State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-31
Relating to Certification of New Motor Vehicles

DAIMLER-BENZ AKTIENGESELLSCHAFT

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Daimler-Benz Aktiengesellschaft exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
79/2B/V8E/45-116	276	Air Injection Exhaust Gas Recirculation Oxidation Catalyst (Mechanical Fuel Injection)

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

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
79/2B/V8E/45-116	0.30	3.5	1.2

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 except Motorcycles".

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.

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 15 day of September, 1978.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

E.O. #A-3-31

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[XX] Passenger Cars [ ] Light-Duty Trucks [ ] Medium-Duty Vehicles

Manufacturer Daimler-Benz AG

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Engine Family 79/2B/V8E/45-116 Engine (CID) 276 Engine Code M 117 B

Emission Control System AI, EGR, OC + 10% (A/C) Yes X No ____

Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*	Ign. Sys. Control Parameters CA, VA VR, EI	Fuel System Type: MFI Mfgr. Part Number	EGR Valve	Tune-up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
M117B	Mercedes-Benz 450 SEL	A-3	4500	Bosch 0 237 405 002 MB Part No. 002 158 2901	Bosch 0 438 120 062 0 438 100 012 MB Part No. 000 070 0706	PE 20 294 MB Part No. 000 140 4560	(1) TDC at idle, vacuum connected. (2) 0.5-2.0% measured on l.h. exhaust manifold tap cyl. 5-8 (disconnected orange line to EGR transducar). Air injection disconnected (disconnect wh/pu/bl vacuum line at blue thermo valve and plug vacant port). Transmission in neutral. Accesories not in operation. (3) 750 RPM with air injection disconnected, transmission in neutral and A/C in "off" position.

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, equipment and inertia weight class.

*Axle ratio is that of medium duty certification vehicle.

Date of Issue -

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Engine Family 79/2B/V8E/45-116 Engine (CID) 276

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System
AI-Air Injection
CCAV-Comb. Chamber Air Valve
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification

ESAC-Electronic Spark Advance Control
MFI-Mechanical Fuel Injection

OC-Oxidation Catalyst
PAI-Pulse Air Injection
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst (Feedback Control)
WOC-Warm-up Oxidation Catalyst

Vehicle Model

Mercedes-Benz

450 SEL