

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-110  
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: 810W1QU
- Engine: 98 CID
- Transmission: 4-speed Manual, 3-speed Automatic
- Exhaust Emission Control Systems: 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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
810W1QU	0.28	6.8	1.2

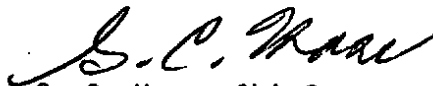
BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" 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 26 day of August, 1977.



G. C. Hass, Chief  
Vehicle Emissions Control Division

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-110 Page 1

Engine Family 810W1QU Engine (CID) 98

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
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1	<u>CHEVROLET</u>		
T	B	08	Chevette 2-door Sedan
T	J	08	Scooter
T	B	68	Chevette 4-door Sedan

**LB**  
 1.6 LITRE  
 97.6 CU. IN.  
 810W1QU  
 BABY

**VEHICLE EMISSION CONTROL INFORMATION**  
 GENERAL MOTORS CORPORATION 

**CATALYST**  
 PAF-EGR  
 LOW ALTITUDE CERTIFICATION

TRANSMISSION

**SET PARKING BRAKE AND BLOCK DRIVE WHEELS.**

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF.

- DISCONNECT AND PLUG PCV HOSE AT VAPOR CANISTER AND VACUUM HOSE AT DISTRIBUTOR.
- AUTOMATIC TRANS. WITHOUT AIR COND. — ADJUST CURB IDLE SPEED BY TURNING SOLENOID ASM. DISCONNECT ELECTRICAL LEAD AT SOLENOID. ADJUST BASE IDLE SPEED BY TURNING 1/8 HEX SCREW LOCATED IN END OF SOLENOID BODY. RECONNECT ELECTRICAL LEAD.
- AUTO. TRANS. WITH AIR COND. DISCONNECT ELECTRICAL LEAD FROM AIR COND. COMPRESSOR. WITH AIR COND. SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID ASM. SPEED BY TURNING SOLENOID ASM. RECONNECT COMPRESSOR LEAD. TURN AIR COND. SWITCH OFF. ADJUST CURB IDLE SPEED BY TURNING 1/8 HEX SCREW LOCATED IN END OF SOLENOID BODY.
- MANUAL TRANS. WITH DASHPOT FULLY COLLAPSED ADJUST CURB IDLE SPEED BY TURNING CARBURETOR SCREW.
- SET IGNITION TIMING AT SPECIFIED RPM. RESET IDLE SPEEDS IF NECESSARY. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
- WITH AUTO. TRANS. — DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE. WITH TRANS. IN PARK OR NEUTRAL, SET FAST IDLE SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE.
- UNPLUG AND RECONNECT PCV HOSE AT CANISTER.

TIMING (° BTC @ RPM)	TRANSMISSION		
	AUTOMATIC WITHOUT AIR COND	AUTOMATIC WITH AIR COND	MANUAL ALL
SPARK PLUG GAP (IN.)	0.035	0.035	0.035
CURB IDLE SPEED (RPM)	800 (DR)	800 (DR)	800 (N)
BASE IDLE SPEED (RPM)	600 (DR)	—	—
FAST IDLE SPEED (RPM)	2400 (P) OR (N)	2400 (P) OR (N)	—
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	—	950 (DR)	—

**NOTE** IDLE MIXTURE SCREW IS PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAP — 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 AND MAINTENANCE SCHEDULE B FOR ADDITIONAL INFORMATION

Passenger Cars  
Manufacturer: General Motors CorporationExecutive Order No. A-6-110 Pg. 2Engine Family 810W1QU Engine (CID) 98 Transm. \_\_\_\_\_Exhaust Emission Control System PAI, EGR, OC, PAI +10% (A/C) Yes  No 

Eng. Code	Air Cond.	Distrib. Type HEI C, V Mfgr. Part No.	Fuel System IV 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 and W/O	Delco-Remy 1110712 1110709	Rochester 17058335	17056094 No Service	2250	1	T		08	M-4	LB 1	
					2500	1	T		68			
2	W/O	Delco-Remy 1110707 1110708	Rochester 17058334	17056093 No Service	2250	1	T		08	A-3		
3	W		Rochester 17058332			1	T		08			
5	W/O		Rochester 17058334			17056131 No Service	2500	1	T			
6	W	Rochester 17058332	1	T	B			68				

Comments No models have special road load HP settings. See page one for abbreviations.Date of Issue 091277 Revisions: