

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-388  
Relating to Certification of New Motor Vehicle Heavy-Duty 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 1987 model-year heavy-duty diesel engines have shown compliance with the transient test procedure and 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>
HGM0552FWGO	552 (9.0)	Throttle Delay (Diesel Injection - Direct) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

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

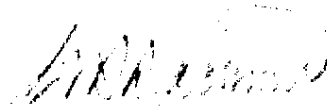
<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
HGM0552FWGO	0.9	3.6	4.3

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 29<sup>th</sup> day of September, 1986.

  
K. D. Drachand, Chief  
Mobile Source Division

17-HGM0552FWGO-7A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: General Motors Corporation

Executive Order No.: A-6-388

Engine Family: HGM0552FWGO

Liter (CID): 9.0 (552)

Exhaust Emission Control System: Throttle Delay or Fuel Modulator, (IC), (MFI), (DID), (TC)

ENG MODEL	FUEL INJECTION PUMP MFR PART NO.	INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm <sup>3</sup> /STROKE (LBS/HR)	MAXIMUM RATED TORQUE AT RPM	FUEL RATE mm <sup>3</sup> /STROKE (LBS/HR)
6V-92TA	NA	9E65/9S65 GMC 5229970/5226165	240@2100	71.5 (100.1)	825@1000	87.7 (58.3)
		9E70/9S70 GMC 5229975/5226135	260@2100	77.0 (107.5)	872@1000	93.4 (62.1)
		9F80/9S80 GMC 5226495/5226515	270@2100	78.5 (109.6)	882@1000	94.8 (63.1)
		9F85 GMC 5226085	320@2100	88.2 (123.2)	950@1200	98.3 (78.4)
		9F90 GMC 5226090	340@2100	93.2 (130.2)	1000@1200	103.3 (82.4)
		9F90 CP GMC 5226090	300@2100	80.9 (113.0)	1000@1200	103.3 (82.4)
		9F90 GMC 5226090	325@2100	92.1 (128.6)	958@1200	102.4 (81.7)
		9F90 GMC 5226090	304@1800	94.3 (112.9)	958@1000	102.4 (81.7)

ISSUED: 001

REV. NO.: 005

0120S/17S

17-HGM0552FWGO-8A

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(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: General Motors Corporation

Executive Order No.: A-6-388

Engine Family: HGM0552FWGO

Liter (CID): 9.0 (552)

Exhaust Emission Control System: Throttle Delay or Fuel Modulator, (IC), (MFI), (DID), (TC)

ENG MODEL	FUEL INJECTION PUMP MFR PART NO.	INJECTOR MFR PART NO.	MAXIMUM RATED HP AT RPM	FUEL RATE mm3/STROKE (LBS/HR)	MAXIMUM RATED TORQUE AT RPM	FUEL RATE mm3/STROKE (LBS/HR)
6V-92TA	NA	9F85 GMC 5226085	306@2100	87.1 (121.7)	917@1200	97.4 (77.4)
		9F85 GMC 5226085	284@1800	89.3 (106.9)	917@1200	97.4 (77.4)
		9F85 GMC 5226085	308@1950	89.5 (116.1)	950@1200	98.3 (78.4)
		9F80 GMC 5226495	300@2100	82.7 (115.5)	920@1000	98.0 (65.2)

UED: 001

REV. NO.:

0120S