

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-83  
Relating to Certification of New Motor Vehicles

VOLKSWAGENWERK 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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1984 model-year Volkswagenwerk AG exhaust emission control systems are certified as described below for diesel-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> |       | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>           |
|----------------------|---|-------|--|
| EVW1.6D6JAZ9         | 97  | (1.6) | Engine Modification<br>(Diesel Injection - Prechamber)<br>(Turbocharger) |

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

The following are the emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles".

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.46                                   | 8.3                                       | 1.0                                       |

The following are the certification emission values for this engine family:

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.18                                   | 0.8                                       | 0.8                                       |

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 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 20<sup>th</sup> day of September, 1983.

  
K. D. Drachand, Chief  
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volkswagen Executive Order No. A-7-83 Page 1  
 Engine Family EVW1.6D6JAZ9 Evaporative Family n.a.  
 Engine CID (Liters) 97(1.6)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

JFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 MFI-Mechanical Fuel Injector  
 TC-Turbocharged

Model name: Rabbit

DRIVE SYSTEM: Front wheel drive

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel  
 Manufacturer Volkswagen    F.O. # A-7-B3  
 Engine Family EVW1.6D6JAZ9    CID (liter) - Type 97(1.6)-Diesel  
 ECS (Special Features) DI,TC

| Engine Code                             | Vehicle Models (If Coded see attachment) | Trans. | Ign. System | Fuel System  | EGR Valve | Label Ident.        |
|---|--|--------|-------------|--|-----------|---------------------|
|   |  |        | Part No.    | Part No.   | Part No.  | Part No.            |
| CY                                      | Rabbit                                   | M5     | n.a.        | injection pump<br>068130109Q<br>fuel injectors<br>068130210E | n.a.      | VECI<br>068133033DR |
| ETW and HP list see pages 10-22 and -23 |  |        |             |  |           |                     |

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -  
 Revisions:            08-15-83