

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-236  
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-45-3, and G-45-4;

IT IS ORDERED AND RESOLVED: That 1982 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
C1G5.7V4TMA4	305 (5.0)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System Closed Loop

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

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1982 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.20	4.4	0.2

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".

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 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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 5<sup>th</sup> day of April 1982.

  
K. D. Drachand, Chief  
Mobile Source Control Division

**1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET**

**Manufacturer** General Motors Corp. **Executive Order No.** A-6-236 **Page** 1  
**Engine Family** C1G5.7V4TMA4 **Evaporative Family** 2B4-1B  
**Engine CID (Liters)** 305 (5.0) Calif.  
305, 350 (5.0, 5.7) 49-State

**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**

AIP-Air Injection-Pump  
 AIV-Air Injection-Valve  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst System  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst System

**Special Features**

CCV-Combustion Chamber Valve  
 CFI-Central Fuel Injection  
 DID-Diesel Injection-Direct  
 DIP-Diesel Injection-Prechamber  
 MFI-Mechanical Fuel Injection  
 TC-Turbocharged

**Fuel System**

CFI, CL, DID, DIP, EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

<u>Div.</u>	<u>Basic Body</u>	<u>Trim</u>	<u>Body Type</u>	<u>Model</u>
1	B	L	35	CHEVROLET Impala Station Wagon
			47	Impala Sport Coupe
			69	Impala Sedan
		N	35	Caprice Classic Station Wagon
			47	Caprice Classic Sport Coupe
			69	Caprice Classic Sedan
	F	P	87	Camaro Sport Coupe
			87	Camaro Berlinetta Sport Coupe
	G	W	35	Malibu Classic Station Wagon
			69	Malibu Classic Sedan
			80	El Camino/Caballero
			Z	37
2	F	S	87	PONTIAC Firebird
			87	Firebird T/A
			87	Firebird S/E
			87	Firebird S/E

**DRIVE SYSTEM:** Rear Wheel

ISSUED: 033182.

AIR RESOURCES BOARD 1982 SUPPLEMENTAL DATA SHEET - GM FORMAT

Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-236

Engine Family C1G5.7V4TMA4 Engine CID 305 Transm. \_\_\_\_\_

Exhaust Emission Control System AIP, EGR, TWC, CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Equivalent Test Weight	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
51	W	16017311, 16025941	17082204	17075617	4000	1 1	B B	L	47 69	A4	LAN	
					4250	1	B	N	69			
					4000	1 1	B B		47 69			
52	W/O		17082202		4000	1 1	B B		47 69			
53	W	16018761, 16025951	17082204	17075627	3875	1 1	G G		35 80	A3		
					3750	1	G		80			
					3875	1	G		35			
54	W/O		17082202		3750	1	G		69			
					3875	1	G		37			
					3750	1 1	G G		37 69			
58	W/O		17082202		3500	1 1	F F	S	87 87		LAS	
61	W	16024451	17082204		3625	2	F	X	87			
61A		16024591, 16025971										
61B												

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: 033182. Revisions:

**AIR RESOURCES BOARD 1982 SUPPLEMENTAL DATA SHEET - GM FORMAT**  
**Gasoline-fueled Passenger Car**

**Manufacturer:** GENERAL MOTORS CORPORATION **Executive Order No.** A-6-236

**Engine Family** C1G5.7V4TMA4 **Engine CID** 305 **Transm.** \_\_\_\_\_

**Exhaust Emission Control System** AIP, EGR, TWC, CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Equivalent Test Weight	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
62	W/O	16024451	17082202	17075617	3500	1 2	F		87	A3	LAS	
62A		16024591, 16025971										
62B												
63	W	16024451	17082204		3625	1 2	F		87			
63A		16024591, 16025971										
63B												
64	W/O	16024451	17082202		3500	1 2	F		87			
64A		16024591, 16025971										
64B												
65	W	16026531	17082204	17058427	4500	1	B		35	A4	LAN	
66	W/O		17082202		4500	1	B		35			

**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:** 033182. **Revisions:**