

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-52  
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 1984 model-year Daimler-Benz AG exhaust emission control systems are certified as described below for diesel-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>                 |
|----------------------|---|--|
| EMB3.0D9J010         | 183 (3.0)                                     | Exhaust Gas Recirculation<br>(Diesel Injection - Prechamber)<br>(Turbocharged) |

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles".

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.46                                   | 8.3                                       | 1.0                                       |

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

| <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|---|---|
| 0.27                                   | 1.6                                       | 0.9                                       |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 8<sup>th</sup> day of September, 1983.

  
K. D. Drachand, Chief  
Mobile Source Control Division

Manufacturer Daimler-Benz AG Executive Order No. A-3-52  
 Engine Family EMB3.0D9J010 Evaporative Family n/a  
 Engine CID (Liters) 183 (3.0) Liters

**ABBREVIATIONS**

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TR-Thermal Reactor  
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

VEHICLE MODELS:

300 D Turbo  
 300 CD Turbo  
 300 TD Turbo  
 300 SD Turbo

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A -3-52

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

Manufacturer Daimler-Benz AG Page 2

Engine Family EMB3.0D9J010 Engine Code OM 617-TC

ECS (Special Features) DIP/EGR/TC CID (Liter)-Type (183) (3.0)L-5

| Engine Code | Vehicle Models (If Coded see attachment) | Trans. | Equiv. Test Weight | Ign. System | Fuel System  | EGR Valve     | Label Ident.   |
|-------------|--|--------|--------------------|-------------|--|---------------|--|
|             |  |        |                    | Part No.    | Part No.   | Part No.      | Part No.   |
| OM 617-TC   | 300SD - Turbo                            | A-4    | 4000               | n/a         | FI-Pump:<br>PES5MW55/<br>320 RS 16-1<br><br>Governor:<br>RW375/2200<br>MW 28-3 | 617 140 01 60 | Tune-Up<br>Label:<br>123 584 71 20<br><br>Vac. Hose<br>Diagram:<br>123 584 72 20 |
|             | 300D - Turbo                             |        | 3875               |             |  |               |  |
|             | 300CD - Turbo                            |        | 3875               |             |  |               |  |
|             | 300TD - Turbo                            |        | 4000               |             |  |               |  |

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

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue -

**EMISSION DATA SELECTION WORKSHEET**

Emission Control System : FI/EGR  
 Engine Code : OM617-TC

1. Body Style ETW (lbs) incl. options over 33X

- a) 300 D-Turbodiesel 3 875
- b) 300 CD-Turbodiesel 3 875
- c) 300 TD-Turbodiesel 4 000
- d) 300 SD-Turbodiesel 4 000

2. Body Style Road Load Power<sup>1</sup> (HP)

- a) 300 D-Turbodiesel 11.5
- b) 300 CD-Turbodiesel 11.5
- c) 300 TD-Turbodiesel 10.6
- d) 300 SD-Turbodiesel 11.5

3. Engine Code Displacement (cm<sup>3</sup>)

- a) OM617-TC 2 998
- b)

4. Engine Code Fuel Flow (cm<sup>3</sup>/min) at max. rated torque

- a) OM617-TC 325
- b)

5. Body Style Transmission Axle Ratio

- a) 300 D-Turbodiesel 4-A 3.07
- b) 300 CD-Turbodiesel 4-A 3.07
- c) 300 TD-Turbodiesel 4-A 3.07
- d) 300 SD-Turbodiesel 4-A 3.07

1) incl. 10% for A/C

|                            |                                    |  |  |  |                        |  |
|----------------------------|------------------------------------|--|--|--|------------------------|--|
| Section No.<br>10.13.00.00 | Title<br>EDV - Selection Worksheet |  |  |  | Issue Date<br>01-28-83 |  |
| Revision No.               |                                    |  |  |  |                        |  |
| Revision Date              |                                    |  |  |  |                        |  |