

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-147  
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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1995 model-year Mercedes-Benz AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: SMB5.0VJGFEA Displacement: 4.2 Liters (256 Cubic Inches)  
5.0 Liters (303 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Secondary Air Injection
- Exhaust Gas Recirculation
- Dual Three Way Catalytic Converters
- Heated Oxygen Sensor
- Sequential Multiport Fuel Injection

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>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	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>
50,000	0.12	1.5	0.1
100,000	0.13	1.7	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 50,000-mile evaporative emission standards applicable to 1980 through 1994 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, based on the evaporative emission phase-in compliance schedule submitted by the vehicle manufacturer, the listed vehicle models shall not be subject to the running loss and useful life standards set forth in the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Motor Vehicles."

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 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 for 1988 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles with Three-Way Catalyst Systems and Feedback Control" (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models have been exempted from compliance with the "Malfunction and Diagnostic System Requirements-1994 and Subsequent Model-Year Passenger Cars, Light-duty Trucks, and Medium-Duty Vehicles and Engines" pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(2.0) 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 10<sup>th</sup> day of May, 1994.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

199 5 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Mercedes-Benz Exh Engine Family: SMB5.0VJGFEA  
 Evap Std: 50K X Useful Life with R/L      Evap Engine Family: SMB1030AYM01  
 Exh Std: Tier-0      Tier-1 X TLEV      LEV      ULEV      ZEV     ; EPA Tier-0      Tier-1 X  
 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)  
 Exh Cert Fuel(s): Indo X Ph2      Diesel: 13 CCR 2282      or 40 CFR 86.113-90      or -94       
                   M85      CNG      LPG      Other (specify)       
 Fuel Type(s): Dedicated      Flex-Fuel      Dual-Fuel      Gasoline X Diesel      M85       
                   CNG      LNG      LPG      Other (specify)       
 Hybrid: Type A      B      C     , APU Cycle (e.g., Otto, Diesel, Turbine)       
 Engine Configuration: V-8 Displacement: 4.2 / 5.0 Liters 256 / 303 Cubic Inches  
 Engine: Front X Mid      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT       
 Exhaust ECS (eg., EGR, MFI, TC, CAC): AIR/EGR/SFI/HO2S/2 TWC (OBD2 Exempt)  
 (use abbreviations per SAE J1930 SEP91)

Engine Code (also list <del>CAY198X/50ST</del> )	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M119-42FE-2	E 420	A	4000	7.4	015 545 60 32	001 140 76 60	124 490
							40 36
M119-42-5	S 420	A	5000	8.9	015 545 60 32	001 140 76 60	124 490
							41 36
							140 490
							92 14
							140 490
							94 14
							140 490
							91 14
							140 490
							93 14

Date Issued: \_\_\_\_\_

Revisions: \_\_\_\_\_

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Mercedes-Benz Exh Engine Family: SMBS.0VJGFEA  
 Evap Std: 50K X Useful Life with R/L      Evap Engine Family: SMB1030AYM01  
 Exh Std: Tier-0      Tier-1 X TLEV      LEV      ULEV      ZEV     ; EPA Tier-0      Tier-1 X  
 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)  
 Exh Cert Fuel(s): Indo X Ph2      Diesel: 13 CCR 2282      or 40 CFR 86.113-90      or -94       
                   M85      CNG      LPG      Other (specify)       
 Fuel Type(s): Dedicated      Flex-Fuel      Dual-Fuel      Gasoline X Diesel      M85       
                   CNG      LNG      LPG      Other (specify)       
 Hybrid: Type A      B      C     , APU Cycle (e.g., Otto, Diesel, Turbine)       
 Engine Configuration: V-8 Displacement:      / 5.0 Liters      / 303 Cubic Inches  
 Engine: Front X Mid      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT       
 Exhaust ECS (eg., EGR, MFI, TC, CAC): AIR/EGR/SFI/HO2S /TWC (OBD2 Exempt)  
 (use abbreviations per SAE J1930 SEP91)

Engine Code (also list <u>CA/49ST/50ST</u> )	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M119-50-5	S 500 Sedan (Coupe)	A	5000	8.9 (7.8)	015 545 61 32 015 545 62 32	001 140 76 60	140 490 92 14 140 490 94 14 140 490 91 14 140 490 93 14

Date Issued:

Revisions:

1995 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
 PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Mfr. Mercedes-Benz Engine Family: SMB5.0VJGFEA  
 All Eng Code in Eng Fam: CA 48S 50S   
 Exh. Std: Tier-0 Tier-1  TLEV LEV ULEV ZEV ; EPA Tier-0 Tier-1   
 Evap Std: 50K  Useful Life with R/L In-Use Exh Std: Full In-Use  Alt in-Use  
 Veh Class(es): PC  LDT1 LDT2 MDV1 MDV2 MDV3 MDV4 MDV5  
 Single Cert Std for Multi-Class Eng Fam: (specify: N/A, LDT1, MDV1, MDV2, MDV3, MDV4)  
 Exh Cert Fuel(s): Indo  Ph2 Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94  
 M85 CNG LPG Other (specify)  
 Fuel Type(s): Dedicated Flex-Fuel Dual-Fuel Gasoline  Diesel M85  
 CNG LNG LPG Other (specify)  
 Hybrid: Type A B C , APU Cycle (e.g., Otto, Diesel, Turbine)  
 Engine Config: V-8 Displacement: 5.0 Liters 303 Cubic Inches  
 Engine: Front  Mid. Rear Drive: FWD RWD  4WD-FT 4WD-PT  
 Exhaust ECS (e.g., EGR, MFI, TC, CAC): SFI/TWC/HO2S/AIR/EGR/OBDI  
 (Use abbreviations per SAE J1930 SEP91)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type A-automatic M-manual	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M119-50-4	SL500	A	4500	6.6	015 545 6132 015 545 6232	001 140 7660	129 490 28 14 129 490 29 14

Date Issued:

Revisions: