

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-31
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 1979 model-year gasoline-powered light-duty trucks.

| <u>Engine Family</u> | <u>Displacement Cubic Inches</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|--------------------------------------|--|
| 11A | 120 | Three Way Catalyst (Electronic 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 1979 model-year vehicles:

| <u>Engine Family</u> | <u>Inertia Weight Class</u> | <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|----------------------|-------------------------------------|--|---|---|
| 11A | 3500 | 0.26 | 4.6 | 1.1 |

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 except Motorcycles".

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, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-7 series.

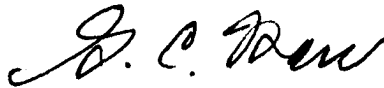
VOLKSWAGENWERK AG

EXECUTIVE ORDER A-7-31
(Page 2 of 2)

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

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

Executed at El Monte, California this 3 day of November, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Volkswagenwerk Executive Order No. A-7-31 Page 1

Engine Family 11A Engine (CID) 120

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance

EI-Electronic Ignition

ESAC

VA-Vacuum Advance

VR-Vacuum Retard

Fuel System

EFI, MFI

nV-nVenturi Carburetor

VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection

CCAV-Comb. Chamber Air Valve

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

ESAC-Electronic Spark Advance
Control

MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst

PAI-Pulse Air Injection

TC-Turbo Charged

TR-Thermal Reactor

TWC-Three Way Catalyst
(Feedback Control)

WOC-Warm-up Oxidation
Catalyst

Vehicle Models:

Campmobile 23

Combi 23

Station Wagon 22

Evaporative Emission Control Family: L1

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A 7-31

Passenger Cars Light-Duty Trucks Medium-Duty Vehicles

Manufacturer Volkswagenwerk AG Page 2

Engine Family 11A Engine (CID) 120 Engine Code -

Emission Control System TWC + 10% (A/C) Yes No X

| Eng. Code | Vehicle Models (If Coded see attachment) | Trans. | Inertia Weight Class (Axle Ratio)* | Ign. Sys. CA,VA,VR Distributor Part No. | Fuel System EFI (L-Jetronic) Part No. | EGR Valve Part No. | Tune-up Specification |
|-----------|--|--------|------------------------------------|---|---------------------------------------|--------------------|--|
| GE-M | Campmobile Combi 23 Station Wagon 22 | M-4 | 3500 | 021-905-205 SO | 039-906-021D electronic control unit | none | (1) 5° ATDC with with vacuum hoses connected. (2) 0.7 ± 0.5% CO upstream from catalyst (3) 875 ± 75 RPM. |
| GE-A | | A-3 | | | 039-906-021E electronic control unit | | (1),(2) same as above. (3) 925 ± 75 RPM in neutral. |

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, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

Date of Issue - 10/26/78