

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-484  
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 1990 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	LGM04.3BLA3	4.3	(262)	1990	A-6-481
General Motors	LGM04.8ABA7	4.8	(292)	1990	A-6-481
General Motors	LGM05.7BLA3	5.7	(350)	1990	A-6-481
General Motors	LGM06.0AGA8	6.0	(366)	1990	A-6-481
General Motors	LGM07.4BLA3	7.4	(454)	1990	A-6-481
		7.0	(427)		
		6.0	(366)		

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>
LGM04.3BLA3	0.5	8.5	4.1
LGM04.8ABA7	0.4	12.8	4.7
LGM05.7BLA3	0.4	6.3	3.0
LGM06.0AGA8	1.4	33.7	4.5
LGM07.4BLA3	0.8	12.9	4.4

BE IT FURTHER RESOLVED: That 1990 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 Code of Regulations, 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 Code of Regulations, Section 2036 and California Health and Safety Code Section 43205.5).

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 15<sup>th</sup> day of February, 1989.



K. D. Drachand, Chief  
Mobile Source Division

(FOR CARB USE ONLY)

(1990)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

(EVAPORATIVE)

Manufacturer: General Motors Corporation

Executive Order No.: A-6-484

Engine Families:

LGMO4.8ABA7

LGMO6.0AGA8

LGMO7.4BLA3

Vehicle Models (Series)

- Engine CID Values Appear Below -

Forward Control - G Models

Hi-Cube Van/Magnavan	- G30		454
Cutaway Van/Vandura Spl	- G30		454
Van/Vandura	- G30		454
Sportvan/Rally Wagon	- G30		454

Forward Control - P Models

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

Forward Control Chassis	- P30		454
Motor Home Chassis	- P30		454
Step-Van/Value Van	- P30		454

Conventional Cab & Chassis

C5D042			366
C6D042		366	366
C7D042, C7D064		366	366, 427

School Bus

B6P042		366	366
S7T042		366	366

Forward Control Chassis

P4T042	292		
P6T042		366	366

Pickup

CK20CC			454
R20			454
CKRV30			454

Suburban

R20			454
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ISSUED: 12-12-88

REV. NO.:

(FOR CARB USE ONLY)

(1990)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

(EVAPORATIVE)

Manufacturer: General Motors Corporation

Executive Order No.: A-6- 484

Engine Families:

LGM04.3BLA3

LGM05.7BLA3

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	
Step-Van/Value Van	- P20	

Forward Control Chassis	- P30	262	350
Motor Home Chassis	- P30		
Step-Van/Value Van	- P30	262	350

Suburban  
RV20

350

Pickup

CK20/30	262	350
RV20/30		-350

Forward Control Chassis  
P4T042

262

ISSUED: 12-12-88

REV. NO.: