E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-83-1
Relating to Certification of New Motor Vehicles

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 exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 710C2
Engine: 140 CID
Transmission: 4- and 5-Speed Manual
Exhaust Emission Control Systems:

Model: Pontiac

Sunbird Hatchback

BE IT FURTHER RESOLVED: That this certification is contingent upon General Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon General Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

These vehicles are in addition to those previously certified for this engine family.

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 13 day of January, 1977.

G. C. Hass

G. C. Hass, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-83 Page 1

Engine Family 710C2 Engine (CID) 140

Emission Control System PAI, EGR, OC +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Type	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System 1-2V Mfgr. Part Number	EGR System No Service Part No.	Engine Code	Tune-Up Label Ident. & Page No.
123	H		07	M-4	3000	Delco	Holley	7044180	5	AJ 2
12	H		11	M-5		1110538	458109	7049874	5a	
12	H		15							
12	H		27							
12	H		77							
1 3	H		07	A-3		Delco	Holley	7044184	6	
12	H		11			1110539	458108			
12	H		15							
12	H		27							
12	H		77							
123	H		07	M-4		Delco	Holley	7044180	7	
12	H		11	M-5		1110538	458107	7049874	7a	
12	H		15							
12	H		27							
12	H		77							
1 3	H		07	A-3		Delco	Holley	7044184	8	
12	H		11			1110539	458106			
12	H		15							
12	H		27							
12	H		77							

Comments See page 2 for model codes and names.

Date of Issue 081776. Was pages 1, 2 & 3. 2HM07 added by RC71-160; In. Wt. class of 1HV11 with M-4 was 2750 before RC 71-177, format revised 010477. Engine Codes 5a & 7a added by RC 71-150 on 010777.

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, Electronic Fuel Injection

Exhaust Emission Control System
AI-Air Injection
PAI-Pulse Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control
FI-Fuel Injection
OC-Oxidation Catalyst

Service
I-Inspect, repair/replace as needed
R-Replace

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
Passenger Cars Light -Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-83 Page 2

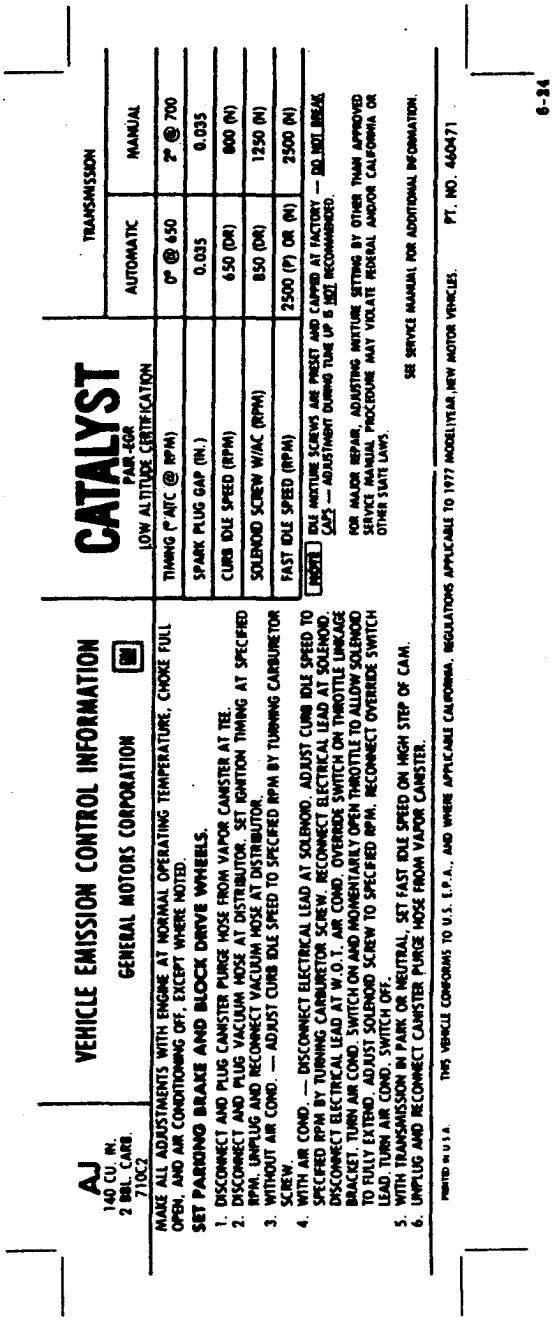
Engine Family 710C2

Model Code Breakdown:

1 H R 07

Division — Basic Body — Trim — Body Type

Division	Basic Body	Trim	Body Type	
1				CHEVROLET
	H	R	07	Monza 2 + 2
		V	11	Vega Notchback Sedan
		V	15	Vega Kammback Coupe
		M	27	Monza Town Coupe
		V	77	Vega Hatchback Coupe
2				PONTIAC
	H	M	07	Sunbird Hatchback
		C	11	Astre Notchback Sedan
		C	15	Astre Station Wagon
		M	27	Sunbird Coupe
		C	77	Astre Hatchback
3				OLDSMOBILE
	H	T	07	Starfire SX
		D	07	Starfire



AJ
140 CU. IN.
2 BBL. CARB.
710C2

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

CATALYST
PAIR-EGR
LOW ALTITUDE CERTIFICATION

	TRANSMISSION	
	AUTOMATIC	MANUAL
TIMING (° ATC @ RPM)	0° @ 650	2° @ 700
SPARK PLUG GAP (IN.)	0.035	0.035
CURB IDLE SPEED (RPM)	650 (DR)	800 (N)
SOLENOID SCREW W/AC (RPM)	850 (DR)	1250 (N)
FAST IDLE SPEED (RPM)	2500 (P) OR (N)	2500 (N)

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

1. DISCONNECT AND PLUG CANISTER PURGE HOSE FROM VAPOR CANISTER AT TEE.
2. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED RPM. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
3. WITHOUT AIR COND. — ADJUST CURB IDLE SPEED TO SPECIFIED RPM BY TURNING CARBURETOR SCREW.
4. WITH AIR COND. — DISCONNECT ELECTRICAL LEAD AT SOLENOID. ADJUST CURB IDLE SPEED TO SPECIFIED RPM BY TURNING CARBURETOR SCREW. RECONNECT ELECTRICAL LEAD AT SOLENOID. DISCONNECT ELECTRICAL LEAD AT W.O.T. AIR COND. OVERRIDE SWITCH ON THROTTLE LINKAGE BRACKET. TURN AIR COND. SWITCH ON AND MOMENTARILY OPEN THROTTLE TO ALLOW SOLENOID TO FULLY EXTEND. ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT OVERRIDE SWITCH LEAD. TURN AIR COND. SWITCH OFF.
5. WITH TRANSMISSION IN PARK OR NEUTRAL, SET FAST IDLE SPEED ON HIGH STEP OF CAM.
6. UNPLUG AND RECONNECT CANISTER PURGE HOSE FROM VAPOR CANISTER.

NOTE: IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAPS — ADJUSTMENT DURING TUNE UP IS 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 FOR ADDITIONAL INFORMATION.

PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. E.P.A., AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 460471

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Was page 5 and last page. Sunbird Hatchback added by RC 71-160, format revised 010477.