

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-571-A
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: P1G3.4W8XGZX Displacement: 3.1 Liters (191 Cubic Inches)
3.4 Liters (208 Cubic Inches)

Exhaust Emission Control Systems and Special Features:

- Exhaust Gas Recirculation
- Three Way Catalytic Converter
- Oxygen Sensor
- Multiport Fuel Injection (3.1-Liter Engines)
- Sequential Multiport Fuel Injection (3.4-Liter Engines)

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 | 0.39 | 7.0 | 0.4 |

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 | 0.31 | 4.6 | 0.2 |

BE IT FURTHER RESOLVED: That the vehicle manufacturer is certifying to the 50,000-mile non-methane hydrocarbons and carbon monoxide standards based on its projected total sales of 1993 model California-certified passenger cars and light-duty trucks.

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.

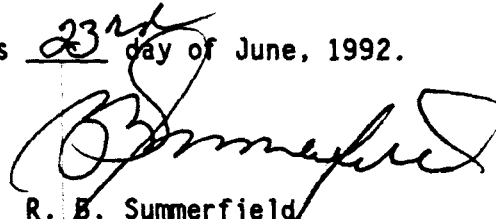
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 23rd 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: 04-30-92
(ML-PP287)

REVISED:

17-P1G3.4W8XGZX-1
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

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

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

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. |
|----------|----------------------------|--------------------------------|-------------------|-------------------------------------|------------------------------------|----------------------|
| 68 | 1WL27 | A | 3500 | 16149011 | 17090077, 17091144, 17091147 | 25104596 |
| | 1WL69 | | | | | |
| | 1WN27 | | | | | |
| | 1WN69 | | | | | |
| | 2WJ37 | | | | | |
| | 2WP37 | | | | | |
| | 2WJ19 | | | | | |
| | 2WH19 | | | | | |
| | 2WT19 | | | | | |
| | 3WH47 | | | | | |
| | 3WH69 | | | | | |
| | 3WR47 | | | | | |
| | 3WR69 | | | | | |
| | 3WT67 | | | | | |
| | 4WB57 | | | | | |
| | 4WD57 | | | | | |
| | 4WD19 | | | | | |
| 4WB19 | | | | | | |
| 68A | | | | 16190311 | | |

ISSUED: 04-20-92
(ML-PP287)

REVISED: ML-PR135

17-P1G3.4W8XGZX-2
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION ENGINE FAMILY: P1G3.4W8XGZX
 PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES
 FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA
 ENGINE CONFIG: V6 LITER (CID): 3.1 (191) EVAP FAMILY: PBO-1L
 ENGINE: FRONT X MID REAR DRIVE: FWD X RWD 4WD-FT 4WD-PT
 EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI
 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. |
|----------|----------------------------|--------------------------------|-------------------|-------------------------------------|------------------------|------------------------------------|
| 72 | 1LV37 | A | 3250 | 16176221, | 17090077, | 25104588, |
| | 1LW37 | | | 16176241, | 17091144, | 25128819, |
| | 1LZ37 | | | 16176261 | 17091147 | 25104590, |
| | 1LT69 | | 3250 | | | 25104592, |
| | 1JC37 | | 3000 | | | 25104600 |
| | 1JC69 | | 3125 | | | |
| | 1JC35 | | | | | |
| | 1JF37 | | | | | |
| | 2JB37 | | 3000 | | | |
| | 2JB67 | | 3250 | | | |
| | 1JC67 | | | | | |
| | 1JF67 | | | | | |
| | 2JB69 | | 3125 | | | |
| | 2JC69 | | | | | |
| | 2JD37 | | | | | |
| | 2JC37 | | 3000 | | | |
| | 72A | | | | | 16190151, 16190131, 16190251 |

ISSUED: 04-20-92
(ML-PP287)

REVISED: ML-PR038, PR135

17-P1G3.4W8XGZX-3
(1993)

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X

LIGHT DUTY TRUCKS

MEDIUM DUTY VEHICLES

FUEL TYPE: GASOLINE

STANDARDS TYPE: TIER 0

VEHICLE TYPE: NA

ENGINE CONFIG: V6

LITER (CID): 3.1 (191)

