

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-180-A-1  
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 passenger cars:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: XMBXV05.0GNB Displacement: 4.3 Liters (260 Cubic Inches)  
5.0 Liters (303 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

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

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

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

<u>Miles</u>	<u>Non-Methane Organic Gases</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.075	3.4	0.2	0.015	10.0
100,000	0.090	4.2	0.3	0.018	n/a

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

The certification exhaust emission values set forth for non-methane organic gases (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>Miles</u>	<u>Non-Methane Organic Gases</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.020	0.3	0.1	0.0003	3.6
100,000	0.020	0.4	0.1	0.0004	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 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 vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, 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 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: (For E430 and SL500 only) That the listed 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: (For C43AMG and CLK430 only) That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty vehicles and Engines").

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).

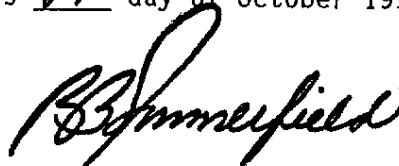
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et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

Executive Order A-3-180-A dated July 22, 1998, is superseded by Executive Order A-3-180-A-1.

Executed at El Monte, California this 29<sup>th</sup> day of October 1998.



R. B. Summerfield, Chief  
Mobile Source Operations Division

E. O. # A-3-180-A-1Page 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: XMBXV05.0GNB Evap. Family: XMBXR0155MNZ  
 All Eng Codes in Eng Fam: CA 49S 50S  AB985 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-8 Displacement: 4.3 / 5.0 Liters 260 / 303 Cubic Inches  
 Valves per Cylinder: 3 Rated HP: 275 @ 5750 / 302 @ 5500 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 (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type (A 4, M 5 etc)	ETW or Test Wt	BPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M 113-43-A	E 430	L 5	4000	7.3	A 024 545 81 32 or A 025 545 89 32	A 112 140 00 60	A 210 490 25 14 (underhood) A 210 490 42 14 or A 210 490 43 14 (underfloor)
M 113-50	SL 500	L 5	4500	8.2	A 025 545 89 32	A 112 140 00 60	A 129 490 55 14 or A 129 490 56 14 (underhood) A 220 490 07 14 or A 220 490 08 14 (underfloor)

Date Issued:

Revisions:

E. O. # A-3-180-A-1

Page 2 of 2

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

Manufacturer: Daimler-Benz Exh. Eng Family: XMBXV05.0QNB Evap. Family: XMBXR0155LNZ  
 Ali Eng Codes in Eng Fam: CA 49S 50S X AB965 ORVR Yes X No  
 Exh Std: CA Tier-1 TLEV LEV X ULEV SULEV US EPA Tier 4 NLEV  
 Veh Class(es): PC X 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 X Flex-Fuel      Dual-Fuel      Bi-Fuel      Gasoline X Diesel       
                   CNG      LNG      LPG      M85      Other (specify)       
 Exh. Emiss Test Fuel(s): Indo      CBG X 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 X  
 Service Accum: Std AMA X Mod AMA      Mfr ADP      Other (specify)       
 NMOG Test Procedure: N/A      Std X Equiv      R/L Test Proc. SHED X Pt Source     

Engine Configuration: V-8 Displacement: 4.3 Liters 260 Cubic Inches  
 Valves per Cylinder: 3 Rated HP: 302 @ 5050 / 275 @ 5750 RPM  
 Engine: Front X Mid      Rear      Drive: FWD      RWD X 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 (also list CA/49ST/50ST)	Vehicle Models (If coded see attachment)	Trans. Type (A 4, M 5 etc)	ETW or Test-Wt	BPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M 113-43-B	C43 AMG	L 5	3750	8.4	A 023 545 89 32	A 112 140 00 60	A 202 490 05 38 or A 202 490 06 36 (underhood) A 202 490 03 38 or A 202 490 04 36 (underfloor)
M113-43-C	CLK 430	L 5	3750	6.4	A 025 545 89 32	A 112 140 00 60	A 208 490 00 14 or A 208 490 01 14 (underhood) A 208 490 02 14 or A 208 490 03 14 (underfloor)

Date Issued:

Revisions: