State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-8-30
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 1985 model-year Bayerische Motoren Werke AG exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family	Displacement Cubic Inches	(Liters)	Exhaust Emission Control Systems (Special Features)
FBM1.8V5FAB5	107.8	(1.8)	Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.41	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.29	2.2	0.2

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 13th day of November, 1984.

Bob Cross for

K. D. Drachand, Chief
Mobile Source Division

Manufacturer BMW

Executive Order No. A-8-30

Engine Family FBM1.8V5FAB5

Evaporative Family EV 20

Engine CID (Liters) 107.8 (1.8)

ABBREVIATIONS

Ignition 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

Special 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

DRIVE SYSTEM: Front engine, rear wheel drive

ISSUE DATE	REV.					SATISFACTORY		UNSATISFACTORY
1/24/84	DATE				DATE		NAME	

ENGINEERING EMISSION CONTROL

TEST VEHICLE REQUIREMENTS

Engine Family	Model	Test Weight	Actual Road Load Power
FBM1.8V5FAB5	BMW 318i	2 750 lbs.	8.5 hp ('Coastdown' value)

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AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer BMW E.O. A-8-30

Engine Family FBM1.8V5FAB5 CID (liter) - Type 1.8 inline four cyl.

ECS (Special Features) TWC, CL

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Ign. System Part No.	Fuel System Part No.	EGR Valve Part No.	Label Ident. Part No.
1.8 M5-1 1.8 A4	BMW 318i	M5 A4	CA, VA 0 237 002 096 EI 0 227 100 111	EFI LCU 0 280 000 310 FI 0 280 150 211 AFM 0 280 202 039	n.a.	2 121 503 1 874 981

Comments: See page 17-23 for abbreviations and evaporative emission family identification.

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1/24/84	DATE				DATE	NAME