

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															
MOD		TES	ST GROUP		VEHICL	E CLASS(E	S)		FUEL C	ATEGORY			FUEL TYPE		
202	1	MJLXT03.0HTR LDT4								SINGLE FUE HICLE	L	GASOLINE			
	USEI	FUL L	IFE (miles)		VEH	ICLE EMISSION CATEGORY INTERIM / INTERMED						EDIATE IN-USE STD			
EX	H/OR		EVAP		F	TP		SF	TP	FTP		SFTP			
150000 150000					LEV3	SULEV30		EV 3 SULEV *					PM		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS						L		OBD S	TATUS		ENC	ENGINE DISPLACEMENT (L)			
1		TWC,	WR-H02S,	HO2S	(2), DFI,	TC, CAC			FULL	*					
*		,		*				P	PARTIAL ALL MODELS				3.0		
*	* *							1	TIAL WITH	/ITH *					
			E	VAPC	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL		DN				
EV	AP / C	ORVR	FAMILY	EVA	APORATIVE	STD CATE	GORY	,		EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
	MJLX	R017	5P1Z		LEV 3	OPTION2			L	DT4		SPECIAL FEATURES			
					E	MISSION C	REDI		RMATION						
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY							ZEV	NMOG CREDIT FOR DOR				OPTIONAL EXH. STD FOR WORK TRUCKS		
	N N								N N						
	NMOG AND FLEET AVERAGE INFORMATION														
	NMOG CH4 FTP RAF RAF RAF RAFIO RATIO RATIO (0- RATIO RATIO							V) LDT	+NOX FLEET (3751 LVW-85 (R) + MDPV (g/	00		MOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)			
*	1	*	1.10		0.02	C		0.065 *							

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.)



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 ELMonte, California on this 2014 day of May 2020.

Allen Lyons, Chief Emissions Certification and Compliance Division



FUEL TYPE

JAGUAR LAND ROVER LIMITED

ATT	AC	HM	ENT

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

	FUE																	
					G+NC g/mi)	x	(CO g/mi)			Ox /mi)		HCH (mg/r	-		PN (g/m		
				ERT	s	TD	CERT	STD		CERT	STD	CER	Т	STD	CEF	RT	STD	
FTP@5	DK	*		*		*	*	*		*	*	*		*	*		*	
FTP@L	GAS	ASOLINE- EV3 E10		0197	0.	030	0.8	1.0		*	*	* 0.00		4	0.0	01	0.003	
50°F @4		GASOLINE- LEV3 E10 0.		0181	. 0.	060	0.43	1.0		*	*	0.0	0	8				
					FUE						1	Ox (g/mi)						
					TOL		•			CI	ERT	STD		CER	T	;	STD	
HWFE	r @ 50K					*					*	*						
HWFE	T@UL			GAS	OLINI	E-LEV3	B E10			0.0	0082	0.03	D					
20°F	@ 50K					E-LEV3									9	1	.2.5	
			SF	TP E)	KHAUS	ST EMI	SSION	STANDA	RDS	AND C	ERTIFIC	ATION L	EVE					
						U	S06				SC03	5			STD CEF * * 4 0.00 8 CO (g CERT 0.59 COMPOS G+NOx (gi * * * * LEVELS			
	FUEL TYPE)G+NOx g/mi)		CO (g/mi)	1	PM (mg/mi)		G+NOx /mi)	x CO (g/mi)		NMOG+NOx (g/mi)		:0 /mi)	PM (mg/mi)	
			CERT		*		*	*			*	*						
@ 4K	*		STD		*		*				*	*						
			CERT	0	.0164		0.580	2.	7	0.	0102	0.52		*		*	*	
@ UL	GASOLI LEV3 1		STD	0	0.050		9.6	9.6 6		0.020		3.2				*	*	
			BIN															
		WH	IOLE VE	HICL	E EVA								ATIC	ON LEVE	LS			
						W	IOLE V	EHICLE	EVAF	ORAT	IVE TES	TING			1 /			
	ORATIVE			TYPE 3DHS (g/test) @ UL				2DHS (g/test) @ UL			JL		RL (g/mi) @ UL					
					CER	TS	TD	FEL	CE	RT	STD	FE	L	CE	RT		STD	
	MJLXR0175P1Z		GASOLIN LEV3 E	10	0.29	-	500	*		* 0.500 *					0.05			
	ORVR / F	UEL	ONLY /	CANIS	STER	BLEED	EVAP	ORATIVE	EMI	SSION	STAND	ARDS AN	D CE	RTIFICA	TION	LEVE	LS	
								F	UEL O	NLY EV	AP & CAN	IISTE	R BLEE	D				
	EVAPORATIVE		ORVR (g/gal						DHS RIG TEST g/test) @ UL			2DHS RIG (g/test) @				D CANISTER (g/test) @ 4K		
	AMILY	F	UEL TYP	EC	ERT	STD	FUEL TYPE			ERT	STD	CER		STD	CEF	1	STD	
MJLX	R0175P1	GA Z	SOLINE TIER 2	- 0	.01	0.20		OLINE- 73 E10		*	*	*		*	0.010		0.020	

\sim						
A	CA	LI	FO	R	N	IA
TIX	AIR	RESC	DURCE	ES	BOA	ARD

EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)									
EVAPORATIVE FAMILY	LEAK FAMILY	CERT	STD						
MJLXR0175P1Z	MJLXR0175P1Z-001	*	0.02						

*: not applicable; #: pounds; UL: useful life; PC: passenger car; LDT: light-duty truck; LDT1: LDT<6000#GVWR,0-3750#LVW; LDT2: _DT<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

2021 MODEL YEAR: VEHICLE MODELS INFORMATION												
MAKE MODEL VEH CLASS ENGINE (L) TRANS TYPE EVAPORATIVE EXH ECS												
LAND ROVER	DEFENDER 110 P400	LDT4	3.0	SA8	MJLXR0175P1Z	1	P					
LAND ROVER	DEFENDER 90 P400	LDT4	3.0	SA8	MJLXR0175P1Z	1	P					
LAND ROVER	DISCOVERY P360	LDT4	3.0	SA8	MJLXR0175P1Z	1	P					
LAND ROVER	RANGE ROVER P360	LDT4	3.0	SA8	MJLXR0175P1Z	1	P					
LAND ROVER	RANGE ROVER P400	LDT4	3.0	SA8	MJLXR0175P1Z	1	P					
LAND ROVER	RANGE ROVER SPORT P360	LDT4	3.0	SA8	MJLXR0175P1Z	1	₽					
LAND ROVER	RANGE ROVER SPORT P400	LDT4	3.0	SA8	MJLXR0175P1Z	1	P					