

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-58  
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 1985 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 Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FMB3.0D9KC20	183 (3.0)	Trap Oxidizer - Continual Exhaust Gas Recirculation (Diesel Injection - Prechamber) (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 Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>	<u>Particulates Grams per Mile</u>
0.46	8.3	1.0	0.4

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>	<u>Particulates Grams per Mile</u>
0.28	2.1	0.9	0.1

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 7<sup>th</sup> day of September, 1984.



K. D. Drachand, Chief  
Mobile Source Division

Manufacturer Daimler Benz AG Executive Order No. A-3-58  
 Engine Family FMB3.0D9KC20 Evaporative Family n/a  
 Engine CID (Liters) 183 (3.0)

## 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  
 Variable Venturi Carburetor  
 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  
 TOC-Trap Oxidizer Continual  
 TOP-Trap Oxidizer Periodical  
 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  
 IC - Intercooler  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

VEHICLE MODELS:

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

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

E.O. #A-3-58

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer Daimler Benz AG

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Engine Family FMB3.0D9KC20

Engine Code OM617-TC

ECS (Special Features) EGR, TOC (DIP, TC)

CID (Liter)-  
Type 183(3.0) / L-5

Engine Code	Vehicle Models (If Coded see attachment) (Hp)	Trans.	Equiv. Test Weight	Ign. System Part No.	Fuel System <i>D/P</i> Part No.	EGR Valve Part No.	Label Ident. Part No.
OM617-TC	300D - Turbo 300CD - Turbo 300TD - Turbo 300SD - Turbo	A4	3 875 3 875 4 000 4 000	n/a	FI-Pump: PES5MW55/320 RS 16-1  Governor: RW 375/2200 MW 28-3	617 140 0160  <i>(TOC: 617 142 00 94)</i>	Tune-Up: (300D, CD, TD) 123584 8926  (300SD) 123584 9026  Vac. Line Diagr.: (300D, CD, TD) 123584 9126 (300SD) 123584 4521

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.

Issue -

DAIMLER-BENZ  
 MODEL YEAR 1985

Engine Family	Veh. Model	ETW	RL
-	-	Ibs	HP
FMB2.2D6JAL6 1d.	190D2.2 1d.	3 125 1d.	7.7 1d.

FMB3.0D9KC20 1d.	300D-Turbo 300CD-Turbo 1d.	3 875 1d.	11.5 1d.
1d.	300TD-Turbo 1d.	4 000 1d.	10.6 11.0
FMB2.3V6PALX 1d.	300GD-Turbo 5 190E2.3 1d.	3 125 1d.	8.4 1d.
FMB3.8V6PAL4	380SE	4 000	11.0
FMB3.8V6PAL25	380SL	3 875	11.3
FMB5.0V6PAL5 1d.	500SEL 500SEC	4 250 4 000	11.5 11.0