State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-186
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)
12X2NN	151 (2.5)	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
12X2NN	0.25	2.4	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 except Motorcycles".

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 22nd day of August, 1980.

K. D. Drachand by RHW

K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-186 Page 1

Engine Family 12X2NN Evaporative Family 1B6-2

ABBREVIATIONS Engine CID (Liters) 151 (2.5)

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	
1		Chevrolet
	XX08	Citation Hatchback Coupe
	X68	Citation Hatchback Sedan
2		Pontiac
	XY37	Phoenix Coupe
	Z37	Phoenix LJ Coupe
	Y68	Phoenix Hatchback Sedan
	Z68	Phoenix Hatchback LJ Sedan
3		Oldsmobile
	X B37	Omega Coupe
	E37	Omega Sedan
	B69	Omega Brougham Coupe
	E69	Omega Brougham Sedan
4		Buick
	XB37	Skylark Coupe
	C37	Skylark Sedan
	D37	Skylark Limited Coupe
	B69	Skylark Limited Sedan
	C69	Skylark Sport Coupe
	D69	Skylark Sport Sedan

Issued: 082280.

E.O. Book

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-186

Engine Family 12X2NN Engine CID 151 Transm. _____

Exhaust Emission Control System AIP, EGR, TWC, CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 2V Carb. Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
1A	W	Delco Electron-ics 16014092	Rochester 17081672	17075578	2875	3	X	B	37	A-3	PDK PFS	A D
1B			17081766		3000	1	X		08			E
						2 4	X		37			
						3	X	E	37			
						1 2	X		68			
						3 4	X		69			
2A	WO	16012722	17081670		2875	1	X		08		PAM, PDZ PFM	AB C
2B			17081764			3 4	X		37			DE
						3	X		69			
						4	X	B	69			
					3000	2	X		37			
						1 2	X		68			
						4	X		69			
5	W	16014082	17081673	17075501	2875	1	X		08	M-4	PDH PFP	B DE
5A			17081767			3 4	X		37			
						3	X	B	69			
					3000	2	X		37			
						1	X		68			
						3	X	E	69			
						4	X		69			
6	WO	16012712	17081671		2875	1	X		08		PAL, PDY PFL	C DE
6A			17081765			2 3	X		37			
						1	X		68			
						3 4	X		69			
					3000	2	X		68			

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: 082280. Revisions: A. EC 1A & 2A added by RC 12-24, included in original certification 082280. B. 1XX08 was 3000 before RC 12-146, approved 110380. C. Tune-up labels PDZ, PDY added by letter ML-1C038, on 110580. D. Labels PFS, PFM, PFP, PFL added by letter ML-1P1220; E. EC 1B, 2B, 5A, 6A added by RC 12-190, on 031981.