

E.O. 12812

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.

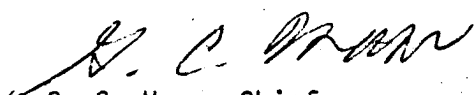
BE IT FURTHER RESOLVED: That this certification is also contingent upon General Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

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, Chief
Vehicle Emissions Control Division

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

☒ Passenger Cars☐ Light-Duty TrucksManufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-83 Page 1Engine Family 710C2 Engine (CID) 140Emission Control System PAI, EGR, OC +10% (A/C) Yes ☒ No ☐

Divisions	Basic Body Trim	Body Type	Trans- mission Type	Inertia Weight	Distributor Type HEI C,V Mfr. Part Number	Fuel System 1-2V Mfr. Part Number	EGR System No Service Part No.	Engine Code	Tune-Up Label Ident. & Page No.
123 12 12 12 12	H H H H H	07 11 15 27 77	M-4 M-5	3000	Delco 1110538	Holley 458109	7044180 7049874	5 5a	AJ 2
13 12 12 12 12	H H H H H	07 11 15 27 77	A-3		Delco 1110539	Holley 458108	7044184	6	
123 12 12	H H H	07 11 15	M-4 M-5		Delco 1110538	Holley 458107	7044180 7049874	7 7a	
12 12	H H	27 77							
13 12 12 12 12	H H H H H	07 11 15 27 77	A-3		Delco 1110539	Holley 458106	7044184	8	

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

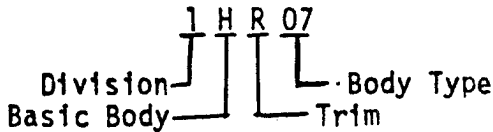
I-Inspect, repair/
replace as needed

R-Replace

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

Engine Family 710C2

Model Code Breakdown:



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

VEHICLE EMISSION CONTROL INFORMATION		CATALYST		TRANSMISSION	
GENERAL MOTORS CORPORATION		LOW ALTITUDE CERTIFICATION		AUTOMATIC	MANUAL
AJ 140 CU. IN. 2 BBL. CARB. 710C2		TIMING (° AYC @ RPM) SPARK PLUG GAP (IN.) CURB IDLE SPEED (RPM) SOLENOID SCREW W/AC (RPM) FAST IDLE SPEED (RPM)		0° @ 650 0.035 650 (DR) 850 (DR) 2500 (P) OR (N)	2° @ 700 0.035 800 (N) 1250 (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 TIE. 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. 5. DISCONNECT ELECTRICAL LEAD AT W.O.T. AIR COND. OVERIDES 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 OVERIDE SWITCH LEAD. TURN AIR COND. SWITCH OFF. 6. WITH TRANSMISSION IN PARK OR NEUTRAL, SET FAST IDLE SPEED ON HIGH STEP OF CAM. 7. UNPLUG AND RECONNECT CANISTER PURGE HOSE FROM VAPOR CANISTER.		NOTE: DO NOT ADJUST SOLENOID SCREWS ARE PRESET AND CANNOT BE ADJUSTED AT FACTORY — DO NOT BREAK FOR MAJOR REPAIR. ADJUSTING INTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS. SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.		THIS VEHICLE CONFORMS TO U.S. E.P.A., AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR, NEW MOTOR VEHICLES.	

PT. NO. 440477

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