

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-95
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 112A	292	L25	Engine Modifications

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.

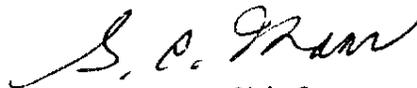
The following are the recommended values to be listed on the decal:

<u>Engine Family</u>	<u>HC + NO₂ gm/bhp-hr</u>	<u>CO gm/bhp-hr</u>	<u>HC gm/bhp-hr</u>	<u>NO₂ gm/bhp-hr</u>
GM 112A		16	0.6	5.2

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-6-95 Page 1
 Engine Family GM 112A Engine (CID) 292 Calibration _____
 Emission Control System EM

Engine Models	Distributor Type EI C,V Mfgr. Part No.	Fuel System Type I-IV Mfgr. Part No.	EGR System Part No. Service*	Tune-Up Specifications (1) Idle Speed (2) Basic Timing (3) Idle Mixture
L25	Delco Remy 1110680	RPD 17057308 17057309		See Tune-Up label No. CU.
Comments				
Date of Issue 08/17/76				

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

Engine Family GM112APage 2

ENGINE EXHAUST EMISSION CONTROL INFORMATION



CU

GENERAL MOTORS CORPORATION

MAKE ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED AND AIR CONDITIONING OFF UNLESS OTHERWISE INDICATED. SET PARKING BRAKE AND BLOCK DRIVE WHEELS. PUT TRANSMISSION IN PARK OR NEUTRAL FOR ALL SETTINGS. (1) DISCONNECT FUEL TANK HOSE TO VAPOR CANISTER. (2) DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED RPM. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR. (3) ADJUST IDLE MIXTURE BY THE LEAN DROP PROCEDURE AS REQUIRED. (4) ADJUST IDLE SPEED ONLY WITH AIR COND. ON, IF SO EQUIPPED, EXCEPT FOR 454 CU. IN. (5) DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE (454 CU. IN. ONLY). ADJUST FAST IDLE SPEED WITH LEVER ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE WHEN SETTING IS COMPLETED. (6) RECONNECT FUEL TANK HOSE TO VAPOR CANISTER.

FAMILY	ENG. DISP.	EMISSION CONTROL	IDLE RPM	TIMING	FAST IDLE RPM	SPARK PLUG GAP (IN.)	LEAN DROP IDLE MIXTURE	VALVE LASH
112A	292	CCS	600	8° BTC	2400	0.035	700-600 RPM	HYD.
113T	350	AIR	700	7° BTC	1600	0.060	800-700 RPM	HYD.
113T	400	AIR	700	7° BTC	1600	0.045	770-700 RPM	HYD.
115	454	AIR-EGR	700	8° BTC	1700	0.045	750-700 RPM	HYD.

ENGINE DISPLACEMENT AND EMISSION FAMILY FOR THIS VEHICLE ARE NOTED ON OTHER ENGINE EXHAUST EMISSION CONTROL INFORMATION LABEL.
 (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 IF ADJUSTMENT IS REQUIRED. MIXTURE MAY BE RESET USING LEAN DROP METHOD PER SERVICE MANUAL.
 SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.

FUEL REQUIREMENTS — USE 91 OCTANE OR HIGHER

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.

PT. NO. 460481

LOCATION: LABELS TO BE AFFIXED TO THE
AIR CLEANER.