

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:

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

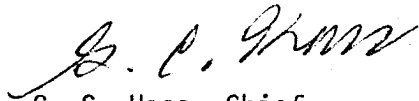
BE IT FURTHER RESOLVED: That this certification is contingent upon Daimler-Benz Aktiengesellschaft affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

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, Chief  
Vehicle Emissions Control Division

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  No

| Vehicle Models<br>(If Coded see attachment) | Trans | Inertia Weight | Distributor Type<br>C,V,VR,EI<br>Mfgr.<br>Part Number | Fuel System Type<br>FI<br>Mfgr.<br>Part Number | EGR System<br>Part No.<br>Service** | Tune-Up Specification<br>(1) Basic Timing<br>(2) Idle Mixture<br>(3) Idle Speed  |
|---|-------|----------------|---|--|-------------------------------------|--|
| Mercedes-Benz<br>450 SEL                    | A/T3  | 4500           | Bosch<br>002 158<br>2901                              | Bosch<br>000 070<br>05 62                      | 000 140<br>4560                     | 1) TDC @ 750 RPM in neutral; vacuum line to distributor remain connected.<br><br>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.<br><br>3) 750 RPM in neutral |

Comments \*\*No Service  
Axle ratio 3.06

Date of Issue

- Abbreviations**
- |                          |  |                                     |
|--------------------------|--|-------------------------------------|
| <u>Distributor</u>       | <u>Exhaust Emission Control System</u> |                                     |
| C-Centrifugal Advance    | AI-Air Injection                       | OC-Oxidation Catalyst               |
| V-Vacuum Advance         | CAI-Catalyst Air Injection             | PAI-Pulse Air Injection             |
| VR-Vacuum Retard         | EFI-Electronic Fuel Injection          | RC-Reduction Catalyst               |
| HEI-High Energy Ignition | EGR-Exhaust Gas Recirculation          | TR-Thermal Reactor                  |
| EI-Electronic Ignition   | EM-Engine Modification                 | TWC-Three Way Catalyst              |
| <u>Fuel System</u>       | EFE-Early Fuel Evaporation             | λ-Air Fuel Ratio Sensor             |
| EFI, FI                  | ESAC-Electronic Spark Advance Control  | *Service                            |
| nV-nVenturi Carburetor   | FI-Fuel Injection                      | I-Inspect, repair/replace as needed |
| VV-Variable Venturi      |  | R-Replace                           |