

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-361  
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 1987 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</u> <u>Cubic Inches (Liters)</u>		<u>Exhaust Emission Control Systems</u> <u>(Special Features)</u>
H1G2.0V9T4B8	122	(2.0)	Exhaust Gas Recirculation Three-Way Catalyst Oxygen Sensor (Electronic Fuel Injection) (Turbocharger)

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> <u>Grams per Mile</u>	<u>Carbon Monoxide</u> <u>Grams per Mile</u>	<u>Nitrogen Oxides</u> <u>Grams per mile</u>
0.39	7.0	0.7

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

<u>Hydrocarbons</u> <u>Grams per Mile</u>	<u>Carbon Monoxide</u> <u>Grams per Mile</u>	<u>Nitrogen Oxides</u> <u>Grams per Mile</u>
0.27	2.8	0.5

BE IT FURTHER RESOLVED: That the listed models in the 0-3999 equivalent inertia weight class were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of

Title 13, California Administrative Code which includes recall liability for 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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) 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 Administrative Code, 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 29<sup>th</sup> day of July, 1986.

  
K. D. Drachand, Chief  
Mobile Source Division

17-H1G2.OV9T4B8-1A

(For CARB Use Only)

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer: General Motors Corporation Executive Order No.: A-6-361 Form 1

Engine Family: H1G2.OV9T4B8 Evaporative Family: 7B0-1J

Engine Liters (CID) - Type: 2.0 (122) - L4

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

Headings

- AIR COND-Air Conditioning
- BB-Basic Body
- BT-Body Type
- DI-Diesel Injection
- DIN-Diesel Injector Nozzles
- DIV-Division
- ECM-Electronic Control Module
- ETW-Equivalent Test Weight
- TLC-Tune-Up Label Code
- TNS-Transmission
- TM-Trim

Fuel System

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

Special Features

- CCV-Combustion Chamber Valve
- CFI-Central Fuel Injection
- DID-Diesel Injection-Direct
- DIP-Diesel Injection-Prechamber
- EFI-Electronic Fuel Injection
- IC-Intercooler/Aftercooler
- MFI-Mechanical Fuel Injection
- TC-Turbocharger

DIV	BB	TM	BT	MODEL NAME	DIV	BB	TM	BT	MODEL NAME
2				PONTIAC	2				PONTIAC
	J	B	69	Sunbird Sedan		N	E	27	Grand Am Coupe
		D	27	Sunbird SE Coupe				69	Grand Am Sedan
			67	Sunbird SE Convertible			V	27	Grand Am LE Coupe
			77	Sunbird SE Hatchback Coupe				69	Grand Am LE Sedan
	U		27	Sunbird GT Coupe			W	27	Grand Am SE Coupe
			67	Sunbird GT Convertible				69	Grand Am SE Sedan
			69	Sunbird GT Sedan					
			77	Sunbird GT Hatchback Coupe	4				BUICK
						J	S	27	Skyhawk Custom Coupe
								69	Skyhawk Custom Sedan
								77	Skyhawk Sport Hatchback
							T	27	Skyhawk Limited Coupe
								69	Skyhawk Limited Sedan

ENGINE/DRIVE AXLE LOCATION: Front Engine/ Front Drive

ISSUED: 06-27-86

REVISIONS:

0097S

