

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-167  
Relating to Certification of New Motor Vehicles

MERCEDES-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 1998 model-year Mercedes-Benz AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: WMBXV03.2GNU Displacement: 3.2 Liters (195 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Sequential Multiport Fuel Injection  
Secondary Air Injection  
Heated Oxygen Sensors (two)  
Three Way Catalytic Converter

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

The certification exhaust emission standards for this engine family in grams per mile are:

| <u>Miles</u> | <u>Non-Methane Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Carbon Monoxide (20°F)</u> |
|--------------|---------------------------------|------------------------|------------------------|-------------------------------|
| 50,000       | 0.25                            | 3.4                    | 0.4                    | 10.0                          |
| 100,000      | 0.31                            | 4.2                    | 0.6                    | n/a                           |

The certification exhaust emission values for this engine family in grams per mile are:

| <u>Miles</u> | <u>Non-Methane Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> | <u>Carbon Monoxide (20°F)</u> |
|--------------|---------------------------------|------------------------|------------------------|-------------------------------|
| 50,000       | 0.10                            | 0.7                    | 0.1                    | 2.5                           |
| 100,000      | 0.10                            | 0.7                    | 0.1                    | 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 fleet average non-methane organic gas (NMOG) exhaust mass emission 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."

BE IT FURTHER RESOLVED: That under the submitted NMOG fleet average compliance plan, if the manufacturer incurs a NMOG debit for the aforementioned model year based on the projected NMOG fleet average exceeding the value required by the above-referenced standards and test procedures, all incurred NMOG debits 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 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 11<sup>th</sup> day of August 1997.

  
R. B. Summerfield, Chief  
Mobile Source Operations Division

E. O. # A-3-167

1998 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: Mercedes-Benz Exh. Eng Family: WMBXV03.2GNU Evap. Family: WMBXE0155MNY  
 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-1   
 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  Equip  R/L Test Proc. SHED  Pt Source \_\_\_\_\_

Engine Configuration: L-6 Displacement: 3.2 Liters 195 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 228 / 5600 RPM  
 Engine: Front  Mid  Rear  Drive: FWD  RWD  4WD-FT  4WD-PT   
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / HO2S(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 104-32A-1                                | S 320  | L 5                              | 4 750                | 7.9               | A 022 545 28 32                   | ---                       | A 140 490 42 36                    |
|  |  |                                  |                      |                   |                                   |                           |                                    |

Date Issued:

Revisions: