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:

Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
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:

Miles	Non-Methane Organic Gases	Carbon Monoxide	Nitrogen Oxides	Formaldehyde	Carbon Monoxide (20°F)
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 29th day of October 1998.

R. B. Summerfield, Chief
Mobile Source Operations Division

E. O. # A-3-180-A-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 X AB985 ___ ORVR Yes X No ___

Exh Std: CA Tier-1 ___ TLEV ___ LEV X ULEV ___ SULEV ___ US EPA ~~Tier-1~~ 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 / 5.0 Liters 260 / 303 Cubic Inches

Valves per Cylinder: 3 Rated HP: 275 @ 5750 / 302 @ 5500 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~~	~~DPA 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 61 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

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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: XMBXR0155LNZ
All 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-1~~ 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 @ 5650 / 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 69 32	A 112 140 00 60	A 202 490 05 36 or A 202 490 06 36 (underhood) A 202 490 03 36 or A 202 490 04 36 (underfloor)
M113-43-C	CLK 430	L 5	3750	6.4	A 025 545 69 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: