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## State of California AIR RESOURCES BOARD

## EXECUTIVE ORDER A-8-12 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 1979 model-year gasoline-powered passenger cars:

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)			
BMW 128.8	170.1	Three Way Catalyst (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 1979 model-year vehicles:

Engine Family	Hydrocarbons	Carbon Monoxide	Nitrogen Oxides
	Grams per Mile	Grams per Mile	Grams per Mile
BMW 128.8	0.26	1.8	0.7

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.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

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

Executed at El Monte, California this 29 day of August, 1978.

G. C. Hass, Chief Vehicle Emissions Control Division

## 1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Bay	erische Motoren Werke	Executive Order No.	A-8-12	Page	1
Engine Family	BMW 128.8	Engine (CID)	170.1		

ABBREVIATIONS
Ignition System
CA-Centrifugal Advance
EI-Electronic Ignition
ESAC
VA-Vacuum Advance
VR-Vacuum Retard

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Exhaust Emissions Control System AI-Air Injection CCAV-Comb. Chamber Air Valve EFI-Electronic Fuel Injection EGR-Exhaust Gas Recirculation EM-Engine Modification

ESAC-Electronic Spark Advance Control MFI-Mechanical Fuel Injection OC-Oxidation Catalyst
PAI-Pulse Air Injection
TC-Turbo Charged
TR-Thermal Reactor
TWC-Three Way Catalyst
(Feedback Control)
WOC-Warm-up Oxidation
Catalyst

Vehicle Models

BMW 528i BMW 528iA

Evaporative Emission Control Family: EV 10

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	X Passeng	er Cars		Light-Duty	/ Trucks	Medium-Duty	Vehicles
М	anufacturer Bay	erische	Motoren W	lerke			Page <u>2</u> Engine
E	Engine Family BMW 128.8 Engine (CID) 170.1					Code	
Е	mission Control	System _	TWC	,	+ ]	0% (A/C)	Yes No
Eng. Code	Vehicle Models (If Coded see attachment)	Trans.	Inertia Weight Class (Axle Ratio)*		Fuel System L-Jetronic EFI Part No.	EGR Valve	Tune-up Specification  (1) Basic Timing (2) Idle Mixture (3) Idle Speed
128.8 CFM4	528i	M-4	3500	0-237-304- 006	0-280-001- 118 Electronic Control Unit	None	(1) 22 + 1° BTDC at 2100 rpm with vac. hoses disconnected.  (2) 0.2-0.8% CO
128.8 CFA3	528iA	A-3					(3) 900 <u>+</u> 100 rpm in neutral.

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.

\*Axle ratio is that of medium duty certification vehicle.

Date of Issue - 8-29-78