State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-21
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 light-duty trucks are certified for the engine family described below:

Engine Family: 10
Engine: 120 CID
Transmission: 3-Speed Automatic and 4-Speed Manual
Exhaust Emissions Control Systems: Electronic Fuel Injection, Engine Modification, Exhaust Gas Recirculation, Oxidation Catalyst

Model: Volkswagen
Station Wagon 22
Combi 23
Campmobile 23

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

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
10	0.5	11	1.6

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 30th day of September, 1976.

G C Hass by R D Drachman

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Volkswagenwerk AG Executive Order No. A-7-21 Page 1 of 2

Engine Family 10 Engine (CID) 120 Engine Code GD-a

Emission Control System EFI,EM,EGR,OC +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type: C,V 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
Station Wagon 22 Combi 23 Campmobile 23	A/T3 (4.09 axle ratio)	3,500	Bosch 021 905 205 S	Bosch electronic control unit 022 906 021 P, Enrichment sensor 022 906 041, Air val. 022 906 045 A, Air measure unit 022 906 301 B	022 131 501 F I-15,000	(1) 7.5° BTDC @ idle idle speed with distributor vacuum line connected. (2) 0.2-2.0% idle CO upstream of catalyst (3) 925 ± 75 RPM with transmission in neutral (Label No. 022 133 033 BL)

Comments: 30 September 1976

Date of Issue

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☐ Passenger Cars ☒ Light-Duty Trucks

Manufacturer Volkswagen AG Executive Order No. A-7-21 Page 2 of 2

Engine Family 10 Engine (CID) 120 Engine Code GD-m

Emission Control System EFI, EM, EGR, OC +10%(A/C) Yes ☐ No ☒

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type :C,V 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
Station Wagon 22 Combi 23 Campmobile 23	M/T4 (4.57 axle ratio)	3,500	Bosch 021 905 205 S	Bosch electronic control unit 022 906 021 N, Enrichment sensor 022 906 041, Air val. 022 906 045 A, Air measure unit 022 906 301 B	022 131 501 F I-15,000	(1) 7.5° BTDC @ idle speed, with distributor vacuum line connected. (2) 0.2-2.0% idle CO upstream of catalyst (3) 875 ± 75 RPM (Label No. 022 133 033 BL)

Comments

Date of Issue: 30 September 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