

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 <u>gm/bhp-hr</u>	Carbon Monoxide <u>gm/bhp-hr</u>	Nitrogen Oxides <u>gm/bhp-hr</u>
1.9	37.1	6.0

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

Engine Family	Hydrocarbons <u>gm/bhp-hr</u>	Carbon Monoxide <u>gm/bhp-hr</u>	Nitrogen Oxides <u>gm/bhp-hr</u>
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 14<sup>th</sup> 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

Engine Families  
KGM04.8ABA8      KGM05.7AGA9      KGM07.4AGA9

## Vehicle Models (Series)

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  
 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
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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-6-46Z

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

ISSUED: 05-23-88

REV. NO.: 001

0272W/31W