

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-309
Relating to Certification of New Motor Vehicle 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 1985 model-year gasoline engines are certified for use in motor vehicles with a manufacturer's gross vehicle weight rating greater than 8500 pounds:

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
FGM07.4AGB6	366,454 (6.0,7.4)	Air Injection-Pump Exhaust Gas Recirculation

Engine models and codes are listed on attachments.

<u>Engine Family</u>	<u>Hydrocarbons gm/bhp-hr</u>	<u>Carbon Monoxide gm/bhp-hr</u>	<u>Hydrocarbons + Nitrogen Oxides gm/bhp-hr</u>
FGM07.4AGB6	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 30th day of November, 1984.

Bob Cross for

K. D. Drachand, Chief
Mobile Source Division

Manufacturer General Motors Executive Order No. A-6-309
 Engine Family FGM07.4AGB6 Evaporative Family HD
 Engine CID (Liters) 366 (6.0)
454 (7.4)

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance
 EEC-Electronic Engine Control
 EI-Electronic Ignition
 ESAC-Electronic Spark Advance
 Control
 VA-Vacuum Advance
 VR-Vacuum Retard

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

Exhaust Emissions Control System

AIP-Air Injection-Pump
 AIV-Air Injection-Valve
 CL-Closed Loop
 EGR-Exhaust Gas Recirculation
 EM-Engine Modification
 OC-Oxidation Catalyst System
 TR-Thermal Reactor
 TWC-Three-Way Catalyst System

Special Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

VEHICLE MODELS:

L86 - 366
 LE8 - 454

DRIVE SYSTEM: NA Engine/ NA -Wheel Drive

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINES

Manufacturer GENERAL MOTORS CORPORATION
 Engine Family FGM07.4AGB6 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.
	Delco Remy Distrib. Part Number	Rochester Carb. Part Number	Part Number	Part No. Code* Page No.
L86 (1) 366 CID	1103377 (CA)	2078345 2078344 (Holley)	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.