

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	FOR	MATION					
MOD		EST GROUP		VEHICLE CLASS(ES)				FUEL CATEGORY			FUEL TYPE		
201	9 K	VGAT03.6VAS	T03.6VAS LDT2, LDT3					DEDICATED SINGLE FUEL VEHICLE			GASOLINE		
USEFUL LIFE (miles) VEHICLE EMISSION (								GORY INTERIM / INTERMEDIATE IN-USE STD					
EX	H/ORVR	EVAP	1	FTP SI			FTP FTP			SFTP			
1	50000	15000	LEV3	ULEV70	LEV 3 COMPOS			NMOG+NOX		*			
SPECIAL FEATURES & EXHAUST EMISSION CONTROL SYSTEMS								OBD S	TATUS	E	NGINE DISPLACEMENT (L)		
1	2₩	U-TWC, 2TWC,	-HO2S, 2H	HO2S, DFI			FULL	*					
*			*				F	ARTIAL ALL MODELS 3.			3.6		
*		4.   e					TIAL WITH *						
EVAPORATIVE & REFUELING (EVAP/ORVR) FAMILY INFORMATION													
EVA	EVAP / ORVR FAMILY EVAPORATIVE STD CATEGOR								EVAP EMISSION STD VEHICLE CLASS SPECIAL FEATURE				
	KVGAR0135VCS LEV 3 OPTION2 WITH FEL							LD	<b>T</b> 2		*		
			<u> </u>	I	EMISSION CI	REDIT		ORMATION					
	NMOG+NOX FLEET AVE. CREDIT FOR EXTENDED WARRANTY										OPTIONAL EXH. STD FOR WORK TRUCKS		
	N N								N	N			
				NMOG	AND FLEET	AVE	RAGI	INFORMA	TION				
NMOG RAF						0-375		/) LDT (3751 LVW-8500 MDV (10,001-1			IMOG+NOX FLEET STD MDV (10,001-14,000 GVWR) (g/mi)		
*	*	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.)

## 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 August 2018.

Annette Hebert, Chief Emissions Compliance, Automotive Regulations and Science Division

R	A		AL R RES		R N ES B	VIA	VO	UKSWA			5	E New Pass		r Cars, Li	edium-Dut			
							A	TTAC	HME	INT								
	EXH	HAUS	ST AN	DEVA	POF	ATIVI		SION	STAN	DAF	RDS AN	D CERT	IFIC	ATION	LEVEL	S		
			-		_					_		(FTP, HV	-					
	FUEL TYPE CH4: methane; NMOG: non-CH4 organic gas; HC: hydrocarbon; NMHC: non-CH4 Here monoxide; NOx: oxides of nitrogen; HCHO: formaldehyde; PM: particulate matter; RA adjustment factor; 2DHS/3DHS [g HC/test]: 2/3 days diurnal+hot-soak; RL [g HC/mi]: ORVR [g HC/gallon dispensed]: on-board refueling vapor recovery; g: gram; mg: milli 1000 miles; F: degrees Fahrenheit; FTP: federal test procedure; SFTP: supplemental											AF: reacti : running ligram; mi	vity loss;					
				NMOG+NOx			со			NÓx		HCI				M		
				(g/mi)				(g/mi)			g/mi)		mg/mi)			mi)		
	-			CERT	-	STD	CERT			ERT			T	STD	CERT	STD		
FTP@50	_	*		*		*	*	*		*	*	*		*	*	*		
FTP@U	T:	ASOL: IER3	E10	0.036	5 0	0.070	0.46	1.	7	*	*	* *		4 ·	0.005	0.01		
FOOD MAKE		GASOLINE- TIER3 E10		0.033	0 0	.140	0.17	.7 1.	7	*	. *	*		16	1			
					E11		E			1	MOG+N	Ox (g/mi)			CO (g/mi	)		
FUEL TYP						E	CI		ERT	RT STD		CER	Г	STD				
HWFET @ 50K				*							*	*						
HWFET @ UL GASOLINE-TIER3					R3 E10			0.0163		0.070		1						
20°F@50K COLD			COLD C	CO E10 REGULAR GASOLINE (TIER3)					R3)		1000			0.76		12.5		
				SFTP E	XHAL	JST EM	ISSION	STAND	ARDS	ND	CERTIFIC	CATION L	EVEL	S				
						1	US06			SC03 NMOG+NOx (g/mi)		3	CO			MPOSITE		
	FUEL T		E	NMOG+NOx (g/mi)			CO (g/mi)		M (/mi)			CO (g/mi)			CO (g/mi)	PM (mg/m		
AK		CE		ERT *		*				*	*							
@ 4K	1	-	STE	)	*	-	*				*	*						
	CASOL THE		CER		*		*		*		*	*	0	.0559	1.70	*		
@ UL			IST		*		*		*		*	*		0.090	4.2	*		
			BIN										(	0:080				
		v	VHOLE	VEHICL	EEV	APORA	TIVE EI	MISSION	STAN	DAR	DS AND	CERTIFIC	ATIO	N LEVEL	S			
						W	HOLE V	EHICLE	EVAPO	RAT	IVE TES	TING						
EVAPORATIVE FAMILY FUEL			FUEL	TYPE 3DHS (g		g/test) @ UL			2DHS (g/test) @		)@UL	D UL		RL (g/mi) @ UL				
			CERT		RT S	STD FEL		CERT		STD	FEI	FEL		Т	STD			
RUGAR0135VCS		GASOL TIER3	10 27701 0		.400 0.400		0.26	0.2620 0		0.400		0.000		0.05				
0	RVR /	FUE	LONLY	/ CANIS	TER	BLEED	EVAPO	ORATIV	EEMIS	SION	STANDA	RDS AND	CER	RTIFICAT	ION LEV	ELS		
									FU	EL O	NLY EVA	P & CAN	ISTE					
EVAPO				/R (g/gallon) @ UL			FUEL TYPE			HS RIG TEST		2DHS RIG (g/test) @				D CANISTER (g/test) @ 4M		
FAMILY				YPE CERT STD		STD				g/test) @ UL ERT STD		CERT			CERT	STD		
KVGAR0135VCS			GASOLI	NE- 0	010	0.20	GASOLINE-		*		*			*	0.016	0.020		
FAMILY FUEL			FUEL T GASOLI TIER3	NE- 0		STD 0.20	GASC		CEF		STD	CERT		STD	C	ERT		

	FORNIA urces board	VOLKSWAGEN GROUP OF AMERICA, INC.		Executive Order: A-413-0121 New Passenger Cars, Light-Duty Trucks Medium-Duty Vehic Page 4 of									
EFFECTIV	EFFECTIVE LEAK DIAMETER STANDARD AND CERTIFICATION LEVEL (INCHES)												
EVAPORATIVE FAMILY	LEAK FAMILY		CERT	-	STD								
KVGAR0135VCS	KVGAR0135VCS-0	01	. *		0.02								
<sup>1</sup> : 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: medium- duty 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; AVS: automated manual-selectable transmission; OT: other transmission; AER: all-electric r													
2019 MODEL YEAR: VEHICLE MODELS INFORMATION													

MAKE	MODEL	VEH CLASS	ENGINE (L)	TRANS TYPE	EVAPORATIVE FAMILY	EXH ECS	OBD
VOLKSWAGEN	ATLAS	LDT2	3.6	SA8	KVGAR0135VCS	1	P
VOLKSWAGEN	ATLAS 4MOTION	LDT3	3.6	SA8	KVGAR0135VCS	1	P

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