

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-269
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 1984 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars:

| <u>Engine Family</u> | <u>Displacement Cubic Inches (Liters)</u> | <u>Exhaust Emission Control Systems (Special Features)</u> |
|----------------------|---|---|
| E1G2.0W5XAJX | 121 (2.0) | Air Injection - Valve Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central Fuel Injection) |

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

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles":

| <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|---|---|
| 0.39 | 7.0 | 0.7 |

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

| <u>Hydrocarbons Grams per Mile</u> | <u>Carbon Monoxide Grams per Mile</u> | <u>Nitrogen Oxides Grams per Mile</u> |
|--|---|---|
| 0.11 | 1.8 | 0.4 |

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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 Administrative Code, Section 2290) for the aforementioned model-year.

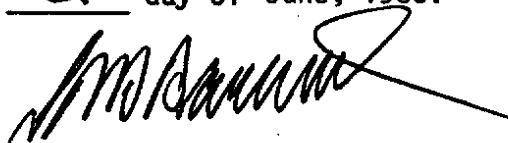
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That the Executive Officer has been provided all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 28th day of June, 1983.


K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-269 Page 1
 Engine Family E1G2.0W5XAJX Evaporative Family 4B0-1F
 Engine CID (Liters) 121 (2.0)

ABBREVIATIONS

| | | |
|---|-------------------------------|---------------------------------|
| <u>Ignition System</u> | <u>Headings</u> | <u>Special Features</u> |
| CA-Centrifugal Advance | AIR COND-Air Conditioning | CCV-Combustion Chamber Valve |
| EEC-Electronic Engine Control | BB-Basic Body | CFI-Central Fuel Injection |
| EI-Electronic Ignition | BT-Body Type | DID-Diesel Injection-Direct |
| ESAC-Electronic Spark Advance Control | DI-Diesel Injection | DIP-Diesel Injection-Prechamber |
| VA-Vacuum Advance | DIN-Diesel Injector Nozzles | MFI-Mechanical Fuel Injection |
| VR-Vacuum Retard | DIV-Division | TC-Turbocharged |
| | ECM-Electronic Control Module | TBI-Throttle Body Injection |
| | ETW-Equivalent Test Weight | |
| <u>Exhaust Emissions Control System</u> | TLC-Tune-Up Label Code | |
| AIP-Air Injection-Pump | TNS-Transmission | |
| AIV-Air Injection-Valve | TM-Trim | |
| CL-Closed Loop | | |
| EGR-Exhaust Gas Recirculation | <u>Fuel System</u> | |
| EM-Engine Modification | CFI, CL, DID, MFI, TBI | |
| OC-Oxidation Catalyst System | nV-nVenturi Carburetor | |
| TR-Thermal Reactor | VV-Variable Venturi | |
| TWC-Three Way Catalyst System | | |

| <u>DIV</u> | <u>BB</u> | <u>TM</u> | <u>BT</u> | <u>MODEL NAME</u> | <u>DIV</u> | <u>BB</u> | <u>TM</u> | <u>BT</u> | <u>MODEL NAME</u> |
|------------|-----------|-----------|-----------|----------------------------|------------|-----------|-----------|-----------|-------------------------|
| | | | | CHEVROLET | 2 | | | | PONTIAC |
| | J | C | 35 | Cavalier Station Wagon | | J | B | 27 | 2000 Coupe |
| | | | 69 | Cavalier Sedan | | | | 69 | 2000 Sedan |
| | | D | 35 | Cavalier Station Wagon | | | | 77 | 2000 Hatchback Coupe |
| | | | 69 | Cavalier Sedan | | | C | 27 | 2000 LE Coupe |
| | | E | 27 | Cavalier Type 10 Coupe | | | | 35 | 2000 LE Wagon |
| | | | 67 | Cavalier Convertible | | | | 69 | 2000 LE Sedan |
| | | | 77 | Cavalier Type 10 Hatchback | | | D | 77 | 2000 SE Hatchback Coupe |
| 3 | | | | OLDSMOBILE | 4 | | | | BUICK |
| | J | C | 35 | Firenza Cruiser Wagon | | J | E | 27 | Skyhawk "T-Type" Coupe |
| | | | 69 | Firenza | | | S | 27 | Skyhawk Custom Coupe |
| | | | 77 | Firenza S | | | | 35 | Skyhawk Custom Wagon |
| | | D | 35 | Firenza Cruiser LX Wagon | | | | 69 | Skyhawk Custom Sedan |
| | | | 69 | Firenza LX | | | T | 27 | Skyhawk Limited Coupe |
| | | | 77 | Firenza SX | | | | 35 | Skyhawk Limited Wagon |
| | | | | | | | | 69 | Skyhawk Limited Sedan |
| 6 | | | | CADILLAC | | | | | |
| | J | G | 69 | Cimarron Sedan | | | | | |

