2.0 Board

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.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
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:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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	
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
2	A	D	69	LeMans Sdean
		F	69	Grand LeMans Sedan
		D	27	LeMans Coupe
		F	27	Grand LeMans Coupe
		J	37	Grand Prix
		K	37	Grand Prix Brougham
		D	35	LeMans Safari Station Wagon
		F	35	Grand LeMans Safari Station Wagon
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 Coupe
		Y	69	Delta 88 Royal Brougham Sedan
		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
4	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
	A	H	69	Century Sedan
		L	69	Century Limited Sedan
		J	47	Regal Coupe
		M	47	Regal Limited Coupe
		E	35	Century Wagon
		H	35	Century Estate Wagon

Issued: 112080.

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

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

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	
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		47			
						1	B	L	69			
						3	B		69			
					4500	2	B		37			
						1	B	N	69			
						2 4	B		69			
						34	C		69			
					4750	1234	B		35			
						6	C		47			
						6	C		69			
		225010361			4250	3	E		57			
					4500	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: