

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-139
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Orders G-45-3 and G-45-4;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems are certified as described below for 1979 model-year gasoline-powered passenger cars:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
910F1SMU	250	Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst Warm-up Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
910F1SMU	0.36	5.0	1.1

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-Powered Motor Vehicles except Motorcycles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-6 series.

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Vehicles 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 18 day of August, 1978.



G. C. Hass, Chief
Vehicle Emissions Control Division

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Engine Family 910F1SMU Engine (CID) 250

Evaporative Family 9B1-1

ABBREVIATIONS

Distributor

C-Centrifugal Advance

V-Vacuum Advance

VR-Vacuum Retard

HEI-High Energy Ignition

Fuel System

EFI

nV-nVenturi Carburetor

Exhaust Emission Control

AI-Air Injection

CAI-Catalyst Air Injection

EFI-Electronic Fuel Injection

EGR-Exhaust Gas Recirculation

EM-Engine Modification

EFE-Early Fuel Evaporation

ESAC-Electronic Spark Advance Control

OC-Oxidation Catalyst

PAI-Pulse Air Injection

TC-Turbo Charged

TWC-Three Way Catalyst
(Feedback Control)

Division	Basic Body	Trim	Body Type	
				<u>Chevrolet</u>
1	X	X	27	Nova Coupe
1	X	Y	27	Nova Custom Coupe
1	X	X	69	Nova Sedan
1	X	Y	69	Nova Custom Sedan
1	X	X	17	Nova Hatchback
1	B	L	47	Impala Coupe
1	B	N	47	Caprice Classic Coupe
1	B	L	69	Impala Sedan
1	B	N	69	Caprice Classic Sedan
1	F	Q	87	Camaro Sport Coupe
1	F	S	87	Camaro Berlinetta Sport Coupe

AIR RESOURCES BOARD 1979 SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-139

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Engine Family 910F1SMU Engine CID 250 Transm. Auto-3

Exhaust Emission Control System AI/EGR/OC/WOC +10% (A/C) Yes No

Eng. Code	Air Cond.	Ign. Syst. EI, CA, VA Distrib. Part No.	Fuel System TV Carb. Part No	EGR Valve Part No.	Inertia Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label & Page No.	Rev. Notes
1	W & W/O	DelcoRemy 1110716	Rochester 17059314	17056075	3500	1	X	X	27	A-3	AW 3	
					4000	1	X	Y	27			
						1	X	X	17			
						1	B		47 69			
2				17056554		1	F	87				

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model, equipment and inertia weight class.

Date of Issue: 082178. Revisions:

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Manufacturer: General Motors Corporation

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VEHICLE EMISSION CONTROL INFORMATION

AW
4.1 liter
(250 CU IN.)
* V10R15MU

GENERAL MOTORS CORPORATION



CATALYST

ANALYTICAL INFORMATION	TRANSMISSION
LOW ALTITUDE (ELEVATION)	AUTOMATIC
IGNITION (° BTDC @ RPM)	6° @ 600
SPARK PLUG GAP (IN.)	0.035
CURD ROT SPEED (RPM)	600 (DR)
BASE ROT SPEED (RPM)	400 (DR)
FAST ROT SPEED (RPM)	2000 (PI OR IN)

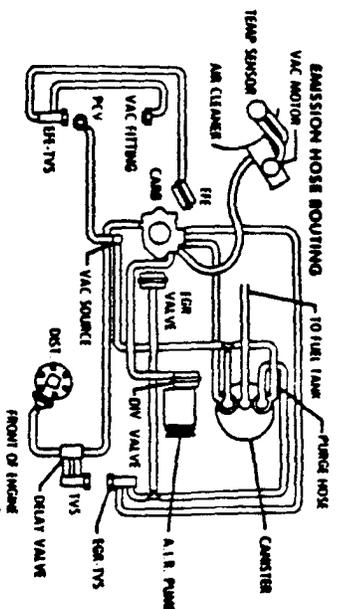
- SET PARKING BRAKE AND BLOCK DRIVE WHEELS.
- MADE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHECK FUEL OFF, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF.
1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTION SET. IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTION.
 2. DISCONNECT AND PLUG VACUUM HOSE AT IGR VALVE AND CANISTER PUMP HOSE AT CANIS.
 3. DISCONNECT AND PLUG VACUUM HOSE AT IGR VALVE AND CANISTER PUMP HOSE AT CANIS.
 4. DISCONNECT ELECTRICAL LEAD AT SENSING ADJUST BASE ROT SPEED TO SPECIFICATION BY TURNING 1/4 TURN. SENSING ADJUSTMENT BODY RECONNECT ELECTRICAL LEAD WITH TRANSMISSION IN PARK OR NEUTRAL. (AND FAST) DR1 CAN FOLLOWER TO OBTAIN SPECIFIED FAST ROT SPEED ON HIGH STEP OF CAN UNPLUG AND RECONNECT VACUUM HOSE TO IGR VALVE AND CANISTER PUMP HOSE TO CANISTER.

NOTE: OIL METERING SYSTEM IS PRESET AND CAPPED AT FACTORY. DO NOT REMOVE CAP. ADJUSTING METERING SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS. SET SERVICE MANUAL AND MAINTENANCE SCHEDULES FOR ADDITIONAL INFORMATION.

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THIS VEHICLE COMPLIES TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW PASSENGER CARS.

PT. NO. 100077A3



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E.O.A-6-139
S.D. Sheet 3
Eng. Fam. 910F1SMU