

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.

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

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

Division
 Basic Body
 Trim
 Body Type

2
 BL35
 N35
 L37
 N37
 R37
 L69
 N69
 R69

PONTIAC
 Catalina Safari Station Wagon
 Bonneville Safari Station Wagon
 Catalina Coupe
 Bonneville Coupe
 Bonneville Brougham Coupe
 Catalina Sedan
 Bonneville Sedan
 Bonneville Brougham Sedan

3

AG35
 H35
 BP35
 L37
 N37
 Y37

OLDSMOBILE
 Cutlass Cruiser
 Cutlass Cruiser Brougham
 Custom Cruiser
 Delta 88 Coupe
 Delta 88 Royale Coupe
 Delta 88 Royale Brougham Coupe

3

BL69
 N69
 Y69
 CX37
 V69
 X69
 EZ57

OLDSMOBILE (Continued)
 Delta 88 Sedan
 Delta 88 Royale Sedan
 Delta 88 Royale Brougham Sed.
 Ninety Eight Regency Coupe
 Ninety Eight Luxury Sedan
 Ninety Eight Regency Sedan
 Toronado Brougham Coupe

4

BR35
 V35
 N37
 P37
 N69
 P69
 CW37
 X37
 W69
 X69
 EY57
 Z57

BUICK
 LeSabre Estate Wagon
 Electra Estate Wagon
 LeSabre Coupe
 LeSabre Limited Coupe
 LeSabre Sedan
 LeSabre Limited Sedan
 Electra Park Avenue Coupe
 Electra Limited Coupe
 Electra Park Avenue Sedan
 Electra Limited Sedan
 Riviera "S" Type
 Riviera "Luxury"

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT

Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-G-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	Transmission	Tune-up Label Code	Rev. Notes					
1	W & W/O	Delco Electronics 16014963 16018213	Rochester 17081253	17075505	4000	3	A		35	A3	OS-G HPG	F B BF E D A B C					
1A													4250	3	B	L	37 69
															B		
2		16017113 16018243	17081254	17056386	4000	3	B		37 69	A4	OQ-G HRG						
2A													4250	3	B	L	37 69 69
		B	NY	37 69 69													
								3	C		37 69						
						3	C		37 69								
						4500	2	B		35							
							4	C		37							
							4	C		69							
						4750	3	B		35							
						4	C		69								
3A		16012733 16018233	17081253	17075506	4000	3	E		57	A3	OS-G HPG						
3B												4250	4	E	57		
3C			17056384	4000	4000	3	E		57								
					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.