

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-538  
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 1992 model General Motors Corporation exhaust emission control systems are certified as described below for passenger cars:

Fuel Type: Gasoline

Engine Family: N4G1.9V5JPH5 Displacement: 1.9 Liters (116 Cu. In.)

Exhaust Emission Control Systems and Special Features:

- Three-Way Catalyst
- Oxygen Sensor
- Exhaust Gas Recirculation
- Throttle Body Electronic Fuel Injection

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

The following are the emission standards for this engine family:

| <u>Hydrocarbons</u><br><u>(Grams per Mile)</u> | <u>Carbon Monoxide</u><br><u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u><br><u>(Grams per Mile)</u> |
|--|---|---|
| 0.39   | 7.0   | 0.4   |

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

| <u>Hydrocarbons</u><br><u>(Grams per Mile)</u> | <u>Carbon Monoxide</u><br><u>(Grams per Mile)</u> | <u>Nitrogen Oxides</u><br><u>(Grams per Mile)</u> |
|--|---|---|
| 0.16   | 1.9   | 0.1   |

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with "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 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.

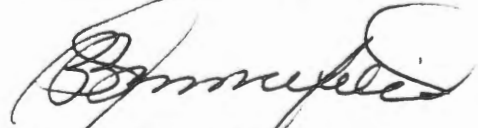
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 provisions (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 15<sup>th</sup> day of May, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

(FOR CARB USE ONLY)

16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY..... N4G1.9V5JPH5

EVAPORATIVE FAMILY..... NAO-4B

CARLINES TO BE COVERED:

| CARLINE NAME | CARLINE CODE |
|--------------|--------------|
| SL           | 37320        |

ISSUED: 04-23-91  
(ML-NP265)

16-N4G1.9V5JPH5-2

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, Reatta, 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: 04-23-91  
(ML-NP265)

REVISED:

17-N4G1.9V5JPH5-1  
(1992)

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N4G1.9V8JPD2

PASSENGER CARS X LIGHT DUTY TRUCKS\_\_\_ MEDIUM DUTY VEHICLES\_\_\_ FUEL TYPE: GAS

ENGINE CONFIG: L4 LITER (CID): 1.9 (116) EVAP FAMILY: NAO-4A

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

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

CERTIFICATION STANDARDS: .39 HC, .4 NOx DPA & RLHP: SEE ATTACHMENT I

| ENG CODE | VEH MODELS<br>(SEE PAGE 1) | TRANS TYPE:<br>A-AUTO<br>M-MAN | EQUIV TEST WEIGHT | IGN SYSTEM<br>(PCME/PROM)<br>PART NO. | EGR SYSTEM<br>PART NO. | CATALYST<br>PART NO.  |
|----------|----------------------------|--------------------------------|-------------------|---------------------------------------|------------------------|-----------------------|
| 1        | 8ZH27<br>8ZK69             | A4                             | 2750              | 21021317/ECM<br>6089, TCM 6090        | 21000505               | 25128076<br>(MS 9307) |
| 1A       |                            |                                |                   | 21021597/ECM<br>8488, TCM 8489        |                        |                       |
| 1B       |                            |                                |                   | 21021702/ECM<br>8488, TCM 0753        |                        |                       |
| 1C       |                            |                                |                   | 21021814/ECM<br>8488, TCM 2548        |                        |                       |
| 2        | 8ZH27<br>8ZK69             |                                |                   | 21021317/ECM<br>6089, TCM 6090        |                        |                       |
| 2A       |                            |                                |                   | 21021597/ECM<br>8488, TCM 8489        |                        |                       |
| 2B       |                            |                                |                   | 21021702/ECM<br>8488, TCM 0753        |                        |                       |
| 2C       |                            |                                |                   | 21021814/ECM<br>8488, TCM 2548        |                        |                       |

ISSUED: 05-09-91  
(ML-NP268)

REVISED: ML-NR041, NR052, NR076

17-N4G1.9V8JPD2-2  
(1992)

1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N4G1.9V8JPD2

PASSENGER CARS X LIGHT DUTY TRUCKS\_\_\_ MEDIUM DUTY VEHICLES\_\_\_ FUEL TYPE: GAS

ENGINE CONFIG: L4 LITER (CID): 1.9 (116) EVAP FAMILY: NAO-4A

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

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

CERTIFICATION STANDARDS: .39 HC, .4 NOx DPA & RLHP: SEE ATTACHMENT I

| ENG CODE | VEH MODELS<br>(SEE PAGE 1) | TRANS TYPE:<br>A-AUTO<br>M-MAN | EQUIV TEST WEIGHT | IGN SYSTEM<br>(PCME/PROM)<br>PART NO. | EGR SYSTEM<br>PART NO. | CATALYST<br>PART NO.  |
|----------|----------------------------|--------------------------------|-------------------|---------------------------------------|------------------------|-----------------------|
| 3        | 8ZG27<br>8ZJ69             | M4                             | 2750              | 21021315/6086                         | 21000505               | 25128076<br>(MS 9307) |
| 3A       |                            |                                |                   | 21021595/8676                         |                        |                       |
| 4        | 8ZG27<br>8ZJ69             |                                |                   | 21021315/6086                         |                        |                       |
| 4A       |                            |                                |                   | 21021595/8676                         |                        |                       |

ISSUED: 08-15-91  
(ML-NR076)

REVISED:

17-N4G1.9V8JPD2-2.1  
(1992)

DYNAMOMETER HORSEPOWERS AND TIMES

1992 MODEL YEAR PASSENGER CARS

| Body Style | Test Weight Classes | 50mph .w/o AC Factor.. |       |       | .with AC Factor. .... |       |       | Highest Volume Tire..... |           |        | TPC     | Disc  | Ltr   | No Flag |
|------------|---------------------|------------------------|-------|-------|-----------------------|-------|-------|--------------------------|-----------|--------|---------|-------|-------|---------|
|            |                     | Road                   | Load  | Dyno  | Down                  | Upper | Dyno  | Down                     | Upper     | Drive  |         |       |       |         |
|            |                     | Hp                     | Hp    | Time  | Limit                 | Hp    | Time  | Limit                    | Tire Size | Fabric | Mfg No. | Code  |       |         |
| *****      | *****               | *****                  | ***** | ***** | *****                 | ***** | ***** | *****                    | *****     | *****  | *****   | ***** | ***** | *****   |

\*\*\*\*\* Z BODY (FWD)(continued) \*\*\*\*\*

SATURN SL SEDAN - man. trans (8ZF69)  
 SATURN SL1 SEDAN - man. trans (8ZG69)

Carlina Codes: 37320  
 37320

\*\*\*\*\* Z BODY (FWD) \*\*\*\*\*

SATURN SL1 SEDAN - auto trans (8ZM69)

Carlina Codes: 37320

|                    |           |       |     |       |       |     |       |       |            |           |            |          |
|--------------------|-----------|-------|-----|-------|-------|-----|-------|-------|------------|-----------|------------|----------|
| FIR P175/70R14 ALS | 2750 Only | 10.73 | 5.8 | 15.79 | 16.89 | 6.4 | 14.98 | 16.02 | P175/70R14 | ALS STEEL | FIR 1101MS | 006A NEW |
| FIR P175/70R14 ALS | 0-2625    | 10.72 | 5.8 | 15.15 | 16.21 | 6.4 | 14.42 | 15.42 | P175/70R14 | ALS STEEL | FIR 1101MS | 008A NEW |
| LOWER TWC          | 2500      |       | 5.8 | 14.43 | 15.43 | 6.4 | 13.73 | 14.69 |            |           |            |          |