

A.C.P.

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-97  
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 General Motors Corporation 1977 model-year gasoline-powered engines in heavy-duty motor vehicles are certified for the engine family described below:

<u>Family</u>	<u>Engine Size CID</u>	<u>Engine Model</u>	<u>Exhaust Emission Control System</u>
GM 114	366	L86	Air Injection and Engine Modification
	427	L43	

Section 43200, 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.

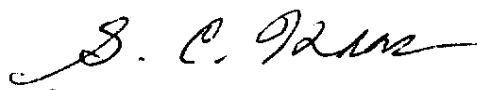
The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>HC + NO<sub>2</sub> gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NO<sub>2</sub> gm/bhp-hr</u>
GM 114		24	0.8	5.4

Engines certified under this Executive Order must conform to all applicable California emission regulations.

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

Executed at El Monte, California, this 13 day of August, 1976.



G. C. Hass, Chief  
Division of Vehicle Emissions Control

## 1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer General Motors Corporation Executive Order No. A-6-97 Page 1Engine Family GM 114 Engine (CID) 366 & 427 Calibration \_\_\_\_\_Emission Control System AI

Engine Models	Distributor Type EI C,V Mfgr. Part No.	Fuel System Type 1-4V Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Idle Speed (2) Basic Timing (3) Idle Mixture
L86	Delco 1103241	Holley  2006710	None	See Tune up Label No. 2002490
L43	Delco 1103241	Holley  2006713		
Comments				
Date of Issue 08/17/76 Deleted Carbs. 2006709,711 & 712. 090376.				

## Abbreviation

## Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

EI-Electronic Ignition

## Exhaust Emission Control System

AI-Air Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

OC-Oxidation Catalyst


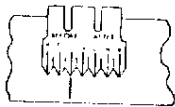
## \*Service

I-Inspect, repair, replace  
as needed

R-Replace

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET HEAVY-DUTY GASOLINE ENGINES

Manufacturer General Motors Corp. Executive Order No. A-6-97 Page 2  
 Engine Family GM 114

2002490 CAL	ENGINE EXHAUST EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION		ENGINE	GM 114 366/427 CID
			IDLE SPEED	700 RPM
MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, AIR CLEANER ON, AIR CONDITIONING OFF, AND TRANSMISSION IN NEUTRAL. PLUG DISCONNECTED VACUUM FITTINGS.  <b>SET PARKING BRAKE AND BLOCK DRIVE WHEELS</b>  1. DISCONNECT FUEL TANK HOSE ON VAPOR CANISTER, WHEN EQUIPPED. 2. SET TIMING AT SPECIFIED IDLE SPEED. 3. ADJUST IDLE STOP (ENERGIZED SOLENOID) TO SPECIFIED IDLE SPEED. 4. RECONNECT CANISTER HOSE.  NOTE: Idle mixture screws are preset and capped at factory. Either removing mixture screw caps or breaking the tabs thereon and altering the mixture setting by other than approved procedures may violate Federal and/or California or other state laws.  FUEL REQUIREMENTS-USE 91 OCTANE OR HIGHER			IGN. TIMING	8° BTDC
			SPARK PLUG GAP	0.060 IN.
			VALVE LASH	HYDRAULIC
			IF IDLE MIXTURE ADJUSTMENT IS REQUIRED, ADJUST MIXTURE SCREWS TO HIGHEST IDLE SPEED AND SET IDLE STOP TO 750 RPM FOR 366, OR 775 RPM FOR 427. THEN, TURN IN MIXTURE SCREWS EQUALLY TO REDUCE IDLE SPEED TO 700 RPM. SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.	
			 366/427	
			PRINTED IN U.S.A.  THIS ENGINE CONFORMS TO U.S. ENVIRONMENTAL PROTECTION AGENCY, AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR GASOLINE-FUELED HEAVY DUTY ENGINES.	

LOCATION: LABELS TO BE AFFIXED  
TO THE AIR CLEANER