

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-17-78  
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>          |
|----------------------|-----------------------------------------------|-------------------------------------------------------------------------|
| FAM360T2HLEO         | 360 (5.9)                                     | Air Injection - Pump<br>Exhaust Gas Recirculation<br>Three-Way Catalyst |

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> |
|------------------------------------------|----------------------------------------|-------------------------------------------|-------------------------------------------|
| 4000-5999                                | 0.50                                   | 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> |
|------------------------------------------|----------------------------------------|-------------------------------------------|-------------------------------------------|
| 4000-5999                                | 0.29                                   | 5.3                                       | 0.6                                       |

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 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-17-78  
 Engine Family FAm 360 T2 HL EO Evaporative Family FT-360A-1P  
 Engine CID (Liters) 360 (5.9)

## 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:

15 = Grand Wagoneer 4WD  
 26 = Jeep Pickup Truck 4WD

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

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Passenger Cars \_\_\_ Light-Duty Trucks \_\_\_ Medium-Duty Vehicles \_\_\_ Gas X Diesel \_\_\_  
 Manufacturer American Motors Corporation Page 2  
 Engine Family FAM 360 T2 HL E0 Engine Code \_\_\_\_\_  
 ECS (Special Features) EGR + AIP + TWC (None) CID (Liter) Type 360(5.9)V8

| Engine Code | Vehicle Models (If Coded See Attachment)(Hp) | Trans | Equiv. Test Weight | Ignition System Part No. | Fuel System Part No.           | EGR Valve Part No.          | Label Ident. Part No.    |
|-------------|----------------------------------------------|-------|--------------------|--------------------------|--------------------------------|-----------------------------|--------------------------|
| 1A1         | 15                                           | A3    | 4750               | CA, VA<br>3233174        | 2V<br>8933001726<br>(ID 4RHA2) | 3239372<br>(ID<br>17075570) | 8953001870<br>8953001871 |
| 1A1         | 26                                           | A3    | 4500               |                          |                                |                             |                          |
| 1A2         | 15                                           | A3    | 4750               |                          |                                | 3240102<br>(ID<br>17075667) | 8953003056<br>8953003057 |
| 1A2         | 26                                           | A3    | 4500               |                          |                                |                             |                          |
|             |                                              |       |                    |                          |                                |                             |                          |
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|             |                                              |       |                    |                          |                                |                             |                          |

Comments: 1A2 Engine Code Introduced Under Running Change 85CT360-04.

(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: