

S.D.  
9/17

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-3-3  
Relating to Approval of New Motor Vehicles

DAIMLER-BENZ AG

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That Daimler-Benz AG exhaust emission control systems for 1974 model year light-duty motor vehicles are approved for the engine families described below:

Engine Family: L-4 with Engine Modification and Exhaust Gas Recirculation.

Engine Size: 141 CID with automatic transmission.

Vehicle Model: MB 115

Engine Family: L-6/Calif. with Air Injection, Exhaust Gas Recirculation and Thermal Reactor.

Engine Size: 167.5 CID with automatic transmission.

Vehicle Model: MB 114

Engine Family: V-8/Calif. with Fuel Injection, Air Injection and Exhaust Gas Recirculation

Engine Size: 276 CID with automatic transmission.

Vehicle Models: MB 107, MB 116

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that a decal be affixed to the side window which discloses the highest emissions from the certification fleet for the vehicle for which approval has been granted by the Board.

The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
L-4	2.4	17	2.0
L-6/Calif.	0.7	19	1.5
V-8/Calif.	3.1	32	2.0

According to the California Assembly-Line Test Procedure for 1974 Model Light-Duty Gasoline Powered Vehicles, these values shall be in effect during the first calendar quarter of model production and not to exceed 30 days, thereafter. Not more than one month after the first and each succeeding calendar quarter of production, the exhaust emissions shown on the window decal shall be the average quality audit values for the engine family of the previous calendar quarter of production.

Section B3 of the above procedure requires the manufacturer to submit to the Executive officer before the start of the model-year, a list of the engine components and control systems affecting emissions to be functionally checked and the procedure for performing these checks.

In accordance with Section II E. of the California Exhaust Emission Standards and Test Procedures for 1973 through 1976 Models Gasoline-Powered Light-Duty Motor Vehicles, the manufacturer is required to inform the Air Resources Board for any production changes which will affect emissions.

Supplemental information sheets are attached to this order which include tune-up specifications and emission control system data.

The Department of Motor Vehicles, the California Highway Patrol and the Bureau of Automotive Repair of the Department of Consumer Affairs will be notified of this approval by copy of this order and attachment.

Executed at Sacramento, California, this 20 day of September, 1973.

JOHN A. MAGA  
Executive Officer

AIR RESOURCES BOARD  
SUPPLEMENTAL INFORMATION  
1974 Model-Year  
Light Duty Vehicles

MANUFACTURER: DAIMLER-BENZ (MERCEDES)

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Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Transmission	Distributor Make & No.	Type Adv.*	Carburetor Make & No.	Emission Control System			
							Exhaust	NOx	Carbon Canister	Other*
MB115	141	1	A	Bosch 0231170137	C & V	Stromberg CDET 175CDT	EM	EGR	Carbon Canister	
MB114	167.5	4	A	Bosch 0231310002	C, V & VR	Solex 4A1 0010700204	AI	EGR		TR
MB116	276	-	A	0231403006	C, V & VR	Electronic, Fuel Injection 0280002008	FI & AI	EGR		
				0231403007						
MB107										

\* C - Centrifugal  
V - Vacuum  
VR - Vacuum Retard

\* TR - Thermal Reactor

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SUPPLEMENTAL INFORMATION  
1974 Model-Year  
Light Duty Vehicles

MANUFACTURER: DAIMLER-BENZ (Mercedes)

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Vehicle Model	Engine C.I.D.	Carburetor No. of Venturi	Trans- mission	Engine Family	Inertia Weight	Tune-up Specifications		
						Idle RPM	Basic Timing	Idle CO or AFR
MB115	141	1	A	L-4	3,500	800 to 900 in neutral	10° BTDC @ 800 RPM in neutral	1.5% CO
						700 to 900 in neutral	4° ATDC @ 800 RPM in neutral	6 to 8% CO W/O AI
MB114	167.5	4		L-6/Calif.		700 to 800 in neutral	5° ATDC @ 750 RPM in neutral	1.0% CO
MB107	276	-		V-8/Calif.	4,000	700 to 800 in neutral		
						4,500		
MB116								