

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-425

Relating to Certification of New Heavy-Duty Motor Vehicle Engines

GENERAL 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 Orders G-45-3;

IT IS ORDERED AND RESOLVED: That the following General Motors Corporation 1988 model-year diesel engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating (GVWR) over 8,500 pounds:

| <u>Engine Family</u> | <u>Displacement<br/>Liters (Cubic Inches)</u> | <u>Exhaust Emission Control Systems<br/>(Special Features)</u>                                 |
|----------------------|---|--|
| JGMO736FZHX          | 12.0 (736)                                    | Electronic Injection Control<br>(Diesel Injection - Direct)<br>(Turbocharger)<br>(Intercooler) |

Engine models and codes are listed on attachments.

The following are the emission standards 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> | <u>Particulates<br/>gm/bhp-hr</u> |
|-----------------------------------|--|--------------------------------------|-----------------------------------|
| 1.3                               | 15.5                                     | 6.0                                  | 0.60                              |

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> | <u>Particulates<br/>gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|--------------------------------------|-----------------------------------|
| JGMO736FZHX          | 0.5                               | 2.6                                      | 5.9                                  | 0.54                              |

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.

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 January, 1988.



K. D. Drachand, Chief  
Mobile Source Division

17-JGM0736FZHX-13A

(For CARB Use Only)

(1988)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: General Motors Corporation

Executive Order No.: A-6-425

Engine Family: JGM0736FZHX

Evaporative Family: EIC, (IC), (TC), (DID)

Liter (CID): 12.0 (736)

| ENG MODEL          | FUEL INJECTION<br>PUMP MFR<br>PART NO. | INJECTOR MFR<br>PART NO.        | MAXIMUM<br>RATED HP<br>AT RPM | FUEL RATE<br>mm <sup>3</sup> /STROKE<br>(LBS/HR) | MAXIMUM<br>RATED<br>TORQUE<br>AT RPM | FUEL RATE<br>mm <sup>3</sup> /STROKE<br>(LBS/HR) |
|--------------------|--|---------------------------------|-------------------------------|--|--------------------------------------|--|
| 8V-92TA<br>DDEC II | NA                                     | General Motors<br>1B<br>5234775 | 450@2100                      | 93.0<br>(173.2)                                  | 1425@1200                            | 109.4<br>(116.4)                                 |
| 8V-92TA<br>DDEC II | NA                                     | General Motors<br>2B<br>5234915 | 400@1800                      | 89.7<br>(143.2)                                  | 1315@1200                            | 97.5<br>(103.7)                                  |
| 8V-92TA<br>DDEC II | NA                                     | General Motors<br>3B<br>5234915 | 400@2100                      | 81.6<br>(152.0)                                  | 1150@1200                            | 85.8<br>(91.3)                                   |

ISSUED: 004

REV. NO.:

313T/28T