

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-177-A-1
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 Order G-45-9;

IT IS ORDERED AND RESOLVED: That 1999 model-year Daimler-Benz AG exhaust emission control systems are certified as described below for passenger cars:

Emission Standard Category: Low-Emission Vehicle (LEV)

Fuel Type: Gasoline

Engine Family: XMBXV03.2GNB Displacement: 3.2 Liters (195 Cubic Inches)

Exhaust Emission Control Systems & Special Features:

Sequential Multiport Fuel Injection
Secondary Air Injection
Exhaust Gas Recirculation
Dual Three Way Catalytic Converters
Dual Warm Up Three Way Catalytic Converters
Dual Heated Oxygen Sensors (two)

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

The LEV certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gases</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.075	3.4	0.2	0.015	10.0
100,000	0.090	4.2	0.3	0.018	n/a

Reactivity Adjustment Factor (RAF) for NMOG Mass Emission: 0.94

The certification exhaust emission values set forth for non-methane organic gases (NMOG) reflect application of a 0.94 RAF for 1999 model-year LEVs. The LEV certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Organic Gases</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>	<u>Formaldehyde</u>	<u>Carbon Monoxide (20°F)</u>
50,000	0.014	0.2	0.1	0.001	2.8
100,000	0.014	0.2	0.1	0.003	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 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 running loss and useful life standards applicable to 1995 and subsequent 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 the vehicle manufacturer is certifying the listed vehicle models to the "California Refueling Emission Standards and Test Procedures for 1998 and Subsequent Model Motor Vehicles," Title 13, California Code of Regulations, Section 1978, and the listed vehicle models comply with those standards.

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 vehicle manufacturer has demonstrated compliance with the exhaust emission standards at 50 degrees Fahrenheit 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: (For E320 only) That the listed 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: (For C280 and CLK320 only) That the manufacturer is certifying the listed vehicle models with a partially complying on-board diagnostic system for the aforementioned model year pursuant to Title 13, California Code of Regulations, Section 1968.1(m)(6.2) ("Malfunction and Diagnostic System Requirements--1994 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks, and Medium-Duty vehicles and Engines").

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control and Smog Index Label Specifications" for the aforementioned model year (Title 13, California Code of Regulations, Section 1965).

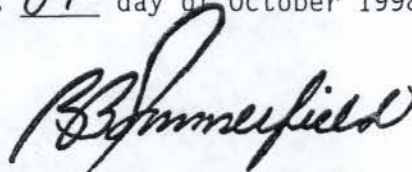
BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty provisions (Title 13, California Code of Regulations, Section 2035 et 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-3-177-A dated July 24, 1998, is superseded by Executive Order A-3-177-A-1.

Executed at El Monte, California this 29th day of October 1998.



R. B. Summerfield, Chief
Mobile Source Operations Division

E. O. # A-3-177-A-1

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1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Daimler-Benz Exh. Eng Family: XMBXV03.2GNB Evap. Family: XMBXR0155MNZ

All Eng Codes in Eng Fam: CA _____ 49S _____ 50S X AB965 _____ ORVR Yes X No _____

Exh Std: CA Tier-1 _____ TLEV _____ LEV X ULEV _____ SULEV _____ US EPA Tier 4 NLEV

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) _____

Exh. Emiss Test Fuel(s): Indo _____ CBG X CNG _____ LPG _____ M85 _____ Other (specify) _____
Diesel: 13 CCR 2282 _____ 40 CFR 86.113-90 _____ 40 CFR 86.113-94 _____

Evaporative Emission Test Procedure: California _____ Federal X

Service Accum: Std AMA X Mod AMA _____ Mfr ADP _____ Other (specify) _____

NMOG Test Procedure: N/A _____ Std X Equiv _____ R/L Test Proc. SHED X Pt Source _____

Engine Configuration: V-6 Displacement: 3.2 Liters 195 Cubic Inches

Valves per Cylinder: 3 Rated HP: 217 @ 5700 RPM

Engine: Front X Mid _____ Rear _____ Drive: FWD _____ RWD X 4WD-FT X 4WD-PT _____

Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S(2) / 2 WU-TWC / 2 TWC
(use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type (A 4, M 5 etc)	ETW or Test Wt	BPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M 112-32	E 320 (Sedan, RWD)	L 5	3 875	6.5	A 024 545 59 32 or A 025 545 86 32	A 112 140 00 60	A 210 490 25 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)
M 112-32	E 320 (Sedan, 4WD-FT)	L 5	4 000	8.0	A 024 545 59 32 or A 025 545 86 32	A 112 140 00 60	A 210 490 25 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)

Date Issued:

Revisions:

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**1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

Manufacturer: Daimler-Benz Exh. Eng Family: XMBXV03.2GNB Evap. Family: XMBXR0155MNZ
 All Eng Codes in Eng Fam: CA 49S 50S X AB965 ORVR Yes X No
 Exh Std: CA Tier-1 TLEV LEV X ULEV SULEV US EPA Tier-1 NLEV
 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)
 Exh. Emiss Test Fuel(s): Indo CBG X CNG LPG M85 Other (specify)
 Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
 Evaporative Emission Test Procedure: California Federal X
 Service Accum: Std AMA X Mod AMA Mfr ADP Other (specify)
 NMOG Test Procedure: N/A Std X Equiv R/L Test Proc. SHED X Pt Source

 Engine Configuration: V-6 Displacement: 3.2 Liters 195 Cubic Inches
 Valves per Cylinder: 3 Rated HP: 217 @ 5700 RPM
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT X 4WD-PT
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S(2) / 2 WU-TWC / 2 TWC

(use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (If coded see attachment)	Trans. Type (A 4, M 5 etc)	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M 112-32	E 320 (Station Wagon) RWD	L 5	4 000	7.4	A 024 545 59 32 or A 025 545 86 32	A 112 140 00 60	A 210 490 25 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)
M 112-32	E 320 (Station Wagon 4WD-FT)	L 5	4 250	9.0	A 024 545 59 32 or A 025 545 86 32	A 112 140 00 60	A 210 490 25 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)

Date issued:

Revisions:

1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: Daimler-Benz Exh. Eng Family: XMBXV03.2GNB Evap. Family: XMBXR0155LNZ
 All Eng Codes in Eng Fam: CA 49S 50S X AB965 ORVR Yes X No
 Exh Std: CA Tier-1 TLEV LEV X ULEV SULEV US EPA Tier-4 NLEV
 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)
 Exh. Emiss Test Fuel(s): Indo CBG X CNG LPG M85 Other (specify)
 Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
 Evaporative Emission Test Procedure: California Federal X
 Service Accum: Std AMA X Mod AMA Mfr ADP Other (specify)
 NMOG Test Procedure: N/A Std X Equip R/L Test Proc. SHED X Pt Source

Engine Configuration: V-6 Displacement: 2.8 / 3.2 Liters 171 / 195 Cubic Inches
 Valves per Cylinder: 3 Rated HP: 194 @ 5800 / 215 @ 5700 RPM
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT X 4WD-PT
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S(2) / 2 WU-TWC / 2 TWC

(use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/ <u>50ST</u>)	Vehicle Models (if coded see attachment)	Trans. Type (A 4, M 5 etc)	<u>ETW</u> or Test Wt	DPA or <u>RLHP</u>	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M 112-28	C 280	L 5	3 625	7.3	A 025 545 59 32	A 112 140 00 60	A 210 490 98 14 or A 202 490 99 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)
M 112-32A	CLK 320	L 5	3 625	5.9	A 024 545 59 32	A 112 140 00 60	A 202 490 98 14 or A 202 490 99 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)

Date Issued:

Revisions:

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1999 MODEL-YEAR AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

