Mile

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-204
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 1999 model-year Volkswagen AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: XVWXV02.8221 Displacement: 2.8 Liters (170 Cubic Inches)

Exhaust Emission Control Systems and Special Features: Tier 2

Sequential Multiport Fuel Injection
Secondary Air Injection
Three Way Catalytic Converter
Heated Oxygen Sensors (Two)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	n/a

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

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.11	1.6	0.1	4.6
100,000	0.11	1.6	0.1	n/a

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

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

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, 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 "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) 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.).

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 NMOG exhaust mass emission requirements as set forth in the "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.

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 27th day of May 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

1999 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES

Manufacturer: VOLKSWAGEN Exh Eng Fam: XVWXV02.8221 Evap Fam: XVWXE0090233
All Eng Codes in Eng Fam: **CA**___ **49S**___ **50S** X **AB965**___ ORVR: YES__ NO X
Exh Std: CA Tier-1 X TLEV___ LEV___ ULEV___ SULEV___ ; US EPA Tier-1 X
Veh Class(es): PC X LDT1___ LDT2___ MDV1___ MDV2___ MDV3___ MDV4___ MDV5___
Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)
Fuel Type(s): Dedicated X Flex-Fuel___ Dual-Fuel___ Bi-Fuel___ Gasoline X Diesel___
CNG___ LNG___ LPG___ M85___ Other (specify)___
Exh Emiss Test Fuel(s): Indo___ CBG X CNG___ LPG___ M85___ Other (specify)___
Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___
Evaporative Emission Test Procedure: California X Federal ___
Service Accum: Std AMA X Mod AMA___ Mfr ADP___ Other (specify)___
NMOG Test Procedure: N/A X Std___ Equiv___ R/L Test Proc: SHED n.a Pt Source X
Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)___
Engine Config. V6 Displacement: 2.8 Liters 170 Cubic Inches
Valves per Cylinder: 2 Rated HP: 172 @ 5,800 RPM
Engine: Front X Mid. ___ Rear ___ Drive: FWD X RWD ___ 4WD-FT ___ 4WD-PT___
Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) SFI / AIR / TWC / HO2S(2) / OBDII
(use abbreviations per SAE 1930 SEP91)

Engine Code (also list CA/49ST/50ST	Vehicles Models (if codded see attachment)	Trans. Type A-auto M-man.	ETW or Test WT	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
AAA 50 ST	Jetta GLX VR6	M	3,250	7.0	021 906 259 N	-	1HM 131 701 H
AAA 50 ST	Golf GTI VR6	M	3,125	7.0	021 906 259 N	-	1HM 131 701 H
AAA 50 ST	Jetta GLX VR6	A	3,250	6.3	021 906 259 N	-	1HM 131 701 H

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