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.

Engine Family	Displacement Cubic Inches	Exhaust Emission Control Systems (Special Features)
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:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
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Executive Order A-6-168, dated October 2, 1979, is hereby rescinded.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 0B3S-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

Fuel System
EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

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

Division	Basic Body	Trim	Body Type	Chevrolet
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	Impala Coupe
			69	Impala Sedan
		N	47	Caprice Classic Coupe
			69	Caprice Classic Sedan
	F	P	87	Camaro Sport Coupe
		S	87	Camaro Berlinetta Sport Coupe
	H	M	07	Monza 2+2 Hatchback Coupe
			27	Monza Notchback Coupe
		R	07	Monza 2+2 Sport Hatchback Coupe

Division	Basic Body	Trim	Body Type	Pontiac
2	A	D	19	LeMans Sedan
			27	LeMans Coupe
			35	LeMans Safari Station Wagon
		F	19	Grand LeMans Sedan
			27	Grand LeMans Coupe
			35	Grand LeMans Safari St. Wg.
	B	R	37	Bonneville Brougham Coupe
		L	37	Catalina Coupe
			69	Catalina Sedan
		N	37	Bonneville Coupe
			69	Bonneville Sedan
		R	69	Bonneville Brougham Sedan
	F	S	87	Firebird
		T	87	Esprit
	G	J	37	Grand Prix
		K	37	Grand Prix LJ
	H	E	07	Sunbird Hatchback Coupe
		E	27	Sunbird 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-OG386, on 021380.

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

ufacturer 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	Oldsmobile
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

Division	Basic Body	Trim	Body Type	Buick
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

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		19			
						1	A		27			
						2	A	F	27			
						1	A		37			
						3 4	A		47			
						3	A		69			
						4	A	H	69			
						1	A		80			
						3 4	A		87			
						2	G		37			
					3750	1 3 4	A		35			
						4	A	L	69			B
					3875	2	A		35			
2	WO		17080493		3500	1 2	A		19			
						1 2	A		27			
						1	A		37			
						3	A		87			
					3625	1	A		35			
						3 4	A		47			
						3 4	A		69			
						1	A		80			
						4	A		87			
						2	G		37			
					3750	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

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			
					4000	2	B	R	37			D
						4	B		37			B
						1 4	B		69			B
						2	B	R	69			D
4	WO		17080493		3750	3	B	L	69			
					3875	2 3	B		37			D
						1	B		47			
						1	B		69			
						2	B	LN	69			
						3	B	NY	69			
					4000	4	B		37			C
						2	B	R	69			D
						4	B		69			C

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, beforeRC 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 Pg. 5

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	H		07			
						2	H		27			
6	WO		17080498		3250	1	H	M	07			
						2 3	H		07			
						4	H	T	07			
						1 2	H		27			
					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	T	07			
						1	H		27			E
					3375	1 2	H		07			
						3	H	T	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.