

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-197
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 Orders G-45-3 and G-45-4;

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

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
13J9ZZGH	350 (5.7)	Exhaust Gas Recirculation (Diesel Injection)

Vehicle Models, Transmissions, and Engine Codes 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>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.48	1.3	1.5

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's 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 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 at El Monte, California this 4th day of September, 1980.

K. D. Drachand
K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

E. B. Bmp

Manufacturer General Motors Corp. Executive Order No. A-6-197 Page 1

Engine Family 13J9ZZGH Evaporative Family NA

ABBREVIATIONS Engine CID (Liters) 350 (5.7)

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

1 B L 47 Impala Sport Coupe
 L 69 Impala Sedan
 N 47 Caprice Classic Sport Coupe
 N 69 Caprice Classic Sedan
 L 35 Impala Station Wagon
 N 35 Caprice Classic Station Wagon

2 B L 37 Catalina Coupe
 L 69 Catalina Sedan
 N 37 Bonneville Coupe
 N 69 Bonneville Sedan
 R 37 Bonneville Brougham Coupe
 R 69 Bonneville Brougham Sedan
 L 35 Catalina Safari Station Wagon
 N 35 Bonneville Safari Station Wagon

A J 37 Grand Prix Brougham
 K 37 Grand Prix
 P 37 Grand Prix LJ

3 A G 69 Cutlass Sedan
 R 47 Cutlass Supreme Coupe
 K 47 Cutlass Calais Coupe
 M 47 Cutlass Supreme Brougham Coupe
 R 69 Cutlass "LS" Sedan
 M 69 Cutlass Brougham Sedan
 H 35 Cutlass Cruiser Brougham
 G 35 Cutlass Cruiser

B L 37 Delta 88 Coupe
 L 69 Delta 88 Sedan
 N 37 Delta 88 Royal Coupe
 N 69 Delta 88 Royal Sedan
 Y 37 Delta 88 Royal Brougham Coup
 Y 69 Delta 88 Royal Brougham Seda
 P 35 Custom Cruiser

C V 69 Ninety Eight Luxury Sedan
 X 37 Ninety Eight Regency Coupe
 X 69 Ninety Eight Regency Sedan

E Z 57 Toronado Brougham Coupe

1981 ATR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-197 Page 2
 Engine Family 13J9ZZGH Evaporative Family NA
 Engine CID (Liters) 350 (5.7)

Division
 Basic Body
 Trim
 Body Type

4 BUICK

A E 35 Century Wagon
 H 35 Century Estate Wagon
 J 47 Regal Coupe
 M 47 Regal Limited Coupe
 H 69 Century Sedan
 L 69 Century Limited Sedan

B N 37 LeSabre Coupe
 N 69 LeSabre Sedan
 P 37 LeSabre Limited Coupe
 P 69 LeSabre Limited Sedan
 R 35 LeSabre Estate Wagon
 V 35 Electra Estate Wagon

C W 37 Electra Park Avenue Coupe
 W 69 Electra Park Avenue Sedan
 X 37 Electra Limited Coupe
 X 69 Electra Limited Sedan

E Z 57 Riviera "Luxury"

6 CADILLAC

C D 47 Coupe deVille
 D 69 Sedan deVille
 B 47 Brougham Coupe
 B 69 Brougham Sedan

E L 57 Eldorado

K S 69 Seville

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT

Diesel-fueled Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-197 Pg. 3

Engine Family 13J9ZZGH Engine CID 350 (5.7) Transm. _____

Emission Control System EGR, (DI)

Eng. Code	Air Cond.	Diesel Injection Pump Mfgr. Part No.	Diesel Injector Nozzles Mfgr. Part No.	EGR System Valve Part No.	Test Wt. Class	Division	Basic Body	Trim	Body Type	Transmission	Tune-up Label Code	Rev. Notes
1	W&W/O	Stanadyne Hartford 22510364	D.E.D. 5233720 C.A.V. 22505294	17063944	4000	4	A	E	35	A-3	HDD	A A A A A
						2	A					
						3 4	A					
						3 4	A					
					4250	3	A	H	35	A		
						4	A					
						3 4	B					
						3	B					
					4500	2	B	L	37	B		
						2 4	B					
						3 4	C					
						3 4	C					
4750	1 2 3 4	B		35	B							
	6	C										
	6	C										
	6	C										
2	W	22510365			4250	3	E		57			
					4500	4 6	E		57			
						6	K		69			

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: 082980. Revisions: A. Models 2A & 4A added by RC 13-210, on 011481.