

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-168-1  
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 General Motors Corporation exhaust emission control systems are certified as described below for 1980 model-year gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
04E2MCRZ	231	Air Injection Exhaust Gas Recirculation Three Way Catalyst with Closed Loop

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1980 model-year vehicles:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
04E2MCRZ	0.27	4.7	0.7

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 except Motorcycles".

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 1980 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

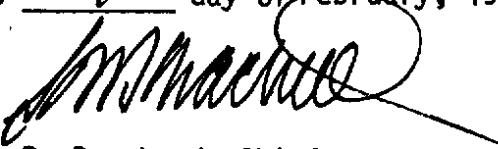
BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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.

Executive Order A-6-168, dated October 2, 1979, is hereby rescinded.

Executed at El Monte, California this 14<sup>th</sup> day of February, 1980.

  
K. D. Drachand, Chief  
Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-168 -1 Page 1

Engine Family 04E2MCRZ Engine (CID) 231

Evaporative Family OB3S-4

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

AI-Air Injection  
 CL-Closed Loop  
 EGR-Exhaust Gas Recirculation  
 EM-Engine Modification  
 OC-Oxidation Catalyst  
 PAI-Pulse Air Injection  
 TR-Thermal Reactor  
 TWC-Three Way Catalyst

Special Features

CCAV-Combustion Chamber Air Valve  
 EFI-Electronic Fuel Injection  
 MFI-Mechanical Fuel Injection  
 TC-Turbo Charged

Fuel System

EFI, MFI  
 nV-nVenturi Carburetor  
 VV-Variable Venturi

Division	Basic Body	Trim	Body Type		Division	Basic Body	Trim	Body Type	
				<u>Chevrolet</u>					
1	A	T	19	Malibu Sedan	2	A	D	19	LeMans Sedan
			27	Malibu Notchback Coupe				27	LeMans Coupe
			35	Malibu Wagon				35	LeMans Safari Station Wagon
	W		19	Malibu Classic Sedan			F	19	Grand LeMans Sedan
			27	Malibu Classic Notchback Coupe				27	Grand LeMans Coupe
			35	Malibu Classic Wagon				35	Grand LeMans Safari St. Wg.
			80	El Camino Pickup Delivery(1)		B	R	37	Bonneville Brougham Coupe
	Z		37	Monte Carlo Sport Coupe			L	37	Catalina Coupe
								69	Catalina Sedan
	B	L	47	Impala Coupe			N	37	Bonneville Coupe
			69	Impala Sedan				69	Bonneville Sedan
		N	47	Caprice Classic Coupe			R	69	Bonneville Brougham Sedan
			69	Caprice Classic Sedan		F	S	87	Firebird
							T	87	Esprit
	F	P	87	Camaro Sport Coupe					
		S	87	Camaro Berlinetta Sport Coupe		G	J	37	Grand Prix
							K	37	Grand Prix LJ
	H	M	07	Monza 2+2 Hatchback Coupe		H	E	07	Sunbird Hatchback Coupe
			27	Monza Notchback Coupe			E	27	Sunbird Coupe
		R	07	Monza 2+2 Sport Hatchback Coupe			M	07	Sunbird Sport Hatchback Coupe
								27	Sunbird Sport Coupe

(1)

Also marketed as GMC Cabellero Pickup Delivery.

Issued: 100279. Models 2BR37 & 69, 2HE07 added by RC 04-183, on 011880. Updated to A-6-168-1 per letter ML-06386, on 021380.

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-168-1 Page 2  
 Engine Family 04E2MCRZ Engine (CID) 231  
 Evaporative Family 0B3S-4

Division  
 Basic Body  
 Trim  
 Body Type

Division  
 Basic Body  
 Trim  
 Body Type

Oldsmobile

Buick

3	A	G	35	Cutlass Cruiser
		H	35	Cutlass Brougham Cruiser
		G	69	Cutlass Sedan
			87	Cutlass Salon Coupe
		J	87	Cutlass Salon Brougham Coupe
		K	47	Cutlass Calais Coupe
		M	47	Cutlass Supreme Brougham Coupe
			69	Cutlass Brougham Sedan
		R	47	Cutlass Supreme Coupe
			69	Cutlass "LS" Sedan
B	L		37	Delta 88 Coupe
			69	Delta 88 Sedan
		N	37	Delta 88 Royale Coupe
			69	Delta 88 Royale Sedan
		Y	37	Delta 88 Royale Brougham Coupe
			69	Delta 88 Royale Brougham Sedan
H	D		07	Starfire SX
	T		07	Starfire

4	A	E	35	Century Wagon
		G	87	Century Sport Coupe
		H	35	Century Estate Wagon
			69	Century Sedan ←
			87	Century Coupe
		J	47	Regal Coupe
		L	69	Century Limited Sedan
		M	47	Regal Limited Coupe
	B	N	37	LeSabre Coupe
			69	LeSabre Sedan
		P	37	LeSabre Limited Coupe
			69	LeSabre Limited Sedan
	H	S	07	Skyhawk
		T	07	Skyhawk "S"

Updated to A-6-168-1, per letter ML-0G386, on 021380.

