E.C. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-204
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; and

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

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
13Y4AR	307 (5.0)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System with Closed Loop

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

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
13Y4AR	0.29	1.8	0.7

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

BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer 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 26th day of August, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-204 Page 1

Engine Family 13Y4AR Evaporative Family 1B4-3

ABBREVIATIONS Engine CID (Liters) 307 (5.0)

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
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Division / Basic Body / Trim / Body Type	
2	PONTIAC
BL35	Catalina Safari Station Wagon
N35	Bonneville Safari Station Wagon
L37	Catalina Coupe
N37	Bonneville Coupe
R37	Bonneville Brougham Coupe
L69	Catalina Sedan
N69	Bonneville Sedan
R69	Bonneville Brougham Sedan
3	OLDSMOBILE
AG35	Cutlass Cruiser
H35	Cutlass Cruiser Brougham
BP35	Custom Cruiser
L37	Delta 88 Coupe
N37	Delta 88 Royale Coupe
Y37	Delta 88 Royale Brougham Coupe

Division / Basic Body / Trim / Body Type	
3	OLDSMOBILE (Continued)
BL69	Delta 88 Sedan
N69	Delta 88 Royale Sedan
Y69	Delta 88 Royale Brougham Sed.
CX37	Ninety Eight Regency Coupe
V69	Ninety Eight Luxury Sedan
X69	Ninety Eight Regency Sedan
EZ57	Toronado Brougham Coupe
4	BUICK
BR35	LeSabre Estate Wagon
V35	Electra Estate Wagon
N37	LeSabre Coupe
P37	LeSabre Limited Coupe
N69	LeSabre Sedan
P69	LeSabre Limited Sedan
CW37	Electra Park Avenue Coupe
X37	Electra Limited Coupe
W69	Electra Park Avenue Sedan
X69	Electra Limited Sedan
EY57	Riviera "S" Type
Z57	Riviera "Luxury"

Issued: 082580.

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-204

Engine Family 13Y4AR Engine CID 307 Transm. _____

Exhaust Emission Control System AIP/EGR/TWC/CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carb. Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
1	W & W/O	Delco Electronics 16014963	Rochester 17081253	17075505	4000	3	A		35	A3	OS-G HPG	F
						3	B		37			
						3	B	L	69			
1A		16018213										B
					4250	4	B		37			
						3	B	NY	69			
						4	B		69			
2		16017113	17081254	17056386	4000	3	B		37	A4	OQ-G HRG	
2A		16018243				3	B	L	69			BF
					4250	2 4	B		37			
						2 4	B		69			
						3	B	NY	69			
						3	C		37			
						3	C		69			
					4500	2 4	B		35			
						4	C		37			E
						4	C		69			
					4750	3 4	B		35			D
3A		16012733	17081253	17075506	4000	3	E		57	A3	OS-G HPG	A
3B		16018233										B F
					4250	4	E		57			
3C				17056384	4000	3	E		57			C
					4250	4	E		57			

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: 082580. Revisions: A. EC 3A added by RC 13-25, included in original certification 082580. B. EC 1A,2A,3B added by RC 13-69, on 082980. C. EC 3C added by RC 13-97, on 100880. D.3B35, 4B35 were 4500 before RC 13-118, approved 101680. E. 4C37 models were 4250 before RC 13-196, approved 011681. F. Tune-up labels HPG, HRG added, by letter ML-1P1323, on 041081.