

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-79  
Relating to Certification of New Motor Vehicles

AMERICAN MOTORS CORPORATION

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 American Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered light-duty trucks:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>                            |
|----------------------|---|---|
| FAM150T1HEA6         | 150 (2.5)                                     | Air Injection - Valve<br>Exhaust Gas Recirculation<br>Three-Way Catalyst with Closed Loop |

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 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>Equivalent<br/>Inertia<br/>Weight</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|--|---|---|
| 0-3999                                   | 0.39                                   | 9.0                                       | 1.0                                       |

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

| <u>Equivalent<br/>Inertia<br/>Weight</u> | <u>Hydrocarbons<br/>Grams per Mile</u> | <u>Carbon Monoxide<br/>Grams per Mile</u> | <u>Nitrogen Oxides<br/>Grams per Mile</u> |
|--|--|---|---|
| 0-3999                                   | 0.34                                   | 5.5                                       | 0.7                                       |

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 for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036) and Health and Safety Code Section 43204, provided, however, that jurisdiction is hereby reserved to modify these provisions to the extent made necessary by an EPA waiver decision, in order to assure that the listed vehicles comply with the minimum federal requirements applicable in California.

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 9<sup>th</sup> day of July, 1984.

  
K. D. Drachand, Chief  
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer American Motors Corporation Executive Order No. A-17-79  
 Engine Family FAM 150 T1 HE. A6 Evaporative Family FT-150E-7P and FT-150E-7S  
 Engine CID (Liters) 150 (2.5)

## 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  
 TOC - Trap Oxidizer Continual  
 TOP - Trap Oxidizer Periodical  
 TR - Thermal Reactor  
 TWC - Three-Way Catalyst System

Fuel System

CFI, CL, DID, DIP, EFI, MFI  
 nV - nVenturi Carburetor  
 VV - Variable Venturi

Special Features

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

## VEHICLE MODELS:

87 = Open Truck CJ7 4WD  
 88 = Scrambler 4WD  
 75 = Wagoneer 4WD  
 77 = Cherokee 2-Door 4WD  
 78 = Cherokee 4-Door 4WD

73 = Cherokee 2-Door 2WD  
 74 = Cherokee 4-Door 2WD

DRIVE SYSTEM: Front ENGINE/Front and Rear -WHEEL DRIVE

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEETPassenger Cars \_\_\_ Light-Duty Trucks X Medium-Duty Vehicles \_\_\_ Gas X Diesel \_\_\_Manufacturer American Motors Corporation Page 2Engine Family FAM 150 T1 HE A6 Engine Code \_\_\_\_\_ECS (Special Features) CL + EGR + AIV + TWC (None) CID (Liter) Type 150(2.5) I-4

| Engine Code | Vehicle Models<br>(If Coded See Attachment)(Hp) | Trans | Equiv. Test Weight | Ignition System<br>CA, VA<br>Part No. | Fuel System<br>Part No.   | EGR Valve<br>Part No.    | Label<br>Ident.<br>Part No. |
|-------------|---|-------|--------------------|---------------------------------------|---------------------------|--------------------------|-----------------------------|
| 1M1         | 87, 88, 78                                      | M4    | 3375               | 3242700                               | 8953002637<br>(List 7704) | 8933001943<br>(17084834) | 8953001898                  |
|             |   | M5    |                    |                                       |                           |                          | 8953001899                  |
|             |   | M4    |                    |                                       |                           |                          | 8953001804                  |
|             | 77  | M5    | 3250               |                                       |                           |                          |                             |
|             | 75  | M5    | 3375               |                                       |                           |                          |                             |
| 1A1         | 77  | A3    | 3250               |                                       | 8953002640<br>(List 7707) | 8953001516<br>(17084780) | 8953001805                  |
|             |   | A3    | 3375               |                                       |                           |                          |                             |
| 1M1         | 73, 74  | M4    | 3125               |                                       | 8953002637<br>(List 7704) | 8933001943<br>(17084834) | 8953001804                  |
|             |   | M5    |                    |                                       |                           |                          | 8953001805                  |
| 1A1         | 73, 74  | A3    | 3125               |                                       | 8953002640<br>(List 7707) | 8953001516<br>(17084780) | 8953001805                  |
| 1M1         | 73  | M4    | 3000               |                                       | 8953002637<br>(List 7704) | 8933001943<br>(17084834) | 8953001804                  |
|             |   |       |                    |                                       |                           |                          |                             |
|             |   |       |                    |                                       |                           |                          |                             |
|             |   |       |                    |                                       |                           |                          |                             |
|             |   |       |                    |                                       |                           |                          |                             |
|             |   |       |                    |                                       |                           |                          |                             |
|             |   |       |                    |                                       |                           |                          |                             |

Comments: 2WD MODELS 73 and 74 ADDED UNDER RUNNING CHANGE B5CT150-08.  
SPL MODEL 73 w/ RESTRICTED OPTIONS PKG - M4 TRANS. ONLY ADDED BY AMENDMENT  
TO R/C B5CT150-08.

(See Page 1 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.)

Note: Add 10% to dyno test HP for air conditioning usage.

Date of Issue: