

JAGUAR LAND ROVER LIMITED

Executive Order: A-409-0070

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-19-095;

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 GROUP INFORMATION													
MODE		EST GROUP		VEHIC	LE CLASS(E	S) F		FUEL C	FUEL CATEGORY		FUEL TYPE		
2020	LJLXT03.0HTR LDT4						I		SINGLE FUEL HICLE		GASOLINE		
	USEFUL	LIFE (miles)	12	VEHICLE EMISSION CATEGORY				ORY	Y INTERIM / INTERMEDIATE IN-USE STD				
EXH	I/ORVR	EVAP	200	FTP SF			SF1	TP FTP			SFTP		
15	50000	150000	8	LEV3	SULEV30 LEV 3 SU STAND-ALC				NMOG+NO	x	*		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD S	TATUS	E	ENGINE DISPLACEMENT (L)		
1	TWC	, WR-H02S, H	02S (2	2), DFI,	TC, CAC	1000		FULL	ALL MODELS	8			
*								ARTIAL	*	- 123 24 124	3.0		
* *								TIAL WITH FINES	*				
	EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION												
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR								SSION STD E CLASS	s	SPECIAL FEATURES		
	LJLXR01	75P1Z		LEV 3 OPTION2				LDT4			*		
					EMISSION CI	REDIT	INFO	RMATION					
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY NMOG CREDIT FOR NON- ZERO-EVAP							V NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS		
	N N								N	N			
	NMOG AND FLEET AVERAGE INFORMATION												
NMOG CH4 RAF NMOG/NMHC RATIO					NMOG+NOX FLEET STD PC+LDT (0-3750 LVW) (g/mi)) LDT	+NOX FLEET S (3751 LVW-850 R) + MDPV (g/m	0	NMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	* 1.10 0.02 0.065							0.074 *				

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. (As applicable, heavy-duty vehicles (HDV) over 14,000 pounds in GVWR listed in this Executive Order are certified to the requirements in 13 CCR Section 1961.2 applicable to MDV pursuant to 13 CCR Section 1956.8(c)(3) or 13 CCR Section 1956.8(h)(5), as applicable.)



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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).

BE IT FURTHER RESOLVED:

The listed vehicle models have been certified on the condition that the manufacturer provide all the on-board diagnostic data required by 13 CCR Section 1968.2(h)(1) within 90 days from the date of this Executive Order. Failure to submit the required demonstration data by the specified date, or failure of the submitted demonstration data to show compliance with the test procedures, shall be cause for the Air Resources Board to revoke this Executive Order and vehicles sold under the revoked conditional certification shall be deemed uncertified and subject to a civil penalty of up to \$37,500 per vehicle pursuant to HSC Section 43154.

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

Allen Lyons, Chief

Emissions Certification and Compliance Division

day of August 2019.



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ATTACHMENT

		-			- Committee	A CONTRACTOR			and the latest terror to the	W.C	DS AND		_			3	
		EXH,	CH mo adj OR 100	4: meth noxide; ustmen	nane; NOx: t facto HC/gal	NMO(oxide r; 2DI lon di	G: non-0 es of nitr HS/3DH ispense	CH4 orga rogen; Ho IS [g HCa d]: on-bo	nic ga CHO: t (test]: 2 vard re	s; HC: formal 2/3 da fueling	hydrocark dehyde; Plys diurnal- y vapor recest est procedu	oon; NMH M: particu -hot-soak; overy; g:	C: no late m RL [g gram;	n-CH4 h natter; R g HC/mi mg: mil	HC; CO: ca AF: reacti]: running l lligram; mi	vity loss;	
				NMO(g/	S+NOx mi)			CO g/mi)			NOx g/mi)	1 .	HCHC mg/m			M mi)	
			C	ERT	ST	D	CERT	STI)	CERT	STD	CER	Г	STD	CERT	STD	
FTP@50	K	*		*	*		*	*		*	*	*		*	*	*	
FTP@U	1 1	OLIN 73 E:	1 ()	0237	0.0	30	0.91	1.0		*	*	0.00		4	0.001	0.003	
50°F @4	KI	GASOLINE- LEV3 E10			0.0	60	0.62	1.0		*	*	0.0		8			
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		I-c	FUEL TYPE						NMOG+NOx (g/mi))		
22430588				=	-		CERT		STD		CER	Т	STD				
HWFET	@ 50K				1	t					*	*			28		
HWFE.	T @ UL			GASC	LINE-	-LEV	3 E10			0	.003	0.030					
20°F @ 50K				GASOLINE-LEV3 E10										0.94 12.5			
			SF	TP EXI	-AUS	ГЕМІ	SSION	STAND	ARDS	AND	CERTIFIC	ATION LE	VEL	S			
46 John 18-42				US06						SC03				COMPOSITE			
	FUEL T	JEL TYPE		NMOG+NOx (g/mi)			CO PI (g/mi) (mg			NMOG+N ni) (g/mi)		CO NN (g/mi)		OG+NO: g/mi)	CO (g/mi)	PM (mg/mi)	
@ 4K	*		· CERT *		*		*				*	*					
		S				*				*	*						
		SOLINE- EV3 E10		RT 0.0187			0.69	0.69 3.3		0.0105		0.27	* .		*	*	
@ UL				0.	050		9.6		5	0	.020	3.2		*	*	*	
			BIN											*			
		WH	OLE VE	HICLE	EVAP	ORA	TIVE EI	MISSION	STAI	NDAR	DS AND C	ERTIFIC	ATIO	N LEVE	LS		
						WH	HOLE V	EHICLE	EVAP	ORAT	IVE TEST	ING		_			
	EVAPORATIVE FAMILY		FUEL TYPE		3DHS (g/test			test) @ UL		2DHS (g/test)		@ UL		RL (g/mi) (
					CERT S		TD FEL		CE	CERT STD		FEL		CERT		STD	
LJLXR0175P1Z LEV		GASOLIN LEV3 E1	10 0.298 0.		.500				0.500 *			0.00		0.05			
(RVR / F	UEL	ONLY / C	CANIST	ER BI	LEED	EVAP	ORATIVI			STANDA					'ELS	
											NLY EVA						
	ORATIVI MILY	E ORVR		VR (g/gallon) @ UL			FUEL TYPE			3DHS RIG TEST (g/test) @ UL		2DHS RIG (g/test) @				O CANISTER (g/test) @ 4K	
		FU	JEL TYP	E CE	RT S	STD			CE	RT	STD	CERT	-	STD	CERT	STD	
LJLXR0175P1Z		z	SOLINE TIER 2 NLEADEI	0.	0.01 0.20		GASOLINE- LEV3 E10			*	*	*		*	0.010	0.020	



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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)									
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD						
LJLXR0175P1Z	LJLXR0175P1Z-001	*	0.02						

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; 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; HP/LP EGR: High/Low Pressure EGR; 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; a hyphen (-) between after treatment ECS indicates multiple functionalities of the after treatment device (ex. DPF-SCRC: SCR coated DPF); 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; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

2020 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
LAND ROVER	RANGE ROVER	LDT4	3.0	SA8	LJLXR0175P1Z	1	F
LAND ROVER	RANGE ROVER SPORT	LDT4	3.0	SA8	KJLXR0175P1Z	1	F
LAND ROVER	RANGE ROVER SPORT	LDT4	3.0	SA8	LJLXR0175P1Z	1	F