

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-8-14  
Relating to Certification of New Motor Vehicles

BAYERISCHE MOTOREN WERKE

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 Bayerische Motoren Werke exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
BMW 28L	170.1	Three Way Catalyst with Closed Loop (Electronic Fuel Injection)

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
BMW 28L	0.27	1.6	0.6

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

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" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

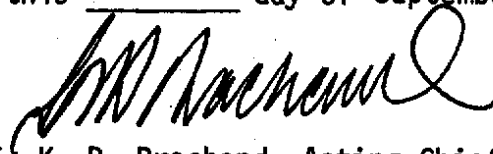
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That Bayerische Motoren Werke provided to the Executive Officer 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 28<sup>th</sup> day of September, 1979.



K. D. Drachand, Acting Chief  
Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Bayerische Motoren Werke Executive Order No. A-8-14 Page 1  
 Engine Family BMW 28L Engine (CID) 170.1

ABBREVIATIONS

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

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Exhaust Emissions Control System

AI-Air Injection  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst

Special Features

CCAV-Combustion  
 Chamber Air  
 Valve  
 EFI-Electronic  
 Fuel  
 Injection  
 MFI-Mechanical  
 Fuel  
 Injection  
 TC-Turbo Charged

Vehicle Models: BMW 528i  
 BMW 528iA

Evaporative Emission Control Family: EV 10

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E.O. #A-8-14

Passenger Cars     Light-Duty Trucks     Medium-Duty Vehicles     Gas     Diesel

Manufacturer Bayerische Motoren Werke

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Engine Family BMW 28L

CID-Type 170.1 - I6

Engine Code -

ECS (Special Features) TWC w/CL (EFI)

+ 10% (A/C)

Yes X No

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Test Weight Class (Inertia)	Ign. System CA,VA,EI Distributor Part No.	Fuel System EFI Part No.	EGR Valve Part No.	Label Ident. Part No.
28LM5	BMW 528i	M-5	3500 (3500)	0-237-304-015	0-280-001-122 Electronic Control Unit	None	2-121-063
28LA3	BMW 528iA	A-3					

Comments. See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class.

Date of Issue - 9-24-79