 E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-129
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 for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: 820X2E
Engine: 151 CID
Transmission: 3-speed automatic
Exhaust Emission Control System: Early Fuel Evaporation, Exhaust Gas Recirculation, Oxidation Catalyst, Pulse Air Injection

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
820X2E	.34	7.4	1.5

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (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.

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

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 21 day of October, 1977.

for R. C. Man
G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET-GM FORMAT

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-129 Page 1

Engine Family 820X2E Engine (CID) 151

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	
1				CHEVROLET
	H	M	07	Monza 2 + 2 Hatchback Coupe
	H	R	07	Monza 2 + 2 Sport Hatchback Coupe
	H	M	15	Monza Station Wagon
	H	M	27	Monza Coupe
	H	R	27	Monza Sport Coupe
	H	M	77	Monza "S" Hatchback Coupe
2				PONTIAC
	H	M	07	Sunbird Sport Hatchback Coupe
	H	M	15	Sunbird Sport Safari Station Wagon
	H	E	27	Sunbird Coupe
	H	M	27	Sunbird Sport Coupe
3				OLDSMOBILE
	H	D	07	Starfire SX
	H	T	07	Starfire

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1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: General Motors Corporation Executive Order No. A-6-129 Pg. 2

Engine Family 820X2E Engine (CID) 151 Transm. _____

Exhaust Emission Control System EFE, EGR, OC, PAI +10% (A/C) Yes ☐ No ☒

Eng. Code	Air Cond.	Distrib. Type HEI Mfgr. C,V Part No.	Fuel System 2V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label & Page No.	Rev. Notes
1	W	Delco 1103312	Holley 10001052	7045165 No Service	3000	123 12 12 1	H H H H		07 15 27 77	A-3	RB 3	
1a		1103360		17057060		123 12 12 1	H H H H		07 15 27 77			
2	WO	1103312	10001054	7045165		123 12 12 1	H H H H		07 15 27 77		RA 3	
2a		1103360		17057060		123 12 12 1	H H H H		07 15 27 77			

Comments Some models have special road load HP settings. See page one for abbreviations.

Date of Issue 102477 Revisions:

RB 151 CU. IN. 820X2E 8BEV

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

LOW ALTITUDE CERTIFICATION

SET PARKING BRAKE AND BLOCK DRIVE WHEELS. DISCONNECT A C COMP. CLUTCH CONNECTOR, REMOVE AIR CLEANER, PLUG THERMAC VACUUM SOURCE, AND START ENGINE. MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE OPEN, A-C OFF, MANUAL TRANSMISSION IN NEUTRAL, AUTOMATIC TRANSMISSION IN DRIVE - UNLESS OTHERWISE NOTED.

1. DISCONNECT AND PLUG THE VACUUM ADVANCE HOSE AT DISTRIBUTOR.
2. SET TO SPECIFIED TIMING AT OR BELOW RECOMMENDED IDLE SPEED.
3. RECONNECT VACUUM ADVANCE HOSE EXCEPT 400 CU.IN. MANUAL TRANS. VEHICLES.
4. DISCONNECT PURGE HOSE AT CANISTER (PLUG HOSE ON 151 CU.IN. ENGINE).
5. SET CARB SCREW TO OBTAIN SPECIFIED RPM - SOLENOID INACTIVE, A C CONTROL OFF.
6. TURN A C CONTROL ON AND OPEN THROTTLE MOMENTARILY TO ASSURE SOLENOID IS FULLY EXTENDED. SET SOLENOID SCREW TO OBTAIN SPECIFIED RPM - SOLENOID ACTIVE.
7. RECONNECT DISTRIBUTOR VACUUM HOSE ON 400 CU.IN. ENGINE MANUAL TRANS. VEHICLE.
8. PLACE AUTOMATIC TRANSMISSION IN PARK.
9. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE.
10. ADJUST FAST IDLE SCREW ON TOP CAM STEP TO OBTAIN SPECIFIED RPM.
11. STOP ENGINE, REMOVE HOSE PLUGS, REPLACE AIR CLEANER, RECONNECT A/C COMPRESSOR CLUTCH CONNECTOR AND ALL HOSES.

