State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-40
Relating to Certification of New Motor Vehicles

VOLKSWAGENWERK AG

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Volkswagenwerk AG exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

| Engine Family | Displacement Cubic Inches (Liters) | Exhaust Emission Control Systems (Special Features) |
|---|---|---|
| BVW1.7V6FC837C (37C) | 105 (1.7) | Three Way Catalyst with Closed Loop (Mechanical Fuel Injection) |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

| Engine Family | Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|---|
| BVW1.7V6FC837C (37C) | 0.15 | 1.8 | 0.3 |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles", amended June 26, 1980.

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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Volkswagenwerk AG has provided to the Executive Officer 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 29th day of August, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

# 1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

nufacturer Volkswagenwerk AG  Executive Order No. A-7-40  Page 1

Engine Family BVW1.7V6FC837C (37C)  Evaporative Family Rabbit

ABBREVIATIONS  Engine CID (Liters) 105 (1.7)

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

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
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Carline/Model

*Scirocco
*Convertible
*Jetta
*Rabbit

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

E.O. #A -7-40

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

X Passenger Cars ___ Light-Duty Trucks ___ Medium-Duty Vehicles X Gas ___ Diesel

Manufacturer Volkswagenwerk AG

Page 2

Engine Family BVW1.7V6FC837C (37C)

Engine Code see below

ECS (Special Features) TWC, CL (MFI)

CID (Liter)-Type 105 (1.7) I4

| Engine Code | Vehicle Models (If Coded see attachment) | Trans. | Equiv. Test Weight | Ign. System VA,VR,EI CA Part No. | Fuel System MFI Part No. | EGR Valve Part No. | Label Ident. Part No. |
|---|---|---|---|---|---|---|---|
| 1.7ILB01 | *Rabbit | M4,5 | 2375 | Distributor 049 905 (2050?) | 059 133 353 P 4 | n/a | VESI 171 000 331 AE |
| 1.7ILBH1 | | A3 | 2500 | | | | Vac. Hose 067 000 363 C |
| 1.7ILB03 | *Jetta | M5 | | | | | |
| 1.7ILBH3 | | M4 | | | | | |
| | *Scirocco | A3 | | | | | |
| | *Convertible | M5 | 2500 | | | | |
| | | | 2625 | | | | |

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 -

071080

# 81 VW ETW & RLHP

E.F. BVW1.7V6FC837C

* Add 10% to dyno HP for A/C usage

MODEL: RABBIT

| Trans. | Body style | ETW | RLHP * |
|---|---|---|---|
| M4, M5 | 2,4 | 2375 | 7.7 |
| A3 | 2,4 | 2500 | 7.7 |

MODEL: JETTA

| Trans | Body style | ETW | RLHP * |
|---|---|---|---|
| M5 | 2 | 2375 | 7.7 |
| M5 | 4 | 2500 | 7.7 |
| A3 | 2 | 2375 | 7.7 |
| A3 | 4 | 2500 | 7.7 |

MODEL: CONVERTIBLE

| Trans | Body style | ETW | RLHP * |
|---|---|---|---|
| M5 | 2 | 2500 | 7.7 |
| A3 | 2 | 2625 | 7.7 |

MODEL: SCIROCCO

| Trans | Body style | ETW | RLHP * |
|---|---|---|---|
| M4, M5 | 2 | 2375 | 7.7 |
| A3 | 2 | 2375 | 7.7 |