File

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:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
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:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
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 10th day of May, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

E.O.# A-3-147

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

Manufacturer: Mercedes-Benz Exh Engine Family: SMB5.OVJGFEA

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 ~~CAX198X~~/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.
M119-42FE-2	E 420	A	4000	7.4	015 545 60 32	001 140 76 60	124 490 40 36
							124 490 41 36
M119-42-5	S 420	A	5000	8.9	015 545 60 32	001 140 76 60	140 490 92 14
							140 490 94 14
							140 490 91 14
							140 490 93 14

Date Issued:

Revisions:

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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: ____ / 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 ~~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.
M119-50-5	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 X
Evaporative Family: SMB1030AYM01
Exh. Std: Tier-0 Tier-1 X TLEV LEV ULEV ZEV ; EPA Tier-0 Tier-1 X
Evap Std: 50K X Useful Life with R/L
In-Use Exh Std: Full In-Use X Alt in-Use
Veh Class(es): PC X 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 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 Config: V-8 Displacement: 5.0 Liters 303 Cubic Inches
Engine: Front X Mid. Rear Drive: FWD RWD X 4WD-FT 4WD-PT
Exhaust ECS (e.g., EGR, MFI, TC, CAC): SFI/TWC/HO2S/AIR/EGR/OBDI
(Use abbriviations 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	0155456132 0155456232	001140 7660	1294902814 1294902914

Date Issued:

Revisions: