State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-240
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 1983 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)
D1G2.0W5XAJ9	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 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 1983 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
0.10	3.3	0.6

BE IT FURTHER RESOLVED: That the listed vehicle 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 30th day of July, 1982.

K. D. Drachand, Chief
Mobile Source Control Division

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Engine Family D1G2.0W5XAJ9 Evaporative Family 3B0-1F

Engine CID (Liters) 121 (2.0)

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

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, 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

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

RIVE AXLE: Front Wheel

ISSUED: 073082 REVISIONS: Model 4JE27 added per RC 31-107 on 092782. Model 1JE67 added by RC 31-125 on 101982.

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GASOLINE-FUELED PASSENGER CARS

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Engine Family D1G2.0W5XAJ9 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	61	W &	16027071	17083083	17083778	2750	12	J		27	M-4	DTK	
	61A	W/O					4	J	ST	27			C
	61B						12	J		69			A
	61C		16033991				1	J		77			B,E
							2	J	B	77			
						2875	4	J	E	27			C
							123	J		35			
							4	J	S	35			
							1	J		67			D
							34	J		69			
							2	J	D	77			
							3	J		77			
						3000	4	J		35			
						2750	1	J		27	M-5		
							4	J	S	27			
							1	J		69			
						2875	4	J	ET	27			C
							1 3	J		35			
							1	J		67			D
							346	J		69			E
							1 3	J		77			
						3000	4	J		35			

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: 073082 REVISIONS: A. EC 61A included in original certification, per RC 31-012, on 071982. B. EC 61B included in original certification, per RC 31-020, on 072082. C. Model 4JE27 added per RC 31-107 on 092782. D. Model 1JE67 added per RC 31-125 on 101982. E. EC 61C added and ETW of 6JG69 was decreased from 3000 to 2875 by RC 31-139 on 112382.

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GASOLINE-FUELED PASSENGER CARS

nufacturer General Motors Corporation Executive Order No. A-6-240 Page 3

Engine Family D1G2.0W5XAJ9 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	BB	TM	BT	TNS	TLC	REV. NOTES
121	61D	W & W/O	16033991	17083083	17083778	2750	12	J		27	M-4	DAW	
							4	J	ST	27			
							12	J		69			
							2	J	B	77			
						2875	4	J	E	27			
							123	J		35			
							4	J	S	35			
							1	J		67			
							34	J		69			
							1 3	J		77			A
							2	J	D	77			
						3000	4	J		35			
						2750	1	J		27	M-5		
							4	J	S	27			
							1	J		69			
						2875	4	J	ET	27			
							1 3	J		35			
							1	J		67			
							346	J		69			
							1 3	J		77			
						3000	4	J		35			

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: 112382 (RC 31-139) REVISIONS: A. ETW of 1JE77 was increased from 2750 to 2875 on 012483.

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Engine Family D1G2.0W5XAJ9 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	71	W &	16027101	17083082	17083771	2750	1		J		27	A-3	DTM	
	71A	WO												A
	71B					2875		4	J		27			B
	71C		16033971				1		J		35			E
							1	4	J		69			
							1		J		77			
						3000	1		J		67			D
								4	J		35			
	73		16027121			2875		3	J		69			
	73A							3	J		77			A
	73B													B
	73C		16033981											E
						3000		3	J		35			
								6	J		69			

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: 073082 REVISIONS: A. EC 71A and 73A included in original certification per RC 31-012, on 071982. B. EC 71B and 73B included in original certification, per RC 31-020, on 072082. Models 3JC35 and 3JD35 removed from 2875 ETW and added to 3000 ETW. C. Model 4JE27 added per RC 31-107 on 092782. D. Model 1JE67 added per RC 31-125 on 101982. E. ECs 71C and 73C added by RC 31-139 on 112382.

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GASOLINE-FUELED PASSENGER CARS

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Engine Family D1G2.0W5XAJ9 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	BB	TM	BT	TNS	TLC	REV. NOTES
121	71D	W & WO	16033971	17083082	17083771	2750	1	J		27	A-3	DAU	
						2875	4	J		27			
							1	J		35			
							1 4	J		69			
							1	J		77			
						3000	1	J		67			
							4	J		35			
	73D		16033981			2875	3	J		69			
							3	J		77			
						3000	3	J		35			
							6	J		69			

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: 112382 (RC 31-139) REVISIONS:

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