DRIVE AXLE: Front Wheel Drive

ISSUED:

REVISIONS:

0185W

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-269 Page 2
Engine Family E1G2.0W5XAJX Exhaust Emission Control System AIV-EGR-TWC-CL (CFI)

| ENG. CID | ENG. CODE | AIR COND | ECM PART NO. | TBI ASM PART NO. | EGR VALVE PART NO. | ETW | DIV | B | T | BT | TNS | TLC | REV. NOTES |
|----------|-----------|----------|--------------|------------------|--------------------|------|------|---|---|----|-----|-----|------------|
| 121 | 21 | W & WO | 16028321 | 17084083 | 17083778 | 2750 | 12 4 | J | | 27 | M-4 | XNM | |
| | | | | | | | 1 | J | | 69 | | | |
| | | | | | | | 2 | J | B | 69 | | | |
| | | | | | | | 1 | J | | 77 | | | |
| | | | | | | | 2 | J | B | 77 | | | |
| | | | | | | 2875 | 4 | J | E | 27 | | | |
| | | | | | | | 123 | J | | 35 | | | |
| | | | | | | | 4 | J | S | 35 | | | |
| | | | | | | | 1 | J | | 67 | | | |
| | | | | | | | 2 | J | C | 69 | | | |
| | | | | | | | 34 | J | | 69 | | | |
| | | | | | | | 2 | J | D | 77 | | | |
| | | | | | | | 3 | J | | 77 | | | |
| | | | | | | 3000 | 4 | J | T | 35 | | | |
| | | | | | | 2750 | 1 4 | J | | 27 | M-5 | | |
| | | | | | | | 1 | J | | 69 | | | |
| | | | | | | | 1 | J | | 77 | | | |
| | | | | | | 2875 | 4 | J | E | 27 | | | |
| | | | | | | | 1 3 | J | | 35 | | | |
| | | | | | | | 4 | J | S | 35 | | | |
| | | | | | | | 1 | J | | 67 | | | |
| | | | | | | | 346 | J | | 69 | | | |
| | | | | | | | 3 | J | | 77 | | | |
| | | | | | | 3000 | 4 | J | T | 35 | | | |
| | | | | | | 2750 | 1 | J | | 27 | A-3 | | |
| | | | | | | 2875 | 4 | J | | 27 | | | |
| | | | | | | | 1 | J | | 35 | | | |
| | | | | | | | 1 4 | J | | 69 | | | |
| | | | | | | | 1 | J | | 77 | | | |
| | | | | | | 3000 | 4 | J | | 35 | | | |
| | | | | | | | 1 | J | | 67 | | | |

31 16028341 17084082

Comments: See page one for abbreviations and evaporative emission family identification
Please refer to manufacturer's HP lists for correct dyno test HP settings
based on model, equipment and frontal area.

ISSUED: REVISIONS:

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-269 Page 3

Engine Family E1G2.0W5XAJX Exhaust Emission Control System AIV-EGR-TWC-CL (CFI)

| ENG. CID | ENG. CODE | AIR COND | ECM PART NO. | TBI ASM PART NO. | EGR VALVE PART NO. | ETW | DIV | B B | T M | BT | TNS | TLC | REV. NOTES |
|----------|-----------|----------|--------------|------------------|--------------------|------|-----|-----|-----|----|-----|-----|------------|
| 121 | 33 | W & W/O | 16028361 | 17084082 | 17083778 | 2750 | 1 | J | | 27 | A-3 | XNM | |
| | | | | | | 2875 | 4 | J | | 27 | | | |
| | | | | | | | 1 | J | | 35 | | | |
| | | | | | | | 1 | 4 | J | 69 | | | |
| | | | | | | | 1 | J | | 77 | | | |
| | | | | | | 3000 | 4 | J | | 35 | | | |
| | | | | | | | 1 | J | | 67 | | | |
| | | | | | | 2875 | 3 | J | | 69 | | | |
| | | | | | | | 3 | J | | 77 | | | |
| | | | | | | 3000 | 3 | J | | 35 | | | |
| | | | | | | | 6 | J | | 69 | | | |

35

16028421

Comments: See page one for abbreviations and evaporative emission family identification
Please refer to manufacturer's HP lists for correct dyno test HP settings
based on model, equipment and frontal area.

ISSUED:

REVISIONS: