

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-232
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 1982 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>
CGM04.8ABA7	292 (4.8)	Air Injection
CGM05.7ABBX	350 (5.7)	Air Injection
CGM07.0ABB5	366 (6.0)	Air Injection
	427 (7.0)	Air Injection
CGM07.4ABBX	454 (7.4)	Air Injection

Engine Models and Codes as listed on attachments.

Section 43200, Part 5, Division 26 of the California Health and Safety Code requires that the engine manufacturer furnish a decal with each engine sold or delivered to a vehicle manufacturer. The decal shall display the applicable model year heavy-duty engine exhaust emission standards and the following certification emission values:

<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>
CGM04.8ABA7	0.1	16	5.6
CGM05.7ABBX	0.4	17	5.3
CGM07.0ABB5	0.3	18	5.6
CGM07.4ABBX	0.5	21	5.4

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).

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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 and attachment.

Executed at El Monte, California this 6th day of August, 1981.



K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer GENERAL MOTORS CORP. Executive Order No. A-6-232 Page 1
 Engine Family See below Evaporative Family NA
 Engine CID (Liters) See below

ABBREVIATIONS

Ignition System

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

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
 MFI-Mechanical Fuel Injection
 TC-Turbocharged

Fuel System

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

<u>Engine Family</u>	<u>CID</u>	<u>Liters</u>	<u>Page</u>
CGM04.8ABA7	292	4.8	2
CGM05.7ABBX	350	5.7	3
CGM07.0ABB5	366 427	6.0 7.0	4 4
CGM07.4ABBX	454	7.4	5

Issued: 080681.

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HEAVY-DUTY GASOLINE ENGINES

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Engine Family CGM04.8ABA7 CID-Type 292-L6 Eng. Code

ECS (Special Features) AIP

Engine Model (Engine Code)	Ignition System EI, CA, VA Delco Remy Distrib. Part Number	Fuel System 1V Rochester Carb. Part Number	EGR Valve Part Number	Label Ident. Part No. Code
L25 (1)	1110753	17081309 17081329	None	14045111 CAB

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HEAVY-DUTY GASOLINE ENGINES

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Engine Family CGM05.7ABBX CID-Type 350-V8 Eng. Code

ECS (Special Features) AIP

Engine Model (Engine Code)	Ignition System EI, CA, VA Delco Remy Distrib. Part Number	Fuel System Rochester Carb. Part Number	EGR Valve Part Number	Label Ident.	
				Part No. Code	Foot- note
LT9 (2) 350	1103420 (CA/VA)	17080507 17080513 4V	None	14045802 CDB 14050295 CNU	(1) (2)
LF5 (3) 350	1103378 (CA)	17082420 17080120 2V		2087368 LF5/NB4 14050295 CNU	(1) (2)
LF5 (5) 350		17082423 2V			
(1) Except A-4 trans. with TCC. (2) With A-4 trans. with TCC.					

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HEAVY-DUTY GASOLINE ENGINES

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Engine Family CGM07.0ABB5 CID-Type 366/427-V8 Eng. Code

ECS (Special Features) AIP

Engine Model (Engine Code) CID	Ignition System EI, CA Delco Remy Distrib. Part Number	Fuel System 4V Rochester Carb. Part Number	EGR Valve Part Number	Label Ident. Part No. Code
L86 (1) 366	1103377	2078344 2078345	None	2087375 L86/NB4
L43 (2) 427		2078346 2078347		2087378 L43/NB4

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
HEAVY-DUTY GASOLINE ENGINESManufacturer GENERAL MOTORS CORPORATION Page 5Engine Family CGM07.4ABBX CID-Type 454 V8 Eng. Code ECS (Special Features) AIP

Engine Model (Engine Code)	Ignition System EI, CA, VA Delco Remy Distrib. Part Number	Fuel System 4V Rochester Carb. Part Number	EGR Valve Part Number	Label Ident. Part No. Code
LE8 (1)	1103376	17080512	None ?	14045113 CAD 14061610 CWR* -

Added for P300 (32) motor home chassis models with optional canister location.

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