CALIFORNIA AIR RESOURCES BOARD	
147 II AIR RESOURCES BOARD	

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 GRO	UP IN	FOR	MATION					
MODE		EST GROUP		VEHIC	LE CLASS(E	S)		FUEL CATEGORY			FUEL TYPE		
2021	MF	JXJ02.5BUY		LDT1	, LDT2, PC	LDT2, PC			SINGLE FUEL		GASOLINE		
	USEFUL LIFE (miles) VEHICLE EMISSION CATEGORY INTERIM / INTERMEDIATE IN-U									RMEDIATE IN-USE STD			
EXH	I/ORVR	EVAF	>		FTP		SF	TP	FTP		SFTP		
15	0000	15000	0	LEV3	SULEV30	LEV	3 CC	MPOSITE	*		PM		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS									TATUS		ENGINE DISPLACEMENT		
1	TWC (	(2), WR-HO2	S, HC	D2S, DFI, EGR, EGRC				FULL	*				
*			1	*				ARTIAL	ALL MODELS		2.0, 2.5		
*			ł				10119-102-02	TIAL WITH	*				
		E	VAP	ORATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	Y INFORMATIO	N			
EVA	P / ORV	RFAMILY	EV	APORATIVE	STD CATE	GORY		EVAP EMISSION STD VEHICLE CLASS SI			SPECIAL FEATURES		
M	FJXR01	545GE	I	EV 3 OPTI	ION2 WITH	FEL	LDT1				HCT		
Þ	FJXR01	155AD	I	EV 3 OPTI	ION2 WITH	FEL		PC			HCT		
h	FJXR01	435DB	I	EV 3 OPTI	ION2 WITH	FEL	PC				HCT		
				I	EMISSION CI	REDIT	INFO	RMATION					
	EDIT FO	X FLEET AVE			EDIT FOR N ZERO-EVAP	ON-P	ZEV	NMOG C	REDIT FOR DO	R	OPTIONAL EXH. STD FOR WORK TRUCKS		
		N			N				N		N		
			( Constanting of the second	NMOG	AND FLEET	AVE	RAG	E INFORMA	TION				
MOG RAF	CH4 RAF	FTP NMOG/NMH RATIO	сно	HO/NMHC RATIO	PC+111 (0-3750 LV						MDV (10,001-14,000		
*	*	1.10		0.006	0	.058			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.)

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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 1677 day of March 2020.

Allen Mons, Chief Emissions Certification and Compliance Division

A	A	C		FO	RNI s boat	A RD	SUBARU CORPORATION			1	Executive Order: A-002-0239 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles Page 3 of 4						
÷	-1	-					ATTAC	СНМ	ENT		1-21	.*					
1.2	EXH	IAUS	T ANI	DEVA	PORAT	IVE EM	ISSION	STAN	IDAR		CERT	IFIC	ATION L	EVELS	1-12.7		
	S	EXH	AUST	EMISS	ON STAN	DARDS	AND CEP	RTIFICA	TION	LEVELS	(FTP, HW	/FET	, 50°F, 20°	F)			
	FL	UEL TY		monoxic adjustm ORVR [	de; NOx: c ent factor g HC/gallo	xides of 2DHS/3 on dispen	nitrogen; ł DHS [g H( sed]: on-b	HCHO: C/test]: poard re	formal 2/3 da fueling	dehyde; P ys diurnal y vapor rei	M: particu +hot-soak covery; g:	ulate ; RL gran	on-CH4 H0 matter; RA [g HC/mi]: n; mg: milli oplemental	F: reactiv running lo gram; mi:	ity oss;		
			the Con		OG+NOx g/mi)	1.000	CO (g/mi)	l'and		NOx g/mi)	n	HCHO (mg/mi)		Pl (g/r	19.50 (19.11)		
			F	CERT	<u> </u>	CE			CERT	1 12 2 2	CER		STD	CERT	STD		
TP@50	ĸ	*		*	*	*		*	*	*	*		*	*	*		
FTP@UL		ASOLII LEV3 E		0.014	3 0.03	0 0.	46 1.	. 0	*	*	0.0	)	4	0.0005	0.003		
50°F @4		ASOLII LEV3 E		0.018	2 0.06	0.	41 1.	. 0	*		0.0		8		· 授助例		
					FUEL T	YPE				MOG+N		4		CO (g/mi)			
							-			ERT	STD		CERT	CALLER CONTRACT	STD		
IWFET	@ 50	ĸ			*	Sec. 4	for the second second			* *		and a		NASE ASSERTATION			
HWFET	@ UI	Ľ.		GAS	SOLINE-1	LEV3 E1	0	-	0.	0040	0.030	C					
20°F @	) 50K	С	OLD C	O E10	REGULAR	GASOLI	NE (TIE	R3)					0.71	ter në stat juj Lange da s	10.0		
ile.	i ha ti	to the	1.21	SFTP E	XHAUST	EMISSIC	N STANE	DARDS	AND	CERTIFIC	ATION L	EVE	LS		d instead		
						US06	the second s		SC03					IPOSITE	1.1.1		
	FUEL	. TYPE		5.8	OG+NOx g/mi)	CO (g/m		PM g/mi)	1.1.1.1.1.1	)G+NOx g/mi)	CO (g/mi)	0.000	lOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi		
@ 4K		*	CER		*	*				*	*	·清朝) 其前的					
		-	STE		*	*			4	*	*						
	GASO	LINE-	CER	-	*	*		).2	- 24F	*	*	0.0115		0.73	*		
@ UL		8 E10	SIL		*	*	er a finte i the deriverse	6	·	*	*	-	0.077	4.2	*		
			BIN	<ul> <li>CHERCENSING</li> </ul>								4	0.050				
		W	HOLE	VEHICL	E EVAPC							ATIC	DN LEVEL	5			
EVAPO		VE	FUEL -	TYPE 3DHS (g/test) @ UL					2DHS (g/test) @ UL				RL (g/i		mi) @ UL		
FAN				CERT		STD	FEL	CE	RT	STD	FE	L	CER	r T	STD		
MFJXR0			GASOL LEV3		0.2532	0.300			852 0.300		0.3	0.300		0	0.05		
MFJXRO	GASOI		GASOL LEV3		0.1934	0.300	0.300	0.1	.706 0.300		0.3	0.300 0		0	0.05		
MFJXR0	)1545	GE	GASOL LEV3		0.2412	0.300	0.300	0.2	202	0.300	0.3	00	0.00	0	0.05		
			- <sup>3</sup>											N cert			