EVAP FAMILY: PB0-1L

ENGINE: FRONT X MID REAR

DRIVE: FWD X RWD 4WD-FT 4WD-PT

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

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. |
|----------|----------------------------|--------------------------------|-------------------|-------------------------------------|------------------------|----------------------|
| 74 | 1LV37 | M | 3250 | 16169841 | 17090077, | 25104588, |
| | 1LW37 | | | | 17091144, | 25128819, |
| | 1LZ37 | | | | 17091147 | 25104590, |
| | 1JC37 | | 3000 | | | 25104592, |
| | 1JC69 | | | | | |
| | 1JF37 | | 3125 | | | 25104600 |
| | 2JB37 | | | | | |
| | 2JB67 | | 3250 | | | |
| | 1JC67 | | | | | |
| | 1JF67 | | | | | |
| | 2JB69 | | 3000 | | | |
| | 2JC69 | | | | | |
| | 2JD37 | | 3125 | | | |
| | 2JC37 | | 3000 | | | |
| 74A | | | | 16181451 | | |
| 74B | | | | 16193211 | | |

ISSUED: 06-30-92
(ML-PR038)

REVISED: ML-PR087, PR135

17-P1G3.4W8XGZX-3.1
(1993)

(FOR CARB USE ONLY)

E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.4 (191) EVAP FAMILY: PBO-1L

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-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. |
|-------------|----------------------------|--------------------------------|-------------------------|-------------------------------------|------------------------------------|----------------------|
| 95 | 1FP87 2FS87 1FP67 | A | 3625 3750 | 16139781, 16186951, 16190521 | 17090077, 17091144, 17091147 | 25131046 |
| 95C | | | | 16194271 | | |
| 95D | | | | 16197831 | | |
| 95E | | | | 16198881 | | |

SUED: 04-30-92
(ML-PP287)

REVISED: ML-PR095, PR121, PR144, PR156, PR162

17-P1G3.4W8XGZX-4
(1993)

(FOR CARB USE ONLY)

E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

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

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-MFI

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. |
|-------------|----------------------------|--------------------------------|-------------------------|-------------------------------------|---------------------------|----------------------|
| 74 | 1LV37 | M | 3250 | 16169841 | 17090077, | 25104588, |
| | 1LW37 | | | | 17091144, | 25128819, |
| | 1LZ37 | | | | 17091147 | 25104590, |
| | 1JC37 | | 3000 | | | 25104592, |
| | 1JC69 | | | | | |
| | 1JF37 | | 3125 | | | 25104600 |
| | 2JB37 | | | | | |
| | 2JB67 | | 3250 | | | |
| | 1JC67 | | | | | |
| | 1JF67 | | | | | |
| | 2JB69 | | 3000 | | | |
| | 2JC69 | | | | | |
| | 2JD37 | | 3125 | | | |
| | 2JC37 | | 3000 | | | |

74A

16181451

ISSUED: 06-30-92
(ML-PR038)

REVISED: ML-PR087

17-P1G3.4W8XGZX-3.1
(1993)

(FOR CARB USE ONLY)

E.O. #A-6-571A

1993 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: P1G3.4W8XGZX

PASSENGER CARS X LIGHT DUTY TRUCKS MEDIUM DUTY VEHICLES

FUEL TYPE: GASOLINE STANDARDS TYPE: TIER 0 VEHICLE TYPE: NA

ENGINE CONFIG: V6 LITER (CID): 3.4 (191) EVAP FAMILY: PBO-1L

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

EMISSION CONTROL SYSTEM & SPECIAL FEATURES: EGR-TWC-02S-SFI

DPA: SECTION 08.13.02.00

| ENG CODE | VEH MODELS (SEE PAGE 1) | TRANS TYPE: | | EQUIV TEST WEIGHT | IGN SYSTEM (ECM/PCM) PART NO. | EGR SYSTEM PART NO. | CATALYST PART NO. |
|-------------|----------------------------|-------------|-------|-------------------------|-------------------------------------|------------------------------------|----------------------|
| | | A-AUTO | M-MAN | | | | |
| 95 | 1FP87 2FS87 1FP67 | A | | 3625 3750 | 16139781, 16186951, 16190521 | 17090077, 17091144, 17091147 | 25131046 |

ISSUED: 04-30-92
(ML-PP287)

REVISED: ML-PR095, PR121

17-P1G3.4W8XGZX-4
(1993)