

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-651

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 1994 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	RGM4.3C5GAAA	4.3	(262)	1994	A-6-649
	RGM5.7C5GAAA	5.7	(350)	1994	A-6-649
	RGM7.0C5GAAA	6.0 & 7.0 (366 & 427)		1994	A-6-649
	RGM7.4C5GAEA	7.4	(454)	1994	A-6-649

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>
RGM4.3C5GAAA	0.5	6.1	4.3
RGM5.7C5GAAA	0.9	10.7	3.9
RGM7.0C5GAAA	1.1	16.2	3.5
RGM7.4C5GAEA	0.5	11.5	3.5

BE IT FUTHER RESOLVED: That 1994 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".

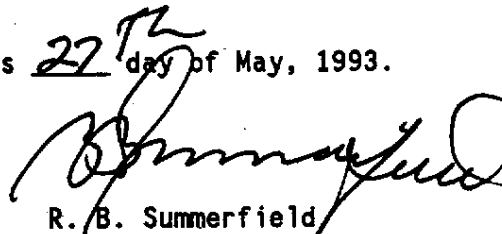
BE IT FURTHER RESOLVED: That for the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Code of Regulations, Section 2290) for the aforementioned model year.

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 22th day of May, 1993.



R. B. Summerfield
Assistant Division Chief
Mobile Source Division

(FOR CARB USE ONLY)

17.00.00.00-6
(1994)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

GREATER THAN 14,000 GVWR

Manufacturer: General Motors Corporation

Executive Order No.: A-6-651

Engine Families:

RGM4.3C5GAAA

RGM5.7C5GAAA

RGM7.4C5GAEA

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

350

454

Motor Home Chassis - P30

454

Step-Van/Value Van - P30

350

454

Suburban
CK20

Pickup
C30

350

454

Forward Control Chassis
P4T042

262

ISSUED: 02-09-93

REV. NO.:

HDG-SDS

(FOR CARB USE ONLY)

17.00.00.00-8
(1994)

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

HEAVY DUTY GASOLINE VEHICLES

GREATER THAN 14,000 GVWR

Manufacturer: General Motors Corporation

Executive Order No.: A-6-651

Engine Families:

RGM7.QC5GAAA

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

C6H042, C7 366, 427
C7H042, C7H064 366, 427

School Bus

D7P042 427
B7T042 366

Forward Control Chassis

P4T042
P6T042 366, 427

Pickup

CK20CC
C20
CK30

Suburban

C20

SUED: 02-09-93

REV. NO.:

GENERAL MOTORS
HEAVY DUTY ENGINE FAMILY BREAKDOWN

California

<u>Division</u>	<u>Family</u>	<u>Type</u>	<u>Engine Displacement</u>
Truck & Bus	RGM4.3C5GAAA	V6	4.3L (262 CID)
	RGM5.7C5GAAA	V8	5.7L (350 CID)
	RGM7.0C5GAAA	V8	6.0L (366 CID), 7.0L (427 CID)
			7.0L (427 CID)
	RGM7.4C5GAEA	V8	7.4L (454 CID)

For Engine Family Descriptions refer to the 1994 Heavy Duty Gasoline Application.








Equivalent Vehicle Series Designations

<u>Chevrolet</u>	<u>GMC</u>
20	2500
30	3500
40	4
60	6
65	7







ISSUED: 02-10-93

HDG-EVAP





VEHICLE DESCRIPTION
CHEVROLET/GMC 30 SERIES VEHICLES

Category	Description	Series	Wheel Base	Engine		Usage	
				4.3L	5.7L	7.4L	
Forward Control G Models	Hi-Cube Van/ Magnavan 	630	125 146	X	X	X	
	Cutaway Van/ Vandura Spl. 	630	125 146		X	X	
	Van/Vandura 	630	125		X		
	Sportvan/ Rally Wagon 	630	125		X	X	
Forward Control P Models	Forward Con- trol Chassis 	P30	125 133 157 178	X	X	X	
		P20	133		X(1)		
	Motor Home Chassis 	P30	137 158.5 178 208			X	
	Step-Van/ Value Van 	P30	133 157 178		X	X	
P20		133		X(1)			

VEHICLE DESCRIPTION
GMC (& Chevrolet) 4, 6 & 7 Series Vehicles

Category	Description	Series	Wheelbase Range		Engine Usage			
			Single Axle	Tandem Axle		6.0L	7.0L	4.3L
Conventional Cab and Chassis								
		C6H042	132 thru 192			X		
		C7H042 C7H064	144 thru 261	174 thru 240		X	X	
Forward Control Chassis		P4T042	137 thru 175					X
Forward Control Chassis		P6T042	137 thru 209			X	X	
School Bus		B7T042	125 thru 274			X		
						X	X	
School Bus		D7P042	170 thru 206			X		
Engine - Axle Code	<u>Single Axle</u> 042 Models		<u>Tandem Axle</u> 064 Models		<u>Engine</u> V8 - 6.0L, 7.0L V6 - 4.3L			

VEHICLE DESCRIPTION
CHEVROLET/GMC CK VEHICLES

CATEGORY	DESCRIPTION	SERIES	WHEEL BASE	ENGINE USAGE		
				4.3L	5.7L	7.4L
SUBURBAN		C 20906 K 20906	129.5		X	X
PICKUP	WIDE SIDE 	CK 20903 30903	131.5	X	X	X
PICKUP	FENDER SIDE 	CK 20903 30903	131.5	X	X	X
PICKUP	CREW CAB/BONUS CAB 	CK 20953 30995	164.5	X	X	X