State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-209
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)
C4G3.8V8NBA9	231	(3.8)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System Closed Loop (Turbocharged)

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
0.24	2.6	0.5

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 12th day of August, 1981.

K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-209 Page 1

Engine Family C4G3.8V8NBA9 Evaporative Family $2B^4$-4A

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	
4				BUICK
	G	K	47	Regal Sport Coupe
	E	Y	57	Riviera "T-Type" Coupe

BASIC BODY:	G	E
DRIVE SYSTEM:	Rear Wheel	Front Wheel

ISSUED: 081381. E model added, by RC 24-244, on 012882.

012281

E. O. Book

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-209

Engine Family C4G3.8V8NBA9 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	EGR Valve Part No.	Equivalent Test Weight	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
2A	W/WO	16017224	17082244	17082709	3625	4	G		47	A-3	GTB	A
2B			17082260									B
2C		16025264	17082244									C
2D			17082260									C
3	W	16017234	17082249	17082831	4000	4	E		57	A-4	GTE	D
3A		16017194		17082832								E

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: 081381. Revisions: A. EC 2A replaced EC 2 effective with start of production, per RC 24-097, approved 090381. B. EC 2B added by RC 24-164, On 101381. EC 2C, 2D added, by RC 24-183, on 102081. D. EC 3 added by RC 24-244; E. EC 3A added, by RC 24-319, on 012882.

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-209 Page 2

Engine Family C4G3.8V8NBA9 Exhaust Emission Control System AIR, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	4V CARB PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
231	2A	W/WO	16017224	17082244	17082709	3625	4	G		47	A-3	GTB	A
	2B			17082260 17082264									B F
	2C		16025264	17082244									C
	2D			17082260 17082264									C F
	3	W	16017234	17082249 17082269	17082831	4000	4	E		57	A-4	GTE	D F
	3A		16017194		17082832								E

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.

ISSUED: 081381

REVISIONS: A. EC 2A replaced EC 2 effective with start of production per RC 24-097, approved 090381. B. EC 2B added by RC 24-164 on 101381. C. EC 2C, 2D added by RC 24-183 on 102081. D. EC 3 added by RC 24-244. E. EC 3A added by RC 24-319 on 012882. F. Optional carburetor added by RC 24-373 on 021282.