

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".

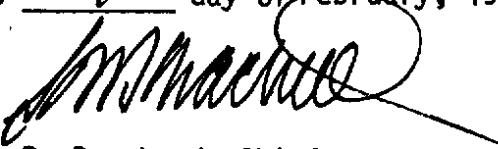
BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer all material required to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2036).

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 14th 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

Chevrolet

Pontiac

Division	Basic Body	Trim	Body Type	Model
1	A	T	19	Malibu Sedan
			27	Malibu Notchback Coupe
			35	Malibu Wagon
	W		19	Malibu Classic Sedan
			27	Malibu Classic Notchback Coupe
			35	Malibu Classic Wagon
			80	El Camino Pickup Delivery(1)
	Z		37	Monte Carlo Sport Coupe
	B	L		47
69				Impala Sedan
N			47	Caprice Classic Coupe
			69	Caprice Classic Sedan
F	P		87	Camaro Sport Coupe
			87	Camaro Berlinetta Sport Coupe
H	M		07	Monza 2+2 Hatchback Coupe
			27	Monza Notchback Coupe
			07	Monza 2+2 Sport Hatchback Coupe

Division	Basic Body	Trim	Body Type	Model		
2	A	D	19	LeMans Sedan		
			27	LeMans Coupe		
			35	LeMans Safari Station Wagon		
			19	Grand LeMans Sedan		
			27	Grand LeMans Coupe		
			35	Grand LeMans Safari St. Wg.		
			B	R	37	Bonneville Brougham Coupe
					L	Catalina Coupe
					69	Catalina Sedan
			F	S	T	37
	69	Bonneville Sedan				
	69	Bonneville Brougham Sedan				
	87	Firebird				
	87	Esprit				
	G	J		37	Grand Prix	
				37	Grand Prix LJ	
	H	E		07	Sunbird Hatchback Coupe	
				27	Sunbird Coupe	
07				Sunbird Sport Hatchback Coupe		
07				Sunbird Sport 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-OG386, 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		47				
						2	B	LN	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
						1		H					
					3375	1 2	H	T	07				
						3	H		07				
						4	H	S	07				
						2	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.