

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-608

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 and Executive Order G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1993 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 Otto-cycle engines listed below:

| <u>Engine Manufacturer</u> | <u>Engine Family</u> | <u>Engine Displacement Liters (Cubic Inches)</u> |       | <u>Engine Model Year and Certification Executive Order No</u> |         |
|----------------------------|----------------------|--|-------|---|---------|
| General Motors             | PGM04.3BLAX          | 4.3  | (262) | 1993  | A-6-607 |
|                            | PGM05.7BLAX          | 5.7  | (350) | 1993  | A-6-607 |
|                            | PGM07.0BLA5          | 6.0 & 7.0 (366 & 427)                            |       | 1993  | A-6-607 |
|                            | PGM07.4BNA3          | 7.4  | (454) | 1993  | A-6-607 |

The certification exhaust emission standards for these engine families in grams per brake horsepower-hour are:

| <u>Total Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> |
|---------------------------|------------------------|------------------------|
| 1.9                       | 37.1                   | 5.0                    |

The certification exhaust emission values for these engine families in grams per brake horsepower-hour are:

| <u>Engine Family</u> | <u>Total Hydrocarbons</u> | <u>Carbon Monoxide</u> | <u>Nitrogen Oxides</u> |
|----------------------|---------------------------|------------------------|------------------------|
| PGM04.3BLAX          | 0.5                       | 7.5                    | 3.7                    |
| PGM05.7BLAX          | 0.6                       | 9.0                    | 3.4                    |
| PGM07.0BLA5          | 0.9                       | 10.4                   | 4.6                    |
| PGM07.4BNA3          | 0.6                       | 14.0                   | 3.9                    |

BE IT FUTHER RESOLVED: That 1993 model-year vehicle models listed on the attached sheets also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicle".

BE IT FURTHER RESOLVED: That for 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 provisions (Title 13, California Code of Regulations, Section 2035 et seq.).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachments.

Executed at El Monte, California this 2nd day of June, 1992.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

(FOR CARB USE ONLY)

(1993)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

GREATER THAN 14,000 GVWR

Manufacturer: General Motors Corporation

Executive Order No.: A-6-608

Engine Families: <sup>0.025</sup> PGM04.3BLAX <sup>1.73</sup> PGM05.7BLAX <sup>1.49</sup> PGM07.4BNA3

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

350 454  
350 454

-Suburban  
CK20

-Pickup  
C30

350 454

Forward Control Chassis  
P4T042

262

ISSUED: 01-10-92

REV. NO.:

(FOR CARB USE ONLY)

(1993)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

GREATER THAN 14,000 GVWR

Manufacturer: General Motors Corporation

Executive Order No.: A-6-608

Engine Families:

4-383  
PGM07.OBLA5

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

C6D042 366  
C7D042, C7D064 366, 427

School Bus

S7T042 366  
B7P042 366, 427

Forward Control Chassis

P4T042  
P6T042 366, 427

Pickup

CK20CC  
C20  
CK30

Suburban

C20

ISSUED: 01-10-92

REV. NO.:

A-6-608

FUEL TANK SUMMARY  
CHEVROLET/GMC 20 & 30 SERIES VEHICLES

| VEHICLE  | TANK SHAPE  | BASE<br>CAPACITY<br>GALLONS | OPTIONAL<br>CAPACITY<br>GALLONS | TOTAL<br>CAPACITY<br>GALLONS |
|--|-------------|-----------------------------|---------------------------------|------------------------------|
| Forward Control<br>G Models  | Rectangular | 22.0                        | -                               | 22.0                         |
|  | Rectangular | -                           | 33.0                            | 33.0                         |
| Forward Control<br>P Models:<br>Motor Home Chassis                 | Rectangular | 40.0                        | -                               | 40.0                         |
|  | Rectangular |                             | 60.0                            | 60.0                         |
|  |             |                             | 75.0                            | 75.0                         |
|  |             |                             | 80.0                            | 80.0                         |
| Forward Control<br>P Models:<br>Step-Van/Value Van<br>& FC Chassis | Rectangular | 40.0                        | -                               | 40.0                         |
|  | Rectangular | 31.0(1)                     | -                               | 31.0(1)                      |
| Conventional<br>Pickup & Cab Chassis                               | Rectangular | 20.0                        |                                 | 20.0                         |
|  | Rectangular |                             | 20.0                            | 40.0                         |
| Conventional<br>Suburban   | Rectangular | 25.5                        |                                 | 25.5                         |
|  | Rectangular |                             | 31.5                            | 31.5                         |
|  | Rectangular |                             | 39.7                            | 39.7                         |

(1) Special equipment option (SEO) only.

ISSUED: 01-10-92

HDG-EVAP

A-6-608

FUEL TANK SUMMARY  
CHEVROLET/GMC 4, 6, 7 SERIES VEHICLES

| VEHICLE               | TANK SHAPE   | BASE<br>CAPACITY<br>GALLONS | OPTIONAL<br>CAPACITY<br>GALLONS | TOTAL<br>CAPACITY<br>GALLONS |
|-----------------------|--------------|-----------------------------|---------------------------------|------------------------------|
| Conventional<br>Truck | Rect. - Step | 50                          |                                 | 50                           |
|                       | Rect. - Step | 50                          | 50                              | 100                          |
| School Bus            | Rectangular  | 30                          |                                 | 30                           |
|                       | Rectangular  |                             | 60                              | 60                           |
| Forward Control       | Rectangular  | 30                          |                                 | 30                           |
|                       |              |                             | 60                              | 60                           |

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HDG-EVAP