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State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-22  
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: Dasher C1  
Engine: 97 CID  
Transmission: 3-Speed Automatic and 4-Speed Manual  
Exhaust Emissions Control Systems: Engine Modification, Exhaust Gas Recirculation, Fuel Injection, Oxidation Catalyst

Models: Volkswagen  
Dasher Sedan 32  
Dasher Station Wagon 33

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>
Dasher C1	0.12	1.0	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.

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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<sup>th</sup> day of September, 1976.

*G. C. Hass by P. D. McDonald*

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

Manufacturer Volkswagenwerk AG Executive Order No. A-7-22 Page 1 of 1

Engine Family Dasher C1 Engine (CID) 97 Engine Code YG

Emission Control System EGR, EM, FI, OC. +10%(A/C) Yes  No  See comments

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type : C,V, VR. Mfgr. Part Number	Fuel System Type : FI (K-Jetronic) Mfgr. Part Number	EGR System: Venturi Vacuum Control- Part No. led. Service*	Tune-Up Specification
Dasher Sedan 32  Dasher Station Wagon 33	A/T3 (3.91 axle ratio)  M/T4 (4.11 axle ratio)	2,500 (See comments)	Bosch 0 231 176 057, which is VW 049 905 205A	Mixture control Unit 049 133 353 D, consisting of Bosch 0 438 120 008 Air Flow Sensor;  Bosch 0 438 100 007 Fuel Distributor;  Bosch 0 438 140 011 warm-up Regulator; and 0 280 170 401 Starting Valve	Pierberg PE 20182  or Elbi 028 2100  I-15,000 miles	(1) 3° + 1° ATDC at idle speed with vacuum connected  (2) 0.3% maximum at tail-pipe  (3) 925+75 in neutral with head-lamps on high beam  (Label No. 321 000 331 G)

Comments: Actual road load hp is 8.8 hp, including the additional 10% for A/C.

Manual transmission shift points: 15 - 25 - 40

Date of Issue: 21 September 1976

**Abbreviations**

Distributor

CA-Centrifugal Advance  
 VA-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  
 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