CATALYST

EGR EFE PAIR	AUTO. TRANSMISSION
TIMING (°B.T.D.C. @ RPM)	12° @ 1000 MAX.
SPARK PLUG GAP	.060 INCH
CARB SCREW (RPM) SOLENOID ACTIVE	850 IN DRIVE
SOL'D. SCREW (RPM) SOLENOID INACTIVE	650 IN DRIVE
CHOKE SETTING	INDEX
FAST IDLE SCREW (RPM)	2400 IN PARK
VACUUM BREAK SETTING REAR	—

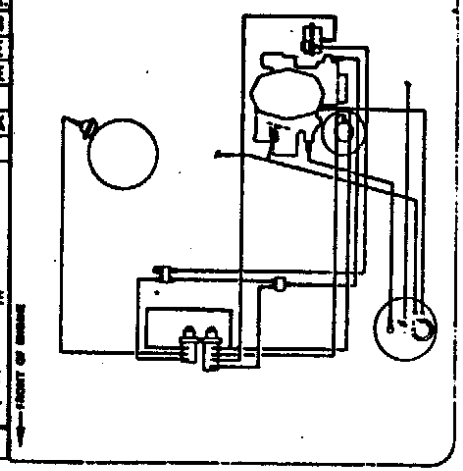
IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY. DO NOT BREAK CAPS. ADJUSTMENT DURING TUNE-UP NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION.

Part No. 10002720

VACUUM HOSE ROUTING



THIS VEHICLE CONFORMS TO U.S. EPA & CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES.

RA 151 CU. IN. 820X2E 8BEV

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

LOW ALTITUDE CERTIFICATION

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1. DISCONNECT AND PLUG THE VACUUM ADVANCE HOSE AT DISTRIBUTOR.
2. SET TO SPECIFIED TIMING AT OR BELOW RECOMMENDED IDLE SPEED.
3. RECONNECT VACUUM ADVANCE HOSE EXCEPT 400 CU.IN. MANUAL TRANS. VEHICLES.
4. DISCONNECT PURGE HOSE AT CANISTER (PLUG HOSE ON 151 CU.IN. ENGINE).
5. DISCONNECT IDLE SOLENOID, IF SO EQUIPPED. SET CARB SCREW TO OBTAIN SPECIFIED RPM-SOLENOID INACTIVE.
6. IF SOLENOID EQUIPPED: CONNECT SOLENOID AND OPEN THROTTLE MOMENTARILY TO ASSURE SOLENOID IS FULLY EXTENDED. SET SOLENOID SCREW TO OBTAIN SPECIFIED RPM - SOLENOID ACTIVE.
7. RECONNECT DISTRIBUTOR VACUUM HOSE ON 400 CU.IN. ENGINE MANUAL TRANS. VEHICLES.
8. PLACE AUTOMATIC TRANSMISSION IN PARK.
9. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE.
10. ADJUST FAST IDLE SCREW ON TOP CAM STEP TO OBTAIN SPECIFIED RPM.
11. STOP ENGINE, REMOVE HOSE PLUGS, REPLACE AIR CLEANER, RECONNECT ALL HOSES.

CATALYST

EGR EFE PAIR	AUTO. TRANSMISSION
TIMING (°B.T.D.C. @ RPM)	12° @ 1000 MAX.
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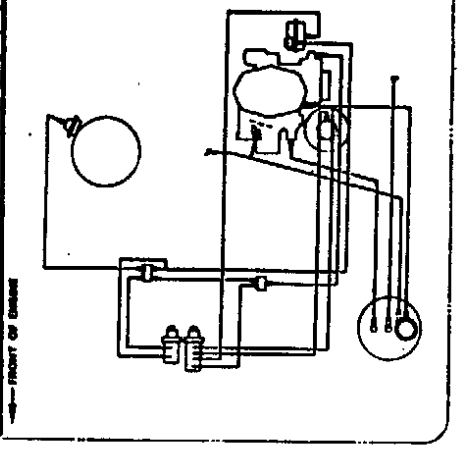
Part No. 10002727

VACUUM HOSE ROUTING



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