

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-327  
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 1985 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>
FGM08.2DAB1	500	(8.2)	Engine Modification (Diesel Injection - Direct)
FGM08.2EAB4	500	(8.2)	Engine Modification (Diesel Injection - Direct) (Turbocharged)

Engine models and codes are listed on attachments.

The following are the certification emission values for these engine families:

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
FGM08.2DAB1	0.8	3.6	4.8
FGM08.2EAB4	0.8	2.6	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).

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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 13<sup>th</sup> day of December, 1984.



K. D. Drachand, Chief  
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION  
 Engine Family FGM08.2DAB1 CID (Liter)-Type 500 (8.2) - V8  
 ECS (Special Features) EM (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 <sup>3</sup> /stroke	Label Ident.
V8-8.2	NA	4B55 GMC 5226175	165@2800	54.9	8927426
		4B45 GMC 5226055	145@2800	48.5	

ISSUED: 11-16-84

REVISED:

0701P/17P

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
HEAVY-DUTY DIESEL ENGINES

Manufacturer GENERAL MOTORS CORPORATION  
 Engine Family FGM08.2EAB4 CID (Liter)-Type 500 (8.2) - V8  
 ECS (Special Features) EM (TC, 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 <sup>3</sup> /stroke	Label Ident.
V8-8.2T	NA	4E67 GMC 5226180	205@3000	65.1	8927427
		4K60 GMC 5226445	165@2600	54.6	

ISSUED: 11-16-84

REVISED:

0701P/17P