## California Environmental Protection Agency

**OB** Air Resources Board

TOYOTA MOTOR CORPORATION

Executive Order: A-014-0930

New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

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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 GR	OUP IN	FORMAT	ION					
MODE		I LEGI GERNIE			VEHICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE		
2017	HTYXT02.0K6M				LDT2	DEDICATED SINGLE FUEL VEHICLE			GASOLINE				
ı	JSEFUL	LIFE	(miles)	V	EHICLE EMIS	SION C	ATEGOR	Y	IN	TERIM / INT	ERMEDIA	TE IN-USE STD	
EXH	/ORVR		EVAP		FTP		SFTP	7		FTP	SFTP		
15	150000 150000			LEV	/3 ULEV125	LEV	LEV 3 COMPOSITE		*		*		
SPE	CIAL FE	ATUR		AUST EMIS	SION CONTRO	OL		OBD ST	TATL	JS	ENGINE	DISPLACEMENT (L)	
1	DFI, SFI, WR-HO2S, TWC(2), HO2S, TC, CAC							FULL *		*			
*			*		PAR1	TAL ALL MODELS		2.0					
*	* PARTIAL WITH FINES									*			
			EV	APORATIVE	& REFUELING	G (EVA	P/ORVR)	FAMILY	INF	ORMATION			
EVA	P / ORV	RFAN	MILY	EVAPORAT	IVE STD CATE	GORY		AP EMIS			SPECIA	L FEATURES	
HTYXR0132A22					LEV 2	LEV 2			LDT2		HCT		
					EMISSION (	REDIT	INFORM	IATION					
ALLOWANCE FOR TEST GROUP											IMOG CREDIT FOR STD FO		
BASELINE PZEV AT PZEV					TZEV	NC	NON-PZEV ZERO-E			EVAP DOR		TRUCKS	
	*			*	*		N			N		N	
				NM	OG AND FLEE	TAVE	RAGE IN	FORMA	TION				
NMOG RAF	CH4 RAF	NIBAL METALLINA			PC+LD1			NMOG+NOX FLEET ST LDT (3751 LVW-8500 GVWR) + MDPV (g/mi		LVW-8500			
*	*		1.10	0.023		0.086	16			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 Regulations, (13 CCR) Sections 1965 [emission control labels], 1968.2 [on-board diagnostic, full or partial compliance],

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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.

- Tours

Emissions Compliance, Automotive Regulations and Science Division

**OB** Air Resources Board

GASOLINE -TIER 2

UNLEADED

0.021 0.20

HTYXR0132A22

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						AT	TAC	HMENT							
	EXHA	UST	AND E	VAPOR	ATIVE	EMIS	SION S	TANDAR	DS AND	CERTI	FICAT	TON L	EVELS		
		EXH	AUST EM	ISSION S	TANDA	RDS AN	D CERT	IFICATION	LEVELS	(FTP, HW	FET, 50	°F, 20°	F)		
	FUE	FUEL TYPE mor		oxide; No stment fa /R [g HC	Ox: oxid octor; 2D gallon o	es of nitro HS/3DH dispensed	ogen; H0 S [g HC/ d]: on-bo	nic gas; HC CHO: formal test]: 2/3 da ard refueling P: federal te	dehyde; P ys diurnal g vapor re	M: particu +hot-soak covery; g:	late ma ; RL [g l gram; n	tter; RA HC/mi]: ng: milli	F: reactive running longer running l	ity oss;	
				NMOG+NOx (g/mi)		CO (g/mi)			NOx (g/mi)		HCHO mg/mi)		PM (g/mi)		
			CI	ERT	STD	CERT	STE	CERT	STD	CER	TS	TD	CERT	STD	
FTP@5	OK	*		*	*	*	. *	*	*	*		*	*	*	
FTP@L	11 1	GASOLINE- LEV3 E10		0396	0.125	0.31	2.1	. *	*	*		4	*	0.01	
50°F @	4K	*		*	*	*	*	*	*	*		*		Satisfaction.	
				FUEL TYPE NMOG+NOx (g/mi)								CO (g/mi)			
	way are seen					_			ERT	STD		CERT	_	STD	
HWFET @ 50K					*				*	*	100			Caspion "	
HWFET @ UL GP				GASOLI	SOLINE-LEV3 E10				0.0221		0.125				
20°F	20°F @ 50K GASOLINE-COLD CO HIG						TANE				0.7		3 12.5		
			SFT	PEXHA	JST EM	ISSION	STANDA	RDS AND	CERTIFIC	ATION L	VELS				
				US06					SC03			COMPOSITE			
	FUEL T	/PE		NMOG+NOx (g/mi)		CO PN (g/mi) (mg/i			g/mi)	CO (g/mi)		S+NOx mi)	CO (g/mi)	PM (mg/mi)	
@ 4K		GASOLINE- LEV3 E10 B		*	*		*		*	*					
W 41				*		*	- 1		*	*				Windshiper	
				T *		*	*		*	*	0.0	510	0.38	*	
@ UL				*		*	*		*	*	0.:	103	4.2	*	
				Ala Ayles, Till	1. 12						0.	080			
		WH	OLE VEH	IICLE EV	APORA	TIVE EN	NOISSIN	STANDAR	DS AND	CERTIFIC	ATION	LEVEL	S		
					W	HOLE VI	EHICLE	EVAPORA	TIVE TEST	TING					
EVAPORATIVE FAMILY		F	UEL TYP	E	3DHS (g/		/test) @ UL		2DHS (g/test			RL (g/mi) @ U		UL	
				CERT S		TD FEL		CERT	STD	FEI		CERT	Т	STD	
HTYXR0132A22			ASOLINE TIER 2 UNLEADE	R 2 0.200 0		0.65	*	0.199	0.85	*	* 0.0		0.05		
(	DRVR / FL	_			BLEE	EVAPO	RATIVE	EMISSION	STANDA	RDS ANI	CERT	IFICAT	ION LEVE	ELS	
		T							ONLY EVA						
	ORATIVE		ORVR (g/gallon) @			FUEL TYPE		1	OHS RIG TEST g/test) @ UL		RIG TE			ED CANISTER Γ (g/test) @ 4K	
		FL	JEL TYPE	TYPE CERT STD					ERT STD			TD D	CERT	STD	
		1		1	1					1					

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: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GWWR,0-3750#LVW; LDT2: DT<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; PZEV: partial ZEV; AT PZEV: advanced technology PZEV; 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; 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

## 2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
LEXUS	NX 200T	LDT2	2.0	SA6	HTYXR0132A22	1	P	*
LEXUS	NX 200T AWD	LDT2	2.0	SA6	HTYXR0132A22	1	P	*
LEXUS	NX 200T AWD F SPORT	LDT2	2.0	SA6	HTYXR0132A22	1	P	*