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State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-351
Relating to Certification of New Motor Vehicle Heavy-Duty Engines

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 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;

IT IS ORDERED AND RESOLVED: That the following General Motors Corporation 1986 model-year heavy-duty gasoline engines have shown compliance with the ~~optional transient test~~ procedure and standards and are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

Steady
State
9xE

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
GGM05.7AGB5	350 (5.7)	Air Injection - Pump
GGM07.4AGB5	366, 454 (6.0, 7.4)	Exhaust Gas Recirculation

Engine models and codes are listed on attachments.

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>HC 9xE + Nitrogen Oxides gm/bhp-hr</u>
GGM05.7AGB5	0.4	21	3.5
GGM07.4AGB5	0.2	23	3.6

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.

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

Executed at El Monte, California this 16th day of July, 1985.


K. D. Drachand, Chief
Mobile Source Division

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation

Executive Order No. A-6-357
~~A-357~~

Heavy Duty Gasoline Powered Vehicles

Vehicle Models (Series)	Engine Families	
	<u>GGM05.7AGB5</u>	<u>GGM07.4AGB5</u>
	Engine CID Values	Appear Below
Conventional Trucks		
2-Dr. Cab Chassis - C20, C30, K30	350	454
2-Dr. Pickup - C20, C30, K30	350	454
K20	350	
4-Dr. Cab Chassis - C30, K30	350	454
4-Dr. Pickup - C20, C30, K30	350	454
Suburban - C20	350	454
K20	350	
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	350	
Step-Van/Value Van - P20	350	
Forward Control Chassis - P30	350	
Motor Home Chassis - P30		454
Step-Van/Value Van - P30	350	
Conventional Cab & Chassis		
C5D042	350	
C6D042	350	366
C7D042, C7D064		366
School Bus		
B6P042	350	366

ISSUED: 06-20-85

REVISED:

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

Manufacturer GENERAL MOTORS CORPORATION
Engine Family GGM05.7AGB5 CID-Type 350-V8 Eng. Code 1,2,3
ECS (Special Features) AIP/EGR

Engine Model (Engine Code)	Ignition System EI, CA, VA	Fuel System 1V	EGR Valve	Label Ident.	Part No. Code*	Page No.
LT9 (1) 350 CID	1103420 (CA/VA)	17085001 4V	17084724	ULC ULD ULF ULH ULJ		
LF5 (2) 350 CID	1103601 (CA)	17085464 2V	17084837	GBD		
LF5 (3) 350 CID	1103601 (CA)	17085465 2V	17084837	GBD		

* ULC - 3-speed automatic transmission without torque converter clutch and all manual transmissions; C/K 200/300; P300 models.
 ULD - All manual transmissions; P300 models
 ULF - 4-speed automatic transmission with torque converter clutch; C/K200 models.
 ULH - 3-speed automatic transmission without torque converter clutch; G300 models.
 ULU - 4-speed automatic transmission with torque converter clutch; G300 models.
 GBD - All automatic and manual transmissions.
 Engine Code 2 - PBC6 Models - Standard Governor
 Engine Code 3 - C5 Models - No Governor

1986 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

Manufacturer GENERAL MOTORS CORPORATION
Engine Family GGM07.4AGB5 CID-Type 454-V8 Eng. Code 1 & 2
ECS (Special Features) AIP/EGR

Engine Model (Engine Code)	Ignition System EI, CA	Fuel System	EGR Valve	Label Ident.	Part No. Code*	Page No.
L86 (1) 366 CID	Delco Remy Distrib. Part Number 1103377 (CA)	Rochester Carb. Part Number 2078345 2078344 (Holley)	Part Number 17085936	GBJ		
LE8 (2) 454 CID	1103376 (CA/VA)	17085000	17084725	ULK ULL		

* ULK - All manual and automatic transmissions; C200/300, K300 models.
ULL - All manual and automatic transmissions; P300.
GBJ - All manual and automatic transmissions; B6, C6, C7 models.