State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-462
Relating to Certification of New Heavy-Duty Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43835 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 Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1989 model-year General Motors Corporation motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) of 8501 to 14,000 pounds are certified using the gasoline engines listed below:

Engine Manufacturer	Engine Family	Displacement Liters	(Cubic inches)	Engine Model Year and Certification Executive Order No.	
General Motors	KGM04.8ABA8	4.8	(292)	1989	A-6-459
General Motors	KGM07.4AGA9	7.4	(454)	1989	A-6-459

The manufacturer has elected to certify those engines used in motor vehicles of 8,501 to 14,000 pounds GVWR to emission standards for engines used in motor vehicles over 14,000 pounds GVWR in accordance with 40 CFR 86.088-10(a)(3)(i). The manufacturer will use Tune-Up Label statements in accordance with California Motor Vehicle Tune-Up Label Specifications and will submit final California sales figures within 60 days after the end of production.

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

Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
1.9	37.1	6.0

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
KGM05.8ABA8	0.8	18.2	5.4
KGM07.4AGA9	0.9	24.9	5.3

BE IT FURTHER RESOLVED: That 1989 model-year vehicle models listed on the attached sheet also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

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 the Executive Order must conform to all applicable California emission regulations.

BE IT FURTHER RESOLVED: That if the manufacturer exceeds the 5% limit stipulated in 40 CFR 86.088-10(a)(3)(i), penalties as specified in California Health and Safety Code Section 43154 shall apply.

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

Executed at El Monte, California this 14th day of July, 1988.

K. D. Drachand, Chief
Mobile Source Division

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-462

Heavy Duty Gasoline Powered Vehicles

Vehicle Models (Series)	Engine Families KGM04.8ABA8	KGM05.7AGA9	KGM07.4AGA9
	Engine CID Values Appear Below		
Forward Control - G Models			
Hi-Cube Van/Magnavan - G30			
Cutaway Van/Vandura Spl - G30			
Van/Vandura - G30			
Sportvan/Rally Wagon - G30			
Forward Control - P Models			
Forward Control Chassis - P20			
Step-Van/Value Van - P20			
Forward Control Chassis - P30			
Motor Home Chassis - P30			454
Step-Van/Value Van - P30			
Conventional Cab & Chassis			
C5D042		350	
C6D042		350	366
C7D042, C7D064			366, 427
School Bus			
B6P042		350	366
S7T042			366
Forward Control Chassis			
P4T042	292		
P6T042		350	366
Pickup			
RV30			454

SUED: 05-23-88 REV. NO.:

272W/

(For CARB Use Only)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY-DUTY GASOLINE ENGINES

Manufacturer: General Motors Corporation Executive Order No.: A-6-462

Engine Family: KGM04.8ABA8 Exhaust Emission Control System: AIP

Liter (CID): 4.8L (292)

ENG MODEL (ENG CODE)	MAXIMUM RATED HP AT RPM	RATED TORQUE AT RPM	IGNITION SYS (DISTRIBUTOR) MFR PART NO.	FUEL SYSTEM (CARBURETOR) MFR PART NO.	EGR VALVE MFR PART NO.	CATALYST MFR PART NO.
L25 (2)	116 @ 4000	214 @ 800	Delco Remy 1103719	Rochester 17086096, 17086101	NA	NA