

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-569
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 1993 model General Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: P1G3.1W8MCF5 Displacement: 3.1 Liters (191 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Secondary Air Injection
- Exhaust Gas Recirculation
- Three Way Catalytic Converter
- Heated Oxygen Sensor
- Sequential Multiport Fuel Injection

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The certification exhaust emission standards for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.25	3.4	0.4
100,000	0.31	4.2	n/a

The certification exhaust emission values for this engine family in grams per mile are:

<u>Miles</u>	<u>Non-Methane Hydrocarbons</u>	<u>Carbon Monoxide</u>	<u>Nitrogen Oxides</u>
50,000	0.15	0.9	0.2
100,000	0.18	0.9	n/a

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "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 Code of Regulations, 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, and with the California Inspection and Maintenance emission standards in place at the time of certification, as stipulated in "California Exhaust Emission Standards and Test Procedures for 1988 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the "California Motor Vehicle Emission Control Label Specifications" (Title 13, California Code of Regulations, Section 1965) for the aforementioned model year.

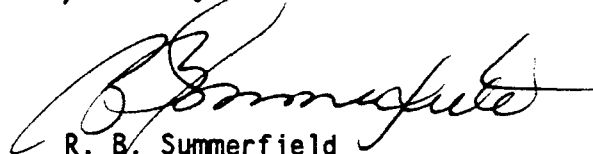
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Code of Regulations, Section 2035 et seq.).

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 15th day of June, 1992.


R. B. Summerfield
Assistant Division Chief
Mobile Source Division

AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

VEHICLE MODELS:

1 J C 3 7 (EXAMPLE)

Digit 1 - Selling Division

- 1 - Chevrolet
- 2 - Pontiac
- 3 - Oldsmobile
- 4 - Buick
- 6 - Cadillac
- 8 - Saturn

Digit 2 - Body Designation

- A - Cutlass Ciera, Cutlass Cruiser, Century, Century Wagon
- B - Caprice, Custom Cruiser, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster, Caprice Wagon
- C - Ninety-Eight, Park Avenue, DeVille, Fleetwood, Commercial Chassis, Coachbuilder Special
- D - Brougham, Limousine, Funeral Coach/Hearse
- E - Toronado, Riviera, Eldorado, Trofeo
- F - Camaro, Firebird, Trans Am
- H - Bonneville, Eighty-Eight, LeSabre
- J - Cavalier, Sunbird, Cavalier Wagon
- K - Seville
- L - Corsica, Beretta
- N - Grand Am, Achieva, Skylark
- T - Lemans
- V - Allante
- W - Grand Prix, Regal, Cutlass Supreme, Lumina
- Y - Corvette
- Z - Saturn

Digit 3 - Trim Level

B, C, D, E, F, G, H, J, K, M, N, L, P, R, S, T, U, V, W, X, Y, Z

Digits 4 & 5 - Body Style

- | | |
|----------------------------|----------------------------|
| 07 - 2Dr Sport Coupe | 57 - 2Dr Hardtop Coupe |
| 08 - 2Dr Hatchback Coupe | 67 - 2Dr Convertible Coupe |
| 19 - 4Dr Sedan | 68 - 4Dr Hatchback Sedan |
| 27 - 2Dr (Notchback Coupe) | 69 - 4Dr (Notchback) Sedan |
| 35 - 4Dr Station Wagon | 87 - 2Dr Hatchback Coupe |
| 37 - 2Dr Hardtop Coupe | 90 - Commercial Chassis |
| 47 - 2Dr Hardtop Coupe | 97 - 2Dr Hardtop Coupe |

ISSUED: 05-12-92
(ML-PP313)

REVISED:

17-P1G3.1W8MCF5-1
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G3.1W8MCF5

PASSENGER CARS X LIGHT DUTY TRUCKS ___ MEDIUM DUTY VEHICLES ___

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1S

ENGINE: FRONT X MID ___ REAR ___ DRIVE: FWD X RWD ___ 4WD-FT ___ 4WD-PT ___

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR/TWC/HO2S/SFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
51	3WH47	A	3500	16183461,	17090077,	25144086,
	3WR47		3625	16161521,	17091144,	25144057,
	3WH69			16161531,	17091147	10192654,
	3WR69		3750	16196891		25130428
	3WT67		4000			

ISSUED: 09-03-92
(ML-PR074)

REVISED: ML-PR155

17-P1G3.1W8MCF5-1.5
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.1W8MCF5
 PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES
 FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA
 ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1S
 ENGINE: FRONT X MID REAR DRIVE: FWD X RWD 4WD-FT 4WD-PT
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/TWC/HO2S/SFI
 DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
64	1WL27	A	3500	16149031	17090077, 17091144, 17091147	25144549, 25144086, 25130428, 10185149, 25131790
	2WJ37					
	3WH47					
	4WB57					
	4WD57					
	1WN27		3625			
	1WL69					
	1WN69					
	2WH19					
	2WJ19					
	2WP37					
	3WR47					
	4WB19					
	3WH69					
	4WD19					
	2WT19		3750			
	3WR69					
3WT67	4000					
64A		16184111, 16188541, 16190541				

ISSUED: 05-12-92 (ML-PP313)

REVISED: ML-PR043, PR095, PR098, PR121

17-P1G3.1W8MCF5-2 (1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: PIG3.1W8MCF5

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GAS STANDARDS TYPE: TIER 1 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1S

ENGINE: FRONT X MID REAR DRIVE: FWD X RWD 4WD-FT 4WD-PT

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: AIR/EGR/TWC/HO2S/SFI

DPA: SECTION 08.13.02.00

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (ECM/PCM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
64	1WL27	A	3500	16149031	17090077, 17091144, 17091147	25144549, 25144086, 25130428, 10185149, 25131790
	2WJ37					
	3WH47					
	4WB57					
	4WD57					
	1WN27					
	1WL69					
	1WN69					
	2WH19					
	2WJ19					
	2WP37					
	3WR47					
	4WB19					
	3WH69					
	4WD19					
64A	2WT19		3750			
	3WR69					
	3WT67		4000			
				16184111, 16186971		

ISSUED: 05-12-92
(ML-PP313)

REVISED: ML-PR043, PR095

17-PIG3.1W8MCF5-2
(1993)