MC MX 4	CALIF	CES B	OARD	COF	SUBARU RPORATION		New Passer	nger Cars,	Sec. 2.	Frucks and ty Vehicles ige 4 of 4	
ORVR / FU	EL ONLY / CA	NISTER	BLEED	EVAPORAT	IVE EMISSION	PB 11				ELS	
EVAPORATIVE FAMILY	ORVR (g/	gallon) (	) UL	FUEL TYP	3DHS R	IG TEST		IG TEST ) @ UL	BLEED C		
	FUEL TYPE	CERT	STD	n an Arran an Arran an Arra Arran an Arran an Arra Arran an Arra an Arra	CERT	STD	CERT	STD	CERT	STD	
MFJXR01155AD	GASOLINE- TIER3 E10	0.009	0.20	GASOLINE LEV3 E1	さんだき しょうし きまい素 ひんちみたつ	*	*	*	0.0148	0.020	
MFJXR01435DB	GASOLINE- TIER3 E10	0.005	0.20	GASOLINE LEV3 E1	· 사람이 나 이 이 이 이 나는 것 같아?	n (n fer <b>t</b> ransf	*	*	0.0182	0.020	
MFJXR01545GE	GASOLINE- TIER3 E10	0.005	0.20	GASOLINE LEV3 E1	*	*	*	*	0.0136	0.020	
14. ÷	EFFECTIVE	LEAK D	IAMET	ER STAND	ARD AND CE	RTIFICA	TION LEV	EL (INCH	HES)	144.35	
EVAPORATIVE	FAMILY	LEA	K FAMIL	Y	CE	RT		4	STD		
MFJXR01435DB		MFJXR01435DB-5DB				ŧ.,	1	0.02			
MFJXR01545GE		MFJXR01545GE-5GE			10.2 1 1		5.8 ( size	0.02			
MFJXR01155AD		MFJXR0	1155AD	-5AD		e strap i i i		0.02			

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 guality 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 FAMILY	EXH ECS	OBC
SUBARU	CROSSTREK	LDT1	2.0	CV1,M6,SCV8	MFJXR01545GE	1 1 4	The P
SUBARU	CROSSTREK	LDT1	2.5	SCV8	MFJXR01545GE	1	P
SUBARU	FORESTER	LDT2	2.5	CV1,SCV7	MFJXR01545GE	1	<b>P</b>
SUBARU	IMPREZA 4-DOOR	PC	2.0	CV1,M5,SCV7	MFJXR01155AD	1	P
SUBARU	IMPREZA 4-DOOR SPORT	PC	2.0	SCV7	MFJXR01155AD		P
SUBARU	IMPREZA 5-DOOR	PC PC	2.0	CV1,M5,SCV7	MFJXR01155AD	1.1	P
SUBARU	IMPREZA 5-DOOR SPORT	PC	2.0	M5 , SCV7	MFJXR01155AD	1	P
SUBARU	LEGACY	PC	2.5	SCV8	MFJXR01435DB	1	P
SUBARU	OUTBACK	LDT2	2.5	SCV8	MFJXR01435DB	1	P