

VOLKSWAGEN GROUP OF AMERICA, INC.

Executive Order: A-413-0118-1
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 II	NFOR	MATION					
MODE YEAR	- 1	TEST GROUP VEHICLE CLASS(ES)						FUEL C	ATEGORY		FUEL TYPE		
2019	KV	GAV01.4V1P			PC			DEDICATED SINGLE FUEL VEHICLE			GASOLINE		
ı	JSEFUL	LIFE (miles)		VEHICLE EMISSION CATEGORY				GORY	INTERIM / IN	RMEDIATE IN-USE STD			
EXH	/ORVR	EVAP	FTP S			SF	FTP FTP			SFTP			
15	0000	150000		LEV3	SULEV30	EV30 LEV 3 COMPOS			NMOG+NOX AN	ID I	PM PM		
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD STATUS			ENGINE DISPLACEMEN		
WU-TWC, TWC, WR-HO2S, HO2S, DFI, AIR, TC, CAC								FULL	*	The second			
*	* *							ARTIAL	ALL MODELS	200	1.4		
*	* *							ARTIAL WITH * FINES			1		
		EV	APOF	RATIVE &	REFUELING	(EVA	P/OR	VR) FAMIL	INFORMATIO	V			
EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR						GORY	,		VAP EMISSION STD SPECIAL FE				
K	VGAR01	10VBD	L	LEV 2			PC			*			
				E	EMISSION C	REDI	r INF	ORMATION					
	EDIT FO	X FLEET AVE. R EXTENDED RANTY	NMOG CREDIT FOR NON-PZ ZERO-EVAP			ZEV	NMOG CREDIT FOR DOR			OPTIONAL EXH. STD FOR WORK TRUCKS			
N N						И				N			
NMOG AND FLEET AVERAGE INFORMATION													
NMOG RAF	NIMOG/NIMIEC 1					0-375		V) LDT					
*	* * 1.10 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).

BE IT FURTHER RESOLVED:

Evaporative family KVGAR0110VBD is certified pursuant to 13 CCR Section 1976(b)(1)(G)3 and deemed to comply with the requirements of 13 CCR Section 1976(b)(1)(G)1 ["LEV III evaporative requirements"].

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations.

This Executive Order hereby supersedes Executive Order A-413-0118 dated February 15, 2018.

The Bureau of Automotive Repair will be notified by copy of this Executive Order.

Executed at El Monte, California on this ______ day of November 2018.

Annette Hebert, Chief

Emissions Compliance, Automotive Regulations and Science Division



GASOLINE

TIER 2

UNLEADED

0.014

0.20

KVGAR0110VBD

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ATTACHMENT

	EX	HAU	IST	AND	EVA	POR	ATIVE	EMIS	SSION S	IAT	IDARE	S AND	CERTI	FIC	NOITA	LEVE	LS					
		Е	XHA	UST E	MISS	ION S	TANDA	RDS A	ND CERT	IFIC/	TION L	EVELS (FTP, HW	FET,	50°F, 20)°F)						
	F	FUEL	TYF	m ac Ol	onoxi Ijustn RVR	de; NC nent fac [g HC/g	x: oxide ctor; 2D gallon d	es of nit HS/3DI ispense	·CH4 orga trogen; H0 HS [g HC/ ed]: on-bo enheit; FT	CHO: test]: ard re	formalde 2/3 days fueling	ehyde; Pl s diurnal+ vapor rec	M: particu -hot-soak; :overy; g:	late r RL [gram	natter; R g HC/mi ; mg: mi	AF: rea]: runnir Iligram;	ctivi g lo	ty ss;				
										OG+N (g/mi)	Ox		CO (g/mi)			Ox 'mi)		HCH(PN (g/m	
					CER	г ;	STD	CER	T STE	,	CERT	STD	CER	Г	STD	CER	ГТ	STD				
FTP@5	oĸ	,	*		*		*	*	*		*	*	*		*	*	丁	*				
FTP@U	11 1	GASOLINE- TIER3 E10		1 0	.014	19 0	.030	0.12	2 1.0		*	*	* *		4 0.00		.1	0.003				
50°F @4	1121	GASO		1 0	.016	50 0	.060	0.08	3 1.0)	*	*	0.2		8 ,							
					FIIEL TYPE						NMOG+NOx (g/mi)				CO (g/mi)							
					FUEL TYPE						CE	CERT ST		CERT		Т	STD					
HWFET	@ 5	0K			5		*		* .		,	*	. *									
HWFE	т@ι	JL		,	GA	SOLIN	E-TIER	3 E10			0.0054		0.030									
20°F	@ 501	ĸ	CO	LD CO	E10	REGU	LAR GA	SOLIN	E (TIER	TIER3)			C		0.4	45 10		.0.0				
				SI	TP E	XHAU	ST EMI	SSION	STANDA	RDS	AND C	ERTIFIC	ATION LE	VEL	S							
							L	US06			SC03				COMPOSITE							
	FUEL 1		PE			IOG+N (g/mi)	OG+NOx (g/mi)		Pi (mg/		NMOG+NOx (g/mi)		CO NN (g/mi)		MOG+NOx (g/mi)		o ni)	PM (mg/mi)				
@ 4K	@ 4K		CE		RT *		*			*		*										
				STD	D *		*			*		*										
				CERT		*		* 1.		8		*	*	0.0184		0.	59	*				
@ UL		ASOLINE- S		18101		D *		* 6		i		*	*	0.090		4.	2	*				
		ВІ												C	0.040							
			WH	OLE VE	HIC	LE EVA	APORA	TIVE E	MISSION	STA	NDARD	S AND C	ERTIFIC	OITA	N LEVE	LS						
							WH	IOLE /	/EHICLE	EVAF	ORATI	VE TEST	ING		_							
EVAPORATIVE FAMILY			FUEL TYPE					/test) @ UL			2DHS (g/test)		@ UL		RL (g/mi) @		_					
			GASOLINE -		-			TD FEL		RT	STD	FEL		CEF			STD					
KVGAR0110VBD		VBD	CA PHASE 2			0.27	4 0	.35 *		0.2	251 0.35		*	* 0		000 0.05		0.05				
	ORVR	/ FUI	EL C	ONLY /	CAN	STER	BLEED	EVAP	ORATIVE								EVE	LS				
	 -	=1.7=								JEL ONLY EVAP & CANISTE						-	MOTTE					
	EVAPORATIVE FAMILY			UKVK (/R (g/gallon) @ UL			FUEL TYPE			OHS RIG TEST g/test) @ UL			2DHS RIG TI (g/test) @ l		BLEED CANIS						
			FU	EL TYF	E	ERT STD					RT	STD	CERT		STD	CERT	• T	STD				

GASOLINE -

CA PHASE 2

0.03

0.0

0.0



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EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (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; 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 ECŚ	OBD
VOLKSWAGEN	GOLF	PC	1.4	SA8	KVGAR0110VBD	1	P
VOLKSWAGEN	GOLF	PC	1.4	м6	KVGAR0110VBD	1	P
VOLKSWAGEN	GOLF SPORTWAGEN	PC	1.4	SA8	KVGAR0110VBD	1	P
VOLKSWAGEN	GOLF SPORTWAGEN	PC	1.4	м6	KVGAR0110VBD	1	P
VOLKSWAGEN	JETTA	PC	1.4	м6	KVGAR0110VBD	1	P
VOLKSWAGEN	JETTA	PC	1.4	SA8	KVGAR0110VBD	1	P