

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-184  
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Daimler-Benz AG exhaust emission control systems are certified as described below for medium-duty vehicles:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: XMBXT03.2GNB Displacement: 3.2 Liters (195 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Dual Warm Up Three Way Catalytic Converters  
Dual Three Way Catalytic Converters  
Dual Heated Oxygen Sensors (two)  
Exhaust Gas Recirculation  
Secondary Air Injection  
Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The non-methane organic gases (NMOG), carbon monoxide (CO), oxides of nitrogen (NOx), and formaldehyde (HCHO) LEV certification exhaust emission standards for this engine family in grams per mile are:

| <u>Test Weight</u><br><u>(lbs.)</u> | <u>Miles</u> | <u>NMOG</u> | <u>CO</u> | <u>NOx</u> | <u>HCHO</u> | <u>CO (20°F)</u> |
|-------------------------------------|--------------|-------------|-----------|------------|-------------|------------------|
| 3751-5750                           | 50,000       | 0.160       | 4.4       | 0.4        | 0.018       | 12.5             |
|                                     | 120,000      | 0.230       | 6.4       | 0.6        | 0.027       | n/a              |

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for NMOG reflect application of a 0.94 RAF for 1999 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

| <u>Test Weight</u><br><u>(lbs.)</u> | <u>Miles</u> | <u>NMOG</u> | <u>CO</u> | <u>NOx</u> | <u>HCHO</u> | <u>CO (20°F)</u> |
|-------------------------------------|--------------|-------------|-----------|------------|-------------|------------------|
| 3751-5750                           | 50,000       | 0.030       | 0.3       | 0.2        | 0.004       | 2.9              |
|                                     | 120,000      | 0.035       | 0.4       | 0.3        | 0.006       | n/a              |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the aforementioned exhaust emission standards based on its submitted plan to comply with the medium-duty vehicle phase-in requirements as set forth in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles" (Title 13, California Code of Regulations, Section 1960.1(h)(2)).

BE IT FURTHER RESOLVED: That under the submitted medium-duty vehicle phase-in compliance plan, if the manufacturer incurs "Vehicle Equivalent Debits" for the aforementioned model year due to the manufacturer's failure to produce and deliver for sale in California the equivalent quantity of medium-duty vehicles certified to low-emission vehicle and/or ultra-low-emission vehicle exhaust emission standards required by the above-referenced standards and test procedures, all "Vehicle Equivalent Debits" incurred by the manufacturer shall be equalized as required by the standards and test procedures.

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying the listed vehicle models to the running loss and useful life standards applicable to 1995 and subsequent model-year vehicles in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles," and the listed vehicle models comply with those standards.

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" for the aforementioned model year (Title 13, California Code of Regulations, Section 2235).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high-altitude requirements and highway emission standards, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

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 22<sup>nd</sup> day of July 1998.



R. B. Summerfield, Chief  
Mobile Source Operations Division

E. O. # A-3-184

Page 1 of 1

**1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

Manufacturer: Daimler-Benz Exh. Eng Family: XMBXT03.2GNB Evap. Family: XMBXE0153NNZ  
 All Eng Codes in Eng Fam: CA 49S 50S  AB965 ORVR Yes     No   
 Exh Std: CA Tier-1     TLEV     LEV  ULEV     SULEV     US EPA Tier-4 NLEV  
 Veh Class(es): PC     LDT1     LDT2     MDV1     MDV2  MDV3     MDV4     MDV5      
 Single Cert Std for Multi-Class Eng Fam: N/A (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Fuel Type(s): Dedicated  Flex-Fuel     Dual-Fuel     Bi-Fuel     Gasoline  Diesel      
                   CNG     LNG     LPG     M85     Other (specify)      
 Exh. Emiss Test Fuel(s): Indo     CBG  CNG     LPG     M85     Other (specify)      
                                   Diesel: 13 CCR 2282     40 CFR 86.113-90     40 CFR 86.113-94      
 Evaporative Emission Test Procedure: California     Federal   
 Service Accum: Std AMA  Mod AMA     Mfr ADP     Other (specify)      
 NMOG Test Procedure: N/A     Std  Equiv     R/L Test Proc. SHED  Pt Source    

Engine Configuration: V-6 Displacement: 3.2 Liters 195 Cubic Inches  
 Valves per Cylinder: 3 Rated HP: 215 / 5700 RPM  
 Engine: Front  Mid     Rear     Drive: FWD     RWD     4WD-FT  4WD-PT      
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S (2) / 2 WU-TWC / 2 TWC  
 (use abbreviations per SAE J1930 JUN93)

| Engine Code<br>(also list<br>CA/49ST/50ST) | Vehicle Models<br>(if coded see<br>attachment) | Trans. Type<br>(A 4, M 5<br>etc) | ETW<br>or<br>Test Wt | DPA<br>or<br>RLHP | Ignition<br>(ECM/PCM)<br>Part No. | EGR<br>System<br>Part No. | Catalytic<br>Converter<br>Part No.  |
|--|--|----------------------------------|----------------------|-------------------|-----------------------------------|---------------------------|---|
| M 112-32B                                  | ML 320   | L 5                              | 5 250                | 10.9              | A 025 545 86 32                   | A 112 140 00 60           | A 163 490 15 14<br>(underhood)<br>A 163 490 16 14<br>(underfloor left)<br>A 163 490 17 14<br>(underfloor right) |

Date Issued:

Revisions: