E O Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-20
Relating to Certification of New Motor Vehicles

DAIMLER-BENZ AKTIENGESELLSCHAFT

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 Daimler-Benz Aktiengesellschaft exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 77/2b/V-8E/OC-4.5-116
Engine: 276 CID
Transmission: 3 Speed Automatic
Exhaust Emission Control Systems: Air Injection, Exhaust Gas Recirculation, Fuel Injection, Oxidation Catalyst

Model: Mercedes-Benz 450SEL

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
77/2a/V-8E/OC-4.5-116	0.28	2.4	1.3

BE IT FURTHER RESOLVED: That this certification is contingent upon Daimler-Benz Aktiengesellschaft 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 Daimler-Benz Aktiengesellschaft listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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 9 day of December, 1976.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Manufacturer Daimler-Benz AG Executive Order No. A-3-20 Page 1

Engine Family 77/2b/V-8E/OC-4.5-116 Engine (CID) 276 Engine Code

Emission Control System AI-EGR-FI-OC +10%(A/C) Yes [X] No [ ]

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type C,V,VR,EI Mfgr. Part Number	Fuel System Type FI Mfgr. Part Number	EGR System Part No. Service**	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
Mercedes-Benz 450 SEL	A/T3	4500	Bosch 002 158 2901	Bosch 000 070 05 62	000 140 4560	1) TDC @ 750 RPM in neutral; vacuum line to distributor remain connected. 2) 0.2 to 2.0% CO in neutral; Air injection disconnected; measure at port on exhaust manifold by removing hose connected to EGR backpressure transducer. 3) 750 RPM in neutral

Comments **No Service
Axle ratio 3.06

Date of Issue

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

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

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
R-Replace