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:

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-6-457
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 7.0 7.4	(366) (427) (454)	1989	A-6-457

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

Engine Family	Hydrocarbons gm/bhp-hr	Carbon Monoxide gm/bhp-hr	Nitrogen Oxides gm/bhp-hr
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 Corporation

Executive Order No. A-6-460
A-6-461
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			
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

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1989 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation

Executive Order No. A-6-460

Heavy Duty Gasoline Powered Vehicles

Vehicle Models (Series)		Engine Family KGM05.7BLA4 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
Motor Home Chassis	- P30	
Step-Van/Value Van	- P30	350
Suburban		
RV20		350
Pickup		
CKRV 20/30		350

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