

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-487
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	LGM04.3BLA3	4.3 (262)	1990	A-6-481
General Motors	LGM07.4BLA3	6.0 (366)	1990	A-6-481

Vehicle models are listed on attachments.

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
LGM07.4BLA3	0.8	12.9	4.4

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".

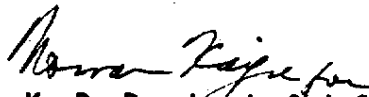
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model-year.

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 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 22nd day of March, 1989.


K. D. Drachand, Chief
Mobile Source Division

(FOR CARB USE ONLY)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

(EVAPORATIVE)

Manufacturer: General Motors Corporation

Executive Order No.: A-6- 487

Engine Families:

LGM04.3BLA3

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
C6D042366
C7D042, C7D064

School Bus

B6P042
S7T042

Forward Control Chassis

P4T042
P6T042

. 262

Pickup

CK20CC
R20
CKRV30

Suburban

R20

ISSUED: 002

REV. NO.:

(FOR CARB USE ONLY)

(1989)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

(EVAPORATIVE)

Manufacturer: General Motors Corporation

Executive Order No.: A-6-487

Engine Families:

LGMO7.4BLA3

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 366
C6D042366 366
C7D042, C7D064 366

School Bus

B6P042 366
S7T042 366

Forward Control Chassis

P4T042
P6T042 366

Pickup

CK20CC
R20
CKRV30

Suburban

R20

JED: 001

REV. NO.: