

Executive Order: A-409-0049

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

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Pursuant to the authority vested in California 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: That 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	IFORI	MATION					
MODE	- I TI	EST GROUP	VEHICLE CLASS(ES)			FUEL CATEGORY			FUEL TYPE				
2018	JJ	LXT05.0FSN			LDT4		I		SINGLE FUEL HICLE	L GASOLINE			
	USEFUL	LIFE (miles)	VEH	VEHICLE EMISSION CATEGORY			ORY	INTERIM / IN	RMEDIATE IN-USE STD				
EXH	EXH/ORVR EVAP			FTP SF1			ГР	FTP		SFTP			
15	0000	0000 150000 LEV3 ULEV125 LEV 3 ULEV STAND *				*							
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS OF							OBD S	TATUS	T	ENGINE DISPLACEMENT (L)			
1	1 2TWC, 2WR-HO2S, 2H02S(2), DFI, SC, CAC							FULL *					
*	* *							ARTIAL	ALL MODELS		5.0		
*	* PARTIAL WITH * FINES												
		E	VAP	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	Y INFORMATIO	N			
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATE					GORY	,		SSION STD E CLASS		SPECIAL FEATURES		
	JLXR01	75001		L	EV 2			LDT4			*		
					MISSION C	REDI	INFO	RMATION					
CBEDIT FOR EXTENDED 1						EDIT FOR NON-PZEV NMC			REDIT FOR DO	R	OPTIONAL EXH. STD FOR WORK TRUCKS		
		N		И			N			И			
				NMOG	AND FLEE	TAVE	RAGE	INFORMA	TION				
NMOG RAF	NMOG/NMHC			0-375					MDV (10,001-14,000				
*	*	1.10		0.02	(0.079 0.092					*		
		1			L								

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.



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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 fleet average compliance requirement for NMOG+NOx or Vehicle Equivalent Credit (13 CCR Sections 1961.2(b)(1), 1961.2(b)(3), or 1961,2(c)(3), and the incorporated test procedures, as applicable), or Greenhouse Gas Emissions (13 CCR Section 1961.3, or 17 CCR Section 95663, and the incorporated test procedures, as applicable), for PC, LDT, MDPV or MDV 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).