Manufacturer: <u>Daimler-Benz</u>		Exh. Eng Family: <u>XMBXV03.2GNB</u>		Evap. Family: <u>XMBXR0155LNZ</u>	
All Eng Codes in Eng Fam: <u>CA</u> <u>49S</u> <u>50S</u> <u>X</u>		<u>AB965</u> <u>ORVR</u> Yes <u>X</u> No <u></u>			
Exh Std: <u>CA</u> Tier-1 <u>TLEV</u> <u>LEV</u> <u>X</u> <u>ULEV</u> <u>SULEV</u>		<u>US</u> EPA Tier-1 <u>NLEV</u>			
Veh Class(es): <u>PC</u> <u>X</u> <u>LDT1</u> <u>LDT2</u> <u>MDV1</u> <u>MDV2</u> <u>MDV3</u> <u>MDV4</u> <u>MDV5</u>					
Single Cert Std for Multi-Class Eng Fam: <u>N/A</u>		(specify: <u>N/A</u> , <u>LDT1</u> , <u>MDV1</u> , <u>MDV2</u> , <u>MDV3</u> , <u>MDV4</u>)			
Fuel Type(s): <u>Dedicated</u> <u>X</u> <u>Flex-Fuel</u> <u>Dual-Fuel</u> <u>Bi-Fuel</u> <u>Gasoline</u> <u>X</u> <u>Diesel</u>		<u>CNG</u> <u>LNG</u> <u>LPG</u> <u>M85</u> <u>Other (specify)</u>			
Exh. Emiss Test Fuel(s): <u>Indo</u> <u>CBG</u> <u>X</u> <u>CNG</u> <u>LPG</u> <u>M85</u> <u>Other (specify)</u>		<u>Diesel: 13 CCR 2282</u> <u>40 CFR 86.113-90</u> <u>40 CFR 86.113-94</u>			
Evaporative Emission Test Procedure: <u>California</u> <u>Federal</u> <u>X</u>					
Service Accum: <u>Std AMA</u> <u>X</u> <u>Mod AMA</u> <u>Mfr ADP</u> <u>Other (specify)</u>					
NMOG Test Procedure: <u>N/A</u> <u>Std</u> <u>X</u> <u>Equiv</u> <u>R/L Test Proc.</u> <u>SHED</u> <u>X</u> <u>Pt Source</u>					

Engine Configuration: V-6 Displacement: 2.8 / 3.2 Liters 171 / 195 Cubic Inches
Valves per Cylinder: 3 Rated HP: 194 @ 5800 / 215 @ 5700 RPM
Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT
Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S(2) / 2 WU-TWC / 2 TWC
(use abbreviations per SAE J1930 JUN93)

Engine Code (also list CA/49ST/50ST)	Vehicle Models (if coded see attachment)	Trans. Type (A 4, M 5 etc)	ETW or Test Wt	DPA or RLHP	Ignition (ECM/PCM) Part No.	EGR System Part No.	Catalytic Converter Part No.
M 112-32A	CLK 320 Convertible	L 5	4 000	5.9	A 025 545 86 32	A 112 140 00 60	A 202 490 98 14 or A 202 490 99 14 (underhood) A 210 490 44 14 or A 210 490 45 14 (underfloor)

Date Issued:

Revisions:

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**1999 MODEL-YEAR AIR RESOURCES BOARD
CERTIFICATION REVIEW SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

(6.638)

Manufacturer: Daimler-Benz Exh. Engine Family: XMBXV03.2GNB Evap Family: XMBXR0155MNZ
 All Eng Codes in Eng Fam: CA 49S 50S X AB965 ORVR Yes X No
 Exh Std: CA Tier-1 TLEV LEV X ULEV SULEV US EPA Tier 1 NLEV
 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 CBG X CNG LPG M85 Other (specify)
 Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
 Evaporative Emission Test Procedure: California Federal X
 Service Accum: Std AMA X Mod AMA Mfr ADP Other (specify)
 NMOG Test Procedure: N/A Std X Equiv R/L Test Proc: SHED X Pt Source
 Engine Configuration: V-6 Displacement: 3.2 Liters 195 Cubic Inches
 Valves per Cylinder: 3 Rated HP: 217 @ 5700 RPM
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT X 4WD-PT
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S (2) / 2 WU-TWC / 2 TWC
 (use abbreviations per SAE J1930 JUN93)

	Sect. / Page #		Sect. / Page #
1 Authorized Representative	01	22 Gen Std, Increase in Emiss,	
2 Fuel Specifications	03	Safety, Meets al Reqmts	16
3 Test Equipment	04	23 Driveability Statement	17
4 Test Procedure	05	24 Adjustable Parameters	17
5 Mileage Accumulation Route	05	25 Tamper Resistance Method(s)	08
6 Emission Warranty Statement	17 attached	26 Fill Pipe Specifications	17
7 Maint: Cert/Req'd/Recm'd	06	27 High Altitude Compliance	17
8 Emiss Label/Vac Hose Diag	07	28 OBD Sys incl. Marked Revisions	08
9 Evap Control System	08 / 09	29 I&M Test Procedure & Data	17 attached
10 Engine Parameters	Description and cal.	30 50 Degree F Compliance	17
11 Fuel System	see sect. 08 and	31 Manufacturer's RAF	N/A
12 Ignition System	10 of engine	32 Phase-In Sched: ORVR Cert Std	17
13 Exhaust Control System	family	Full Range Misfire Monitoring	Section 08.21
14 Proj Sales (LDT/MDV Split)	17	LEV CAT Monitoring - 1 x 5 Std	Section 08.21
15 Vehicle Description	10	0.020" Orifice- Based Leak Chk	N/A
16 Evap Bench Test Procedure	17	MDV VEC Calculation	N/A
17 R/L Temp. / Press. Profile	09	33 NMOG Fleet Average Calculation	17
18 EDV Selection	17	34 AB965 Credits / Withdrawals	N/A
19 Prod Veh same as Test Veh	17	35 EPA Certificate	copy incl. 200 Lbv08
20 Emission Label Durability	17	36 Equiv. NMOG Proc.-ARB Approval	N/A
	Durability	Emission	Emission
21 Test Vehicle Information	Data Vehicle	Data Vehicle	Data Vehicle (Evap)
C/O or C/A MY & ID	c/o '98 E 320	'98 E320 (Bedan) (RWD)	'98 E320 (Wagon) (4 WD)
Vehicle Log Page(s)	S210E32 - Z 8009	W210E32 - Z 8013	S210E32 - Z 8014
		c/o '98 data	new data '99
		sect. 12	sect. 12
Zero Mile Book Page(s)	sect. 12	sect. 12	sect. 12
Maint Logs & Engr Eval			
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**1999 MODEL-YEAR AIR RESOURCES BOARD
CERTIFICATION REVIEW SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES**

(4.971)

Manufacturer: Daimler-Benz Exh. Engine Family: XMBXV03.2GN8 Evap Family: XMBXR0155LNZ
 All Eng Codes in Eng Fam: CA 49S 50S X AB985 ORVR Yes X No
 Exh Std: CA Tier-1 TLEV LEV X ULEV SULEV US EPA Tier-1 NLEV
 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 CBG X CNG LPG M85 Other (specify)
 Diesel: 13 CCR 2282 40 CFR 86.113-90 40 CFR 86.113-94
 Evaporative Emission Test Procedure: California Federal X
 Service Accum: Std AMA X Mod AMA Mfr ADP Other (specify)
 NMOG Test Procedure: N/A Std X Equiv R/L Test Proc: SHED X Pt Source
 Engine Configuration: V-6 Displacement: 2.8 / 3.2 Liters 171 / 195 Cubic Inches
 Valves per Cylinder: 3 Rated HP: 194 @ 5800 / 215 @ 5700 RPM
 Engine: Front X Mid Rear Drive: FWD RWD X 4WD-FT 4WD-PT
 Exhaust ECS (eg., MFI, EGR, TC, CAC): SFI / AIR / EGR / 2 HO2S (2) / 2 WU-TWC / 2 TWC
 (use abbreviations per SAE J1930 JUN93)

	Sect. / Page #		Sect. / Page #
1 Authorized Representative	01	22 Gen Std, Increase in Emiss,	
2 Fuel Specifications	03	Safety, Meets al Reqmts	16
3 Test Equipment	04	23 Driveability Statement	17
4 Test Procedure	05	24 Adjustable Parameters	17
5 Mileage Accumulation Route	05	25 Tamper Resistance Method(s)	08
6 Emission Warranty Statement	17 attached	26 Fill Pipe Specifications	17
7 Maint: Cert/Req'd/Recm'd	06	27 High Altitude Compliance	17
8 Emiss Label/Vac Hose Diag	07	28 OBD Sys Incl. Marked Revisions	08
9 Evap Control System	08 / 09	29 I&M Test Procedure & Data	17 attached
10 Engine Parameters	Description and cal.	30 50 Degree F Compliance	17
11 Fuel System	see sect. 08 and	31 Manufacturer's RAF	N/A
12 Ignition System	10 of engine	32 Phase-In Sched; ORVR Cert Std	17
13 Exhaust Control System	family	Full Range Misfire Monitoring	Section 08.21
14 Proj Sales (LDT/MDV Split)	17	LEV CAT Monitoring -- 1 x 5 Std	Section 08.21
15 Vehicle Description	10	0.020" Orifice- Based Leak Chk	N/A
16 Evap Bench Test Procedure	17	MDV VEC Calculation	N/A
17 R/L Temp. / Press. Profile	09	33 NMOG Fleet Average Calculation	17
18 EDV Selection	17	34 AB985 Credits / Withdrawals	N/A
19 Prod Veh same as Test Veh	17	35 EPA Certificate	copy incl. 200 LDPV17
20 Emission Label Durability	17	36 Equiv. NMOG Proc.-ARB Approval	N/A

	Durability	Emission	Emission	Emission
21 Test Vehicle Information	Data Vehicle	Data Vehicle	Data Vehicle	Data Vehicle (Evap)
C/O or C/A MY & ID	c/o '98 E 320	'98 E320 (Sedan)	'98 E320 (Wagon)	new Vehicle
Vehicle Log Page(s)	S210E32 - Z 8009	W210E32 - Z 8013	S210E32 - Z 8014	A208E32-Z8001
		c/o '98 data	new data '99	
Zero Mile Book Page(s)	sect. 12	sect. 12	sect. 12	sect. 12
Maint Logs & Engr Eval				

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1999 MODEL-YEAR QUALIFICATION REVIEW SHEET
PASSENGER CARS, LIGHT-DUTY TRUCKS AND MEDIUM-DUTY VEHICLES

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Manufacturer: Daimler-Benz Exhaust Engine Family: XMBXV03.2GNB Evaporative Family: XMBXR0155MNZ
(grams / mile, except grams / test for D + HS, and grams / gallon for ORVR ⁽¹⁾⁽²⁾)

Emission Data Vehicle ID ^a	Engine Code & Test Displ.	Loc.	(Check One)		MPG City/Hwy	(Check One)		CO	NOx	HCHO	CO	20°F	PM	Hwy		City		CO ₂		D+HS		R/L		D+HS		ORVR	
			TW	DPA		X	RLHP							NOx	CO ₂	NOx	CO ₂										
W210E32-Z8013	3.2 lit.	Mfr.	L-5	3 875	6.5	22.4/34.6	0.01400	0.160	0.069	0.00057	0.160	0.0057	0.005	0.005	385	0.005	0.007	0.005	0.007	0.005	0.007	0.005	0.007	0.005	0.007	0.005	0.007
S210E32-Z 8014	3.2 lit.	Mfr.	L-5	4 250	9.0	20.5/31.4	0.01435	0.122	0.075	0.00144	0.122	0.0075	0.004	0.004	422	0.004	0.006	0.004	0.006	0.004	0.006	0.004	0.006	0.004	0.006	0.004	0.006
S210E32-Z8014	3.2 lit.	Mfr.	L-5	4250	9.0	- / -	0.01435	0.122	0.075	0.00144	0.122	0.0075	0.004	0.004	422	0.004	0.006	0.004	0.006	0.004	0.006	0.004	0.006	0.004	0.006	0.004	0.006

