

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-9
Relating to Approval of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 39150 and 39151 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Section 39023 of the Health and Safety Code;

IT IS ORDERED AND RESOLVED: That General Motors Corporation gasoline powered engines in its 1974-model heavy-duty motor vehicles are approved for the engine families described below:

<u>Family</u>	<u>Engine Size - CID</u>	<u>Engine Model</u>	<u>Exhaust Emission Control System</u>
GM111	250	LD 4	Engine Modification
GM112	292	L 25	Engine Modification
GM113	350	LS 9	Engine Modification
GM113	350	LF 9	Engine Modification
GM114	366	L86	Engine Modification
GM114	427	L 43	Engine Modification
GM115	454	LF 8	Engine Modification
GM312	455	455	Engine Modification

Section 39152, Part I, Division 26 of the California Health and Safety Code requires that the manufacturer affix a decal to the side window to the rear of the driver or, if there is no such window on the driver's side, to the windshield of the motor vehicle.

The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>Hydrocarbons plus Nitrogen Dioxide grams/BHP-hr.</u>	<u>Carbon Monoxide grams/BHP-hr.</u>
GM111	13	27
GM112	12	26
GM113	15	27
GM114	14	35
GM115	14	24
GM312	12	14

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Supplemental information sheets are attached to this order which include tune-up specifications and emission control system data.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair of the Department of Consumer Affairs will be notified of this approval by copy of this order and attachment.

Executed at Sacramento, California, this _____ day of August, 1973.

JOHN A. MAGA
Executive Officer

AIR RESOURCES BOARD
SUPPLEMENTAL INFORMATION
1974 -Model Year

Engines for Heavy-Duty Vehicles

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Manufacturer: GENERAL MOTORS CORPORATION

Engine Model	Engine C.I.D.	Carburetor No. of Venturi	Distributor Make & No.	Type Adv.*	Carburetor Make No.	Emission Control System **	
						NOx	Evap. Other
LD 4	250	1	Delco-Remy →	C-V	Rochester 7044025 (Automatic choke)	EM (CCS) →	CAN. →
L25	292	1			Rochester 7044011 (Manual Choke)		
LS 9	350	4			Rochester 7044026 (Automatic Choke)		
LF 9	350	2			Rochester 7044012 (Manual Choke)		
LF 8	454	4			Rochester 7044513, 7044516, 7044514, 7044515		
L 86	366	4			Rochester 7044434		
L43	427	4			Rochester 7044133		
455	455	4			Rochester 7044512, 7044517		
					Holley 705746		
					Holley 705747		
				Holley 7043259			
							Heated Air
							Heated Air

** EM - Engine Modification (CCS)
CAN - GM Evap. Emission Control System with Canister.

* C-Centrifugal
V-Vacuum
VR-Vacuum Retard

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 SUPPLEMENTAL INFORMATION
 1974-Model Year

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Engines for Heavy-Duty Vehicles

Manufacturer:
 GENERAL MOTORS CORPORATION

Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Tune-Up Specifications	
				Idle RPM	Basic Timing Idle CO or AFR
LD 4	250	1	GM 111	600 neutral	6° BTDC @ 600 Set by lean drop Method Max. CO-2%
L 25	292	1	GM 112	600 Neutral	8° BTDC @ 600 Set by lean drop Method Max. CO-0.3%
LS 9	350	4	GM 113	600 Neutral	4° BTDC @ 600 Set by lean drop Method Max. CO - 0.5%
LF 9	350	2	GM 113	600 Neutral	4° BTDC @ 600
LF 8	454	4	GM 115	700 Neutral	8° BTDC @ 700
L 66	366	4	GM 114	700 Neutral	8° BTDC @ 700
L 43	427	4	GM 114	700 Neutral	8° BTDC @ 700
455	455	4	GM 312	600 (Drive)	8° BTDC @ 1100 in neutral If over 0.5% reset to 0.2%

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Engine Model	Engine C.I.D..	Carburetor No. of Venturi	Engine Family	Idle RPM	Tune-Up Specifications	
					Basic Timing	Idle CO or AFR
LD 4	250	1	GM 111	600 neutral	6° BTDC @ 600	Set by lean drop Method Max. CO-2%
L 25	292	1	GM 112	600 Neutral	8° BTDC @ 600	Set by lean drop Method Max. CO-0.3%
LS 9	350	4	GM 113	600	4° BTDC @ 600	Set by lean drop Method Max. CO - 0.5%
LF 9	350	2	GM 113	600	4° BTDC @ 600	
LF 8	454	4	GM 115	700 Neutral	8° BTDC @ 700	If over 0.5% reset to 0.2%
L 86	366	4	GM 114	700 Neutral	8° BTDC @ 700	
L 43	427	4	GM 114	700 Neutral	8° BTDC @ 700	
455	455	4	GM 312	600 (Drive)	8° BTDC @ 1100 in neutral	

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Manufacturer: GENERAL MOTORS CORPORATION

Engine Model	Engine C.I.D.	Engine No. of Venturi	Carburetor No.	Distributor Make & No.	Type Adv.*	Carburetor Make No.	Emission Control System **		
							NOx	Evap.	Other
LD 4	250	1	1	Delco-Remy 1110520	C-V	Rochester 7044025 (Automatic choke)	EM (CCS)	CAN.	Heated Air
L25	292	1	1	1110518		Rochester 7044011 (Manual Choke)			
LS 9	350	4	4	1112097		Rochester 7044026 (Automatic Choke)			
LF 9	350	2	2	11113647	C	Rochester 7044513, 7044516, 7044514, 7044515			Heated Air
LF 8	454	4	4	1112149	C	Rochester 7044434			
L 86	366	4	4	1112105	C-V	Rochester 7044133			
L43	427	4	4	1111365	C	Rochester 7044512, 7044517			
455	455	4	4	1112082	C-V	Holley 705746			Heated Air

** EM - Engine Modification (CCS)
 CAN - GM Evap. Emission Control System with Canister.

* C-Centrifugal
 V-Vacuum
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