

VOLKSWAGEN GROUP OF AMERICA, INC.

Executive Order: A-413-0138

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	NFORI	MATION			:		
MOD	TEST GROUP VEHICLE CLASSIES						S(ES) FUEL CATEGORY				FUEL TYPE		
201	9 K	VGAV01.8APA		***************************************	PC				SINGLE FUEL HICLE		GASOLINE		
	USEFU	L LIFE (miles)		VEH	IICLE EMISS	ION C	ATE	ORY	INTERIM / IN	TERM	MEDIATE IN-USE STD		
EX	H/ORVR	EVAP			FTP		SF	TP	FTP		SFTP		
1	50000	150000)	LEV2	2 SULEV	I	EV 2	SFTP	*		*		
SPI	SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS							OBD S	TATUS	EN	NGINE DISPLACEMENT (L)		
1	WU-TWC, TWC, WR-HO2S, HO2S, DFI, TC, CAC, AIR							FULL	*				
*			*				Р	ARTIAL	ALL MODELS	1.8			
*			*				-1	TIAL WITH FINES	TITH *				
-		E,	/APO	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMILY	INFORMATION	1			
EV	AP / OR\	R FAMILY	EVA	PORATIVE	STD CATE	GORY	,	EVAP EMISSION STD VEHICLE CLASS			SPECIAL FEATURES		
	KVGAR0	110ABB		LEV 2				PC			*		
				E	EMISSION CI	REDIT	INFO	RMATION					
	REDIT F	OX FLEET AVE. OR EXTENDED RRANTY			EDIT FOR N ZERO-EVAP	ON-P	PZEV NMOG CREDIT FOR DOR			9 1	OPTIONAL EXH. STD FOR WORK TRUCKS		
		N			N				N .		N		
				NMOG	AND FLEET	AVE	RAGE	INFORMA	TION		+ 3		
NMOG RAF	CH4 RAF	FTP NMOG/NMHO RATIO	w 10 minoral and	HO/NMHC RATIO	P(:+1 1)1 (0-3/5					0 MDV (10,001-14,000			
*	*	1.04		0.03	0	.072			0.083		*		

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

_day of February 2019.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



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ATTACHMENT

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

FUEL TYPE

		NMOG (g/mi)		CO (g/mi)		NOx (g/mi)		HCHO (mg/mi)		P M (g/mi)	
。 王 [1] (1)		CERT	STD	CERT	STD	CERT	STD	CERT	STD	CERT	STD
FTP@50K	*	*	*	*	*	*	*	*	*	*	*
FTP@UL	GASOLINE - TIER 2 UNLEADED	0.0072	0.010	0.15	1.0	0.015	0.02	0.2	4	0.002	0.01
50°F @4K	GASOLINE - TIER 2 UNLEADED	0.0118	0.020	0.21	1.0	0.018	0.02	0.3	8		

	FUEL TYPE	NOx	(g/mi)	CO (g/mi)
	POEL TIPE	CERT	STD	CERT	STD
HWFET @ 50K	*	*	*		A STATE OF THE STATE OF
HWFET @ UL	GASOLINE - TIER 2 UNLEADED	0.009	0.03	建 等 等 等 等 图	
20°F @ 50K	GASOLINE-COLD CO HIGH OCTANE	2019年前最初的	SE TO THE	0.43	10.0

SFTP EXHAUST EMISSION STANDARDS AND CERTIFICATION LEVELS

14,1349				US06		SC0	3	COM	IPOSITE	
	FUEL TYPE		NMHC+NOx (g/mi)	CO (g/mi)	PM (mg/mi)	NMHC+NOx (g/mi)	CO (g/mi)	NMOG+NOx (g/mi)	CO (g/mi)	PM (mg/mi)
@ 4K	GASOLINE - TIER 2 UNLEADED	CERT	0.066	0.09		0.018	0.02			10%
		STD	0.14	8.0	"我说"。	0.20	2.7		Miller A	A Asset
		CERT	*	*	*	*	*	0.0345	*	*
@ UL	GASOLINE - TIER 2 UNLEADED	STD	*	*	*	*	*	0.090	*	*
		BIN						0.040	1	

WHOLE VEHICLE EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS

			WHOLE \						
EVAPORATIVE FAMILY	FUEL TYPE	3DH	S (g/test) @	D UL	2DI	HS (g/test) (@ UL		ni) @ UL
		CERT	STD	FEL	CERT	STD	FEL	CERT	STD
KVGAR0110ABB	GASOLINE - CA PHASE 2	0.274	0.35	*	0.254	0.35	*	0.000	0.05



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ORVR / FUEL ONLY / CANISTER BLEED EVAPORATIVE EMISSION STANDARDS AND CERTIFICATION LEVELS												
				FUEL ONLY EVAP & CANISTER BLEED								
EVAPORATIVE FAMILY	ORVR (g/	FUEL TYPE		3DHS R (g/test	IG TEST) @ UL	2DHS RIG TEST (g/test) @ UL		BLEED CANIST TEST (g/test) @				
	FUEL TYPE	CERT	STD			CERT	STD	CERT	STD	BLEED CAN TEST (g/test CERT	STD	
KVGAR0110ABB	GASOLINE - TIER 2 UNLEADED	0.014	0.20	GASOLI CA PHA	ASE 2	0.02	0.0	*	0.0		*	
	EFFECTIVE	LEAK D	IAMET	ER STA	NDARI	O AND CE	RTIFICA	TION LE	VEL (INC	IES)		
EVAPORATIVE	EVAPORATIVE FAMILY LEAK FAMIL			_Y	Y 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; NMOG + NOx Fleet Ave. Credit for Extended Warranty: N = no credits, Y = credits, S = credits for some/select models

2019 MODEL YEAR: VEHICLE MODELS INFORMATION

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
VOLKSWAGEN	GOLF ALLTRACK	PC	1.8	AMS 6	KVGAR0110ABB	1	P
VOLKSWAGEN	GOLF ALLTRACK	PC	1.8	М6	KVGAR0110ABB	1	P
VOLKSWAGEN	GOLF SPORTWAGEN	· PC	1.8	М6	KVGAR0110ABB	1	P
VOLKSWAGEN	GOLF SPORTWAGEN	PC	1.8	AMS 6	KVGAR0110ABB	1	·P