

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-58  
Relating to Certification of New Motor Vehicles

AMERICAN MOTORS CORPORATION

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 American Motors Corporation exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered light-duty trucks.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
BAM258T2HPX	258 (4.2)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst with Closed Loop

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 1981 model-year vehicles:

<u>Engine Family</u>	<u>Equiv. Inertia Weight</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
BAM258T2HPX	0-3999	0.21	6.3	1.0

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", amended June 26, 1980.

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 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That American Motors Corporation has 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 21<sup>ST</sup> day of August, 1980.

*K. D. Drachand by M*  
K. D. Drachand, Chief  
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corp. Executive Order No. A-17-58 Page 1

Engine Family BAM258T2HPX Evaporative Family E-2D-T

ABBREVIATIONS Engine CID (Liters) 258 (4.2)

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  
DI-Diesel Injection  
EFI-Electronic Fuel Injection  
MFI-Mechanical Fuel Injection  
TC-Turbocharged

Fuel System

CFI, DI, EFI, MFI  
nV-nVenturi Carburetor  
VV-Variable Venturi

Vehicle Models

CJ-5  
CJ-7  
CJ-8  
Eagle GT Liftback  
Eagle GT Sedan  
Eagle 2 Door Sedan  
Eagle 4 Door Sedan  
Eagle Wagon

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

Manufacturer American Motors Corporation Page 1A

Engine Family BAM258T2HPX Engine Code 1M1, 1M3  
1A1, 1A3

ECS (Special Features) AIP, EGR TWC/CL CID (Liter)-Type 258 (4.2) L-6

Engine Code	Vehicle Models (If Coded see attachment)	Trans.	Equiv. Test Weight	Ign. System CA, VA, EI Mfgr. Part No.	Fuel System 1-2V Mfgr. Part No.	EGR Valve Part No.	Label Ident. Part No.
1M1	CJ-5 CJ-7 CJ-8	M4	3125 3125 3250	Motorcraft 3239833	Carter 3238299 I.D. No. List 8307	3240187	5362381 5363282 (HD)
1M3	Eagle GT L/bk Eagle GT Sedan Eagle 2-door Eagle 4-door Eagle Wagon		3500 3500 3750 3750 3750			3240189	3240288
1A1	CJ-7 CJ-8	A3	3125 3250	Motorcraft 3235141	Carter 3238298 I.D. No. List 8302	3240192	5362383 5362384 (HD)
1A3 1A4(1)	Eagle GT L/bk Eagle GT Sedan Eagle 2-door Eagle 4-door Eagle Wagon		3625 3500 3750 3750 3875		Carter 3238405 I.D. No. List 8306	3240191	3240287

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 and equipment. If two test weights are listed, the lower weight will be used for testing.

\*Add 10% to dyno test HP for air conditioning usage.

Date of Issue - 8-18-80

(1) added per running change 81CT258-10.