

*E.O. Board*  
*6/10/86*

State of California  
Air Resources Board

EXECUTIVE ORDER A-6-86  
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: 710W1QU  
Engine: 98 CID  
Transmission: 4-Speed Manual, 3-Speed Automatic  
Exhaust Emissions Control Systems: Pulse Air Injection, Exhaust Gas Recirculation, Oxidation Catalyst

Models: Chevrolet  
Chevette  
Scooter

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Miles</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
710W1QU	0.33	6.4	1.4

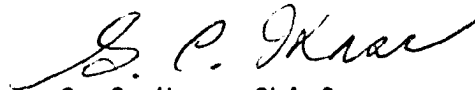
BE IT FURTHER RESOLVED: That this certification is contingent upon General Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

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.

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 August, 1976.



G. C. Hass, Chief  
Division of Vehicle Emissions Control

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-86 Page 1

Engine Family 710W1QU Engine (CID) 98 Transm. M-4, A-3

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

Divisions	Basic Body		Body Type	Transmission Type & Code	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System Type 1-1V Mfgr. Part Number	EGR System Part No. Service	Engine Code	Tune-Up Label Ident. & Page No.	
	Trim									AC	DF
1	T	B	08	M-4 Code 42	2250	Delco Remy 1110687	RPD 17057335	7044474 No Service	1	AC DF	3 3
1	T	J	08	A-3 Code 1	2500	Delco Remy 1110693	RPD 17057334	7044473 No Service	2		
						Delco Remy 1110693	RPD 17057332	7044473 No Service			

Comments Please discard Page 2 issued 081776.

Date of Issue 081776

Federal altitude information deleted, page 2 cancelled, format revised 110476.  
Inertia Wt. with A-3 trans. was 2250 before RC 71-178, label DF added, 061377.

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  
CAI-Catalyst 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  
PAI-Pulse Air Injection

Passenger Cars

Light-Duty Truck

Engine Family 710W1QU

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**VEHICLE EMISSION CONTROL LABEL**

<p><b>AC*</b> 1.6 LITRE 97.6 CU IN 1 BBL CARB 710W1QU</p>	<p><b>VEHICLE EMISSION CONTROL INFORMATION</b> GENERAL MOTORS CORPORATION</p>	<p><b>CATALYST</b> PAIR-EGR LOW ALTITUDE CERTIFICATION</p>	TRANSMISSION			
			AUTOMATIC WITHOUT AIR COND.	AUTOMATIC WITH AIR COND.	MANUAL ALL	
<p>MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF.</p> <p><b>SET PARKING BRAKE AND BLOCK DRIVE WHEELS.</b></p> <p>1. DISCONNECT AND PLUG PCV HOSE AT VAPOR CANISTER AND VACUUM HOSE AT DISTRIBUTOR. 2. WITH AUTO. 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. 3. WITH AUTO. TRANS. AND AIR COND. — TURN THE 1/8 HEX SCREW LOCATED IN END OF SOLENOID BODY UNTIL FULLY BOTTOMED. ADJUST CURB IDLE SPEED BY TURNING SOLENOID ASM. ADJUST BASE IDLE BY TURNING OUT 1/8 HEX SCREW. 4. WITH MANUAL TRANS. — WITH DASHPOT FULLY COLLAPSED ADJUST CURB IDLE SPEED BY TURNING CARBURETOR SCREW. 5. SET IGNITION TIMING AT SPECIFIED RPM. RESET IDLE SPEEDS IF NECESSARY. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR. 6. 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. 7. UNPLUG AND RECONNECT PCV HOSE AT CANISTER.</p>			<p>TIMING (° BTC @ RPM)</p>	<p>8° @ 800</p>	<p>8° @ 800</p>	<p>8° @ 800</p>
<p>SPARK PLUG GAP (IN.)</p>			<p>0.035</p>	<p>0.035</p>	<p>0.035</p>	
<p>CURB IDLE SPEED (RPM)</p>			<p>800 (DR)</p>	<p>950 (DR)</p>	<p>800 (N)</p>	
<p>BASE IDLE SPEED (RPM)</p>			<p>600 (DR)</p>	<p>800 (DR)</p>	<p>—</p>	
<p>FAST IDLE SPEED (RPM)</p>			<p>2400 (P) OR (N)</p>	<p>2400 (P) OR (N)</p>	<p>—</p>	

**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 II 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. 460119

<p><b>DF</b> 1.6 LITRE 97.6 CU IN 1 BBL CARB 710W1QU</p>	<p><b>VEHICLE EMISSION CONTROL INFORMATION</b> GENERAL MOTORS CORPORATION</p>	<p><b>CATALYST</b> PAIR-EGR LOW ALTITUDE CERTIFICATION</p>	TRANSMISSION			
			AUTOMATIC WITHOUT AIR COND.	AUTOMATIC WITH AIR COND.	MANUAL ALL	
<p>MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF.</p> <p><b>SET PARKING BRAKE AND BLOCK DRIVE WHEELS.</b></p> <p>1. DISCONNECT AND PLUG PCV HOSE AT VAPOR CANISTER AND VACUUM HOSE AT DISTRIBUTOR. 2. 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. 3. 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. 4. MANUAL TRANS. WITH DASHPOT FULLY COLLAPSED ADJUST CURB IDLE SPEED BY TURNING CARBURETOR SCREW. 5. SET IGNITION TIMING AT SPECIFIED RPM. RESET IDLE SPEEDS IF NECESSARY. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR. 6. 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. 7. UNPLUG AND RECONNECT PCV HOSE AT CANISTER.</p>			<p>TIMING (° BTC @ RPM)</p>	<p>8° @ 800</p>	<p>8° @ 800</p>	<p>8° @ 800</p>
<p>SPARK PLUG GAP (IN.)</p>			<p>0.035</p>	<p>0.035</p>	<p>0.035</p>	
<p>CURB IDLE SPEED (RPM)</p>			<p>800 (DR)</p>	<p>800 (DR)</p>	<p>800 (N)</p>	
<p>BASE IDLE SPEED (RPM)</p>			<p>600 (DR)</p>	<p>—</p>	<p>—</p>	
<p>FAST IDLE SPEED (RPM)</p>			<p>2400 (P) OR (N)</p>	<p>2400 (P) OR (N)</p>	<p>—</p>	
<p>SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)</p>			<p>—</p>	<p>950 (DR)</p>	<p>—</p>	

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PT. NO. 466330

**LABEL LOCATION**

Right front underside of hood.

Label DF added, 061377 .