State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-389
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:

Engine Family	Displacement Cubic Inches (Liters)		Exhaust Emission Control Systems (Special Features)
HGM0552FZG6	552	(9.0)	Electronic Injection Control (Diesel Injection - Direct) (Turbocharger) (Intercooler)

Engine models and codes are listed on attachments.

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

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
HGM0552FZG6	0.9	2.7	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.

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

Executed at El Monte, California this _____ day of September, 1986.

K. D. Drachand, Chief
Mobile Source Division

17-HGM0552FZG6-14A

(For CARB Use Only)

(1987)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY DIESEL ENGINES

Manufacturer: General Motors Corporation

Executive Order No.: A-6-389

Engine Family: HGM0552FZG6

Exhaust Emission Control System: Electronic Controls, (IC)(TC)(DID)

Liter (CID): 9.0 (552)

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 (JWAC)-DDEC	NA	General Motors 6A 5234850	260 @ 2100	75.4 (105.3)	867 @ 1000	89.4 (59.5)

ISSUED: 001

REV. NO.: 001

0120S