State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-7-140
Relating to Certification of New Motor Vehicles

VOLKSWAGEN 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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1990 model-year Volkswagen AG exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

Engine Family: LVW2.1T5FWHO Displacement: 2.1 Liters (129 Inches^3)
Equipped with the following exhaust emission control systems:

Heated Oxygen Sensor
Three-way Catalyst
Multipoint Electronic Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the emission standards for this engine family:

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
3751-5750	0.50	9.0	1.0

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

Loaded Vehicle Weight(lbs.)	Hydrocarbons (Grams per Mile)	Carbon Monoxide (Grams per Mile)	Nitrogen Oxides (Grams per Mile)
3751-5750	0.35	4.5	0.6

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".

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 Code of Regulations, Section 2290) for the aforementioned model-year.

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 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed have been granted an exemption from compliance with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions of California Health and Safety Code Section 43205.

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 18th day of July, 1989.

K. D. Drachand, Chief
Mobile Source Division

1990 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer VW AG Engine Family LVW 2.1 T5FWHO

Passenger Cars ____ Light-Duty Trucks X Medium-Duty Vehicles ____ Gas X Diesel ____

Eng. Type horiz. opposed 4 cyl. Liter (CID) 2.1 l (129) Evap. Family VW-V/VW-VS

Emission Control System (Use SAE Abbrv.) MPI/TWC/HO2S

Engine: Front ____ Mid. ____ Rear X Drive: FWD ____ RWD X /4WD-FT X 4WD-PT ____

Engine Code (Cert. Std.)	Vehicle Models (If Coded see Attachment)	Trans. Type: A-Auto M-Man.	Equiv. Test Weight	RLHP or DPA	Ignition System (ECU/PROM) Part No.	EGR System Part No.	Catalyst Part No.
	VANAGON						
MV	Bus/Kombi	M	3,875	16.4	Part of ECU	n.a.	025 131 701 025 131 701 A
MV	Campmobile	M	4,250	17.4	Distrib. 025 905 205 M		
MV	Bus/Kombi	A	3,875	16.4			
MV	Campmobile	A	4,250	17.4			
MV	Bus/Kombi	M	4,250	19.2			
MV	Campmobile	M	4,500	20.0			