State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-8-6
Relating to Certification of New Motor Vehicles

BAYERISCHE MOTOREN WERKE AG

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That Bayerische Motoren Werke AG exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 120.8
Engine: 121.3 CID
Transmission: 3-Speed Automatic, 4-Speed Manual
Exhaust Emission Control Systems: Engine Modification, Continuous Fuel Injection, Exhaust Gas Recirculation, Thermal Reactor, Air Injection

Model: BMW 320 i (manual)
BMW 320 iA (automatic)

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
120.8	.32	8.5	1.1

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 19th day of October, 1976.

G C Hass by [illegible]

G. C. Hass, Chief
Division of Vehicle Emissions Control

[X] Passenger Cars [ ] Light-Duty Trucks

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Engine Family 120.8 Engine (CID) 121.3 Engine Code 120.8/.8A

Emission Control System FI+EGR+TR+AI +10%(A/C) Yes [ ] No [X]

Vehicle Models (If Coded see attachment)	Trans	Inertia Weight	Distributor Type CVR Mfgr. Part Number	Fuel System Type CFI Mfgr. Part Number	EGR System Part No. Service*	Tune-Up Specification (1) Basic Timing (2) Idle Mixture (3) Idle Speed
320 i 320 iA	M-4 A-3	2750	Bosch 0 231 170 214	Bosch Mixture Control Unit 0 438 040 027, which includes 0 438 100 023 Fuel Distributor & 0 438 120 039 Air Flow Sensor Warm-up Regulator 0 438 140 014	P20279 I 12500	See attached lable 1. 25±1 Deg. BTDC @ 2400 RPM in Neutral, Vacuum Adv. Disconnected 2. 2.5-3.5% w/o air injection. 3. 950±100 RPM in neutral. Label shown on Page 2.

Comments

Date of Issue : Clarified 4 May 1977

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition
EI-Electronic Ignition

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

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection
OC-Oxidation Catalyst
PAI-Pulse Air Injection
RC-Reduction Catalyst
TR-Thermal Reactor
TWC-Three Way Catalyst
λ-Air Fuel Ratio Sensor

*Service
I-Inspect, repair/replace as needed
R-Replace