File

(Page 1 of 2)

State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-189 Relating to Certification of New Motor Vehicles

VOLKSWAGEN AG

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1996 model-year Volkswagen AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Diesel

Engine Family: TVW1.9V6DFZE Displacement: 1.9 Liters (116 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Direct Fuel Injection Turbocharger Charge Air Cooler Three Way Catalytic Converter Exhaust Gas Recirculation

Vehicle models, transmissions, engine codes are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

Miles_	Non-Methane Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen Oxides	<u>Particulates</u>
50,000	n/a	n/a	n/a	0.08
100,000	0.31	4.2	1.0	n/a

The certification exhaust emission values for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon <u>Monoxide</u>	Nitrogen Oxides	<u>Particulates</u>
50,000	n/a	n/a	n/a	0.06
100,000	0.13	0.1	0.9	n/a

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the fleet average non-methane organic gas (NMOG) exhaust mass emission requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models are not subject to the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(5.0) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 18th day of December 1995.

/

R B. Summerfield
Assistant Division Chief
Mobile Source Division

PAGE NO.: 17.05. -01 E.O.# A-7-189 Page 1 of 1

1996 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES

### Property of the first station wagon Exh Eng Fam: **TMN 1.9 v6DFZE	Manufacturer:	VOLKSWAGEN	Exh 8	Ing Fam	TWW	1.9 V6DFZE	Evap Fam:	n.a.
Xh Std: CA Tier-1 X TLEV	Manuracturer.	in Eng Fam: C	— A	49S		50S_X_ AB	965	
Name	All and Codes	Har-1 X TE	v	LEV	_ ຫ	EVZEV_	; US EI	PA Tier-1 X
### Class (es): PC_X_ LDT1 LDT2 MDV1 MDV2 MDV3 MDV4 MDV5 ingle Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4) **Well Type (s): Dedicated X Flex-Fuel Dual-Fuel Bi-Fuel Gasoline Diesel_X_	exh Sta: CAI	Heaful Lif	e with 1	—·——	 In-ι	ıse Exh Std: F	ull In Use_X_	Alt In Use
Table Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4) The translation of the content of th								
Table Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4) The translation of the content of th	Veh Class(es):	PC_X_LDT1	LDT2	M	DV1	MDV2	WDV3 WDV4	4 MDV5
CNG LNG LPG M85 Other (specify)	Single Cert St	d for Multi-Cla	ss Eng	Fam: N/	A (spe	ecify: N/A, LD	T1, MDV1, MDV	2, MDV3, MDV4)
CNGLNGLPGM85Other (specify) miss Test Fuel(s): IndoPh2CNGLPGM85Other (specify) Diesel: 13 CCR 228240 CFR 86.113-9040 CFR 86.113-94_X Service Accum: Std AMA_X Mod AMAMfr ADPOther (specify) MCG Test Procedure: N/A_X StdEquivR/L Test Proc: SHED_n.a Pt Source n.a Mybrid: Type ABCAPU Cycle (e.g., Otto, Diesel, Turbine) Engine Config. 4 in line Displacement:1.9								
Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94_X Service Accum: Std AMA_X Mod AMA Mfr ADF Other (specify) MMOG Test Procedure: N/A_X Std Equiv R/L Test Proc: SHED_n_a Pt Source n_a Hybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine) Engine Config. 4 in line Displacement: 1.9 Liters 116 Cubic Inches Valves per Cylinder: 2 Rated HP: 90 @ 5.500 RFM Engine: Front X_Mid. Rear Drive: FWD_X_RWD 4WD-FT 4WD-PT_ Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) DFI / TC / CAC / TWC / EGR OBDI Exempton Engine Code Vehicles Trans. ETW DPA Ignition EGR Catalytic (also list Models Type or or (ECM/PCM) System Converter (also list (if codded see A-auto attachment: M-man. WT Part No. Part N	Fuel Type(s):	Dedicated X F	lex-Fue	1 D	ual-Fi	uel Bi-Fuel	Gasoline	Diesei_A_
Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94_X Service Accum: Std AMA_X		CNG LNG	LPG	M85	_ Othe	er (specify)		
Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94_X Service Accum: Std AMA_X	Emiss Test Fue	el(s): Indo	Ph2	CNG	LPG	_ M85 Other	(specify)	
Service Accum: Std AMA X Mod AMA Mfr ADP Other (specify) MOG Test Procedure: N/A X Std Equiv R/L Test Proc: SHED_n.a Pt Source n.a Aybrid: Type A B C APU Cycle (e.g., Otto, Diesel, Turbine) Engine Config. 4 in line Displacement: 1.9 Liters 116 Cubic Inches Valves per Cylinder: 2 Rated HP: 90 © 5.500 RPM Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) DFI / TC / CAC / TWC / EGR OBDI Green (use abbreviations per SAE 1930 SEP91) Engine Code Vehicles Trans. ETW DPA Ignition EGR Catalytic (also list Models Type or or (ECM/PCM) System Converter CA/49ST/50ST (if codded see A-auto Test RLHP attachment) M-man. WT Part No. Part No. Part No.		Diesel:	13 CCR	2282	4	CFR 86.113-9	0 40 CF	R 86.113-94 <u>X</u>
MOG Test Procedure: N/A X Std_ Equiv R/L Test Proc: SHED_n.a Pt Source n.a Mybrid: Type A_B_C_ APU Cycle (e.g., Otto, Diesel, Turbine) Engine Config. 4 in line Displacement: 1.9 Liters 116 Cubic Inches Valves per Cylinder: 2 Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exchaust ECS (eg., EGR, MFI, TC, CAC, etc.) DFI / TC / CAC / TWC / EGR DBDI Green (use abbreviations per SAE 1930 SEP91) Engine Code Vehicles Trans. ETW DPA Ignition EGR Catalytic (also list Models Type or or (ECM/PCM) System Converter (also list Models Type or or (ECM/PCM) System Converter (if codded see A-auto Test RLHP Part No. Part No. Part No. 12 Passat (TDI) M 3,375 6.8 028 806 021 BK 028 129 711 J 028 131 701 F 13 Passat (TDI) M 3,375 6.8 028 806 021 BK 028 129 711 J 028 131 701 F								
Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Apy Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Rated HP: 90 © 5.500 RPM Apu Cycle (e.g., Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Diesel, Turbine) Apu Cycle (e.g., Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Turbine) Apu Cycle (e.g., Diesel, Turbine) Apu Cycle (e.g., Otto, Diesel, Die	Service Accum:	std AMA_X_	Mod A	MA	MILL	ADPOther	CHED R =	Dt Source D a
Engine Config. 4 in line Displacement: 1.9 Liters 116 Cubic Inches Valves per Cylinder: 2 Rated HP: 90 © 5.500 RPM Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) DFI / TC / CAC / TWC / EGR OBDI Exemple (use abbreviations per SAE 1930 SEP91) ChD I Exemple Engine Code Vehicles Trans. ETW DPA Ignition EGR Catalytic (also list Models Type or or (ECM/PCM) System Converter CA/49ST/50ST (if codded see A-auto Test RLHP attachment) M-man. WT Part No. Part No. 12 Passat (TDI) M 3,375 6.8 028 806 021 BK 028 129 711 J 028 131 701 F 50 ST sedan/ No. Part No. Part No.	NMOG Test Prod	cedure: N/A_X_	std	_ Equ	iiv	R/L Test F	roc: Shed_H.a	Pt Jource ma
Rated HP: 90 © 5.500 RPM Engine: Front X Mid. Rear _ Drive: FWD X RWD _ 4WD-FT _ 4WD-PT_ Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.)	Hybrid: Type 1	A B C	APU Cy	cle (e.	g., 0	tto, Diesel, 1	turbine)	···
Rated HP: 90 © 5.500 RPM Engine: Front X Mid. Rear _ Drive: FWD X RWD _ 4WD-FT _ 4WD-PT_ Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.)		4 im lima	Dieplac	ement.		1.9 Liter	rs <u>116</u>	Cubic Inches
Engine: Front X Mid. Rear Drive: FWD X RWD 4WD-FT 4WD-PT			DISPIAC	.ciiiciic .		Rated HP	90 @_	5,500 RPM
Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) DFI / TC / CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) DBD I Exemple Code (use abbreviations per SAE 1930 SEP91) CAPT CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) DBD I Exemple Code (use abbreviations per SAE 1930 SEP91) CAC / GRC / TWC / EGR (use abbreviations per SAE 1930 SEP91) CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) EXEMPLE CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) EXEMPLE CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) EXEMPLE CAC / TWC / EGR (use abbreviations per SAE 1930 SEP91) EXEMPLE CAC / TWC / EGR CAC / TWC / EG	Valves per Cy	linder: 2	_					
Engine Code Vehicles Trans. ETW DPA Ignition EGR Catalytic (also list Models Type or or (ECM/PCM) System Converter (if codded see A-auto Test RLHP Part No. Part No. Part No. 1Z Passat (TDI) M 3,375 6.8 028 806 021 EK 028 129 711 J 028 131 701 F 50 ST sedan/ Sedan/ 140 906 627 140 906 627 140 906 627	Engine: Front	t X Mid	Rear _	1	rive:	FWD A RWI		OBDI Exemp
Engine Code Vehicles Trans. ETW DPA Ignition EGR Catalytic (also list Models Type or or (ECM/PCM) System Converter (if codded see A-auto Test RLHP Part No. Part No. Part No. 1Z Passat (TDI) M 3,375 6.8 028 806 021 EK 028 129 711 J 028 131 701 F 50 ST sedan/ Sedan/ 140 906 627 140 906 627 140 906 627	Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) DFI / TC / CAC / TWC / EGR							
Engine Code (also list Models Type or Or (ECM/PCM) System Converter CA/49ST/50ST (if codded see A-auto Test RLHP Part No. Part No. Part No. Part No. 12 Passat (TDI) M 3,375 6.8 028 806 021 BK 028 129 711 J 028 131 701 F 140 906 627					, .			OBDIA
(also list CA/49ST/50ST Models (if codded see attachment) Type A-auto A-auto M-man. or Test RLHP WT (ECM/PCM) System Convertor 1Z 50 ST Passat (TDI) sedan/ M 3,375 6.8 028 806 021 EK 028 129 711 J 140 906 627 028 131 701 F 140 906 627	Engine Code	Vehicles	Trans.	ETW	DPA		1	- t
attachment) M-man. WT Part No. Part No. Part No. 1Z Passat (TDI) M 3,375 6.8 028 806 021 BK 028 129 711 J 028 131 701 F 140 906 627	(also list	Models		1		(ECM/PCM)	System	Converter
1Z Passat (TDI) M 3,375 6.8 028 806 021 BK 028 129 711 J 028 131 701 F 140 906 627	CA/49ST/50ST				RLHP	Part No.	Part No.	Part No.
50 ST sedan/ 1H0 906 627		attachment;	M-Man.	NI.				
50 ST sedan/ 1H0 906 627								000 121 701 F
50 ST sedan/			М	3,375	6.8	028 806 021 BK	1HO 906 627	028 131 701 1
	50 ST					,		
	!	30402011 1149	Ì	•				
	1							
	1							
	:							
							1	
					•			
	_		<u></u>	<u> </u>	<u> </u>	<u></u>	<u> </u>	

Date Issued: 09-15-95

Revisions: