State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-52 Relating to Certification of New Motor Vehicles

VOLKSWAGENWERK AG

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-3, and G-45-4;

IT IS ORDERED AND RESOLVED: That 1982 model-year Volkswagenwerk AG exhaust emission control systems are certified as described below for diesel-powered light-duty trucks.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
CVW1.6K6JVA8	97 (1.6)	Engine Modification

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1982 model-year vehicles:

Equivalent

Fauitienlant

Inertia	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
Weight	Grams per Mile	Grams per Mile	<u>Grams per Mile</u>		
0-3999	0.46	10.6	1.5		
4000-6000	0.50	9.0	2.0		

The following are the certification emission values for this engine family:

Inertia	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
Weight	Grams per Mile	<u>Grams per Mile</u>	Grams per Mile
0-3999	0.16	0.9	1.4
4000-6000	0.20	1.9	1.2

VOLKSWAGENWERK AG

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BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 22^{MD}

day of Octpber, 1981.

K. D. Drachand, Chief Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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Manufacturer <u>Volkswagen</u>	Executive Order No	A-7-52	Page	1
Engine Family CVW1.6K6JVA8	Evaporative Family	N/A		
	Engine CID (Liters)	97 (1.6)		

ABBREVIATIONS

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Ignition System CA-Centrifugal Advance EEC-Electronic Engine Control EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard	Exhaust Emissions Control System AIP-Air Injection-Pump AIV-Air Injection-Valve CL-Closed Loop EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst System TR-Thermal Reactor TWC-Three Way Catalyst System	Special Features CCV-Combustion Chamber Valve CFI-Central Fuel Injection DID-Diesel Injection- Direct DIP-Diesel
<u>Fuel System</u> CFI, CL, DID, DIP, EFI, MFI		Injection- Prechamber
nV-nVenturi Carburetor VV-Variable Venturi		MFI-Mechanical Fuel Injection

TC-Turbocharged

Vehicle Models

Vanagon Bus Diesel Vanagon Kombi Diesel Vanagon Campmobile Diesel

DRIVE SYSTEM: Rear engine/Rear drive Date of Issue: 10/15/81 Revised:

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Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Wei g ht	Ign. System Part No.	Fuel System MFI Part No.	EGR Valve Part No.	Label Ident. Part No.
CS	Vanogon Bus Diesel Kombi Diesel Campmobil Diesel	М4	3625	N/A	FJ Control Unit 068 130- 107 H Injectors 068 130- 201 E	N/A	VEC I 071 133- 033K

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 and equipment. If two test weights are listed, the lower weight will be used for testing.

*Add 10% to dyno test HP for air conditioning usage.

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Date of Issue - 10/15/81 Revisions:

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