

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.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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
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

Division
 Basic Body
 Trim
 Body Type

3
 X B37 Oldsmobile
 E37 Omega Coupe
 B69 Omega Sedan
 E69 Omega Brougham Coupe
 Omega Brougham Sedan

1
 XX08 Chevrolet
 X68 Citation Hatchback Coupe
 Citation Hatchback Sedan

4
 XB37 Buick
 C37 Skylark Coupe
 D37 Skylark Sedan
 B69 Skylark Limited Coupe
 C69 Skylark Limited Sedan
 D69 Skylark Sport Coupe
 Skylark Sport Sedan

2
 XY37 Pontiac
 Z37 Phoenix Coupe
 Y68 Phoenix LJ Coupe
 Z68 Phoenix Hatchback Sedan
 Phoenix Hatchback LJ Sedan

E.O. 12866

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 Electronics 16014092	Rochester 17081672	17075578	2875	3	X	B	37	A-3	PDK PFS	A D E
1B			17081766		3000	1	X		08			
						2 4	X		37			
						3	X	E	37			
						1 2	X		68			
						3 4	X		69			
2A	WO	16012722	17081670	17075578	2875	1	X		08	A-3	PAM, PDZ PFM	AB C DE
2B			17081764		3000	1	X		08			
						3 4	X		37			
						3	X	B	69			
						4	X		69			
						1 2	X		37			
						2	X		68			
						4	X		69			
5	W	16014082	17081673	17075501	2875	1	X		08	M-4	PDR PFP	B DE
5A			17081767		3000	1	X		37			
						3 4	X	B	69			
						3	X		69			
						2	X	E	69			
						4	X		69			
6	WO	16012712	17081671	17075501	2875	1	X		08	M-4	PAL, PDY PFL	C DE
6A			17081765		3000	1	X		37			
						2 3	X		68			
						3 4	X		69			
						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.