

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-226
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 1982 model-year General Motors Corporation exhaust emission control systems are certified as described below for diesel-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
C3G5.7D7ZZT6	350 (5.7)	Exhaust Gas Recirculation (Diesel Injection - Prechamber)

Vehicle Models, Transmissions, and Engine Codes as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1982 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.41	7.0	1.5

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.38	1.1	1.5

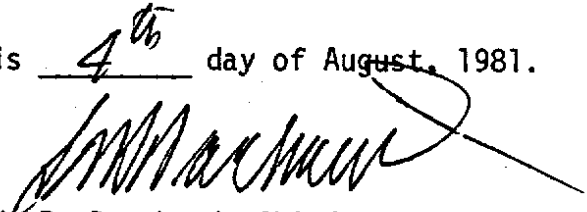
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

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 August, 1981.



K. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-226 Page 1
 Engine Family C3G5.7D7ZZT6 Evaporative Family NA
 Engine CID (Liters) 350 (5.7)

ABBREVIATIONS

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
 DID-Diesel Injection-System Direct
 DIP-Diesel Injection-Prechamber

Fuel System

CFI, CL, DID, DIP, EFI, MFI
 nV-nVenturi Carburetor
 VV-Variable Venturi

MFI-Mechanical Fuel Injection
 TC-Turbocharged

Division	Basic Body	Trim	Body Type		
<u>CHEVROLET</u>					
1	B	L	35	Impala Station Wagon	
			47	Impala Sport Coupe	
			69	Impala Sedan	
		N	35	Caprice Classic Station Wagon	
			47	Caprice Classic Sport Coupe	
			69	Caprice Classic Sedan	
		W	35	Malibu Classic Station Wagon	
			69	Malibu Classic Sedan	
		Z	37	Monte Carlo Sport Coupe	
<u>PONTIAC</u>					
2	G	J	37	Grand Prix	
		K	37	Grand Prix LJ	
		N	35	Bonneville Model "G" Wagon	
			69	Bonneville Model "G" Sedan	
		P	37	Grand Prix Brougham	
		R	69	Bonneville Model "G" Brougham Sedan	
<u>OLDSMOBILE</u>					
3	B	L	69	Delta 88 Sedan	
		N	37	Delta 88 Royale Coupe	
			69	Delta 88 Royale Sedan	
		P	35	Cutsom Cruiser Wagon	
		Y	37	Delta 88 Royale Brougham Coupe	
			69	Delta 88 Royale Brougham Sedan	
<u>BUICK</u>					
4	B	N	37	LeSabre Custom Coupe	
			69	LeSabre Custom Sedan	
		P	37	LeSabre Limited Coupe	
			69	LeSabre Limited Sedan	
		R	35	LeSabre Estate Wagon	
		Y	35	Electra Estate Wagon	
		C	W	37	Electra Park Avenue Coupe
			69	Electra Park Avenue Sedan	
		X	37	Electra Limited Coupe	
			69	Electra Limited Sedan	
		E	Z	57	Riviera "Luxury" Coupe
		G	J	35	Regal Estate Wagon
			J	47	Regal Coupe
			K	47	Regal Sport Coupe
			M	47	Regal Limited Coupe
			J	69	Regal Sedan
			M	69	Regal Limited Sedan

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-226 Page 2
 Engine Family C3G5.7D7ZZT6 Evaporative Family NA
 Engine CID (Liters) 350 (5.7)

Division	Basic Body	Trim	Body Type	
<u>CADILLAC</u>				
6	C	B	47	Brougham Coupe
			69	Brougham Sedan
		D	47	Coupe deVille
		69	Sedan deVille	X of 1st
	E	L	57	Eldorado
K	S	69	Seville	X

DRIVE SYSTEM: Rear Wheel except E,K bodies.
 Front Wheel - E,K bodies only.

ISSUED: 073181.

Engine Family C3G5.7D7ZZT6 Engine CID 350 Transm. _____

Emission Control System EGR (DIP)

Eng. Code	Air Cond.	Diesel Injection Pump Mfr. Part No.	Diesel Injector Nozzles Mfr. Part No.	EGR System Valve Part No.	Equivalent Test Weight	Division	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
1	W/WO	Stanadyne Hartford 22514074, 22517570	CAV 22505294 DED 5233720	Vacuum Mod. EGR 17075598	4000	12	G		37	A-3	OFD	BE
						34	G		47			
						1234	G		69			
					4250	3	B		37			
						1	B	L	47			
						1	B		69			
						3	B		69			
					4500	1234	G		35			
						4	B		37			
1	B	N	69									
4	B		69									
4750	34	C		37								
	34	C		69								
	1	B		35								
	34	B										
2				17082755	4750	1 34	B			OJD	BE	
3, 3A, 3B, C					4250	3	E		57	A-4	OFD	B CD
					4500	46 6	E K		57 69			
3D		22518487			4250	3	E		57			F
						4500	46 6	E K		57 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: 073181. Revisions: A. Opt. Inj. pump added by RC 23-230, on 112381.
 B. EC 1A, 2A, 3A added, by RC 23-252, on 113081. C. EC 3B added by RC 23-242; D. EC 3C added by RC 23-300, on 011282. E. EC 1A, 2A deleted by letter ML-2G408, F. EC 3D added by RC 23-388, on 031582.

AIR RESOURCES BOARD 1982 SUPPLEMENTAL DATA SHEET - GM FORMAT
 Diesel-fueled Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-226 Pg. 4

Engine Family C3G5.7D7ZZT6 Engine CID 350 Transm. _____

Emission Control System EGR (DIP)

Eng. Code	Air Cond.	Diesel Injection Pump Mfgr. Part No.	Diesel Injector Nozzles Mfgr. Part No.	EGR System Valve Part No.	Equivalent Test Weight	Division	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes				
7A	W/WO	Stanadyne Hartford 22514074 22517570	CAV 22505294 DED 5233720	17082755	4000	1 2	G		37	A-3	OFD	ABDE				
						3 4	G		47				B			
						1 23 4	G		69					BC		
							B		37						A-3,4	
						1	B	L	47							B
						1	B		69							
					1	B		69	A-4							
					3	B		69		A-3,4						
					1 23 4	E		57			A-4					
						G		35				A-3				
						B	N	37					A-3,4			
					4500	1	B	69						A-4		
	4	B	69	A-3,4												
	3 4	C	37		B											
	3 4	C	69			B										
	4	E	57				A-4									
	6	K	69					F								
	4750	1 3 4	B						35	A-3,4						
		6	C	47					B							
		6	C	69	B											

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: 100881. Revisions: A. EC 7 added by RC23-130, on 100881. B. A-3 trans. models added by RC23-165, on 100981. C. Opt. Inj. pump added, by RC 23-230, on 112381. D. EC 7A added, by RC 23-252, on 113081. E. EC 7 deleted by letter ML-2G408, F. 6K69 added, to correct omission, on 031582. See Pg 5, added 031582, for EC 9, 10.

AIR RESOURCES BOARD 1982 SUPPLEMENTAL DATA SHEET - GM FORMAT

Diesel-fueled Passenger Cars

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-226 Pg. 5

Engine Family C3G5.7D7ZZT6 Engine CID 350 Transm.

Emission Control System EGR (DIP)

Eng. Code	Air Cond.	Diesel Injection Pump Mfgr. Part No.	Diesel Injector Nozzles Mfgr. Part No.	EGR System Valve Part No.	Equivalent Test Weight	Division	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
9	W/WO	Stan adyne Hartford 22518487	CAV 22505294 DED 5233720	17082755	4000	1 2	G		37	A-3	OFD	A
						3 4	G		47			
						1 23 4	G		69			
					4250	1 3	B		37	A-3,4		
						1	B	L	47			
						3	B		69			
						1 23 4	G		69			
					4500	1 4	B	N	35	A-3		
						1	B		37			
						4	B		69			
4750	3 4	C		37	A-3,4							
	3 4	C		69								
10					4750	1 3 4	B		35			A
						6 6	C		47			

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: 031582. Revisions: A. EC 9,10 added by RC23-328, on 031582.