State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-310
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 1985 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)
F1G2.0W5XAG6	121	(2.0)	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 emission standards for this engine family:

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 the above engine family:

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.20	2.8	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 3rd day of October, 1984.

K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-310 Page 1

Engine Family F1G2.0W5XAG6 Evaporative Family 5B0-1H

Engine CID (Liters) - Type 121 (2.0) 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,TBI
nV-nVenturi Carburetor
VV-Variable Venturi

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DID-Diesel Injection-Direct
DIP-Diesel Injection-Prechamber
MFI-Mechanical Fuel Injection
TC-Turbocharged
TBI-Throttle Body Injection
EFI-Electronic Fuel Injection

DIV	BB	TM	BT	MODEL NAME
1				CHEVROLET
	J	C	35	Cavalier Station Wagon
			69	Cavalier Sedan
		D	35	Cavalier CS Station Wagon
			69	Cavalier CS Sedan
		E	27	Cavalier Type 10 Coupe
			67	Cavalier Type 10 Convertible
			77	Cavalier Type 10 Hatchback Coupe
3				OLDSMOBILE
	J	C	35	Firenza Cruiser Wagon
			69	Firenza Sedan
			77	Firenza Coupe
		D	35	Firenza Cruiser LX Wagon
			69	Firenza LX Sedan
			77	Firenza SX Coupe
6				CADILLAC
	J	G	69	Cimarron Sedan

DIV	BB	TM	BT	MODEL NAME
2				PONTIAC
	J	B	27	Sunbird Coupe
			35	Sunbird Wagon
			69	Sunbird Sedan
			77	Sunbird Hatchback Coupe
		C	27	Sunbird LE Coupe
			35	Sunbird LE Wagon
			69	Sunbird LE Sedan
4				BUICK
	J	S	27	Skyhawk Custom Coupe
			35	Skyhawk Custom Wagon
			69	Skyhawk Custom Sedan
		T	27	Skyhawk Limited Coupe
			35	Skyhawk Limited Wagon
			69	Skyhawk Limited Sedan

DRIVE AXLE: Front Wheel Drive

ISSUED: 9/27/84 REVISIONS:

0732P

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-310 Page 2

Engine Family F1G2.0W5XAG6 Exhaust Emission Control System 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	21	W &	16036781	17085083	17085719	2625	12	J		27	M-4	UAH	
	21A	W/O	16052221		17085718								C
						2750	4	J		27			
							12	J		35			
							1234	J		69			
							123	J		77			
						2875	34	J		35			
							1	J		67			
	23		16036791		17085719	2750	1	J		27	M-5		
	23A		16052231		17085718		1	J		35			C
							1	J		69			
							1	J		77			
						2875	1	J		67			
							6	J		69			
	31		16036821		17085718	2750	1 4	J		27	A-3		
	31A		16052061				1	J		69			B
	31B		16054531				3	J	C	69			D
							1	J		77			
							3	J	C	77			
						2875	1 34	J		35			
							1	J		67			
							46	J		69			A
							3	J	D	69			
							3	J		77			

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 and equipment.

ISSUED:

REVISIONS: A. Under authority of ACR, GM has elected to test this configuration (6JG69) at the next higher inertia weight class to demonstrate emission compliance by RC 51-156 on 10-29-84. B. Engine code 31A added by RC 51-166 on 10-31-84. C. Engine codes 21A and 23A added by RC 51-173 on 11-30-84. D. Engine code 31B added by RC 51-214 on 03-18-85.