

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-587
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: P4G1.9W5J817 Displacement: 1.9 Liters (116 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Oxygen Sensor
- Exhaust Gas Recirculation
- Three Way Catalytic Converter
- Throttle Body 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	0.17	2.0	0.3
100,000	0.21	2.5	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.

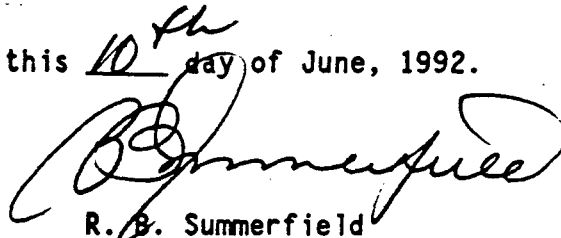
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 10th 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 - 6000, Cutlass Ciera, Cutlass Cruiser, Century
- B - Caprice, Custom Cruiser, Roadmaster Wagon, Coachbuilder Wagon, Roadmaster
- C - Ninety-Eight, Touring, Park Avenue, DeVille, Fleetwood, Commercial Chassis
- D - Brougham
- E - Toronado, Riviera, Eldorado, Trofeo
- F - Camaro, Firebird, Trans Am
- H - Bonneville, Eighty-Eight, LeSabre
- J - Cavalier, Sunbird
- 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 Coupe/Sedan

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: 03-06-92
(ML-PP218)

REVISED:

17-P4G1.9W5J817-1
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W5J817
 PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS
 ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PA0-4D
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, O2S, TWC, TBI
 ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___
 CERT STANDARDS: NMHC/CO/NOx: 0.25/3.4/0.4 (50K) NMHC/CO/NOx: 0.31/4.2/NA (100K)
 DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1	8ZH69 8ZH35 8ZF27	A4	2625	21021254/ECM 8514, PCM 8505	21000122	25145003 (MS 9397)
2	8ZH69 8ZH35 8ZF27		2750 2625			
3	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27	M5		21021252/8510		
4	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27		2750 2625			

ISSUED: 03-06-92
(ML-PP218)

REVISED: ML-PR033

17-P4G1.9W5J817-2
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W5J817
 PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS
 ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PA0-4D
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, O2S, TWC, TBI
 ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___
 CERT STANDARDS: NMHC/CO/NOx: 0.25/3.4/0.4 (50K) NMHC/CO/NOx: 0.31/4.2/NA (100K)
 DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1A	8ZH69 8ZH35 8ZF27	A4	2625	21022090/ECM 1467, PCM 1462	21000122	25145003 (MS 9397)
2A	8ZH69 8ZH35 8ZF27		2750 2625			
3A	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27	M5		21022088/1477		
4A	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27		2750 2625			

ISSUED: 06-10-92
(ML-PR020)

REVISED: ML-PR033

17-P4G1.9W5J817-2.1
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P4G1.9W5J817

PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS

ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PA0-4D

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, O2S, TWC, TBI

ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___

CERT STANDARDS: NMHC/CO/NOx: 0.25/3.4/0.4 (50K) NMHC/CO/NOx: 0.31/4.2/NA (100K)

DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
1B	8ZH69 8ZH35 8ZF27	A4	2625	21022246/ECM 3984, TCM 3294	21000122	25145003 (MS 9397)
2B	8ZH69 8ZH35 8ZF27		2750 2625			
3B	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27	M5		21022244/3322		
4B	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27					
1C	8ZH69 8ZH35 8ZF27	A4	2625	21022379/ECM 3984, TCM 8198		
2C	8ZH69 8ZH35 8ZF27		2750 2625			

ISSUED: 06-22-92
(ML-PR033)

REVISED: ML-PR033, PR093, PR104, PR139

17-P4G1.9W5J817-2.2
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P4G1.9W5J817
 PASSENGER CARS X LIGHT DUTY TRUCKS___ MEDIUM DUTY VEHICLES___ FUEL TYPE: GAS
 ENGINE CONFIG: I4 LITER (CID): 1.9 (116) EVAP FAMILY: PA0-4D
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR, O2S, TWC, TBI
 ENGINE: FRONT X MID___ REAR___ DRIVE: FWD X RWD___ 4WD-FT___ 4WD-PT___
 CERT STANDARDS: NMHC/CO/NOx: 0.25/3.4/0.4 (50K) NMHC/CO/NOx: 0.31/4.2/NA (100K)
 DPA & RLHP: SEE ATTACHMENT I

ENG CODE	VEH MODELS (SEE PAGE 1)	TRANS TYPE: A-AUTO M-MAN	EQUIV TEST WEIGHT	IGN SYSTEM (PCME/PROM) PART NO.	EGR SYSTEM PART NO.	CATALYST PART NO.
5	8ZH69 8ZH35 8ZF27	A4	2625	21022353/ECM 7393/TCM 7386	21000122	25145003 (MS 9397)
6	8ZH69 8ZH35 8ZF27		2750 2625			
7	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27	M5	2625	21022352/7388		
8	8ZG69 8ZF69 8ZG35 8ZF35 8ZE27					

ISSUED: 09-09-92
(ML-PR084)

REVISED: ML-PR093

17-P4G1.9W5J817-2.3
(1993)