California Environmental Protection Agency	TOYOTA MOTOR	Executive Order: A-014-0937 New Passenger Cars, Light-Duty Trucks and				
OB Air Resources Board	CORPORATION	Medium-Duty Vehicles Page 1 of 4				
and the second						

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	UP IN	FORMAT	ION			-		
MODE						CLASS(ES) FUEL C			CATEGORY			FUEL TYPE	
2017	HI	YXT04	.6BEW		15	DEDICATED SINGLE FUEL VEHICLE				GASOLINE			
1	USEFUL	LIFE	(miles)	V	EHICLE EMISSI	ON C	ATEGOR	Y	IN	TERIM / INT	RMEDIA	TE IN-USE STD	
EXH	ORVR		EVAP		FTP	FTP SFTP			FTP			SFTP	
120000 150000				L	EV2 ULEV	ULEV LEV 2 SFT STANDARD			*			*	
SPE	CIAL FE	EATUR		AUST EMIS	SION CONTROL	-		OBD S	TATL	IS	ENGINE	DISPLACEMENT (L)	
1	SFI,		SRC, 2WR-H	02S, 2TWC(2)	,	FULL							
*	*							TIAL	ALL MODELS 4.6			4.6	
*				*				AL WITH *					
			EV	APORATIVE	& REFUELING	(EVA	P/ORVR)	FAMILY	INF	ORMATION			
EVA	P / ORV	RFAN	AILY	EVAPORAT	VE STD CATE	ORY					SPECIA	L FEATURES	
H	ITYXR01	90932	2		LEV 2	LDT4					HCT		
					EMISSION CR	EDIT	INFORM	ATION					
	A	LLOW	ANCE FO	R TEST GRO	DUP	-				NMOG CRE		OPTIONAL EXH.	
BASE	ELINE P	ZEV	AT	PZEV	TZEV	NC	NON-PZEV ZERO-EVAP D			DO	TRUCKS		
* * *							N			N			
				NM	OG AND FLEET	AVE	RAGE IN	FORMA	TION				
NMOG CH4 FTP RAF RAF NMOG/NMHC RATIO			G/NMHC	HCHO/NMH RATIO	PC+LDI (C		50 LVW) L		NMOG+NOX FLEET STI LDT (3751 LVW-8500 GVWR) + MDPV (g/mi)		D NMOG+NOX FLEET STD MDV (10001-14000 GVWR) (g/mi)		
*	*	:	1.04	0.018	0	.086	7		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.

Executed at El Monte, California on this 23 day of August 2016.

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

California Environmental Protection Agency

OB Air Resources Board

FUEL TYPE

GASOLINE

TIER 2

UNLEADED

HTYXR0190P32

0.20

0.033

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Stand St.

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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

