# State of California AIR RESOURCES BOARD

#### EXECUTIVE ORDER A-8-29

### Relating to Certification of New Motor Vehicles

#### BAYERISCHE MOTOREN WERKE 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 1984 model-year Bayerische Motoren Werke AG exhaust emission control systems are certified as described below for diesel-powered passenger cars:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)				
EBM2.4D6JAB5	149 (2.4)	Engine Modifications Exhaust Gas Recirculation (Diesel Injection - Prechamber)				

Vehicle models, transmissions and engine codes are listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles".

Hydrocarbons	Carbon Monoxide	Nitrogen Oxides		
Grams per Mile	Grams per Mile	Grams per Mile		
0.46	8.4	1.0		

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		
0.20	1.9	0.8		

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 27th day of March, 1984.

K. D. Drachand, Chief Mobile Source Division

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Manufacturer _	BMW	Executive Order N	NoA-9-29	
Engine Family	EBM2.4D6JAB5	Evaporative Famil	ly n/a	
		Engine CID (Liter	rs) 149 (2.4)	
ABBREVIATIONS				
Ignition System	<u>m</u>	Exhaust Emissions Control Sys	stem Special Featur	res
Ignition System  CA-Centrifugal Advance EEC-Electronic Engine Control EI-Electronic Ignition ESAC-Electronic Spark Advance Control VA-Vacuum Advance VR-Vacuum Retard  Fuel System CFI, CL, DID, DIP, EFI, MFI nV-nVenturi Carburetor VV-Variable Venturi		AIP-Air Injection-Pump AIV-Air Injection-Valve CL-Closed Loop EGR-Exhaust Gas Recirculation EM-Engine Modification OC-Oxidation Catalyst System TR-Thermal Reactor TWC-Three-Way Catalyst System	DID-Diesel Injection Direct	Valve uel n n- er c
_			Fuel Injectior TC-Turbocharge	

### VEHICLE MODELS:

F:TW

FRONTAL AREA HP COAST DOWN HP

BMW 524td BMW 524tdA 3500 lbs.

10.5

9.5

Issue Date: 03/27/84

DRIVE SYSTEM: Front Engine/ Rear -Wheel Drive

## Section 17.08.00.00.

# AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

	rs <u>X</u> Light-Duty Bayerische Mot				Gas	Diesel <u>X</u>
Engine Famil	y EBM2.4D6JAB5 Features) EGR,		CID (liter		-inline six	cyl.
.Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System Part No.	Fuel System Part No.	EGR Valve	Label Ident. Part No.
2.4DA4C 2.4DM5C	BMW 524td	A4 M5	not appl.	DIP Injection pump: 1 285 522 Fuel injection nozzle 1 279 105	•	2 121 459 2 121 463 2 121 465
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Issue Date: 03/27/84
Revised:

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