Issued: 100279.

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT

Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-168-1

Pg. 3

Engine Family 04E2MCRZ Engine CID 231 Transm. \_\_\_\_\_

Exhaust Emission Control System AI,EGR,TWC,CL +10% (A/C) Yes  No

Eng. Code	Air Cond.	Ign.Syst. EI ESAC Distrib. Part No.	Fuel System 2V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label	Rev. Notes	
1	W	Delco Remy 1110784	Rochester 17080495	17062861	3500	2	A	D	27	A-3	KP	A	
					3625	1 2	A	F	19				
						1 2	A		27				
						1 2	A		27				
						1 2	A		37				
					3750	3 4	A	H	47				
						3 4	A		69				
						3 4	A		69				
						3 4	A		80				
					3875	2	A	G	37				
2	A	35											
2-	WO	17080493	17080493		3500	1 2	A	L	19	A-3	KP	B	
					3625	1 2	A		27				
						1 2	A		37				
						1 2	A		37				
						1 2	A		87				
					3750	3	A		G				35
						3 4	A						47
						3 4	A						69
						3 4	A						80
					3750	4	A		G				87
4	A	37											
3750	2 3 4	A	G	35									
	2 3 4	A		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.

Date of Issue: 100279. Revisions: A. Label KE corrected to KP by letter ML-OP1131, on 102579. B. 4AL69 was in 3625 lb. class before RC 04-160, on 120379. Updated to A-6-168-1, per letter ML-OG386, on 021380.

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT

Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-168-1

Pg. 4

Engine Family 04E2MCRZ Engine CID 231 Transm. \_\_\_\_\_

Exhaust Emission Control System AI, EGR, TWC, CL +10% (A/C) Yes  No

Eng. Code	Air Cond.	Ign. Syst. EI ESAC Distrib. Part No.	Fuel System 2V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans- mission	Tune-up Label	Rev. Notes	
3	W	Delco Remy 1110784	Rochester 17080495	17062861	3875	2 3	B		37	A-3	KR, GA	AE	
						1	B	LN	47				
						2	B		69				
						3	B		69				
4	WO		17080493		4000	2	B	R	37			D B B D	
						1	B		37				
						4	B		69				
						4	B	R	69				
4	WO		17080493		3750	3	B	L	69			D	
						3875	2 3	B					37
							1	B					47
							1	B	LN				69
4000	2	B	R	37									
	4	B		69									
4000	2	B	R	69									
	4	B		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: 100279. Revisions: A. Label KM corrected to KR by letter ML-OP1131, on 102579. B. 4B37 & 69 were in 3875 lb. class, C. 4BN37 was 3750, 4BP37 & 69 were 3875, before RC 04-160, on 120379. D. 2BR37 & 69 added by RC 04-183, EC5 thru 8 moved to Pg. 5 on 011880. E. Label GA added by letter ML-OP1277; Updated to A-6-168-1, per letter ML-OG386, on 021380.

AIR RESOURCES BOARD 1980 SUPPLEMENTAL DATA SHEET - GM FORMAT  
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-168 -1

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Engine Family 04E2MCRZ Engine CID 231 Transm. \_\_\_\_\_

Exhaust Emission Control System AI, EGR, TWC, CL +10% (A/C) Yes  No

Eng. Code	Air Cond.	Ign. Syst. EI, ESAC Distrib. Part No.	Fuel System 2V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label	Rev. Notes	
5	W	Delco Remy 1110784	Rochester 17080496	17062861	3250	1	H		27	A-3	KN	BD	
					3375	1 2 3 4 2	H H		07 27				
6	WO		17080498		3250	1	H	M	07				
							2 3	H H	T				07 07
							4	H					07
					3375	1	H	R	07				
							4	H	S				07
7	W		17080496		3750	1	F		87		-KR	BC	
						2	F		87				
8	WO		17080498		3750	1 2	F		87				
9, 9a	W & WO		17080491		3250	3	H	D	07	M-4	KT	A	
						4	H H	T	07 27				
					3375	1 2	H		07			E	
						3	H H	T	07 07				
						2	H	S	07				
						4	H		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.

Date of Issue: 120379. Revisions: A. EC 9 & Pg. 5 added by RC 04-127 on 120379. B. Labels KD corrected to KN, KM to KR by letter ML-OP1131, on 102579. C. Test Wt. for 1FS87 corrected from 3875 to 3750 by RC 04-146, on 110179. D. EC 5 thru 8 moved from Pg. 4 on 011880. Updated to A-6-168-1, per letter ML-OG386, on 021380. E. EC 9a added by RC 04-217, on 050180.