

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.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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.


R. D. Drachand, Chief
Mobile Source Control Division

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Manufacturer 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

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles 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 ²⁰⁵⁸	059 133 353 P	n/a	VESI 171 000 331 AE
1.7ILBH1		A3	2500		4		
1.7ILB03	*Jetta	M5					Vac. Hose 067 000 363 C
1.7ILBH3	*Scirocco	M4					
	*Convertible	A3					
		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 -

81 VW ETW • RLHP

E.F. BVW1.7V6FC837C

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

MODEL: RABBIT

<u>Trans.</u>	<u>Body style</u>	<u>ETW</u>	<u>RLHP*</u>
M4, M5	2, 4	2375	7.7
A3	2, 4	2500	7.7

MODEL: JETTA

<u>Trans</u>	<u>Body style</u>	<u>ETW</u>	<u>RLHP*</u>
M5	2	2375	7.7
M5	4	2500	7.7
A3	2	2375	7.7
A3	4	2500	7.7

MODEL: CONVERTIBLE

<u>Trans</u>	<u>Body style</u>	<u>ETW</u>	<u>RLHP*</u>
M5	2	2500	7.7
A3	2	2625	7.7

MODEL: SCIROCCO

<u>Trans</u>	<u>Body style</u>	<u>ETW</u>	<u>RLHP*</u>
M4, M5	2	2375	7.7
A3	2	2375	7.7