

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-460
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) over 14,000 pounds are certified using the gasoline engines listed below:

<u>Engine Manufacturer</u>	<u>Engine Family</u>	<u>Displacement Liters (Cubic Inches)</u>	<u>Engine Model Year and Certification Executive Order No.</u>
General Motors	KGM04.8ABA8	4.8 (292)	1989 A-6-457
General Motors	KGM05.7AGA9	5.7 (350)	1989 A-6-457
General Motors	KGM05.7BLA4	5.7 (350)	1989 A-6-457
General Motors	KGM07.4AGA9	6.0 (366) 7.0 (427) 7.4 (454)	1989 A-6-457

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

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

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>
KGM04.8ABA8	0.8	18.2	5.4
KGM05.7AGA9	0.9	25.0	4.2

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
KGM05.7BLA4	1.4	33.7	5.3
KGM07.4AGA9	0.5	9.5	2.8

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.

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

(EVAPORATIVE)

Manufacturer General Motors CorporationExecutive Order No. A-6-460

Heavy Duty Gasoline Powered Vehicles

A-6-461A-6-462

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

454

nventional 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

ISSUED: 05-23-88

REV. NO.:

72W/

1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation

Executive Order No. A-6- 460

Heavy Duty Gasoline Powered Vehicles

Engine Family
KGM05.7BLA4

Vehicle Models (Series)

Engine CID Values Appear Below

Forward Control - G Models

Hi-Cube Van/Magnavan	- G30	350
Cutaway Van/Vandura Spl	- G30	350
Van/Vandura	- G30	350
Sportvan/Rally Wagon	- G30	350

Forward Control - P Models

Forward Control Chassis	- P20	350
Step-Van/Value Van	- P20	350

Forward Control Chassis	- P30	350
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Motor Home Chassis	- P30	
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Step-Van/Value Van	- P30	350
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Suburban
RV20

350

Pickup
CKRV 20/30

350

ISSUED: 05-23-88

REV. NO.:

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