Fuel

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-191-A
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 1997 model-year Volkswagen AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VVW2.0V8GKEM Displacement: 2.0 Liters (121 Cubic inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection
Secondary Air Injection (Passat Models Only)
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:

Mile	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:

Mile	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides	Carbon Monoxide (20°F)
50,000	0.12	1.7	0.2	5.8
100,000	0.12	1.7	0.2	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 vehicle manufacturer is certifying the listed vehicle models to the 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 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 manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines").

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 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 26th day of July 1996.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES

Manufacturer: VOLKSWAGEN Exh Eng Fam: ~~VWV~~ VVW2.0V8GKEM Evap Fam: VVW1045BYPAV

All Eng Codes in Eng Fam: **CA**___ **49S**___ **50S** X **AB965**___

Exh Std: CA Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ ; US EPA Tier-1 X

Evap Std: 50K X Useful Life with R/L ___ In-use Exh Std: Full In Use X Alt In Use___

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)___

Emiss Test Fuel(s): Indo X Ph2___ CNG___ LPG___ M85___ Other (specify)___
Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Service Accum: Std AMA X Mod AMA___ Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A X Std___ Equiv___ R/L Test Proc: SHED___ Pt Source___

Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)___

Engine Config. 4 / in line Displacement: 2.0 Liters 121 Cubic Inches

Valves per Cylinder: 2 Rated HP: 115 @ 5,400 RPM

Engine: Front X Mid. ___ Rear ___ Drive: FWD X RWD ___ 4WD-FT ___ 4WD-PT___

Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) SFI / TWC / HO2S (2)
(use abbreviations per SAE 1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicles Models (if coded 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.
ABA 50 ST	Cabrio	A	3,125	7.6	037 906 259 B	-	1HM 131 701 Q
ABA 50 ST	Cabrio	M	3,000	8.0	037 906 259 B	-	1HM 131 701 Q

Date Issued: 02-19-96

Revisions: ___ | ___ | ___ | ___ | ___

E.O.# A-7-191-A

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES

Manufacturer: VOLKSWAGEN Exh Eng Fam: ~~VWV~~ VVW2.0V8GKEM Evap Fam: VVW1045BYPAV

All Eng Codes in Eng Fam: **CA**___ **49S**___ **50S** X **AB965**___

Exh Std: CA Tier-1 X TLEV___ LEV___ ULEV___ ZEV___ ; US EPA Tier-1 X

Evap Std: 50K X Useful Life with R/L ___ In-use Exh Std: Full In Use X Alt In Use___

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)___

Emiss Test Fuel(s): Indo X Ph2___ CNG___ LPG___ M85___ Other (specify)___
Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Service Accum: Std AMA X Mod AMA___ Mfr ADP___ Other (specify)___

NMOG Test Procedure: N/A X Std___ Equiv___ R/L Test Proc: SHED___ Pt Source___

Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)___

Engine Config. 4 / in line Displacement: 2.0 Liters 121 Cubic Inches

Valves per Cylinder: 2 Rated HP: 115 @ 5,400 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)
(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.
ABA-A 50 ST	Passat sedan	M	3,250	6.8	037 906 259 C	-	1HM 131 701 Q
ABA-A 50 ST	Passat sedan	A	3,250	5.9	037 906 259 C	-	1HM 131 701 Q
ABA-A 50 ST	Passat wagon	M	3,250	6.8	037 906 259 C	-	1HM 131 701 Q
ABA-A 50 ST	Passat wagon	A	3,375	5.9	037 906 259 C	-	1HM 131 701 Q

Date Issued: 02-19-96

Revisions: ___ | ___ | ___ | ___ | ___ | ___

1997 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDUM-DUTY VEHICLES

Manufacturer: VOLKSWAGEN Exh Eng Fam: VWV2.0V8GKEM Evap Fam: VVW1045BYPAV

All Eng Codes in Eng Fam: **CA**____ **49S**____ **50S** X **AB965**____

Exh Std: CA Tier-1 X TLEV____ LEV____ ULEV____ ZEV____ ; US EPA Tier-1 X

Evap Std: 50K X Useful Life with R/L ___ In-use Exh Std: Full In Use X Alt In Use___

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)_____

Emiss Test Fuel(s): Indo X Ph2___ CNG___ LPG___ M85___ Other (specify)_____
Diesel: 13 CCR 2282___ 40 CFR 86.113-90___ 40 CFR 86.113-94___

Service Accum: Std AMA X Mod AMA___ Mfr ADP___ Other (specify)_____

NMOG Test Procedure: N/A X Std___ Equiv___ R/L Test Proc: SHED___ Pt Source___

Hybrid: Type A___ B___ C___, APU Cycle (e.g., Otto, Diesel, Turbine)_____

Engine Config. 4 / in line Displacement: 2.0 Liters 121 Cubic Inches

Valves per Cylinder: 2 Rated HP: 115 @ 5,400 RPM

Engine: Front X Mid. ___ Rear ___ Drive: FWD X RWD ___ 4WD-FT ___ 4WD-PT___

Exhaust ECS (eg., EGR, MFI, TC, CAC, etc.) SFI / TWC / HO2S (2)
(use abbreviations per SAE 1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicles Models (if coded 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.
ABA ABA-01 50 ST	Cabrio	A	3,125	7.6	037 906 259 B 037 906 259 F 037 906 259 P	-	1HM 131 701 Q
ABA ABA-01 50 ST	Cabrio	M	3,000	8.0	037 906 259 B 037 906 259 F 037 906 259 P	-	1HM 131 701 Q
ABA ABA-01 50 ST	Cabrio	M	3,125	8.0	037 906 259 B 037 906 259 F 037 906 259 P	-	1HM 131 701 Q

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