State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-146
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: SMB3.6VJGFEK Displacement: 2.8 Liters (171 Cubic Inches)
3.2 Liters (195 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Secondary Air Injection
Exhaust Gas Recirculation
Sequential Multiport Fuel Injection
Heated Oxygen Sensors (Two)
Dual Three Way Catalytic Converters (Models C280/S320)
Three Way Catalytic Converter (Model SL320)
On-Board Diagnostic II

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

The certification exhaust emission standards (alternative in-use compliance standards in parentheses) for this engine family in grams per mile are:

Miles	Non-Methane Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
50,000	0.25 (0.32)	3.4 (5.2)	0.4 (n/a)
100,000	0.31 (n/a)	4.2 (n/a)	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	0.08	0.7	0.2
100,000	0.08	0.7	n/a

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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, based on a separate compliance plan submitted by the vehicle manufacturer, the listed vehicle models are permitted alternative in-use compliance 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 the submitted alternative in-use compliance plan satisfies the requirement that a maximum of 60 percent of the manufacturer's projected sales of 1995 model-year California-certified passenger cars and light-duty trucks will be subject to alternative in-use compliance as stipulated in the above-referenced 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 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 11th day of May, 1994.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

SUPERSEDED

E.O.# A-3-146

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

Manufacturer: Mercedes-Benz Exh Engine Family: SMB3.6VJGFEK

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: L-6 Displacement: ___ / 3.2 Liters ___ / 195 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 / OBD 2
(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.
M104-32A	S 320	A	5000	7.9	016 545 62 32	002 140	140 490 88 14
							140 490 90 14
							140 490 87 14
							140 490 89 14

Date Issued:

Revisions:

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

Manufacturer: Mercedes-Benz Exh Engine Family: SMB3.6VJGFEK

Evap Std: 50K X Useful Life with R/L___ Evap Engine Family: SMB1030AYP01

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: L-6 Displacement: 2.8 / ___ Liters 171 / ___ 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/OBD 2
(use abbreviations per SAE J1930 SEP91)

Engine Code (also list ~~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.
M104-28	C 280	A	3750	7.2	016 545 53 32	002 140 13 60	202 490 2314 / 2714
							202 490 2414 / 2814
							202 490 2514 / 2914
							202 490 2614 / 3014

Date Issued:

Revisions:

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Manufacturer: Mercedes-Benz Exh Engine Family: SMB3.6VJGFEK

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: L-6 Displacement: ___ / 3.2 Liters ___ / 195 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 / OBD 2
(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.
M104-32C	SL 320	A	4500	6.6	016 545 62 32	002 140 13 60	129 420 32 14 129 420 33 14 129 420 34 14 129 420 35 14

Date Issued:

Revisions:

SUPERSEDED