

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.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
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:

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

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

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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.


K. 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	DIV	BB	TM	BT	MODEL NAME
1				CHEVROLET	2				PONTIAC
	A	W	19	Celebrity Sedan		X	Y	37	Phoenix Coupe
			27	Celebrity Hatchback Coupe				68	Phoenix Hatchback Sedan
	F	P	87	Camaro Sport Coupe			Z	37	Phoenix LJ Coupe
		S	87	Camaro Berlinetta Sport Coupe				68	Phoenix Hatchback LJ Sedan
	X	H	11	Citation Slantback Coupe					
		X	08	Citation Hatchback Coupe	3				OLDSMOBILE
			68	Citation Hatchback Sedan		X	B	37	Omega Coupe
								69	Omega Sedan
2				PONTIAC			E	37	Omega Brougham Coupe
	A	F	19	6000 Sedan				69	Omega Brougham Sedan
			27	6000 Coupe					
		G	19	6000 LE Sedan	4				BUICK
			27	6000 LE Coupe		X	B	37	Skylark Coupe
	F	S	87	Firebird				69	Skylark Sedan
		X	87	Firebird S/E			C	37	Skylark Limited Coupe
	X	T	37	Phoenix SJ Coupe				69	Skylark Limited Sedan
			68	Phoenix Hatchback SJ 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.

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
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	T	BT	TNS	TLC	REV. NOTES
173	19,19A	W	16017191, 16025751	17082641	17061108	3000	1	X		08	M4	CFX	D
							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.

1982 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
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, 16025771	17082642	17064921	3000	23	X		37	A3	CHK	
							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.

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