State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-217
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)
C3G5.0W4ARA2	307 (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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.39	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
0.32	2.3	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 June, 1981.

K. D. Drachand (HW)
K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-217 Page 1

Engine Family C3G5.0W4ARA2 Evaporative Family 2B4-3B

Engine CID (Liters) 307 (5.0)

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	
3				OLDSMOBILE
	B	P	35	Custom Cruiser Wagon
		N	37	Delta 88 Royal Coupe
		Y	37	Delta 88 Royal Brougham Coupe
		L	69	Delta 88 Sedan
		N	69	Delta 88 Royal Sedan
		Y	69	Delta 88 Royal Brougham Sedan
	C	X	37	Ninety Eight Regency Coupe
		X	69	Ninety Eight Regency Sedan
		W	69	Ninety Eight Regency Brougham Sedan
	E	Z	57	Toronado Brougham Coupe
	G	H	35	Cutlass Cruiser Brougham Wagon
		R	47	Cutlass Supreme Coupe
		K	47	Cutlass Supreme Calais Coupe
		M	47	Cutlass Supreme Brougham Coupe
		R	69	Cutlass Supreme LS Sedan
		M	69	Cutlass Supreme Brougham Sedan

DRIVE SYSTEM: E models - front wheel drive
Other models - rear wheel drive

DIVISION	BASIC BODY	TRIM	BODY TYPE	Buick —
4	B	N	37	LeSabre Custom Coupe
		N	69	LeSabre Custom Sedan
		P	37	LeSabre Limited Coupe
		P	69	LeSabre Limited Sedan
		R	35	LeSabre Estate Wagon
		V	35	Electra Estate Wagon
		W	69	Electra Park Avenue Sedan
		X	37	Electra Limited Coupe
		W	37	Electra Park Ave Coupe
		X	69	Electra Park Avenue Sedan
	E	Y	57	Riviera "T-Type" Coupe
		Z	57	Riviera "Luxury" Coupe
		Z	67	Riviera Convertible Coupe

ISSUED: 060981. 4EZ67 added by RC 23-298, on 122881. CID corrected; 4CW37 added to correct omission; 3G47 & 69 models added by RC 23-381 on 032982.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-217 Pg. 2

Engine Family C3G5.0W4ARA2 Engine CID 307 Transm. _____

Exhaust Emission Control System AIP, EGR, TWC, CL

Eng. Code	Air Cond.	Electron. Control Module Part No. 1601	Fuel System 4V Carburetor Part No. 1708	EGR Valve Part No.	Equivalent Test Weight	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
1A,B	W & WO	8053	2253	17075690	4000	3	B		37	A-3	OBC	AB
1D						3	B	L	69		HKG	F
1C			2255								OBC	D
1E						3	G		35		HKG	F
					4250	4	B		37			
						3	B	NY	69			
						4	B		69			
2A,B		8073	2253		4250	3 4	B		37	A-4	OBC	ABC
2D						3 4	B		69		HKG	CF
2C			2255								OBC	D
2E						3 4	C	X	37		HKG	F
						3	C		69			
					4500	4	C	W	37			
						4	C		69			
3A,B	W	8113	2253		4250	3 4	E		57		OBC	AB
3D						4	E		67		HKG	EF
3C			2255								OBC	D
3E											HKG	F
4A,B	W & WO	8093	2253		4750	3 4	B		35		OBC	AB
4D											HKG	F
4C			2255								OBC	D
4E											HKG	F
5		1602 7053			3750	3	G		47	A-3		G
						3	G		69			

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: 060981. Revisions: A. EC for start of production were 1, 2, 3, 4 before RC 23-64, approved on 072081. B. EC 1B, 2B, 3B, 4B added by RC 23-189, on 102681. C. 3BN37 & 3BL69 were 4000 before RC 23-260, approved 112781. D. EC 1C thru 4C added by RC 23-262; E. 4E67 added by RC 23-298, on 122881. F. EC 1D, E, 2D, E, 3D, E, 4D, E added by RC 23-345; G. EC 5 added by RC 23-381 on 032982.