State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-219
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)
C4G3.8V2TMA5	231	(3.8)	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:

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	4.5	0.4

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 29th day of July, 1981.

K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motor Corp. Executive Order No. A-6-219 Page 1

Engine Family C4G3.8V2TMA5 Evaporative Family 2B3-4B

Engine CID (Liters) 231 (3.8)

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

Division	Basic Body	Trim	Body Type	
1				Chevrolet
	B	L	47	Impala Sport Coupe
			69	Impala Sedan
		N	47	Caprice Classic Sport Coupe
			69	Caprice Classic Sedan
	G	Z	37	Monte Carlo Sport Coupe
		W	35	Malibu Classic Station Wagon
			69	Malibu Classic Sedan
			80	El Camino
			80+	El Camino
			Z88	
2				Pontiac
	G	J	37	Grand Prix
		K		Grand Prix LJ
		P		Grand Prix Brougham
		N	69	Bonneville Model G Sedan
		R		Bonneville Model G Brougham Sedan
		N	35	Bonneville Model G Wagon

Division	Basic Body	Trim	Body Type	
3				Oldsmobile
	G	R	47	Cutlass Supreme Coupe
		K		Cutlass Supreme Calais Coupe
		M		Cutlass Supreme Brougham Coupe
		R	69	Cutlass Supreme LS Sedan
		M		Cutlass Supreme Brougham Sedan
		H	35	Cutlass Cruiser Brougham Wagon
	B	N	37	Delta 88 Royale Coupe
		Y		Delta 88 Royale Brougham Coupe
		L	69	Delta 88 Sedan
		N		Delta 88 Royale Sedan
		Y		Delta 88 Royale Brougham Sedan
4				Buick
	G	J	47	Regal Coupe
			69	Regal Sedan
			35	Regal Estate Wagon
		M	47	Regal Limited Coupe
			69	Regal Limited Sedan
	B	N	37	LeSabre Custom Coupe
			69	LeSabre Custom Sedan
		D	37	LeSabre Limited Coupe
			69	LeSabre Limited Sedan

DRIVE SYSTEM: Rear Wheel Drive.

Issued: 073181.

012281

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-219 Pg. 2

Engine Family C4G3.8V2TMA5 Engine CID 231 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
4, 4A, 4B, 4C	W & WO	16017144	17082194, 17082184	17082704	3875	1	B		47	A-3	GAB	AF
					4000	1 3 4	B		37			E G
4D		16030034		17082838		1 3 4	B		69			H
5, 5A		16017084	17082192, 17082182	17082710	3625	1	G		37			
						3	G	RM	47			AF
5B, 5C, 5D		16026864		17082837		4	G	J	47			D
						1	G		69			E
						1	G		80			G
					3750	1 3 4	G		35			
						2	G		37			
						3	G	K	47			
						4	G	M	47			
						2 3 4	G		69			
					3875	2	G		35			BC

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: 073181. Revisions: A. EC 4A, 5A added by FF 24-106, on 093081. B. B models deleted from EC 5, 5A to correct error; C. 2G35 was 3750 before RC 24-255; D. EC 5B added by RC 24-284 on 021782; E. EC 4B,5C added by RC 24-366 on 020982; F. Opt. Carb. P/Ns added by RC 24-373 on 021282; G. EC 4C,5D added by RC 24-387 on 040682. H. EC 4D added by RC 24-434 on 052782.