State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-271
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:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
E1G2.8W2NNA4	173 (2.8)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

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":

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
0.19	3.9	0.6

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 18th day of ~~July,~~ 1983.

K. D. Drachand, Chief
Mobile Source Control Division

Form 1

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-271 Page 1

Engine Family E1G2.8W2NNA4 Evaporative Family 4B6-1C

Engine CID (Liters) 173 (2.8)

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
				CHEVROLET
	A	W	19	Celebrity Sedan
			27	Celebrity Notchback Coupe
			35	Celebrity Wagon
	F	P	87	Camaro Sport Coupe
		S	87	Camaro Berlinetta Sport Coupe
	X	H	11	Citation Coupe
		X	08	Citation Hatchback Coupe
			68	Citation Hatchback Sedan
2				PONTIAC
	A	F	19	6000 Sedan
			27	6000 Coupe
			35	6000 Wagon
		G	19	6000 LE Sedan
			27	6000 LE Coupe
			35	6000 LE Wagon
		H	19	6000 STE Sedan
	F	S	87	Firebird
		X	87	Firebird S/E
	X	T	37	Phoenix SJ Coupe
			68	Phoenix Hatchback SJ Sedan

DIV	BB	TM	BT	MODEL NAME
2				PONTIAC
	X	Y	37	Phoenix Coupe
			68	Phoenix Hatchback Sedan
		Z	37	Phoenix LE Coupe
			68	Phoenix Hatchback LE Sedan
3				OLDSMOBILE
	X	B	37	Omega Coupe
			69	Omega Sedan
		E	37	Omega Brougham Coupe
			69	Omega Brougham Sedan
4				BUICK
	X	B	37	Skylark Custom Coupe
			69	Skylark Custom Sedan
		C	37	Skylark Limited Coupe
			69	Skylark Limited Sedan
		D	37	Skylark "T-Type" Coupe

DRIVE AXLE: Front wheel drive for A and X basic body.
Rear wheel drive for F basic body.

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

Manufacturer General Motors Corporation Executive Order No. A-6-271 Page 2

Engine Family E1G2.8W2NNA4 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	2V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
173	51	W & W/O	16027541	17084452, 17084534	17084731	3125	1	A		19	A3	XKS	
							1	A		27			
						3250	2	A		19			
							2	A		27			
	53		16027551	17084458, 17084540		3125	1	A		27	A4		
						3250	12	A		19			
							2	A		27			

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:

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Form 2

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

Manufacturer General Motors Corporation Executive Order No. A-6-271 Page 3

Engine Family E1G2.8W2NNA4 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	2V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
173	61	W & W/O	16027611	17084452, 17084534	17084731	3000	1	X		08	A3	XKS	
							1	X		11			
							234	X		37			
							1	X		68			
							2	X	Y	68			
							34	X	B	69			
						3125	2	X	Z	68			
							3	X	E	69			
							4	X	C	69			
	65		16027601	17084453, 17084535	17084746	3000	1	X		08	M4		
							1	X		11			
							234	X		37			
							12	X		68			
							34	X		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.

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Form 2

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

Manufacturer General Motors Corporation Executive Order No. A-6-271 Page 4

Engine Family E1G2.8W2NNA4 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	2V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
173	67	W & W/O	16027561	17084452, 17084534	17084731	3375	12	A		35	A3	XKS	
	69		16027571	17084458, 17084540			12	A		35	A4		
	73		16027731	17084632	17084729		12	F		87		XKW	
	77		16027711	17084633		3250	1	F	P	87	M5		
						3375	1	F	S	87			
							2	F		87			

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.

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

Manufacturer General Motors Corporation Executive Order No. A-6-271 Page 5

Engine Family E1G2.8W2NNA4 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	2V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
173	83	W & W/O	16027671	17084456, 17084538	17084729	3000	1	X		08	A3	XKT	
							1	X		11			
							1	X		68			
	85		16027661	17084455, 17084537		3000	1	X		08	M4		
							1	X		11			
							1	X		68			
	87		16027671	17084456, 17084538		3000	1	X		08	A3	XKU	
							1	X		11			
							2	X	YZ	37			
							3	X		37			
							4	X	B	37			
							1	X		68			
						3125	2	X	T	37			
							4	X	CD	37			
							2	X		68			
							34	X		69			
						3375	2	A		19			

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.

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Form 2

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

Manufacturer General Motors Corporation Executive Order No. A-6-271 Page 6

Engine Family E1G2.8W2NNA4 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	2V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	BB	TM	BT	TNS	TLC	REV. NOTES
173	89	W & W/O	16027671	17084455, 17084537	17084729	3000	1	X		08	M4	XKU	
							1	X		11			
							234	X		37			
							1	X		68			
							34	X		69			
						3125	2	X		68			
	91		16034981	17084636		3375	2	F		87	A4	XKX	
	93		16027771			3375	2	F		87			

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.

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