

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER R-9-1  
Relating to Certification of New Noncomplying Heavy-Duty  
Motor Vehicle Engines

CHRYSLER MOTORS CORPORATION

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 the following Chrysler Motors Corporation model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) of 8501 to 14,000 pounds:

| <u>Engine Family</u> | <u>Displacement<br/>Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>  |
|----------------------|---|---|
| JCC05.9BGAB          | 5.9 (360)                                     | Air Injection Pump - (Two)<br>Heated Oxygen Sensor<br>Exhaust Gas Recirculation<br>(Central Fuel Injection) |

*AIR PUMP  
CFI*

Engine models and codes are listed on attachments.

The following are the emission standard for nitrogen oxides and the upper limits for hydrocarbons and carbon monoxide emissions for this engine family:

| <u>Hydrocarbons<br/>gm/bhp-hr</u> | <u>Carbon<br/>Monoxide<br/>gm/bhp-hr</u> | <u>Nitrogen Oxides<br/>gm/bhp-hr</u> |
|-----------------------------------|--|--------------------------------------|
| 1.9                               | 37.1                                     | 6.0                                  |

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

| <u>Engine Family</u> | <u>Hydrocarbons<br/>gm/bhp-hr</u> | <u>Carbon<br/>Monoxide<br/>gm/bhp-hr</u> | <u>Nitrogen Oxides<br/>gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|--------------------------------------|
| JCC05.9BGAB          | 1.4                               | 29.4                                     | 4.9                                  |

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).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

BE IT FURTHER RESOLVED: This Certification is conditioned upon the engine manufacturer's establishment of a hydrocarbon and carbon monoxide emissions compliance level at or below the applicable upper limit and paying resultant nonconformance penalties as prescribed in the California Exhaust Emission Standards and Test Procedures for 1987 and Subsequent Model Heavy-Duty Gasoline-Powered Engines and Vehicles and the incorporated 40 CFR 86 Subpart L. If the hydrocarbon or carbon monoxide emissions compliance level exceeds the applicable upper limit, this Executive Order will be suspended pursuant to the California Exhaust Emission Standards and Test Procedures for 1987 and Subsequent Model Heavy-Duty Gasoline-Powered Engines and Vehicles and the incorporated 40 CFR 86.1114-87(e).

The Bureau of Automotive Repair will be notified by copy of this order.

Executed at El Monte, California this 14 day of July, 1988.

  
K. D. Drachand, Chief  
Mobile Source Division

**1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY GASOLINE ENGINES**

Manufacturer CHRYSLER MOTORS CORPORATIONEngine Family JCC05.9BGA8Liters (CID) 5.9 (360) Eng. Type GASOLINEEmission Control Sys. and (Special Features) EGR, HOS, CFI, OBD, DUAL AIR PUMP

| Engine Model<br>(Engine Code) | Maximum<br>Rated HP<br>at RPM | Rated<br>Torque<br>at RPM | Ignition<br>System<br>(ECU) | Fuel System                     | EGR Valve           | Catalyst            |
|-------------------------------|-------------------------------|---------------------------|-----------------------------|---------------------------------|---------------------|---------------------|
|                               |                               |                           | Mfr.<br>Part Number         | Mfr.<br>Part Number             | Mfr.<br>Part Number | Mfr.<br>Part Number |
| 360-1<br>AB-1                 | 205 @ 4000<br>(EST)           | 305 @<br>2000<br>(EST)    | 4379796<br>4379923          | 4307859<br>53006041<br>53006141 | 4287165             | NONE                |
| 360-1<br>AB-2                 |                               |                           | 4379800<br>4379925          |                                 |                     |                     |

Date of Issue \_\_\_\_\_

Revisions: