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		FOR	MATION						
MODE		TEST GROUP				VEHICLE CLASS(ES)				FUEL CATEGORY			FUEL TYPE			
201	2016 GTYXT03.5PC4				LDT2					HYBRID ELECTRIC VEHICLE				GASOLINE		
	JL LIFE	(miles)		VEHICLE EMISSION CAT				ATE	GORY INTERIM / INT			ERMEDIATE IN-USE STD				
EXH/ORVR EVAP					FTP				SFTP			FTP			SFTP	
150000 150000					LEV3 SULEV30 LEV 3			3 C(OMPOSITE NMOG+NOX AND			D PM NMOG+NOX AND PM				
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS									OBD ST			ATUS		ENGINE DISPLACEMEN		
1 2TWC, TWC, 2WR-HO2S, 2HO2S, DFI, SF EGRC							SFI, EG	R,		FULL	AL	L MODELS				
*	*								F	PARTIAL		*	3.5			
*	*								PAF	TIAL WITH		*				
			E	VAPOF	RATIVE	& R	EFUELING	(EVA	P/OR	VR) FAMIL	/ INF	ORMATION				
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGO							GORY	EVAP EMISSION STD VEHICLE CLASS				SPECIAL FEATURES				
	GTYXR0190E82					LEV 2				LDT2			HCT			
						EN	ISSION CI	REDI		ORMATION						
	ALLOWANCE FOR TEST GROUP								NMOG CREDIT FOR NMOG CREDI				FOR	OPTIONAL EXH		
BAS	BASELINE PZEV AT PZE					/ TZEV			NON-PZEV ZERO-						TRUCKS	
	* *					*			N			N			N	
					NM	OG A	ND FLEET	AVE	RAG	E INFORMA	TION	1				
NMO	NMOG RAF CH4 RAF FTP				NMOG/NMHC RATIO HCHO/NMH			IHC R	ATIO	NMOG+NOX F PC+LDT (0-3 (g/m		3750 LVW)		NMOG+NOX FLEET STD LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)		
	*	*		1.3	10		0.	021			0.0	93	0.110			

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.

OB Air Resources Board

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], 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).

BE IT FURTHER RESOLVED:

Evaporative family GTYXR0190E82 is certified pursuant to 13 CCR Section 1976(b)(1)(G)3 and deemed to comply with the requirements of 13 CCR Section 1976(b)(1)(G)1 ["LEV III evaporative requirements"].

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 September 2015.

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

OB Air Resources Board

FUEL TYPE

Sec. A.

TOYOTA MOTOR CORPORATION Executive Order: A-014-0918 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

1997 - 7967 - 1997 - 2017 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997																		
				N	MOG+N (g/mi)			CO (g/mi)			NOx g/mi)		HCH mg/r			Pl (g/r		
and the second				CEI	RT	STD	CER	T ST	D	CERT	STD	CER	т	STD	CEF	RT	STD	
TP@5	ок	*		*		*	*	*		*	*	*		*	*		*	
ETDAIN		SOLII EV3 E		0.02	202 0	0.030	0.1	2 1.	0	*	*	*		4			0.003	
50°F @4K		*		*		*	*	*		*	*	*		*			and the	
											NMOG+NOx (g/mi)			CO (g/mi)				
			FUEL TYPE							С	CERT STD			CERT		STD		
HWFE	T @ 50	<		*.							* *							
HWFE	T @ UL	-		GASOLINE-LEV3 E10						0.	0092	0.030						
20°F	@ 50K		GA	SOLI	NE-COI	D CO	HIGH C	OCTANE		-	Server 1			1.2	1		12.5	
				SFTP	EXHAU	JST E	MISSION	STAND	ARDS	AND	CERTIFIC	ATION LI	EVEL	.S				
				3			US06	US06			SC03				COMPOS		ITE	
	FUEL TYP			N	NMOG+NOx (g/mi)		CO (g/mi)	CO PM (g/mi) (mg/mi)			G+NOx J/mi)	CO (g/mi)		MOG+NOx (g/mi)		CO /mi)	PM (mg/mi)	
@ 4K	*		CER	Т	*	*		*			*	*				-		
			ST	D	*		*		1		*	*	-					
@ UL	CAROT THE		CER	Т	*		*	* *			*	*	0.0221		0	. 12	*	
			ST	2	*		*	1	.0	*		*		0.110	4	4.2	*	
		B				r = 0	Der in				1.202.1		0.040					
		W	HOLE	VEHI	CLE EV							CERTIFIC	ATIO	N LEVE	LS			
						1	WHOLE	VEHICLE	EVAP	ORAT	IVE TEST	TING		-) (alm			
EVAPORATIVE		VE	FUEL TYPE		3	3DHS (g/test) @ U			UL		S (g/test))@UL		RL (g/m				
					CEF	RT	STD	FEL	CE	RT	STD	FEI	_	CE	RT		STD	
GTYXR0190E82		82 ^G	ASOLI		A 0.1	0.189 0		.50 *		26	0.50	*		0.000		0.05		
(ORVR /	FUEL	ONLY	/ CAI	NISTER	BLE	D EVAP	ORATIV	EEMIS	SSION	STANDA	RDS AND	CE	RTIFICA	TION	EVE	LS	
									F	UEL O	NLY EVA	P&CAN	ISTE	R BLEE	D			
EVAPORATIVE FAMILY		VE	ORVR (g/gallon) @ UL				FUE			HS RIG TEST g/test) @ UL		2DHS RIG (g/test) @				EED CANISTER ST (g/test) @ 4K		
		F	UEL T	L TYPE CE		ST				RT	STD	CERT	T	STD	CER	T	STD	
GTYXR0190E82		82	ASOLII TIER JNLEAL	2	0.003	0.2	0	DLINE - PHASE 2	0		0.0	*	*		*		*	

Ø∋ Air Resources Board

*: 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

2016 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD	PZEV TYPE
LEXUS	RX 450H	LDT2	3.5	SCV6	GTYXR0190E82	1	F	*
LEXUS	RX 450H AWD	LDT2	3.5	SCV6	GTYXR0190E82	1	F	*