State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-221
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.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
C6G4.1V5AGA3	249 (4.1)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst System with Closed Loop (Central Fuel Injection)

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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.41	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.27	2.5	0.6

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 in El Monte, California this 10th day of August, 1981.

K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors | Executive Order No. A-6-221 | Page 1

Engine Family C6G4.1V5AGA3 | Evaporative Family 2B0-6

Engine CID (Liters) 249 (4.1)

ABBREVIATIONS

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

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

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

Division	Basic Body	Trim	Body Type	CADILLAC
6	C	B	47	Brougham Coupe
		B	69	Brougham Sedan
		D	47	Coupe deVille
		D	69	Sedan deVille
	E	L	57	Eldorado
	K	S	69	Seville

DRIVE SYSTEM: Rear Wheel - C Body
Front Wheel - E, K Body

ISSUED: 081081. Engine CID corrected, 111881.

012281

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-221

Engine Family C6G4.1V5AGA3 Engine CID 249 Transm. _____

Exhaust Emission Control System AIP, EGR, TWC, CL (CFI)

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System Throttle Body Part No.	EGR Valve Part No.	Equivalent Test Weight	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
1A	W	16018346	17082030	17075677	4250	6	C		47	A-4	KAB	E[A]
1B		16025806				6	C		69			
4		16018376 16019886	17082031	17075679	4000	6	E		57			C[B]
					4250	6	K		69			D F
4A		16025826 16025846										

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: 081081 **Revisions:** A. EC 1A was EC 1 before RC 26-25, approved with original certification 081081. B. EC 4 added by RC 26-32, included in original certification 081081. Engine CID corrected; C. ECM 16019886 added by RC 26-105, on 111881. D. 6K69 was 4000 before letter 2P1109, added 111881. E. EC 1B added by RC/FF 26-235; F. EC 4A added by RC/FF 26-248, on 113081.