

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-167  
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 are certified as described below for 1980 model-year gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
01W2PC	98	Pulse Air Injection Exhaust Gas Recirculation Three Way Catalyst with Closed Loop

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 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>
01W2PC	0.22	3.2	0.9

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California this 11<sup>th</sup> day of September, 1979.

*K. D. Drachand*  
K. D. Drachand, Acting Chief  
Mobile Source Control Division

STAFF USE ONLY

E.O. NO. A-6-167

1980 MODEL-YEAR CERTIFICATION CHECK OFF SHEET  
EXHAUST/EVAPORATIVE SYSTEM & FILL PIPE SPECIFICATION COMPLIANCE

Manufacturer GM  P/C  LDT  MDV

Gas  Diesel |  Full  Ltd  Abrv. | Eng. Code -  Calif.  49S  50S  
Engine Family 01W2PC Evap. Family 0B5-1

Exh. ECS (Special Features) PAI, EGR, TWC w/CL

1 Authorized Representative	<u>01.03.</u>	10 Projected Sales	<u>10.</u>
2 Fuel, Test Equipment, Procedures & Route	<u>03,04,05</u>	11 Vehicle Descript.	
3 Warr. State & Parts List	<u>06.06.</u>	12 Test Veh. Information	Dur. Emis.
4 Maint: Cert/Req'd/Recm'd	<u>06.01.01</u>	Fleet Approval Exh.	<u>0906</u> <u>--</u>
5 Tune-Up Lab./Vac. Hose Diag.	<u>07</u>	" " Evap.	
6 Evap. Control System	<u>08,09</u>	Zero Mile Books	
7 Engine Parameters	<u>10.</u>	Vehicle Logs	
8 Fuel/Ignition Systems		Maintenance Logs	
9 Exhaust Control System		13 Evap. Bench Test Procedure	<u>ML-09082</u>

STATEMENTS:

- 1 Gen. Std., Increase in Em., 16-18-3. Safety, Mtg. All Req'ments.
- 2 Prod. Veh. Same as Test Veh. ML-0P1033
- 3 Suitability for 91 RON Fuel ↓
- 4 Label Durability SM-0725
- 5 Driveability ML-0P1033

CALIFORNIA REGULATIONS:

- 1 Fill Pipe/Access Zone 17.
- 2 Altitude A/F Req'ment ML-0P1033
- 3 Carb. Tamperproof Req'ment 091978
- 4 Ck for DF, Outlier, Line Xing 090679
- 5 Certification (Miles) 50K
- 6 Hydrocarbon Standard THC
- 7 EPA Certificate 091179
- 8 Envelope Attached ↓

Displ. CID	Code	Trans.	Axle Ratio	Vehicle I.D. No.	Fuel Econ. City/Hwy.	Test Loc.	Projected Emissions (1)					
							Gm/Mile HC	CO	NOx	Hwy NOx	Evap. Gm/Test	
to comply with <u>PC</u> stds. of							<u>.41</u>	<u>9.0</u>	<u>6.0</u>	<u>1.3</u>	<u>2.0</u>	
<u>98</u>	<u>1</u>	<u>M-4</u>	<u>3.70</u>	<u>2375</u>	<u>C9T265</u>	<u>28.0/37.2</u>	<u>EPA</u>	<u>.22</u>	<u>3.2</u>	<u>0.5</u>	<u>0.1</u>	
	<u>5</u>	<u>A-3</u>			<u>C9T267</u>	<u>26.9/32.2</u>		<u>.19</u>	<u>1.7</u>	<u>0.8</u>	<u>0.5</u>	
	<u>6</u>			<u>2500</u>	<u>C9T269</u>	<u>24.7/31.6</u>		<u>.21</u>	<u>2.6</u>	<u>0.9</u>	<u>0.1</u>	<u>0.2</u>

(1) Includes a MCCF of .89 and exhaust DF's of HC 1.898, CO 1.320, NOx 2.321, and evaporative DF's of: Vehicle 0, Bench 0, Average 0.

Remarks

Application Processed By S. DAND Date 09/11/79 Reviewed By R.L. Weis Date 9/11/79

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT  
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-167

Engine Family 01W2PC Engine CID 98 Transm. \_\_\_\_\_

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

Eng. Code	Air Cond.	Ign.Syst. EI, CA, VA Dist. P/N	Fuel System 2V Carb. P/N	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label	Rev. Notes
1	W/O	1110795	14004472	17058273	2375	1	T		08	M-4	XX, 29	A B
						1	T		68			
2	W		14004471		2375	1	T		08			A
						1	T		68			
5, 5A 5B, 5C	W/O	1110794	14004470	17058269	2375	1	T		08	A-3		C C
			14032357		2500	1	T		68			
6, 6A 6B 6C	W		14004469		2375	1	T		08			C C
			14032356		2500	1	T		68			

Comments: See page one for abbreviations and evaporative emission family identification. Please refer to manufacturer's HP lists for correct dyno test HP settings based on model, equipment and frontal area.

Date of Issue: 091279 Revisions: A. Test weight class for 1TJ08 increased from 2250 by letter ML-OC041; B. Label 29 added by letter ML-OP1112, on 102479. C. EC 5A, 5B, 5C, 6A, 6B, 6C added by RC 01-222, on 052980.

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer Chevrolet Executive Order No. A-6-167 Page 1

Engine Family 01W2PC Engine (CID) 98 4cyl

Evap. Family OB5-1

ABBREVIATIONS

Ignition System

CA-Centrifugal Advance  
 EEC-Electronic Engine Control  
 EI-Electronic Ignition  
 ESAC-Electronic Spark Advance Control  
 VA-Vacuum Advance  
 VR-Vacuum Retard

Exhaust Emissions Control System

AI-Air Injection  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst

Special Features

CCAV-Combustion Chamber Air Valve  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbo Charged

Fuel System

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

<u>DIVISION</u>	<u>BASIC BODY</u>	<u>TRIM</u>	<u>BODY TYPE</u>	<u>CHEVROLET</u>
1	T	B	08	Chevette Hatchback Coupe
	T	B	68	Chevette Hatchback Sedan
	T	J	08	Chevette "Scooter" Hatchback Coupe