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 February 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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						АТ	TACI	НМЕ	ENT								
	EXHA	UST	AND E	VAPOF	RATIVE	EMIS	SION S	TAN	DARE	S AND	CERTIF	ICATION	LEV	ELS			
EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS (FTP, HWFET, 50°F, 20°F)																	
	FUE	L TY	mon adju ORV 1000	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													
			ı	NMOG+NOx (g/mi)			CO (g/mi)		NOx (g/mi)		1	CHO ng/mi)		PM (g/mi)			
			CE	RT	STD	CERT	STD		CERT	STD	CERT	STD	CERT		STD		
FTP@5	0K	*		*	*	*	*		*	*	*	*	*	*			
FTP@L	11	OLIN 73 E	- I N	049	0.125	0.85	2.1		*	*	0.5	4	0.00	017	0.01		
50°F @	A IKC	OLIN	1 0	122	250	1.02	2.1		*	*	2.0	16					
				FU	EL TYP	E			NMOG+NOx (g/mi)				CO (g/mi)				
									CE		STD	CEF	RT		STD		
HWFE.	T @ 50K				*				1	*							
HWFE	T @ UL			GASOLI	3 E10		0.0185			0.125							
20°F	@ 50K			GASOLI	NE-LEV	3 E10						0.	0.7		.2.5		
			SFT	EXHA	JST EM	ISSION S	STANDA	RDS	AND CI	ERTIFIC	ATION LE	/ELS					
						US06			SC03			C	COMPOSITE				
	FUEL T	EL TYPE		FUEL TYPE		MOG+		CO	PN			S+NOx		NMOG+NO		CO	PM
				(g/mi)		(g/mi)	(mg/	mi)	i) (g/mi)		(g/mi)	(g/mi)	(g	/mi)	(mg/mi)		
@ 4K	*	CERT		*		*				*	*						
		ST		0.116		1.82	*				*			*	*		
	@ UL GASOLINE- LEV3 E10		CERT	0.116	8					010 L	1 50				1 *		
@ UL			1 1						_	019	1.58	*					
1	LEV3		STD	0.12	0	9.6	*		_	019	3.2	*		*	*		
	LEV3	E10	BIN			9.6	*		0.0	070	3.2	*	1.6		*		
	LEV3	E10	BIN		APORA	9.6	*	STAN	0.0	070 S AND C	3.2 ERTIFICA	*	ELS		*		
	ORATIVI	WH	BIN	ICLE EV	APORA WI	9.6	* HISSION EHICLE E	STAN	0.0	070	3.2 ERTIFICA	* TION LEVE	ELS	*			
		WH	BIN HOLE VEH	ICLE EV	APORA WI	9.6 TIVE EM	* HISSION EHICLE E	STAN	O.O NDARDS ORATIV	S AND C	3.2 ERTIFICA	* TION LEVE	RL (g/n	* mi) @			
FA	ORATIVI	WH F	BIN HOLE VEH	CEI	APORA WI BDHS (g	9.6 TIVE EM	IISSION EHICLE E	STAN	0.0 NDARDS ORATIV 2DHS	S AND C	3.2 ERTIFICA ING @ UL	* TION LEVE	RL (g/n	* mi) @	UL		
JJLXE	ORATIVI AMILY	WH F	BIN HOLE VEH	CEI	APORA WI BDHS (g	9.6 TIVE EMHOLE VEHICLE (test) @	IISSION EHICLE E UL FEL	STAN EVAP	0.0 NDARDS ORATIV 2DHS	S AND C VE TEST S (g/test) STD	3.2 ERTIFICA ING @ UL FEL *	* TION LEVE	RL (g/n RT	* mi) @	UL STD		
JJLXE	ORATIVI AMILY	WH F	BIN HOLE VEH	CEI	APORA WI BDHS (g	9.6 TIVE EMHOLE VEHICLE (test) @	IISSION EHICLE E UL FEL	STAN EVAPO CEF	0.0 NDARDS ORATIV 2DHS RT 588	S AND COVE TEST S (g/test) STD 1.15	3.2 ERTIFICA ING @ UL FEL * RDS AND	* TION LEVE	RL (g/n RT 00	* mi) @	UL STD		
JJLXF	ORATIVI AMILY	WHE F	BIN HOLE VEH	CEI	APORA WI BDHS (g RT 5 23 0	9.6 TIVE EMHOLE VE	IISSION EHICLE E UL FEL	STAN EVAPO 0.5 EMIS FL	0.0 NDARDS ORATIV 2DHS RT 588	S AND COVE TEST G (g/test) STD 1.15 STANDA G TEST	3.2 ERTIFICA ING @ UL FEL * RDS AND P & CANIS 2DHS F	TION LEVE	RT (g/n	mi) @	UL STD 0.05 ELS		
JJLXF	ORATIVI AMILY R017500 DRVR / F	WHE F	BIN HOLE VEH ASOLINE TIER 2 UNLEADED	CEI	APORA WI BDHS (g RT 5 43 0	9.6 TIVE EMHOLE VE	TISSION EHICLE E UL FEL * PRATIVE	CEF 0.5 EMIS FL	O . O NDARDS ORATIV 2DHS RT 58 SSION S JEL ON HS RIG	S AND COVE TEST G (g/test) STD 1.15 STANDA G TEST	3.2 ERTIFICA ING @ UL FEL * RDS AND P & CANIS 2DHS F	TION LEVE CE CERTIFICA TER BLEE	RT (g/n	ni) @	UL STD		

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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)									
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD						
*	*	*	*						

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; 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; FFH: fuel fired heater; 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; AER: all-electric range; EAER: equivalent AER; PHEV: plug-in hybrid electric vehicle

2018 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE MODEL VEH CLASS ENGINE (L) TRANS TYPE EVAPORATIVE FAMILY EXH ECS OBD LAND ROVER RANGE ROVER LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER LWB SVA LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SPORT LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SVR LDT4 5.0 SA8 JJLXR0175001 1 P								
LAND ROVER RANGE ROVER LWB LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER LWB SVA LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SPORT LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P	MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE		1	OBD
LAND ROVER RANGE ROVER LWB SVA LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SPORT LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P	LAND ROVER	RANGE ROVER	LDT4	5.0	SA8	JJLXR0175001	1	P
LAND ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SPORT LDT4 5.0 SA8 JJLXR0175001 1 P LAND ROVER RANGE ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P	LAND ROVER	RANGE ROVER LWB	LDT4	5.0	SA8	JJLXR0175001	1	P
LAND ROVER RANGE ROVER SVA LDT4 5.0 SA8 JJLXR0175001 1 P	LAND ROVER		LDT4	5.0	SA8	JJLXR0175001	1	P
	LAND ROVER	RANGE ROVER SPORT	LDT4	5.0	SA8	JJLXR0175001	1	P
LAND ROVER RANGE ROVER SVR LDT4 5.0 SA8 JJLXR0175001 1 P	LAND ROVER	RANGE ROVER SVA	LDT4	5.0	SA8	JJLXR0175001	1	P
	LAND ROVER	RANGE ROVER SVR	LDT4	5.0	SA8	JJLXR0175001	1	P