

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-528  
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-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

Engine Family: N1G2.5W5XGG3 Displacement: 2.5 Liters (151 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> |
|------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| 0.41                                           | 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> |
|------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| 0.18                                           | 2.7                                               | 0.2                                               |

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.

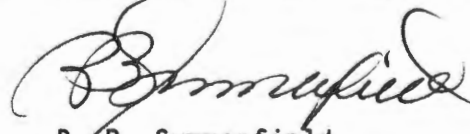
BE IT FURTHER RESOLVED: That the vehicle models listed also comply with the requirements of the "Malfunction and Diagnostic System for 1988 and Subsequent Model Year[s]..." (Title 13, California Code of Regulations, Section 1968) for the aforementioned model year.

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 (California Health and Safety Code Section 43205).

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 6<sup>th</sup> day of February, 1991.



R. B. Summerfield  
Assistant Division Chief  
Mobile Source Division

(FOR CARB USE ONLY)

16.03.00.00

EXECUTIVE ORDER INFORMATION

ENGINE FAMILY..... N1G2.5W5XGG3

EVAPORATIVE FAMILY..... NBO-1B

CARLINES TO BE COVERED:

CARLINE NAME

CARLINE CODE

LUMINA

12050

ISSUED: 11-01-90  
(ML-NP060)

16-N1G2.5W5XGG3-2

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: 11-01-90  
(ML-NP060)

REVISED:

17-N1G2.5W5XGG3-3  
(1992)

## 1992 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

MANUFACTURER: GENERAL MOTORS CORPORATION

ENGINE FAMILY: N1G2.5W5XGG3

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

ENGINE TYPE: I4 LITER (CID): 2.5 (151) EVAP FAMILY: NBO-1B

EMISSION CONTROL SYSTEM &amp; SPECIAL FEATURES: EGR/TWC/O2S (OBD, TBI)

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

CERTIFICATION STANDARDS: 0.41 HC, 7.0 CO, 0.4 NOx

RLHP: SEE ATTACHMENT I

| ENG<br>CODE | VEH MODELS<br>(SEE PAGE 1) | TRANS TYPE:<br>A-AUTO<br>M-MAN | EQUIV<br>TEST<br>WEIGHT | IGN SYSTEM<br>(PCME/PROM)<br>PART NO. | EGR<br>SYSTEM<br>PART NO. | CATALYST<br>PART NO. |
|-------------|----------------------------|--------------------------------|-------------------------|---------------------------------------|---------------------------|----------------------|
| 51          | 1WL27<br>1WL69             | A3                             | 3375                    | 16140231/APTW                         | 17090078                  | 25104596             |

ISSUED: 11-01-90  
(ML-NP060)

REVISED:

17-N1G2.5W5XGG3-2  
(1992)

## TEST HORSEPOWER VALUES

| Body Style                           | Test<br>Weight<br>Classes | 50mph<br>Road<br>Load<br>Hp | without.AC<br>Coast<br>Dyno Down<br>Hp Time | with..AC.<br>Coast<br>Dyno Down<br>Hp Time | CD,<br>CA<br>or<br>FA |
|--------------------------------------|---------------------------|-----------------------------|---------------------------------------------|--------------------------------------------|-----------------------|
| ***** W BODY (FWD) (continued) ***** |                           |                             |                                             |                                            |                       |
| CHEVROLET LUMINA (1W_69)             |                           |                             |                                             |                                            |                       |
| PONTIAC GRAND PRIX (2W_19)           |                           |                             |                                             |                                            |                       |
| OLDSMOBILE CUTLASS SUPREME (3W_69)   |                           |                             |                                             |                                            |                       |
| BUICK REGAL (4W_19)                  |                           |                             |                                             |                                            |                       |
| w/auto tran & P195/75R14 ALS         | 0-3625                    | 11.57                       | 5.5 19.28                                   | 6.0 18.41                                  | CA                    |
| w/man. tran & P195/75R14 ALS         | 0-3625                    | 11.07                       | 5.5 20.15                                   | 6.0 19.20                                  | CA                    |
| w/auto tran & P205/70R14 ALS         | 0-3625                    | 11.91                       | 5.5 18.74                                   | 6.0 17.91                                  | CA                    |
| w/man. tran & P205/70R14 ALS         | 0-3625                    | 11.41                       | 5.5 19.56                                   | 6.0 18.65                                  | CA                    |
| w/auto tran & P195/70R15 AL3         | 0-3625                    | 12.62                       | 4.5 17.68                                   | 5.0 17.07                                  | CA                    |
| w/man. tran & P195/70R15 AL3         | 0-3625                    | 12.12                       | 4.5 18.41                                   | 5.0 17.75                                  | CA                    |
| w/auto tran & P205/65R15 AL2         | 3625-3750                 | 12.12                       | 5.9 19.03                                   | 6.4 18.25                                  | CA                    |
| w/auto tran & P205/65R15 AL2         | 0-3500                    | 11.90                       | 5.7 18.11                                   | 6.2 17.29                                  | CA                    |
| w/man. tran & P205/65R15 AL2         | 3625-3750                 | 11.62                       | 5.9 19.85                                   | 6.4 18.90                                  | CA                    |
| w/man. tran & P205/65R15 AL2         | 0-3500                    | 11.40                       | 5.7 18.90                                   | 6.2 18.01                                  | CA                    |
| w/auto tran & P205/70R15 ALS         | 3625-3750                 | 11.52                       | 6.0 20.03                                   | 6.7 19.03                                  | CA                    |
| w/auto tran & P205/70R15 ALS         | 0-3500                    | 11.34                       | 5.9 19.01                                   | 6.5 18.07                                  | CA                    |
| w/man. tran & P205/70R15 ALS         | 3625-3750                 | 11.02                       | 6.0 20.94                                   | 6.7 19.85                                  | CA                    |
| w/man. tran & P205/70R15 ALS         | 0-3500                    | 10.84                       | 5.9 19.89                                   | 6.5 18.86                                  | CA                    |
| w/auto tran & P215/65R15 AL3         | 3625-3750                 | 12.96                       | 4.5 17.80                                   | 5.0 17.20                                  | CA                    |
| w/auto tran & P215/65R15 AL3         | 0-3500                    | 12.72                       | 4.3 16.95                                   | 4.7 16.40                                  | CA                    |
| w/man. tran & P215/65R15 AL3         | 3625-3750                 | 12.46                       | 4.5 18.51                                   | 5.0 17.87                                  | CA                    |
| w/man. tran & P215/65R15 AL3         | 0-3500                    | 12.22                       | 4.3 17.65                                   | 4.7 17.04                                  | CA                    |
| w/auto tran & P215/60R16 AL2         | 3625-3750                 | 12.84                       | 5.4 17.98                                   | 5.9 17.25                                  | CA                    |
| w/auto tran & P215/60R16 AL2         | 0-3500                    | 12.59                       | 5.2 17.12                                   | 5.7 16.44                                  | CA                    |
| w/man. tran & P215/60R16 AL2         | 3625-3750                 | 12.34                       | 5.4 18.70                                   | 5.9 17.92                                  | CA                    |
| w/man. tran & P215/60R16 AL2         | 0-3500                    | 12.09                       | 5.2 17.83                                   | 5.7 17.09                                  | CA                    |
| w/auto tran & P215/60R16 AL3         | 3625-3750                 | 12.97                       | 4.8 17.79                                   | 5.2 17.16                                  | CA                    |
| w/auto tran & P215/60R16 AL3         | 0-3500                    | 12.73                       | 4.5 16.94                                   | 5.0 16.35                                  | CA                    |
| w/man. tran & P215/60R16 AL3         | 3625-3750                 | 12.47                       | 4.8 18.51                                   | 5.2 17.83                                  | CA                    |
| w/man. tran & P215/60R16 AL3         | 0-3500                    | 12.23                       | 4.5 17.63                                   | 5.0 17.00                                  | CA                    |

ISSUED:

REV. NO.:

