

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-162-B  
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1997 model-year Mercedes-Benz AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: VMB6.0VJGF EK Displacement: 6.0 Liters (365 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

Sequential Multiport Fuel Injection  
Secondary Air Injection  
Dual Heated Oxygen Sensors (two)  
Dual Three Way Catalytic Converters

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>	<u>Carbon Monoxide (20°F)</u>
50,000	0.25	3.4	0.4	10.0
100,000	0.31	4.2	0.6	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>	<u>Carbon Monoxide (20°F)</u>
50,000	0.11	0.7	0.1	3.4
100,000	0.11	0.7	0.1	n/a

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 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."

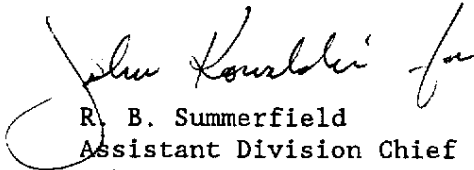
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles and Engines" (Title 13, California Code of Regulations, Section 1968.1) for the aforementioned 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 6<sup>th</sup> day of August 1996.

  
R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

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**1997 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

Manufacturer: Mercedes-Benz AG Exh. Eng Family: VMB6.0VJGFEK Evap. Eng Family: VMB1155AYMEO  
 All Eng Codes in Eng Fam: CA 49S 50S  AB965  
 Exh Std: CA Tier-1  TLEV LEV ULEV ZEV US EPA 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)  
 Fuel Type(s): Dedicated  Flex-Fuel Dual-Fuel Bi-Fuel Gasoline  Diesel  
CNG LNG LPG M85 Other (specify)       
 Emiss Test Fuel(s): Indo  Ph2 CNG LPG M85 Other (specify)       
 Diesel: 13 CCR 2282      40 CFR 86.113-90      40 CFR 86.113-94       
 Service Accum: Std AMA  Mod AMA Mfr ADP Other (specify)       
 NMOG Test Procedure: N/A Std Equiv R/L Test Proc. SHED  Pt Source       
 Hybrid: Type A B C APU Cycle (e. g., Otto, Diesel, Turbine)       
 Engine Configuration: V-12 Displacement: 6.0 Liters 385 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 389 / 5200 RPM  
 Engine: Front  Mid Rear Drive: FWD RWD  4WD-FT 4WD-PT  
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / 2HO2S(2) / 2TWC ~~LEDD-II~~

(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.
M 120-4	S 600	A 5	5 250	8.9	021 545 22 32	--	140 490 22 14 R 140 490 26 14 L  140 490 24 14 R 140 490 28 14 L  140 490 25 14 L 140 490 29 14 R  140 490 39 14 L 140 490 41 14 R

Date issued:

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Manufacturer: Mercedes-Benz AG Exh. Eng Family: VMB6.0VJGFEK Evap. Eng Family: VMB1030AYMA0  
 All Eng Codes in Eng Fam: CA      49S      50S X AB965       
 Exh Std: CA Tier-1 X TLEV      LEV      ULEV      ZEV      US EPA Tier-1 X  
 Evap Std: 50k X Useful Life with R/L      In-Use Exh Std: Full In Use X All In Use       
 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)       
 Emiss Test Fuel(s): Indo X Ph2      CNG      LPG      M85      Other (specify)       
                   Diesel: 13 CCR 2282      40 CFR 86.113-90      40 CFR 86.113-94       
 Service Accum: Std AMA X Mod AMA      Mfr ADP      Other (specify)       
 NMOG Test Procedure: N/A X Std      Equip      R/L Test Proc. SHED      Pt Source       
 Hybrid: Type A      B      C      APU Cycle (e. g., Otto, Diesel, Turbine)       
 Engine Configuration: V-12 Displacement: 6.0 Liters 365 Cubic Inches  
 Valves per Cylinder: 4 Rated HP: 389 / 5200 RPM  
 Engine: Front X Mid      Rear      Drive: FWD      RWD X 4WD-FT      4WD-PT       
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / 2HO2S(2) / 2TWC

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M 120-4 ( 50 ST )	SL 600	A 5	4 750	6.6	021 545 22 32	---	129 490 48 14 129 490 47 14  129 490 21 14 129 490 20 14

Date issued:

Revisions: