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### State of California AIR RESOURCES BOARD

### EXECUTIVE ORDER A-3-146-1 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) (195 Cubic Inches) (220 Cubic Inches) 3.2 Liters 3.6 Liters

## 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 C36/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:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
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:

<u>Miles</u>	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
50,000	0.11	0.8	0.2
100,000	0.12	0.8	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, 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.

Executive Order A-3-146 dated May 11, 1994, is superseded by Executive Order A-3-146-1.

Executed at El Monte, California this 5 day of December, 1994.

R. B. Summerfield

Assistant Division Chief Mobile Source Division

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

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Manufacturer:	Mercedes-Benz		Exh	Engine	Family:	SWB3	. 6VJGFEK		
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Single Cart S	td for Multi-Clas	s Eng Fam: 🖊	/ <b>ヿ</b> _ (spe	cify: N	I/A, LUII	, MUVI	, MUYZ, P	1043, F	1044)
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EXII CEI CI I GEI	M85 CN	IG LPG	Other (	specify	/)				
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rdel lype(s).	CNG LNG	LPG Other	(specify	)					
Nobaida Tuno	A B C	APIL Cycle (e.d	o. Otto.	Diesel	, Turbin	e)			
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Revisions:

E.O.# A-3-146-1

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

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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  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, MD  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 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 Inc  Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT  Exhaust ECS (eg., EGR, MFI, TC, CAC): AIR/EGR/SFT/HO2S(2)/TWC / OBD 2	
Exh Std: Tier-0Tier-1_X_TLEVLEVULEVZEV; EPA Tier-0Tier-1_Veh Class(es): PC_X_LDT1LDT2MDV1MDV2MDV3MDV4MDV5_ Single Cert Std for Multi-Class Eng Fam: \( \frac{N}{A} \) (specify: N/A, LDT1, MDV1, MDV2, MDV3, MD Exh Cert Fuel(s): Indo_X_Ph2Diesel: 13 CCR 2282 or 40 CFR 86.113-90 or -94  \[ \text{M85}CNGLPGDther (specify) Fuel Type(s): DedicatedFlex-FuelDual-FuelGasoline_X_DieselM85 \[ \text{CNG}LNGLPGDther (specify) Hybrid: Type ABC, APU Cycle (e.g., Otto, Diesel, Turbine) Engine Configuration: L-6Displacement: \( \frac{3.2}{3.2} \) Liters/ 195Cubic Incomes: Front X_MidRearDrive: FWDRWD_X4WD-FT4WD-PT4WD-PT4WD-PT	· 
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, MD  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 Inc  Fngine: Front X Mid Rear Drive: FWD RWD_X 4WD-FT 4WD-PT	<u>X</u>
Single Cert Std for Multi-Class Eng Fam:	

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Evap Std: 50 Exh Std: Tier Veh Class(es) Single Cert S Exh Cert Fuel Fuel Type(s) Hybrid: Type	Dedicated F1 CNG LNG A B C,	fe with R/L  TLEV LEV s Eng Fam: N/ 2 Diesel: G LPG ex-Fuel Du LPG Other APU Cycle (e.g	LVap ULEV. MDV1A (specify (specify () Otto,	MDV2_cify: N, 2282_specify Diesel	Family: SMB103  V; EPA Tiv  MDV3  /A, LDT1, MDV1  or 40 CFR 86.  )  Gasoline_X  , Turbine)  iters/	er-0 MDV4, MDV2, M 113-90 Diesel_	Tier-1_X MDV5 DV3, MDV4) or -94 M85 Ibic Inches
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