

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-292
Relating to Certification of New 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 Order G-45-3;

IT IS ORDERED AND RESOLVED: That the following General Motors Corporation 1984 model-year diesel engines have shown compliance with the optional transient standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|-------|--|
| EGM08.2EAB5 | 500 | (8.2) | Engine Modification (Turbocharged) (Diesel Injection - Direct) |
| EGM0552FWG3 | 552 | (9.0) | Aftercooler Throttle Delay (Turbocharged) (Diesel Injection - Direct) |

Engine models and codes are listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model-year heavy-duty engine exhaust emission standards and the following certification emission values:

| <u>Engine Family</u> | <u>Hydrocarbons gm/bhp-hr</u> | <u>Carbon Monoxide gm/bhp-hr</u> | <u>Nitrogen Oxides gm/bhp-hr</u> |
|----------------------|-----------------------------------|--|--------------------------------------|
| EGM08.2EAB5 | 0.8 | 2.9 | 4.7 |
| EGM0552FWG3 | 1.0 | 3.4 | 4.7 |

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.

Executed at El Monte, California this 14th day of December, 1983.



K. D. Drachand, Chief
Mobile Source Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION Page 1
 Engine Family EGM08.2EAB5 CID (Liter)-Type 500 (8.2) - V8
 ECS (Special Features) Engine Modification (Turbocharged) (DID)

| Engine Model (Engine Code) | Fuel Injection Pump Mfr. Part Number | Injector Mfr. Part Number | Maximum Rated HP and RPM | Fuel Rate at Maximum HP mm ³ /stroke | Label Ident. |
|-------------------------------|---|-------------------------------------|--------------------------------|---|-----------------|
| V8-8.2T | NA | 4E67 GMC 5226180 | 205 @ 3000 | 65.1 | 8925619 |

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION Page #2

Engine Family EGM0552FWG3 CID (Liter)-Type 552 (9.0) - V6 (DID)

ECS (Special Features) Throttle Delay or Fuel Modulator & Aftercooler (Turbocharged)

| Engine Model (Engine Code) | Fuel Injection Pump Mfr. Part Number | Injector Mfr. Part Number | Maximum Rated HP and RPM | Fuel Rate at Maximum HP mm ³ /stroke | Label Ident. |
|-------------------------------|---|-------------------------------------|--------------------------------|---|-----------------|
| 6V-92TA | NA | 7G65/7S65 GMC 5229895/5226170 | 232@2100 | 71.7 | 8926084 |
| | | 7G70/7S70 GMC 5229900/5226155 | 253@2100 | 77.1 | |
| | | 7G75/7S75 GMC 5229905/5226145 | 271@2100 | 81.9 | |
| | | 9E65/9S65 GMC 5229970/5226165 | 240@2100 | 71.9 | |
| | | 9E70/9S70 GMC 5229975/5226135 | 260@2100 | 76.6 | |
| | | 9F80 GMC 5226080 | 288@2100 | 82.1 | |
| | | 9F85 GMC 5226085 | 306@2100 | 87.1 | |
| | | 9F90 GMC 5226090 | 325@2100 | 92.1 | |
| | | 9F90 CP GMC 5226090 | 240@1800 Min. | 76.8 | |

Date of Issue: 11-15-83

Rev.: 01-17-84; added 9FXX series injectors (9F80, 9F85, 9F90, and 9F90 CP) *PER RC #7.*

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