State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-87
Relating to Certification of New Motor Vehicles

DAIMLER-BENZ 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 1988 model-year Daimler-Benz AG exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Liters	(Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JMB4.2V6FA14	4.2	(256)	Air Injection - Pump Exhaust Gas Recirculation Warm-Up Three-Way Catalyst Three-Way Catalyst Heated Oxygen Sensor (Mechanical Port Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per mile	Nitrogen Oxides Grams per Mile
0.41	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.13	1.2	0.1

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 Administrative Code, 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 Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the Malfunction and Diagnostic System for 1988 and Subsequent Modle Year[s]..." (Title 13, California Administrative Code, 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 regulations (Title 13, California Administrative Code, Section 2035 et seq.).

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 9th day of October, 1987.

Bob Grossfor

K. D. Drachand, Chief
Mobile Source Division

Attachment 3

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198 8 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

nufacturer Mercedes-Benz

Engine Family JMB4.2V6FA14

aporative Family JMBV6-2 (alt.JMBV6-1)

Engine Type V-8

Liters (CID) 4.2 (256)

BBREVIATIONS

gnition System

A-Centrifugal Advance
CU-Electronic Control Unit
I-Electronic Ignition
SAC-Electronic Spark Advance Control
A-Vacuum Advance
R-Vacuum Retard

uel System

CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor

Exhaust Emissions Control System

AIP-Air Injection-Pump
AIV-Air Injection-Valve
DBC-Dual Bed Catalyst
EGR-Exhaust Gas Recirculation
EIC-Electronic Injection Control
EM-Engine Modification
OC-Oxidation Catalyst
OS-Oxygen Sensor
HOS-Heated Oxygen Sensor
SPL-Smoke Puff Limiter or Throttle Delay
TOC-Trap Oxidizer, Continual
TOP-Trap Oxidizer, Periodical
TWC-Three-Way Catalyst
WUOC-Warm-Up Oxidation Catalyst
WUTWC-Warm-Up Three-Way Catalyt

Special Features

CCV-Combustion Chamber Valve
CFI-Central Fuel Injection or Throttle Body Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
EFI-Electronic Fuel Injection
IC-Intercooler or Aftercooler
MFI-Mechanical Fuel Injection
OBD-On-Board Diagnostics
TC-Turbocharger

VEHICLE MODELS: 420SEL

Engine: Front x Mid. _____ Rear _____

Drive: FWD _____ RWD x 4WD Full Time _____ 4WD Part Time _____

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1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars x Light-Duty Trucks Medium-Duty Vehicles Gas x Page Diesel

Manufacturer: Mercedes-Benz Engine Family: JMB4.2V6FA14

Liter(CID) : 4.2(256) Engine Type : V-8

Emission Control System (Special Features): WUTWC,AIP,EGR,HOS,TWC (MFI,OBD)

Engine Code	Vehicle Models (Dyno) (HP)	Trans Type	Equiv. Test Weight	Ign.System (ECU) Part No.	Fuel System Part No.	EGR-valve Part No.	Catalyst Part No.
M116-3	420SEL (10.6)	A-4	4250	0035459132 0035459232<	Fuel Distr. 0438101018 Oxygen Sen. 0075423217	0001408160	Underhood: 1264901814 1264902214 Underfloor: 1264900714 1264901914<

< alternate manufacturer

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 weights are listed, the lower weight will be used for testing.