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

2.8 Liters (171 Cubic Inches) Engine Family: SMB3.6VJGFEK Displacement: (195 Cubic Inches) 3.2 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 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	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:

· Miles_	Non-Methane	Carbon	Nitrogen
	<u>Hydrocarbons</u>	<u>Monoxide</u>	<u>Oxides</u>
50,000	0.08	0.7	0.2
100,000		0.7	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.

R. B. Summerfield
Assistant Division Chief
Mobile Source Division

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Manufacturer	: Mercedes-Benz		Exh Engine	Family: SM	B3.6VJGFER	
Evap Std: 50	OK <u>X</u> Useful L	ife with R/L	Evap Engin	e Family: <u>SM</u>	B1030AYM01	
Exh Std: Tie	r-0 Tier-1 <u>X</u>	TLEV LEV	ULEV Z	EV; EPA T	ier-0	Tier-1 <u>X</u>
Veh Class(es)): PC <u>X</u> LDT1_	LDT2M	0V1 MDV2	MDV3	MDV4	MDV5
Single Cert	Std for Multi-Cla	ss Eng Fam: 🖊//	<u>4</u> (specify:	V/A, LDT1, MOV	I, MDV2, N	iDV3, MDV4)
Exh Cert Fue	1(s): IndoX P	h2 Diesel:	13 CCR 2282	or 40 CFR 86	.113-90	or -94
	M85 C	NG LPG (Other (specif	y)		
Fuel Type(s)	: Dedicated F	lex-Fuel Dua	I-Fuel	Gasoline <u>x</u>	_ Diesel_	M85
	CNGLNG	LPG Other (specify)			
	A B C,					
Engine Config	guration: L-6	Displacement:	3.2	Liters	/ 195 Cu	bic Inches
Engine: Front	t <u>X</u> Mid <u> </u>	RearDr	ive: FWD	RWD X 4WI)-FT	4WD-PT
Exhaust ECS	(eg., EGR, MFI, T	C, CAC): <u>AIR/E</u> G	R/SFT/H02S(2)	TWC / OBD 2		
			use abbrevia	tions per SAE	J1930 SEP9	1)
Engine Code	Vehicle Models	Trans. Type	ETW DPA	Ignition	EGR	Catalytic
(also list	(if coded see attachment)	A-automatic M-manual	or or RLHP	(ECM/PCM) Part No.	System Part No.	Converter Part No.
M104-32A	S 320	A	5000 7.9	016 545 62 32]	
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						140 490
						90 14
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Manufacturors	Mercedes-Renz		Exh Engine	Family: SMB	3.6VJGFEK	
Fune C+d: 50	V X Usoful Li	fe with R/L	Evan Engine	Family: SMB	1030AYP01	
Evap Sta: 50	-0 Tion-1 X	TLEVLEV	ULEY ZE	V : EPA T	er-0	Tier-1 <u>X</u>
EXH Stu: Her	or Y Inti	LDT2MDV	n MDV2	MDV3	MDV4	MDV5
ven Class(es)	to for Multi Class	s Eng Fam: N/A	/specify: N	I/A. LDTI MOV	MDV2.	IDV3, MDV4)
Single Cert S	TO TOP MULCIFULS	2 Diesel: 13	(300011)	or 40 CER 86.	113-90	or -94
Exh Cert Fuel	(s): Indo_X_ Pr	Z Dieset: 13	then (enecify	2)		-
	M85 CN	IG LPG Ot	Ther (specify	Gasalina Y	Diesel	M85
Fuel Type(s):	Dedicated FI	ex-Fuel Dual- LPG Other (sp	ruei	dasor ine x		
Hybrid: Type	ABC,	APU Cycle (e.g.,	otto, olese	it one 171	/ (1	bic Inches
Engine Config	juration: <u>L-6</u> [)isplacement: _2.8	5 / 51/2	nun Y AM)	AUD-PT
Engine: Front	X Mid F	RearDriv	P (CET /DOSC(3)	AMD A AMI	J*[1	TRD-F1
Exhaust ECS. (eg., EGR, MFI, TO	C, CAC): AIR/EG	r/SFI/HU25(2.	tions per SAE	J1930 SEP	91)
					EGR	Catalytic
Engine Code	Vehicle Models	Trans. Type	er DPA	l (ECM/PCM)	System	Converter
44957/50ST	attachment)	Trans. Type A-automatic M-manual Tes	st Wt RLHP	Part No.	Part No.	Part No.
	C 280		750 7.2	016 545 53 32	002 140	202 490
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						202 490
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Exh Std: Tler-0Tier-1_XTLEVLEVULEVZEV; EPA Trer-0Tier-1_X	Manufacturer	Mercedes-Ben	z	Exh	Engine	Family:	SMB3.	6VJGFEK	
Veh Class(es): PC_X_LDT1LDT2MDV1MDV2MBV3MDV4MDV5MDV3MDV4			· ·						
Single Cert Std for Multi-Class Eng Fam:	Exh Std: Tie	r-0 Tier-1 <u>X</u>	_ TLEV LEV	ULEV	ZE	V;	EPA T	ier-0	Tier-1_X_
Exh Cert Fuel(s): Indo X	Veh Class(es)): PC <u>X</u> LDT1_	LDT2 MC)V1	MDV2	MDV	3	MDV4	MDV5
### Note	Single Cert	Std for Multi-Cla	ss Eng Fam: MA	_ (spe	cify: N	V/A, LDT1	, MDV	1, MDV2, N	MDV3, MDV4)
Fuel Type(s): DedicatedFlex-FuelDual-Fuel	Exh Cert Fue	l(s): Indo <u>X</u> P	h2 Diesel: 1	3 CCR	2282	or 40 C	FR 86	113-90	ør -94
CNG	•	M85C	NG LPG C	ther (specify	1)			
CNG	Fuel Type(s)	DedicatedF	lex-Fuel Dual	-Fuel_	_	Gaso1	ine <u>X</u>	_ Diesel_	M85
Engine: Front_X_Mid	•	CNGLNG	LPG Other (s	pecify)				
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)/TWO / OBD 2 (use abbreviations per SAE J1930 SEP91) Engine Code (vehicle Models Trans. Type (also list (if coded see attachment))	Hybrid: Type	A B C,	APÚ Cycle (e.g.,	Otto,	Diesel	l, Turbin	e)		
Exhaust ECS (eg., EGR, MFI, TC, CAC): AIR/EGR/SFI/Ho2S(2)/TWC / OBD 2 (use abbreviations per SAE J1930 SEP91)	Engine Config	guration: <u>L-6</u>	Displacement:	\mathcal{A}	3.2	iters _		<u>/ 195</u> Ct	ibic Inches
Engine Code (also list (if coded see attachment)	-							D-FT	4WD-PT
Engine Code (also list (if coded see attachment)	Exhaust ECS	(eg., EGR, MFI, T	C, CAC): <u>AIR/E</u>	GR/SFI	/llo2 S(2)/TWC /	OBD 2		
(also list 1/4957/50ST (if coded see attachment)						ions per	SAE	01330 2Fb2	} 1}
M104-32C SL 320 A 4500 6.6 016 545 62 32 002 140 129 420 32 14 129 420 33 14 129 420 33 14 129 420 34 14 129 420 35 14			Trans. Type	ETW	DPA	Igniti	on	EGR	Catalytic
M104-32C SL 320 A 4500 6.6 016 545 62 32 002 140 129 420 32 14 129 420 33 14 129 420 33 14 129 420 34 14 129 420 35 14	-^ ^/49ST /50ST	attachment)	M-manual Te	st Wt	RLHP	Part	No.	Part No.	Part No.
Date Issued:									
Date Issued:	M104-32G	SL 320	A	1500	6.6	016 545	62 32		
Date Issued:						•		,5 00	*
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