

JAGUAR LAND ROVER LIMITED

Executive Order: A-409-0068

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.

L TE		т					MATION			100m2 (F1, 1710) 200 - 1000 -		
	ST GROUP		VEHICL	E CLASS(ES)			FUEL CATEGORY			FUEL TYPE		
LJI	LXT05.0FSN			LDT4		1		SINGLE FUEL	GASOLINE			
USEFUL LIFE (miles) VEHICLE EMISSION CATEGORY INTERIM / INTERMEDIATE IN-						EDIATE IN-USE STD						
/ORVR		18	F	TP		SF	TP	FTP		SFTP		
0000	15000)	LEV3	ULEV125	LEV		523	*		*		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							OBD S	TATUS	ENGINE DISPLACEMENT (L)			
2TWC,	2WR-HO2S,	2H02	2S(2), DF	, SC, CAC	С		FULL	ALL MODELS				
* *						P	ARTIAL	*		5.0		
		*						*				
	E	VAPO	ORATIVE &	REFUELING	G (EVA	P/OR	VR) FAMILY	INFORMATION	1	1		
P / ORVI	R FAMILY	EVA	APORATIVE	STD CATE	GORY		EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
JLXR01	75001		LEV 2			LDT4			*			
			E	MISSION C	REDIT	[INFO	ORMATION					
NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED ZERO-EVAP					NIM()(÷			REDIT FOR DO		OPTIONAL EXH. STD FOR WORK TRUCKS		
	N			N				N	N			
			NMOG	AND FLEE	TAVE	RAG	E INFORMA	TION				
NIMO (2/NIMH)			HO/NMHC RATIO				W) LDT (3751 LVW-8500			0 MDV (10,001-14,000		
*	1.10		0.02		0.065			0.074		*		
/ (ORVR DOOO CIAL FE 2TWC , P / ORVI JLXR01 OG+NO: EDIT FO WAR CH4 RAF *	DOOO 150000 CIAL FEATURES & EX SYS 2TWC, 2WR-H02S, EP / ORVR FAMILY JLXR0175001 OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N CH4 RAF NMOG/NMH0 RATIO * 1.10	ORVR EVAP ORVR 150000 CIAL FEATURES & EXHAU SYSTEM 2TWC, 2WR-HO2S, 2H02 * EVAPO OF ORVR FAMILY OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N CH4 RAF NMOG/NMHC RATIO * 1.10	ORVR EVAP DO000 150000 LEV3 CIAL FEATURES & EXHAUST EMISSIC SYSTEMS 2TWC, 2WR-H02S, 2H02S(2), DF1 * EVAPORATIVE & * * EVAPORATIVE & * * DG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG CR CH4 RAF NMOG/NMHC RATIO * 1.10 0.02	ORVR EVAP FTP OOOO 150000 LEV3 ULEV125 CIAL FEATURES & EXHAUST EMISSION CONTRO SYSTEMS 2TWC, 2WR-H02S, 2H02S(2), DFI, SC, CA * EVAPORATIVE & REFUELING P / ORVR FAMILY EVAPORATIVE STD CATE JLXR0175001 LEV 2 EMISSION CO OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG CREDIT FOR I ZERO-EVAR NMOG AND FLEE CH4 RAF NMOG/NMHC RATIO * 1.10 0.02	ORVR EVAP FTP DOOD 150000 LEV3 ULEV125 LEV CIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS 2TWC, 2WR-H02S, 2H02S(2), DFI, SC, CAC * EVAPORATIVE & REFUELING (EVAPORATIVE STD CATEGORY JLXR0175001 LEV 2 EMISSION CREDIT OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG CREDIT FOR NON-P ZERO-EVAP NMOG AND FLEET AVE CH4 RAF NMOG/NMHC RATIO * NMOG+NOX FLE PC+LDT (0-375 (g/mi) * 1.10 0.02 0.065	ORVR EVAP FTP SF ORVR EVAP FTP SF ORVR EVAP FTP SF ORVR 150000 LEV3 ULEV125 LEV 3 UL FAL SYSTEMS ORVR FAMILY EVAPORATIVE & REFUELING (EVAP/OR EVAPORATIVE & REFUELING (EVAP/OR EVAPORATIVE STD CATEGORY JUXR0175001 LEV 2 EMISSION CREDIT INFO OG+NOX FLEET AVE. EDIT FOR EXTENDED WARRANTY N NMOG CREDIT FOR NON-PZEV ZERO-EVAP NMOG AND FLEET AVERAG CH4 RAF NMOG/NMHC RATIO CH4 RAF NMOG/NMHC RATIO * 1.10 0.02 0.065	SEFUL LIFE (miles) ORVR EVAP FTP SFTP DO00 150000 LEV3 ULEV125 LEV 3 ULEV STAND -ALONE CIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS 2TWC, 2WR-H02S, 2H02S(2), DFI, SC, CAC * PARTIAL P	SEFUL LIFE (miles) VEHICLE EMISSION CATEGORY INTERIM / INTER	SEFUL LIFE (miles)		

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).

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 2674

day of June 2019.

Allen Lyons, Chief

Emissions Compliance, Automotive Regulations and Science Division



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ATTACHMENT

								A	IAC	HIVI								
	E	KHAU	ST	AND	EVA	PORAT	IVE	EMIS	SION	STAN	IDAR	DS ANI	CERT	IFIC	ATION	LEVE	ELS	
		E	ХНА										(FTP, HW					
		1		m ac O 10	onoxid djustme RVR [c	e; NOx: ent factor g HC/gall	oxide r; 2DH lon di	s of nitr 4S/3DH spense	ogen; H IS [g HC d]: on-bo	CHO: /test]: oard re	formale 2/3 day efueling	dehyde; F ys diurnal ı vapor re	bon; NMF M: particu +hot-soak covery; g: ure; SFTF	ulate :; RL gram	matter; R [g HC/mi n; mg: mi	AF: re]: runni Iligram	activi ing lo ; mi:	ty ss;
						OG+NOx (g/mi)		CO (g/mi)				NOx (g/mi)		HCH(PM (g/mi)	
					CERT	STI	D	CERT	ST	D	CERT	STD	CER	T	STD	CEF	RT	STD
FTP@50	oĸ	,	ł .		*	*		*	*		*	*	*		*	*		*
FTP@U	JL	GASOI LEV3			0.049	0.1	25	0.85	2.	1	*	*	0.5	5	4	0.00	17	0.01
50°F @4	4K	GASOI LEV3			0.122	0.2	50	1.02	2.	1	*	*	2.0		16			
						FUEL '	TYPF	•					Ox (g/mi)			CO (g/mi)		
										CERT		STD			T	STD		
HWFE1	@	50K				*		o Clare, Years			*		*	*				
HWFE	т @	UL			GAS	SOLINE-	LINE-LEV3 E10			0.0185		0.12	0.125					
20°F (@ 50	0K			GA.	SOLINE-LEV3 E10								0.7 12.5				
				SI	FTP E	XHAUST	EMI	SSION	STAND	ARDS	AND	CERTIFIC	ATION L	EVEL	.S			
							U	S06				SC03			CC	MPOS	SITE	
	FU	EL TYI	V-88-9-56-5			NMOG+NOx (g/mi)		CO (g/mi)		M g/mi)		G+NOx J/mi)	CO (g/mi)	NMOG+NO (g/mi)			O (mi)	PM (mg/mi)
@ 4K		*		CERT		* *				*		*						
0,			Ī	STD	D *		*				do Dillo	*	*					
				CERT	0	.1168		1.82		*	0	0.019		*			*	*
@ UL		SOLIN EV3 E1		STD	0	.120		9.6		* '	0	.070	3.2	*			*	*
				BIN										A 200 A	*	*		
			WHO	OLE VI	EHICL	E EVAP							CERTIFIC	ATIC	N LEVE	LS		
							WH	IOLE V	EHICLE	EVAF	PORAT	IVE TES	TING		_		~	
EVAP(ORA	195 FREE (#60450) (1414-150)	Fl	UEL TY	/PE	3DH	S (g/	test) @	UL		2DH	S (g/test) @ UL		RL (g/mi) @ UL			
						CERT	S	TD	FEL	CE	RT STD		FE	FEL		CERT		STD

									_	AND DESCRIPTION OF THE PARTY OF
	ORVR / FU	EL ONLY / CANIS	TER BLEE	D EVAPORA	TIVE EMISSION	N STANDAF	RDS AND CER	RTIFICA	TION LE	EVELS
					FUEL (ONLY EVAF	& CANISTER	R BLEE	D	
1		00/0//	\ ~ !!!							

0.90

0.43

GASOLINE -

TIER 2

UNLEADED

LJLXR0175001

1		l									
	RATIVE MILY	/E ORVR (g/gallon) @ UL			FUEL TYPE		IG TEST) @ UL		IG TEST) @ UL	BLEED CANISTER TEST (g/test) @ 4K	
	FUEL TYPE	CERT	STD		CERT	STD	CERT	STD	CERT	STD	
LJLXR0	175001	GASOLINE - TIER 2 UNLEADED	0.01	0.20	.*	*	*	*	*	· *	*

0.58

1.15

0.00

0.05



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EFFECTIV	/E LEAK DIAMETER STA	NDARD AND CERTIFICATION L	EVEL (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; GWWR: gross vehicle weight rating; LVW: loaded vehicle weight; ALVW: adjusted LVW; LEV: low emission vehicle; ULEV: ultra LEV; SULEV: super ULEV; ŽEV: 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; 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	5.0	SA8	KJLXR0175001	1	F
LAND ROVER	RANGE ROVER LWB	LDT4	5.0	SA8	KJLXR0175001	1	F
LAND ROVER	RANGE ROVER LWB SVA	LDT4	5.0	SA8	KJLXR0175001	1	F
LAND ROVER	RANGE ROVER SPORT	LDT4	5.0	SA8	KJLXR0175001	1	F
LAND ROVER	RANGE ROVER SPORT SVR	LDT4	5.0	SA8	KJLXR0175001	1	F
LAND ROVER	RANGE ROVER SVA	LDT4	5.0	SA8	KJLXR0175001	1	F