

2.0 Boat

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-196
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>
13J9ZZPH	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>
0.52	2.0	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 18th day of November, 1980.


K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-196 Page 1

Engine Family 13J9ZZPH 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

Division	Basic Body	Trim	Body Type	Model	
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
				69	Delta 88 Sedan
37	Delta 88 Royal Coupe				
69	Delta 88 Royal Sedan				
37	Delta 88 Royal Brougham Coupe				
69	Delta 88 Royal Brougham Sedan				
35	Custom Cruiser				
C	V	69	Ninety Eight Luxury Sedan		
		37	Ninety Eight Regency Coupe		
		69	Ninety Eight Regency Sedan		
E	Z	57	Toronado Brougham coupe		
		4	B	N	37
N	69			LeSabre Sedan	
P	37			LeSabre Limited Coupe	
P	69			LeSabre Limited Sedan	
R	35			LeSabre Estate Wagon	
V	35			Electra Estate Wagon	
A	H	69	Century Sedan		
		69	Century Limited Sedan		
		47	Regal Coupe		
		47	Regal Limited Coupe		
		35	Century Wagon		
H	35	Century Estate Wagon			
1	B	L	47	Impala Sport Coupe	
			69	Impala Sedan	
			47	Caprice Classic Sport Coupe	
			69	Caprice Classic Sedan	
			35	Impala Station Wagon	
			35	Caprice Classic Station Wagon	
			2	B	L
69	Catalina Sedan				
37	Bonneville Coupe				
69	Bonneville Sedan				
37	Bonneville Brougham Coupe				
69	Bonneville Brougham Sedan				
35	Catalina Safari Station Wagon				
35	Bonneville Safari Station Wagon				
2	A	D	69	LeMans Sdean	
			69	Grand LeMans Sedan	
			27	LeMans Coupe	
			27	Grand LeMans Coupe	
			37	Grand Prix	
			37	Grand Prix Brougham	
			35	LeMans Safari Station Wagon	
			35	Grand LeMans Safari Station Wagon	

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-196 Page 2

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Special Features

CCV-Combustion Chamber Valve
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 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

4 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 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

Issued: 112080.

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
 Diesel-fueled Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-196 Pg. 3

Engine Family 13J9ZZPH 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	Trans-mission	Tune-up Label Code	Rev. Notes
1	W & W/O	Stanadyne Hartford 22510360	D.E.D. 5233720 C.A.V. 22505294	17075598	4000	2	A		27	A-3	HYD	
						2	A		37			
						34	A		47			
						234	A		69			
					4250	234	A		35			
						34	B		37			
						1	B	L	47			
						1	B		69			
					4500	3	B		69			
						2	B	N	37			
1	B		69									
4750	2 4	B		69								
	34	C		69								
4250	1234	B		35								
	6	C		47								
	6	C		69								
4500	3	E		57								
	4 6	E		57								
	6	K		69								

Comments: See page one for abbreviations.
 Please refer to manufacturer's HP lists for correct dyno test HP settings based on model, equipment and frontal area.

Date of Issue: 112080. Revisions: