

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-132  
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 1993 model Mercedes-Benz AG exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: PMB5.0V5FA12    Displacement: 4.2 Liters (256 Cubic Inches)  
5.0 Liters (303 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

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

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	0.14	1.5	0.1
100,000	0.14	1.7	n/a

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered 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" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model year.

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" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

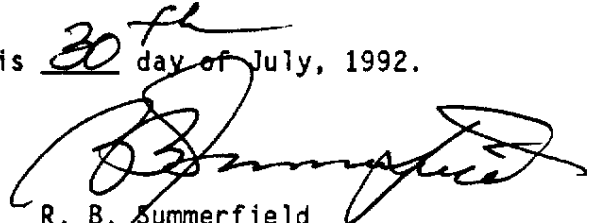
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 regulations (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 30<sup>th</sup> day of July, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

Manufacturer Mercedes-Benz Engine Family PMB5.0V5FA12  
 Passenger Car  (PC) Light-Duty Truck (T1/T2) Medium-Duty Vehicle (M1/M2/M3/M4/M5)  
 Stds Type: Tier 1 (Tier 0/1, AB965, TLEV, LEV, ULEV) Veh. Type (FFV, HEV(type A/B/C)):  
 Fuel Type: GASOLINE Evaporative Family: PMBV5-2  
 Engine Config. V-8 Liter (CID) 4.2(256)/5.0(303)  
 Engine: Front  Mid. Rear Drive: FWD RWD  4WD-FT 4WD-PT  
 Exhaust ECS & Special Features (incl. CARB, MFI, etc.) SFI/ /HO2S/AIR/EGR /2TWC  
 (use abbreviations per SAE 1930 MAY91)

EngineCode (Cert. Std.)	Vehicle Models (if coded see attachment)	Trans.Type A-automatic M-manual	ETW	DPA or RLHP	Ignition (ECM/PCM) Part No	EGR System Part No.	Catalyst Part No.
M 119-50-3	500SEL 500SEC	A-4	5250	9.7	014 545 43 32 or 014 545 42 32	001 140 76 60	underfloor right side 140 490 12 14 or 140 490 13 14 or 140 490 14 14 or 140 490 15 14 or 140 490 34 14 or 140 490 35 14  underfloor left side 140 490 16 14 or 140 490 17 14 or 140 490 18 14 or 140 490 19 14 or 140 490 36 14 or 140 490 37 14
M 119-42-3	400SEL	A-4	5250	9.7	014 545 45 32	001 140 76 60	" "