family ALVW: adjusted LVW; LEV: low emission vehicle;
ULEV: ultra LEV; SULEV: super ULEV; ZEV: zero-e TZEV: transitional ZEV; TWC/OC: 3-way/oxidizing c catalyst; NAC: NOx adsorption catalyst; SCR-U or S	atalyst; ADSTWC: adsorbing	TWC; HAC: HC adsorbing catalyst; WU: warm-up
NH3OC: ammonia oxidation catalyst; CTOX/PTOX:	continuous/periodic trap oxid	izer; 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; 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; AMS: automated manual selectable transmission; OT: other transmission

2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
LEXUS	GS F	PC	5.0	SA8	HTYXR0165P12	1	P	*
LEXUS	RC F	PC	5.0	SA8	HTYXR0165P12	1	P	*