

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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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 30<sup>th</sup> day of September, 1976.

*G. C. Hass by A. D. Bachman*

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

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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 Camptobile 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 dis- tributor 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

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 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 up-stream of catalyst  (3) 875 ± 75 RPM  (Label No. 022 133 033 BL)

Comments

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**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  
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 I-Inspect, repair/replace as needed  
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