California Environmental Protection Agency

OB Air Resources Board

TOYOTA MOTOR CORPORATION

Executive Order: A-014-0941

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 GROU	JP INF	FORMATIO	N					
MODE	- I TI	EST G	ROUP	VEHICLE CLASS(ES)			FU	EL CATE	FUEL TYPE				
2017	HTYXV03.5B6B			PC			DEDICATED SINGLE FUEL VEHICLE			GASOLINE			
1	USEFUL	LIFE	(miles)	VE	HICLE EMISSION	ICLE EMISSION CATEGORY			ITERIM / INT	ERMEDIA"	RMEDIATE IN-USE STD		
EXH/ORVR EVAP				FTP			SFTP	-	FTP	SFTP			
120000 150000			150000	LE	2 TIT.EV		EV 2 SFTP STANDARD		*	*			
SPE	CIAL FE	ATUR		AUST EMISS	SION CONTROL		O	BD STAT	US	ENGINE	DISPLACEMENT (L)		
1	DF	I, SF	I, 2WR-H	IO2S, 2TWC	2), 2HO2S		FULL		*				
*	*						PARTIA	PARTIAL ALL MODELS			3.5		
*				*				ARTIAL WITH *					
			EV	APORATIVE	& REFUELING	EVAF	P/ORVR) FA	MILY INF	ORMATION				
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGO							PRY EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES			
HTYXR0165P12					LEV 2	EV 2				HCT			
					EMISSION CR	EDIT	INFORMAT	TION			300		
ALLOWANCE FOR TEST GROUP							MOG CREE		NMOG CREDIT F		OPTIONAL EXH.		
BASELINE PZEV AT PZEV					TZEV		NON-PZEV ZERO-EVA		DO	R	TRUCKS		
					*	N			N		N		
				NMC	G AND FLEET	AVEF	RAGE INFO	RMATION	1				
NMOG RAF	CH4 RAF	KINACAC / KINAL LICE		HCHO/NMHC RATIO NMOG+NOX PC+LDT (0-			LVW)	NMOG+NOX FLEET S' LDT (3751 LVW-8500 GVWR) + MDPV (g/m		MDV (10001-14000			
*	*		1.04	0.018	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:

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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.

Emissions Compliance, Automotive Regulations and Science Division

Air Resources Board

GASOLINE -

TIER 2

UNLEADED

0.014 0.20

HTYXR0165P12

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ATTACHMENT

							A	IAC	HIME	:NI		_					
	EXHA	JST	AND	EV	APOR	ATIVE	EMIS	SION S	TAN	DARD	S AND	CERT	IFIC/	ATION L	EVELS	3.	
	E	XH/	AUST	EMIS	SION S	TANDA	RDS AN	ID CERT	IFICA'	TION L	EVELS (FTP, HW	FET,	50°F, 20°	F)		
	FUEL TYPE		r	nono adjus DRVF	xide; No tment fa R [g HC/	Ox: oxid ctor; 2D gallon o	es of nitr HS/3DH lispense	rogen; H0 IS [g HC/ d]: on-bo	CHO: fo test]: 2 ard ref	ormalde /3 days ueling v	ehyde; P diurnal- vapor red	M: particu hot-soak covery; g:	late m ; RL [g gram;	n-CH4 Honatter; RA g HC/mi]: g mg: milli olemental	F: reactive running I gram; mi	vity oss;	
		GASOLINE - CA PHASE 2		NMOG (g/mi)			CO (g/mi)			NOx (g/mi)		1	HCHC (mg/m			PM (g/mi)	
				CEI	RT ST	STD	CERT	STD	CE	ERT STD		CER	Т	STD	CERT	STD	
FTP@5	OKI			0.02	221 0	.040	0.19	1.7	0	.013	0.05	*		8	*	*	
FTP@l	JL GASO			0.02	235	.055 -	0.22	2.1	. 0	.013	0.07	*		11	*	0.01	
50°F @	4K	*		*		*	*	*		*	*	*		*	W. Art.	Oliverna Conf.	
				FUEL TYPE						NOx (g/mi)				CO (g/mi)			
11-20				POEL TIPE						CERT		STD		CERT		STD	
HWFET @ 50K			GASOLINE - CA PHASE 2						0.0	0.008 0.07					STATE OF STA		
HWFE	T@UL			GASOLINE - CA PHASE 2						0.008 0.09		. 6.00			NA ANDREAS		
20°F @ 50K GAS				ASOLINE-COLD CO HIGH OCTANE									Variation in	1.03 10.0			
			5	FTP	EXHAL	JST EM	ISSION	STANDA	RDS	AND CI	ERTIFIC	ATION L	EVEL	S		*	
			US06							SC03		COMPOSITE					
	FUEL TY	FUEL TYPE		N	NMHC+NOx (g/mi)		CO PM (g/mi) (mg/m			NMHC+NOx (g/mi)		CO NN (g/mi)		MOG+NOx C (g/mi) (g/		PM (mg/mi)	
@ 4K	GASOLIN CA PHAS				0.032		0.49			0.008		0.03					
	S		STD		0.14		8.0			0.20		2.7			**** ********************************		
		GASOLINE - CA PHASE 2		T *		*	*		1	ł	*	0	.0265	*	*		
@ UL					*		*	*		1	*	. *	0	.103	*	*	
				100				y Mari					0	.100			
		WH	OLE \	/EHI	CLE EV	APORA	TIVE E	NOISSIN	STAN	DARD	S AND C	ERTIFIC	ATIO	N LEVEL	S		
			,			W	HOLE V	EHICLE	EVAP	ORATI	/E TEST	ING					
EVAPORATIVE FAMILY		FUEL TY		TYPE 3DHS (g		/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi)		@ UL		
					CEF	CERT S		STD FEL		RT	STD	FE	L	CERT		STD	
HTYXR0165P12			ASOLI TIER UNLEA	2 0.257 0		.50	0 *		0.65		*	* 0.		5	0.05		
(ORVR / FL				NISTER	BLEED	EVAPO	PRATIVE	EMIS	SION S	TANDA	RDS ANI	CER	RTIFICAT	ION LEV	ELS	
		T							FU	EL ON	LY EVA	P & CAN	ISTER	BLEED			
EVAPORATIVE FAMILY		ORVR (g/gall			allon) (D UL	FUEL TYPE			3DHS RIG T (g/test) @		2DHS R (g/test				LEED CANISTER EST (g/test) @ 4K	
		FU	IEL TY	PE	CERT	STD				ERT STD		CERT	-	STD	CERT	STD	
		-		_					1			1					

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t: 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; ZEV: 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	IS 300 AWD	PC	3.5	SA6	HTYXR0165P12	1	P	*					
LEXUS	IS 350	PC	3.5	SA8	HTYXR0165P12	1	P	*					
LEXUS	IS 350 AWD	PC	3.5	SA6	HTYXR0165P12	1	P	*					
LEXUS	RC 300 AWD	PC	3.5	SA6	HTYXR0165P12	1	P	*					
LEXUS	RC 350	PC	3.5	SA8	HTYXR0165P12	1	P	* .					
LEXUS	RC 350 AWD	PC	3.5	SA6	HTYXR0165P12	1	P	*					