

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-192  
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: VVW2.8V8GFGM Displacement: 2.8 Liters (170 Cubic inches)

Exhaust Emission Control Systems & Special Features:

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:

| <u>Mile</u> | <u>Non-Methane Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Carbon Monoxide (20°F)</u> |
|-------------|---------------------------------|------------------------|------------------------|-------------------------------|
| 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:

| <u>Mile</u> | <u>Non-Methane Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Carbon Monoxide (20°F)</u> |
|-------------|---------------------------------|------------------------|------------------------|-------------------------------|
| 50,000      | 0.10                            | 1.0                    | 0.1                    | 4.6                           |
| 100,000     | 0.10                            | 1.0                    | 0.1                    | 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 listed 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.

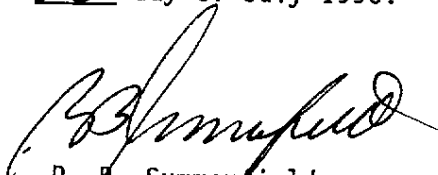
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

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 26<sup>th</sup> 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: VW2.8V8GFGM Evap Fam: VVW1045BYPAV  
All Eng Codes in Eng Fam: CA 49S 50S  AB965  
Exh Std: CA Tier-1  TLEV  LEV  ULEV  ZEV  ; US EPA Tier-1   
Evap Std: 50K  Useful Life with R/L  In-use Exh Std: Full In Use  Alt In Use   
Veh Class(es):  PC  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  Flex-Fuel  Dual-Fuel  Bi-Fuel  Gasoline  Diesel   
CNG  LNG  LPG  M85  Other (specify) \_\_\_\_\_  
Emiss Test Fuel(s): Indo  Ph2  CNG  LPG  M85  Other (specify) \_\_\_\_\_  
Diesel: 13 CCR 2282  40 CFR 86.113-90  40 CFR 86.113-94   
Service Accum: Std AMA  Mod AMA  Mfr ADP  Other (specify) \_\_\_\_\_  
NMOG Test Procedure: N/A  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. 6, V in line Displacement: 2.8 Liters 170 Cubic Inches  
Valves per Cylinder: 2 Rated HP: 178 @ 5,800 RPM  
Engine: Front  Mid.  Rear  Drive: FWD  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<br>(also list<br>CA/49ST/50ST) | Vehicles<br>Models<br>(if codded see<br>attachment) | Trans.<br>Type<br>A-auto<br>M-man. | ETW<br>or<br>Test<br>WT | DPA<br>or<br>RLHP | Ignition<br>(ECM/PCM)<br><br>Part No. | EGR<br>System<br><br>Part No. | Catalytic<br>Converter<br><br>Part No. |
|--|---|------------------------------------|-------------------------|-------------------|---------------------------------------|-------------------------------|--|
| AAA<br>50 ST                               | Jetta GLX VR6                                       | M                                  | 3,250                   | 7.0               | 021 906 259 K                         | -                             | 1HM 131 701 H                          |
| AAA<br>50 ST                               | Golf GTI VR6  | M                                  | 3,125                   | 7.0               | 021 906 259 K                         | -                             | 1HM 131 701 H                          |
| AAA<br>50 ST                               | Jetta GLX VR6                                       | A                                  | 3,250                   | 6.3               | 021 906 259 K                         | -                             | 1HM 131 701 H                          |
| AAA-B<br>50 ST                             | Passat GLX VR6<br>sedan/wagon                       | A                                  | 3,500                   | 6.2               | 021 906 259 L                         | -                             | 1HM 131 701 H                          |
| AAA-B<br>50 ST                             | Passat GLX VR6<br>wagon                             | M                                  | 3,500                   | 6.8               | 021 906 259 L                         | -                             | 1HM 131 701 H                          |
| AAA-B<br>50 ST                             | Passat GLX VR6<br>sedan                             | M                                  | 3,375                   | 6.8               | 021 906 259 L                         | -                             | 1HM 131 701 H                          |

Date Issued: 03-18-96

Revisions:

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