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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 GROUP INFORMATION															
MODE YEAF	- I TE	EST G	ROUP		VEF	ICLE CLASS(E	S)		FUEL CATEGORY			FUEL TYPE			
2017	нт	YXVO3	3.5B6C			PC		DEDICATED SINGLE FUEL VEHICLE			GASOLINE				
USEFUL LIFE (miles) VEHICLE EMISSIC								CATE	EGORY	~ 1	NTERIM / IN	TERME	DIA	TE IN-USE STD	
EXH/ORVR EVAP FTP							S	FTP		FTP			SFTP		
120000 150000 LEV2 ULEV					, I		2 SFTP NDARD	art.	*		*				
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							L		OBD	STAT	US S	ENC	SINE	DISPLACEMENT (L)	
1	s	FI, 2	2WR-HO2S	, 2TW	7C, 21	HO2S, TWC			FULL		*]			
*	*								PARTIAL	AI	L MODELS	1	3.5		
*	*							PA	RTIAL WIT FINES	н	*				
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION														
EVA	P / ORV	RFAN	/ILY	EVAP	ORAT	IVE STD CATE	SORY	′	EVAP EN VEHIC			SPI	ECIAI	L FEATURES	
I	HTYXR01	15A12	2			LEV 2		PC HCT				нст			
						EMISSION CF	REDIT	Γ INF	ORMATIO	N					
	Α	LLOW	ANCE FC	RTES	ST GR	OUP	· ·	NMOG CREDIT FOR I NMOG CREDIT FOR STD F				OPTIONAL EXH. STD FOR WORK			
BASI	ELINE P	ZEV	AT	PZEV		TZEV						TRUCKS			
* * *							N N				1	N			
					NM	OG AND FLEET	AVE	RAC			N				
NMOG RAF	NMOG/NMHC			PC+LDT (NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi)										
*	*		1.04	0	.018	0	.086			C	.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.

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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).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby supersedes Executive Order A-014-0928 dated May 25, 2016.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this _____ day of September 2016.

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

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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 [ġ HC/test]: 2/3 days diurnal+hot-soak; RL [ġ HC/mi]: running loss;
ORVR [ġ 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

	10		-															
					NMOG (g/mi)		(CO g/mi)			Ox mi)		HCHO (mg/mi)			PM (g/mi)		
				CER	T	STD	CERT	STE		CERT	STD	CER	Т	STD	CER	r	STD	
FTP@5		OLINE	1 (0.01	.67 0	.040	0.21	1.7	, (0.019	0.05	*		8	*		*	
FTP@L		OLINE		0.01	.81 0	.055	0.23	2.1	L	0.021	0.07	*		11	*		0.01	
50°F @4	4K	*		*		*	*	*		*	*	*		*		in a f	and the second second	
					FU		_				NOx (g/mi)			CO (g/	mi)		
					FU	EL TYPE	-			CE	RT	STD		CER	T	:	STD	
WFE	T @ 50K		-	GAS	OLINE	- CA 1	PHASE	2		0.0	017	0.07	1					
HWFE	T@UL			GAS	OLINE	- CA 1	PHASE	2		0.0	019	0.09	1. 2.			Arres .		
20°F	@ 50K		GAS	OLI	NE-COL	D CO H	IGH O	CTANE					ALT DA	0.5	6	1	LO.0	
		L	S	FTP	EXHAL	ST EM	SSION	STANDA	RDS	AND CI	ERTIFIC	ATION L	EVEL	S				
			19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			L	JS06				SC03			CC	OMPOS	TE		
	FUEL 1	YPE		N	MHC+N (g/mi)		CO (g/mi)	PI (mg/			:+NOx mi)	CO (g/mi)	NMOG+NOx (g/mi)		x C((g/r	-	PM (mg/m	
GASOLI					T 0.027		0.61	0.61		0.033		0.04						
@ 4K C2				STD 0.14 8.0		1		0.20 2.7				1						
		SID			*		*	*	•	,	k	*	0.0371		*		*	
@ UL	GASOLI CA PHA			SID *			* *		ł	*		*	0.103		*		*	
_			BIN									0.10)				
		WH	IOLE V	EHIC	CLE EV	APORA	TIVE E	MISSION	STAN	DARD	SANDO	ERTIFIC	ATIO	N LEVE	LS			
						WH	HOLE V	EHICLE	EVAP	ORATIN	E TEST	ING						
	ORATIV	E F	UEL T	YPE	3	DHS (g	/test) @	UL		2DHS	(g/test)	@ UL		F	RL (g/mi)@	UL	
FAMILI			CER	RT S	TD	FEL	CE	RT	STD	FE	L CE		RT		STD			
HTYXR0115A12 T		ASOLIN TIER UNLEAL	2	- 0.158 0		.50	*	*		0.65	*			0.005		0.05		
		-			ISTER	BLEED	EVAP	ORATIVE	EMIS	SION S	TANDA	RDS AN	DCER	RTIFICA	TIONL	EVE	LS	
												P & CAN						
	ORATIV	E	ORVR	R (g/gallon) @ UL 31						OHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) @		TEST BLEED			NISTER	
		FL	JEL TY	PE	CERT	STD				RT STD		CERT		STD		CERT		
HTYXE	R0115A1	GA	SOLINE TIER 2 NLEADE	E -	0.040	0.20		*		*	*	*			*			

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*: 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	ES 350	PC	3.5	SA6	HTYXR0115A12	1	P	*
TOYOTA	AVALON	PC	3.5	SA6	HTYXR0115A12	1	P	*
TOYOTA	CAMRY	PC	3.5	SA6	HTYXR0115A12	1	P	*