TEST HORSEPOWER VALUES  
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| Body Style                         | Test<br>Weight<br>Classes | 50mph<br>Road<br>Load<br>Hp | without.AC<br>Coast<br>Dyno Down<br>Hp Time | .with..AC.<br>Coast<br>Dyno Down<br>Hp Time | CD,<br>CA<br>or<br>FA |
|------------------------------------|---------------------------|-----------------------------|---------------------------------------------|---------------------------------------------|-----------------------|
| -----                              | -----                     | -----                       | -----                                       | -----                                       | ---                   |
| ***** W BODY (FWD) *****           |                           |                             |                                             |                                             |                       |
| CHEVROLET LUMINA (1W_27)           |                           |                             |                                             |                                             |                       |
| PONTIAC GRAND PRIX (2W_37)         |                           |                             |                                             |                                             |                       |
| OLDSMOBILE CUTLASS SUPREME (3W_47) |                           |                             |                                             |                                             |                       |
| BUICK REGAL (4W_57)                |                           |                             |                                             |                                             |                       |
| man. tran & (P195/75&P205/70)R14   | 3625 Only                 | 10.84                       | 5.1 20.58                                   | 5.6 19.67                                   | CA                    |
| man. tran & (P195/75&P205/70)R14   | 0-3500                    | 10.60                       | 5.1 20.37                                   | 5.6 19.57                                   | CA                    |
| auto tran & (P195/75&P205/70)R14   | 3625 Only                 | 11.34                       | 5.1 19.67                                   | 5.6 18.84                                   | CA                    |
| auto tran & (P195/75&P205/70)R14   | 0-3500                    | 11.10                       | 5.1 19.45                                   | 5.6 18.64                                   | CA                    |
| w/man. tran & P195/70R15 AL3       | 3625 Only                 | 12.00                       | 4.1 18.58                                   | 4.5 17.96                                   | CA                    |
| w/man. tran & P195/70R15 AL3       | 0-3500                    | 11.78                       | 4.1 18.33                                   | 4.5 17.61                                   | CA                    |
| w/auto tran & P195/70R15 AL3       | 3625 Only                 | 12.50                       | 4.1 17.84                                   | 4.5 17.26                                   | CA                    |
| w/auto tran & P195/70R15 AL3       | 0-3500                    | 12.28                       | 4.1 17.58                                   | 4.5 16.89                                   | CA                    |
| w/man. tran & P205/65R15 AL2       | 3625 Only                 | 11.17                       | 5.4 19.98                                   | 5.9 19.18                                   | CA                    |
| w/man. tran & P205/65R15 AL2       | 0-3500                    | 11.11                       | 5.4 19.41                                   | 5.9 18.62                                   | CA                    |
| w/auto tran & P205/65R15 AL2       | 3625 Only                 | 11.67                       | 5.4 19.13                                   | 5.9 18.39                                   | CA                    |
| w/auto tran & P205/65R15 AL2       | 0-3500                    | 11.61                       | 5.4 18.57                                   | 5.9 17.84                                   | CA                    |
| w/man. tran & P205/70R15 ALS       | 3625 Only                 | 10.84                       | 5.1 20.58                                   | 5.6 19.67                                   | CA                    |
| w/man. tran & P205/70R15 ALS       | 0-3500                    | 10.60                       | 5.1 20.37                                   | 5.6 19.57                                   | CA                    |
| w/auto tran & P205/70R15 ALS       | 3625 Only                 | 11.34                       | 5.1 19.67                                   | 5.6 18.84                                   | CA                    |
| w/auto tran & P205/70R15 ALS       | 0-3500                    | 11.10                       | 5.1 19.45                                   | 5.6 18.64                                   | CA                    |
| w/man. tran & P215/65R15 AL3       | 3625 Only                 | 12.07                       | 4.1 18.47                                   | 4.5 17.87                                   | CA                    |
| w/man. tran & P215/65R15 AL3       | 0-3500                    | 11.89                       | 4.1 18.16                                   | 4.5 17.61                                   | CA                    |
| w/auto tran & P215/65R15 AL3       | 3625 Only                 | 12.57                       | 4.1 17.74                                   | 4.5 17.18                                   | CA                    |
| w/auto tran & P215/65R15 AL3       | 0-3500                    | 12.39                       | 4.1 17.43                                   | 4.5 16.92                                   | CA                    |
| w/man. tran & P215/60R16 AL2       | 3625 Only                 | 11.86                       | 4.9 18.81                                   | 5.4 18.07                                   | CA                    |
| w/man. tran & P215/60R16 AL2       | 0-3500                    | 11.80                       | 4.9 18.28                                   | 5.4 17.55                                   | CA                    |
| w/auto tran & P215/60R16 AL2       | 3625 Only                 | 12.36                       | 4.9 18.05                                   | 5.4 17.37                                   | CA                    |
| w/auto tran & P215/60R16 AL2       | 0-3500                    | 12.30                       | 4.9 17.53                                   | 5.4 16.86                                   | CA                    |
| w/man. tran & P215/60R16 AL3       | 3625 Only                 | 12.00                       | 4.6 18.60                                   | 5.1 17.92                                   | CA                    |
| w/man. tran & P215/60R16 AL3       | 0-3500                    | 11.93                       | 4.6 18.07                                   | 5.1 17.39                                   | CA                    |
| w/auto tran & P215/60R16 AL3       | 3625 Only                 | 12.50                       | 4.6 17.86                                   | 5.1 17.23                                   | CA                    |
| w/auto tran & P215/60R16 AL3       | 0-3500                    | 12.43                       | 4.6 17.35                                   | 5.1 16.72                                   | CA                    |

ISSUED:

REV. NO.: