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State of California AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-87 Relating to Certification of New Motor Vehicles

DAIMLER-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 1988 model-year Daimler-Benz AG exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family		lacement Cubic Inches)	Exhaust Emission Control Systems (Special Features)
JMB4.2V6FA14	4.2	(256)	Air Injection - Pump Exhaust Gas Recirculation Warm-Up Three-Way Catalyst Three-Way Catalyst Heated Oxygen Sensor (Mechanical Port Fuel Injection) (On-Board Diagnostics)

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

The following are the emission standards for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
Grams per Mile	Grams per mile	<u>Grams per Mile</u>		
0.41	7.0	0.7		

The following are the certification emission values for this engine family:

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
Grams per Mile	Grams per Mile	Grams per Mile
0.13	1.2	0.1

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "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 Administrative Code, 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 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 Tune-Up Label Specifications" (Title 13, California Administrative Code, 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 Modle Year[s]..." (Title 13. California Administrative Code. 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 Administrative Code, 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 ______ day of October, 1987.

K. D. Drachand, Chief Mobile Source Division

Bob Grossfor

Attachment 3

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nufacturer Mercedes-Benz	Engine Family	2V6FA14
aporative Family JMBV6-2(al	t.JMBV6-1) Engine Type <u>v</u> Liters (CID) <u></u> 4.2 (25	-8 6)
,	L/(C, 3 \ (0.0)	
BREVIATIONS	•	,
nition System	Exhaust Emissions Control System	Special Features
A-Centrifugal Advance CU-Electronic Control Unit I-Electronic Ignition SAC-Electronic Spark Advance Control A-Vacuum Advance R-Vacuum Retard	AIP-Air Injection-Pump AIV-Air Injection-Valve DBC-Dual Bed Catalyst EGR-Exhaust Gas Recirculation EIC-Electronic Injection Control EM-Engine Modification OC-Oxidation Catalyst OS-Oxygen Sensor HOS-Heated Oxygen Sensor SPL-Smoke Puff Limiter or Throttle Delay TOC-Trap Oxidizer, Continual TOP-Trap Oxidizer, Periodical TWC-Three-Way Catalyst	CCV-Combustion Chamber Valve CFI-Central Fuel Injection or Throttle Body Injection DID-Diesel Injection- Direct DIP-Diesel Injection- Prechamber EFI-Electronic Fuel
uel System	WUOC-Warm-Up Oxidation Catalyst WUTWC-Warm-Up Three-Way Catalyt	Injection IC-Intercooler
FI, CL, DID, DIP, EFI, MFI NV-nVenturi Carburetor	nothe national and a second a second and a second a second and a second a second and a second an	or Aftercoole MFI-Mechanical Fuel Injection OBD-On-Board Diagnostics TC-Turbocharger

VEHICLE MODELS: 420SEL

ngine:	Front	×	Mid.		кеаг		,			
Drive:	FWD		RWD	<u> </u>	4WD	Full Time	 4WD	Part	Time	



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MY1988

Engine Family JMB4.2V6FA14

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Passenger Cars x Light-Duty Trucks Medium-Duty Vehicles

Gas x Diesel

Manufacturer: Mercedes-Benz

Engine family: JMB4.2V6FA14

Liter (CID) : 4.2 (256)

Engine Type : V-8

Emission Control System (Special Features): WUTWC, AIP, EGR, HOS, TWC (MFI, OBD)

	ngine Code	Vehicle Models (Dyno) (HP)	Trans Type	Equiv. Test Weight	Ign.System (ECU) Part No.	Fuel System Part No.	EGR-valve Part No.	Catalyst Part No.
M	116-3	420SEL (10.6)	A-4	4250	0035459132 0035459232<	Fuel Distr. 0438101018	0001408160	Underhood: 1264901814 1264902214<
4			-	7		0xygen Sen. 0075423217		Underfloor: 1264900714 1264901914<

< alternate manufacturer

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model and equipment. If two weights are listed, the lower weight will be used for testing.

Section No. 17.00.00.00	Title Supplemental Data Sheet	Issue Date 08-13-87
Revision No.	1	
Revision Date	01-21-88	