(1)	The Emission Data Vehicle(s) above comply with standards of (80k): (100k for PC & LDT, 120k for MDV): The NMOG values include Reactivity Adjustment Factor(s) (RAF) of: Emission values include deterioration factors (DFs): (with RAF deterioration, if applicable) of (50k) (100k for PC and LDT, 120k for MDV): FLEV / LEV / ULEV+6ULEV-50°F emissions (with RAF but without DFs): FLEV / LEV / ULEV+5ULEV-50°F standards: Evaporative DFs are the average of: 3-day D + HS Vehicle DF 2-day D + HS Vehicle DF	0.075 0.090 Not Applicable 1.000 1.000 0.08580 0.150 0.00 0.01	3.4 4.2 Not Applicable 1.000 1.000 0.808 3.4 and 3-day D + HS Bench DF and 2-day D + HS Bench DF	0.2 0.3 0.015 1.558 2.164 0.025 0.2 D + HS Bench DF D + HS Bench DF	10.0 1.000 0.94 1.000 8.000 0.00146 0.030 0.00 0.06	0.3 0.4 Methane (CNG or LNG only) 1.558 2.164 0.00 0.000 0.000 0.000 0.000 0.000	2.5 2.5 0.05 0.000 0.000 0.000 0.000 0.000 0.000 0.000
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(2) List the configuration with the highest projected sales first.
(E320)
Remarks Fwll 0BZ. NMOG/NMHC = 1.068, HCHO/NMHC = 0.025.

Application Processed by S. Chen Date 10/28/98
Reviewed by Steve Yoda Date 10/28/98
Date Issued: 10/28/98
Revised: 10/28/98
Z0032GNBMZJ pms-b0

Manufacturer: Daimler-Benz Exhaust Engine Family: XMBXV03.2GNB Evaporative Family: XMBXR015SLNZ

P R O J E C T E D E M I S S I O N S
(grams / mile, except grams / test for D + HS, and grams / gallon for ORVR (1)(2))

Emission Data Vehicle Id#	Engine Code & Test	Displ.	Loc.	Trans	(Check One)		MPG City/Hwy	(Check One)				EVAPORATIVE			
					TW	DPA		CO	NOx	HCHO	CO	PM	NOK	City	3-day
W210E32-Z8013	3.2 Ltr.	Mfr.	L-5	3 B75	6.5	22.4/34.6	0.01400	0.160	0.069	0.00057	2.800	0.005	385	0.007	0.000
S210E32-Z 8014	3.2 Ltr.	Mfr.	L-5	4 250	9.0	20.5/31.4	0.01435	0.122	0.075	0.00144	2.800	0.004	422	0.006	0.000
A208E32-Z9001	3.2 Ltr.	Mfr.	L-5	4 000	5.9	- / -	0.01435	0.122	0.100	0.00264	-	-	-	-	0.850

(1)	The Emission Data Vehicle(s) above comply with standards of (300k): (100k for PC & LDT, 120k for MDV):	0.075	3.4	0.2	0.015	10.0	0.3	0.4	0.05	2.5	0.20
		0.090	4.2	0.3	0.018	-	0.4	0.4	0.05	2.5	0.20
(2)	The NMOC values include Reactivity Adjustment Factor(s) (RAF) of: Emission values include deterioration factors (DFs): (with RAF deterioration, if applicable) of (50k) (100k for PC and LDT, 120k for MDV): FLEV / LEV / ULEV / BULEV-50°F emissions (with RAF but without DFs): FLEV / LEV / ULEV / BULEV-50°F standards: Evaporative DFs are the average of: 3-day D + HS Vehicle DF 2-day D + HS Vehicle DF	Not Applicable	1.000	1.558	4.353	1.000	1.558	2.154	0.00	0.00	0.004
		1.000	1.000	2.164	8.000	-	2.154	0.00	0.00	0.00	0.004

Remarks: Partial 0BZ. NMOC/NMHC = 1.0679; HCHO/NMHC = 0.025. Running Charge 8/7/98 (add a 2nd ORVR fam.)

Application Processed by: S. Chen Date: 10/28/98 Reviewed by: Steve Hahn Date: 10/28/98

Date Issued: 10/28/98 10/28/98