

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-454
Relating to Certification of New Heavy-Duty Motor Vehicles
Using New Noncomplying Heavy-Duty Motor Vehicle Engines

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 Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That 1988 model-year General Motors Corporation motor vehicles which have a manufacturer's gross vehicle weight rating (GVWR) of 8501 to 14,000 pounds are certified using the noncomplying 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>	
GM	JGM05.7AGN3	5.7	(350)	1988	R-6-1
GM	JGM07.4AGN3	7.4	(454)	1988	R-6-1

The following are the emission standards for hydrocarbons and nitrogen oxides and the upper limit for carbon monoxide emissions for these engine families:

<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Nitrogen Oxides gm/bhp-hr</u>
1.1	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>
JGM05.7AGN3	0.6	25.3	4.6
JGM07.4AGN3	0.9	24.9	5.3

BE IT FURTHER RESOLVED: That 1988 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 this Executive Order must conform to all applicable California emission regulations.

BE IT FURTHER RESOLVED: This Certification is conditioned upon the engine manufacturer's establishment of a carbon monoxide emissions compliance level at or below the applicable upper limit and paying resultant nonconformance penalties as prescribed in the California Exhaust Emission Standards and Test Procedures for 1987 and Subsequent Model Heavy-Duty Gasoline-Powered Engines and Vehicles and the Incorporated 40 CFR 86 Subpart L. If the carbon monoxide emissions compliance level exceeds the applicable upper limit, this Executive Order will be suspended pursuant to the California Exhaust Emission Standards and Test Procedures for 1987 and Subsequent Model Heavy-Duty Gasoline-Powered Engines and Vehicles and the Incorporated 40 CFR 86.1114-87(e).

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

Executed at El Monte, California this 14th day of June, 1988.


K. D. Drachand, Chief
Mobile Source Division

1988 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

(EVAPORATIVE)

Manufacturer General Motors Corporation

Executive Order No. A-6-454

Heavy Duty Gasoline Powered Vehicles

Engine Families

JGM05.7AGN3

JGM07.4AGN3

Engine CID Values Appear Below

Vehicle Models (Series)

Forward Control - G Models

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

350
 350
 350
 350

Forward Control - P Models

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

350
 350

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

350
 350
 350

454

R, V Models

Pickup/Cab Chassis - RV30

350

ISSUED: 11-09-87

REV. NO.:

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