File

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-202
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 1998 model-year Volkswagen AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Diesel

Engine Family: WVWXV01.9233 Displacement: 1.9 Liters (116 cubic inches)

Exhaust Emission Control Systems & Special Features:

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

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	Particulates
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 Monoxide	Nitrogen Oxides	Particulates
50,000	n/a	n/a	n/a	0.06
100,000	0.03	0.2	0.7	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 "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 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 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 24th day of February 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

1998 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES

Manufacturer: VOLKSWAGEN Exh Eng Fam WVWXV01.9233 Evap Fam: n.a.

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 ___ Diesel X

CNG ___ LNG ___ LPG ___ M85 ___ Other (specify) ____

Exh Emiss Test Fuel(s): Indo ___ CBG ___ CNG ___ LPG ___ M85 ___ Other (specify) ____

Diesel: 13 CCR 2282 ___ 40 CFR 86.113-90 ___ 40 CFR 86.113-94 X

Evaporative Emission Test Procedure: California n.a. Federal n.a.

Service Accum: Std AMA ___ Mod AMA ___ Mfr ADP X Other (specify) ____

NMOG Test Procedure: N/A X Std ___ Equiv ___ R/L Test Proc: SHED n.a PtSource n.a

Engine Config. 4 in line Displacement: 1.9 Liters 116 Cubic Inches

Valves per Cylinder: 2 Rated HP: 90 @ 3,750 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 / OC / EGR / 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.
ALH 50 ST	New Beetle TDI Diesel sedan	M	3,125	8.0	038 906 018 M 038 906 018 BD	038 131 501 A 038 131 501 A 1H0 906 627	045 131 701 B
ALH 50 ST	New Beetle TDI Diesel sedan	A	3,250	7.8	- " -	- " -	- " -

Date Issued: 11-17-97

Revisions: ____ | ____ | ____