State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-20
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: 2
Engine: 97 CID
Transmission: 4-Speed Manual
Exhaust Emission Control Systems: Engine Modification, Electronic Fuel Injection, Exhaust Gas Recirculation, Oxidation Catalyst.

Models: Volkswagen Sedan 11
Volkswagen Convertible 15

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
2	0.31	4.2	1.1

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.

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 27 day of December, 1976.

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer Volkswagenwerk AG Executive Order No. A-7-20 Page 1 of 1

Engine Family 2 Engine (CID) 97 Engine Code AJ

Emission Control System EFI,EM,EGR,OC +10%(A/C) Yes [ ] No [X]

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C,V, VR. Mfgr. Part Number	Fuel System Type: EFI (L-Jetronic) Mfgr. Part Number	EGR System : Throttle position activated Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Volkswagen Sedan 11	M/T3 (3.875 axle ratio	2,250	Bosch 043 905 205 H	Bosch electronic control unit 043 906 021 D, Air measure unit 043 906 301	022 131 501 G I-15,000	(1) 5° ATDC @ idle idle speed with distributor vacuum lines connected. (2) 0.6±0.4% idle CO upstream of catalyst (3) 875 ± 75 RPM with canister disconnected and plugged
Volkswagen Convertible 15		2,500				

Comments :

Date of Issue : 24 December 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

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

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

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