E. O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-211
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)
C1G2.8V2NNA8	173	(2.8)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System Closed Loop

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
0.16	4.5	0.6

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 4th day of September, 1981.

R. D. Drachand, Chief
Mobile Source Control Division

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-211 Page 1

Engine Family C1G2.8V2NNA8 Evaporative Family 2B6-1B

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, 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
MFI-Mechanical Fuel Injection
TC-Turbocharged

DIV	BB	TM	BT	MODEL NAME
1				CHEVROLET
	A	W	19	Celebrity Sedan
			27	Celebrity Hatchback Coupe
	F	P	87	Camaro Sport Coupe
		S	87	Camaro Berlinetta Sport Coupe
	X	H	11	Citation Slantback Coupe
		X	08	Citation Hatchback Coupe
			68	Citation Hatchback Sedan
2				PONTIAC
	A	F	19	6000 Sedan
			27	6000 Coupe
		G	19	6000 LE Sedan
			27	6000 LE Coupe
	F	S	87	Firebird
		X	87	Firebird S/E
	X	T	37	Phoenix SJ Coupe
			68	Phoenix Hatchback SJ Sedan
2				PONTIAC
	X	Y	37	Pheonix Coupe
			68	Phoenix Hatchback Sedan
		Z	37	Phoenix LJ Coupe
			68	Phoenix Hatchback LJ 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 Coupe
			69	Skylark Sedan
		C	37	Skylark Limited Coupe
			69	Skylark Limited Sedan
		D	37	Skylark Sport Coupe
			69	Skylark Sport Sedan

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

Date of Issue: 090481 Revisions: Model 1XH11 added by RC 21-182 on 112381.

0257Q/2Q

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

Manufacturer General Motors Corporation Executive Order No. A-6-211 Page 2

Engine Family C1G2.8V2NNA8 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	7,7A	W	16016981,	17082490	17082772	3250	1	F	P	87	A3	CVJ	DH
	7B,7C		16025791		17082773		2	F	S	87		CUK	ACEF
						3375	1	F	S	87			
							2	F	X	87			
	8,8A	W/O		17082390	17082772	3250	12	F		87			D
	8B,8C				17082773								EF
	13,13A	W	16017201,	17082640	17064924	3000	1	X		08		CFW	D
			16025741				234	X		37		CVU	AC
							1	X		68			
							34	X	B	69			
							1	X		11			B
						3125	12	A		19			
							12	A		27			
							2	X		68			
							3	X	E	69			
							4	X	CD	69			
	14,14A	W/O		17082316		3000	2	A	F	19			D
							12	A		27			
							1	X		08			
							234	X		37			
							12	X		68			
							34	X		69			
							1	X		11			B
						3125	1	A		19			
							2	A	G	19			G

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: 090481

Revisions: A. Labels CUK, CVU added by RC 21-142 on 111781. B. 1X11 added by RC 21-182 on 112381. C. Opt. ECMs added by RC 21-308 on 122381. D. EC 7A, 8A, 13A, 14A added by RC/FF 21-331. E. EC 7B, 8B added by RC 21-330. F. EC 7C, 8C added by RC 21-329 on 032382. G. Revised ETW of model 2AG19 by update on 042882. H. Corrected code CRR to CVJ on 042882.

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GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-211 Page 3

Engine Family C1G2.8V2NNA8 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	19,19A	W	16017191,	17082641	17061108	3000	1	X		08	M4	CFX	D
			16025751				234	X		37		CVW	AC
							12	X		68			
							34	X		69			
							1	X		11			B
	20,20A	W/O		17082317		2875	1	X		08			D
							2	X		37			
							34	X	B	37			
							1	X		11			B
						3000	3	X	E	37			
							4	X	CD	37			
							12	X		68			
							34	X		69			
	24,24A	W & W/O	16016971, 16025781	17082321	17064921	3000	1	X		08		CHF CUA	DE AC
	25	W	16023881, 16025771	17082642		3000	1	X		08	A3	CHD CVZ	AC
	26	W/O		17082320		3000	1	X		08			
	30,30A	W & W/O	16016971, 16025781	17082321		3000	234	X		37	M4	CHM CUF	D AC
							2	X		68			
							3	X	B	69			
							4	X		69			
						3125	3	X	E	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.

Date of Issue: 090481

Revisions: A. Labels CUA, CUF, CVW, CVZ added by RC 21-142 on 111781. B. 1X11 added by RC 21-182 on 112381. C. Opt. ECMs added by RC 21-308 on 122381. D. EC 19A, 20A, 24A, 30A added by RC/FF 21-331 on 032382. E. Corrected code CFH to CHF and 170642921 to 17064921 on 042882.

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GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-211 Page 4

Engine Family C1G2.8V2NNA8 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	31	W	16023881,	17082642	17064921	3000	23	X		37	A3	CHK	
			16025771				4	X	BD	37		CUD	AB
							3	X	B	69			
						3125	4	X	C	37			
							2	X		68			
							3	X	E	69			
							4	X		69			
	32	W/O		17082320		3000	234	X		37			
							2	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.

Date of Issue: 090481 Revisions: A. Label CUD added by RC 21-142 on 111781.
B. PN 16025771 added by RC 21-308 on 122381.