

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-8-25
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 gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
EBM1.8V5FAB4	107.8 (1.8)	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 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."

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.41	7.0	0.4

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.24	2.0	0.2

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."

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 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 24th day of January, 1983.


K. D. Drachand, Chief
Mobile Source Control Division

Manufacturer BMW Executive Order No. A-8-25
 Engine Family EBM1.8V5FAB4 Evaporative Family EV 20
 Engine CID (Liters) 107.8 (1.8)

ABBREVIATIONSIgnition System

CA-Centrifugal Advance
 EEC-Electronic Engine Control
 EI-Electronic Ignition
 ESAC-Electronic Spark Advance Control
 VA-Vacuum Advance
 VR-Vacuum Retard

Exhaust Emissions Control System

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

Soècial Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi
 FI - Fuel Injectors
 AFM - Air Flow Meter
 LCU - L-Jetronic Control Unit

Vehicle Models

BMW318i

DRIVE SYSTEM: Front engine, rear wheel drive

1984

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer BMW E.O. #A-8-25

Engine Family EBM1.8V5FAB4 CID (liter) - Type 1.8 inline four cyl.

ECS (Special Features) TWC, CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System	Fuel System	EGR Valve	Label Ident.
			Part No.	Part No.	Part No.	Part No.
1.8 M5 1.8 A3	BMW 318i	M5 A3	CA, VA	EFI	n.a.	2 121 278
			0 237 002 080	LCU		2 121 280
			EI	0 280 000 310		1 874 981
			0 227 100 111	FI		2 121 233
				0 280 150 211		
				AFM		
				0 280 202 039		

Comments: See page 16-09 for abbreviations and evaporative emission family identification.



ENGINEERING EMISSION CONTROL

TEST WEIGHT / HORSEPOWER LIST

Engine Family	Model	Test Weight	Actual Road Load Power
EBM1.8V5FAB4	BMW 318i	2625 (lbs)	8.7 HP ('Coastdown' value)

ISSUE DATE	REV	DATE	11/19/82	SATISFACTORY	UNSATISFACTORY	DATE	NAME
10/25/82							