

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-23
Relating to Certification of New Motor Vehicles

VOLKSWAGENWERK AG

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Volkswagenwerk AG exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

- Engine Family: 32C
- Engine: 97 CID
- Transmission: 3-Speed Automatic and 4-Speed Manual
- Exhaust Emissions Control Systems: Air Injection, Exhaust Gas Recirculation, Engine Modification, Oxidation Catalyst

- Models: Volkswagen
- Rabbit Sedan 17
- Scirocco Coupe 53

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model 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>
32C	0.23	4.8	1.5

BE IT FURTHER RESOLVED: That this certification is contingent upon Volkswagenwerk AG affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon Volkswagenwerk AG listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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EXECUTIVE ORDER A-7-23
(Page 2 of 2)

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 28th day of September, 1976.

G. C. Hass by A. Marchand

G. C. Hass, Chief
Division of Vehicle Emissions Control

Manufacturer Volkswagenwerk AG Executive Order No. A-7-23 Page 1 of 1
 Engine Family 32C Engine (CID) 97 Engine FN-M (man. trans.) Code FN-A (Auto. trans.)
 Emission Control System AI, EGR, EM, OC +10%(A/C) Yes No

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C,V VR Mfgr. Part Number	Fuel System Type: 1-2V Mfgr. Part Number	EGR System; 2-Stage* Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Rabbit Sedan 17	A/T3 (3.76 axle ratio)	2,250 (see comments)	Bosch 055 905 205 B,	055 129 021 C	055 131 503	(1) 3° ATDC with vacuum connected
Scirocco Coupe 53	M/T4 (3.90 axle ratio)		or 055-905 205 F	055 129 021 B	I-15,000	(2) 1.0% + 0.7% idle CO measured upstream of cat., with AI disconnected. (3) 925 + 75 RPM in neutral
						(1) 3° ATDC with vacuum connected (2) 1.5% + 0.7% idle CO measured upstream of catalyst with AI disconnected (3) 925 + 75 RPM

Comments: Actual road load hp is 7.3 hp total.

*EGR 1st stage venturi vacuum controlled, 2nd stage throttle position solenoid activates brake booster vacuum for control.

Date of Issue: September 27, 1976

Abbreviations

Distributor

C-Centrifugal Advance
 V-Vacuum Advance
 VR-Vacuum Retard
 HEI-High Energy Ignition
 EI-Electronic Ignition
Fuel System
 EFI, FI
 nV-nVenturi Carburetor
 VV-Variable Venturi

Exhaust Emission Control System

AI-Air Injection
 CAI-Catalyst Air Injection
 EFI-Electronic Fuel Injection
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 EFE-Early Fuel Evaporation
 ESAC-Electronic Spark Advance Control
 FI-Fuel Injection

OC-Oxidation Catalyst
 PAI-Pulse Air Injection
 RC-Reduction Catalyst
 TR-Thermal Reactor
 TWC-Three Way Catalyst
 λ-Air Fuel Ratio Sensor

*Service
 I-Inspect, repair/replace as needed
 R-Replace