State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-216-1
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 Order G-45-3, and G-45-4;

IT IS ORDERED AND RESOLVED: That 1982 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars.

| Engine Family | Displacement Cubic Inches (Liters) | | Exhaust Emission Control Systems (Special Features) |
|---|---|---|---|
| C1G5.7W5NBM7 | 305, 350 | (5.0, 5.7) | Air Injection - Pump<br>Exhaust Gas Recirculation<br>Three-Way Catalyst System Closed Loop<br>(Central Fuel Injection) |

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1982 model-year vehicles:

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|
| 0.39 | 7.0 | 0.7 |

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

| Hydrocarbons Grams per Mile | Carbon Monoxide Grams per Mile | Nitrogen Oxides Grams per Mile |
|---|---|---|
| 0.36 | 3.4 | 0.7 |

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.

Executive Order A-6-216, dated November 5, 1981, is hereby rescinded.

Executed at El Monte, California this 4th day of March, 1982.

K. D. Drachand, Chief
Mobile Source Control Division

# 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-216-1 Page 1

Engine Family C1G5.7W5NBM7 Evaporative Family 2BOL-1D/ 2BO-1A

Engine CID (Liters) 350 (5.7)
305 (5.0)

ABBREVIATIONS

Ignition System
CA-Centrifugal Advance
EEC-Electronic Engine Control
EI-Electronic Ignition
ESAC-Electronic Spark Advance Control
VA-Vacuum Advance
VR-Vacuum Retard

Exhaust Emissions Control System
AIP-Air Injection-Pump
AIV-Air Injection-Valve
CL-Closed Loop
EGR-Exhaust Gas Recirculation
EM-Engine Modification
OC-Oxidation Catalyst System
TR-Thermal Reactor
TWC-Three Way Catalyst System

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber

Fuel System
CFI, CL, DID, DIP, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

MFI-Mechanical Fuel Injection
TC-Turbocharged

| Division | Basic Body | Trim | Body Type | |
|---|---|---|---|---|
| 1 | | | | Chevrolet |
| | Y | Y | 87 | Corvette Sport Coupe |
| | | | 07 | Corvette Sport Coupe Hatchback |
| | F | P | 87 | Camaro Sport Coupe |
| 2 | | | | Pontiac |
| | F | W | 87 | Firebird T/A |

DRIVE SYSTEM: Rear Wheel Drive
Issued: 110581. F Models added, by RC 21-266 and -1 EO, on 030482.

# 1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
## GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-216-1 Page 2

Engine Family C1G5.7W5NBM7 Exhaust Emission Control System AIR, 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 17 | W | 16025211 | 17082055 | 17063341 | 3625 | 1 | Y | | 87 | A3 | CCX | |
| | | | | | | | 1 | Y | | 07 | | | |
| | 17A | | 16030251 | | | | | | | | | | B |
| 305 | 25 | | 16017331 | 17082054 | 17063994 | 3625 | 12 | F | | 87 | | CCT | A |

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.

Date of Issue: 110581 Revisions: A. EC 25 added by RC 21-266 and -1 EO, on 030482. B. EC 17A added by RC 21-420.