S and the second second	5 ⁰ ,#1																
			NMOG (g/mi)			CO (g/mi)				Ox /mi)	1	HCHO (mg/mi)			PM (g/mi)		
2700			Г	CERT		STD	CERT	STE		CERT	STD	CER	т	STD	CERT	STD	
FTP@5	OK GASO			0.017	9 0	.040	0.20	1.7		0.013	0.05	- *	*		*	*	
FTP@	UL GASO			0.020:	1 0	.055	0.21	2.1		0.016	0.07	*	11		*	0.01	
50°F @	4K	*	_	*		*	*	*		*	*	*		*			
The second second	and a second										NOx (g/mi)				CO (g/mi)		
annot been	and the production of			FUEL TYPE						CE	RT	STD		CER		STD	
HWFE	T @ 50K			GASO	ASOLINE - CA PHASE 2					0.005		0.07		A CONTRACTOR OF A CONTRACTOR			
HWFE	T@UL			GASO	LINE	- CA	CA PHASE 2			0.008		0.09					
20°F	@ 50K		GA	SOLIN	OLINE-COLD CO LOW OG			TANE					0.		56 12.5		
			5	FTP E	XHAL	JST EM	SSION	STANDA	RDS	ANDC	ERTIFIC	ATION LE	IVEL	S			
				US06							SC03			COMPOSI		TE	
FUEL TY					NMHC+NOx (g/mi)		CO (g/mi)	Pl (mg/		NMHC+NOx (g/mi)		CO (g/mi)	NMOG+NOx (g/mi)		x CO (g/mi		
		ASOLINE - A PHASE 2				0.037				0.021		0.14					
6			STD		0.60		11.8			0.	44	4.0				and the second	
		* CERT * STD BIN		CERT		RT *		* *			*		*	*		*	*
@ UL	*			STD			*	* *			*	*	*		*	*	
						and the					And a state of the			*			
		WH	OLE \	/EHICL	EEV	APORA	TIVE EN	ISSION	STAI	NDARD	S AND C	ERTIFIC	ATIO	N LEVE	LS		
						W	HOLE VI	EHICLE	EVAP	PORATI	VE TEST	ING					
	ORATIVE	I FUEL IVE		YPE	PE 3DHS (g/test) @ UL					2DHS	@ UL		RL (g/mi) @ UL				
T AMAL I					CEF	RT S	STD	FEL	CERT		STD	FEI	CERT		RT	STD	
HTYXR0190P32			ASOLI TIER JNLEA	2 0.362 0		.90	*	.0.3	357	1.15	*	0.004		04	0.05		
1	ORVR / FU	JEL (ONLY	CANIS	STER	BLEED	EVAPO	RATIVE	EMIS	SSION S	STANDA	RDS AND	CEF	RTIFICA	TION LE	VELS	
									F	UEL ON	LY EVA	P & CAN	ISTEI	R BLEE	D		
	ORATIVE		ORVR	R (g/gallon) @ UL		FUEL TYPE			3DHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) @				CANISTE /test) @ 4		
		FU	EL TY	PEC	ERT STD		1			ERT STD		CERT	-	STD CEF		STD	

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filter for spark-ignited engine; HO2S/O2S: heated/ox NOXS: NOx sensor; PMS: PM sensor; RDQS: reduc	01-8500#GVWR,3751-5750 DV 8501-10000#GVWR; MI CS: emission control systen VW: loaded vehicle weight; nission vehicle; PZEV: part atalyst; ADSTWC: adsorbin CRC/SCR-N or SCRC-NH3 continuous/periodic trap oxi ygen sensor; WR-HO2S or tant quality sensor; NH3S: on (belt driven)/(electric driv /SC: turbo/super charger; (ng; HCT: hydrocarbon trap; al gas; LPG: liquefied petro ic (with lockup); M: manual continuously variable transi	0#ALVW; LDT4: LDT 6001-8500#GVWR,5751- DV5: MDV 10001-14000#GVWR; MDPV: medium- n; CERT: certification; STD: standard; FEL: family ALVW: adjusted LVW; LEV: low emission vehicle; ial ZEV; AT PZEV: advanced technology PZEV; g TWC; HAC: HC adsorbing catalyst; WU: warm-up t: selective catalytic reduction-urea/ammonia; dizer; DPF: diesel particulate filter (active); GPF: PM AFS: wide range/linear/heated air-fuel ratio sensor; ammonia sensor; EGR: exhaust gas recirculation; en); PAIR: pulsed AIR; SFI/MFI: sequential/multiport CAC: charge air cooler; F/P/\$: full/partial/partial with BCAN: bleed carbon canister; prefix 2: parallel; (2) bleum gas; E85: "85%" ethanol ("15%"gasoline) fuel; I transmission; SA: semi-automatic transmission; CV:

2017 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS ENGINE (L)		EVAPORATIVE EXH FAMILY ECS		OBD	PZEV TYPE	
TOYOTA	TUNDRA 2WD	LDT4	4.6	SA6	HTYXR0190P32	1	P	*
TOYOTA	TUNDRA 4WD	LDT4	4.6	SA6	HTYXR0190P32	1	P	*