E.O.

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-171
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)
01Y4MCRZ	305	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
01Y4MCRZ	0.23	2.7	0.8

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.

Executed at El Monte, California this 7th day of September, 1979.

K. D. Drachand, Acting Chief
Mobile Source Control Division

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. Executive Order No. A-6-171 Page 1

Engine Family 01Y4MCRZ Engine (CID) 305

Evap Family 0D4S-1

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	
1				CHEVROLET
	A	T	19	Malibu Sedan
		W	19	Malibu Classic Sedan
		T	27	Malibu Notchback Coupe
		W	27	Malibu Classic Notchback Coupe
		T	35	Malibu Wagon
		W	35	Malibu Classic Wagon
		Z	37	Monte Carlo Sport Coupe
		W	80	Caballero Pickup Delivery
		W	80	El Camino Pickup Delivery
	B	L	35	Impala Wagon
		N	35	Caprice Classic Wagon
		L	47	Impala Coupe
		N	47	Caprice Classic Coupe
		L	69	Impala Sedan
		N	69	Caprice Classic Sedan
	F	P	87	Camaro Sport Coupe
		S	87	Camaro Berlinetta Sport Coupe
	Y	Z	87	Corvette Fastback Sport Coupe

Division	Basic Body	Trim	Body Type	
2				PONTIAC
	A	D	19	LeMans Sedan
		F	19	Grand LeMans Sedan
		D	27	LeMans Coupe
		F	27	Grand LeMans Coupe
		G	27	Grand Am Coupe
		D	35	LeMans Safari Station Wagon
		F	35	Grand LeMans Safari Station Wagon
	B	R	37	Bonneville Brougham Coupe
		N	37	Bonneville Coupe
		L	37	Catalina Coupe
		R	69	Bonneville Brougham Sedan
		N	69	Bonneville Sedan
		L	69	Catalina Sedan
	F	S	87	Firebird
		T	87	Esprit
		V	87	Formula
		W	87	Trans Am
	G	H	37	Grand Prix SJ
		J	37	Grand Prix
		K	37	Grand Prix LJ

Issued: 083179.
1YZ87 added by RC 01-97,
2B models added by RC 01-94,
on 101879.

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-171 Page 2

Engine Family 01Y4MCRZ Engine (CID) 305

ABBREVIATIONS

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EEC-Electronic Engine Control
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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	MODEL NAME
3 OLDSMOBILE	A	G	35	Cutlass Cruiser
		H	35	Cutlass Brougham Cruiser
		K	47	Cutlass Calais Coupe
		M	47	Cutlass Supreme Brougham Coupe
		R	47	Cutlass Supreme Coupe
		G	69	Cutlass Sedan
		M	69	Cutlass Brougham Sedan
		R	69	Cutlass 'LS' Sedan
		G	87	Cutlass Salon Coupe
		J	87	Cutlass Salon Brougham Coupe
4 BUICK	A	E	35	Century Wagon
		H	35	Century Estate Wagon
		J	47	Regal Coupe
		M	47	Regal Limited Coupe
		H	69	Century Sedan
		L	69	Century Limited Sedan
		G	87	Century Sport Coupe
		H	87	Century Coupe

Issued: 083179.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-171

Engine Family 01Y4MCRZ Engine CID 305 Transm. _____

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

Eng. Code	Air Cond.	Ign. Syst. EI,CA,VA Distrib. Part No.	Fuel System 4V Carb. 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 1103386	Rochester 17080504	17064539	4000	2	B	L	37	A-3	DN, 24, 26	B
						1	B		47			C
1A			17080517		4250	2	B	NR	37			CD
						12	B		69			
2	WO		17080502		4000	2	B		37			B
						1	B		47			
2A			17080516			12	B		69			D
3A	W	1103368	17080504	17064541	4500	1	B		35			A
3B			17080517									D
4A	WO		17080502		4500	1	B		35			A
4B			17080516									D
5	W	1103386	17080504	17064538	4000	1	B		47			
5A			17080517		4250	1	B		69			D
6	WO		17080502		4000	1	B		47			
						1	B		69			
6A			17080516									D
9	W		17080504	17064537	3750	1 2	A		19			
						1 2	A		27			
						1	A		37			
						4	A	J	47			
						3	A	G	69			
9A			17080517			4	A	H	69			D
						3	A	G	87			
						4	A		87			
						2	G		37			
					3875	3	A		47			
						4	A	M	47			E
						3	A	MR	69			
						4	A	L	69			E
						3	A	J	87			

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: 083179. Revisions: A. EC 3A & 4A added by RC 01-58, included in original certification 083179. B. 2B models added to EC 1 & 2 by RC 01-94, C. Labels 24 & 26 added by letter ML-OP1112, on 101879. D. EC 1A,2A,3B,4B,5A,6A,9A added by RC 01-125, on 110579. E. 4AM47 & 4AL69 were in 3750 class before RC 01-209, approved on 060580.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-171

Engine Family 01Y4MCRZ Engine CID 305 Transm. Auto-3

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

Eng. Code	Air Cond.	Ign. Syst. EI,CA,VA Dist. Part No.	Fuel System 4V Carb. Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label	Rev. Notes
10	W/O	Delco Remy 1103386	Rochester 17080502	17064537	3625	1	A-		19	A-3	DN, 26	
						1	A		27			A
					3750	1	A		37			
						3	A	MR	47			
						4	A	JM	47			
						3	A	GR	69			
10A			17080516			4	A		69			B
						34	A		87			
					3875	3	A	K	47			
						3	A	M	69			
11	W		17080504	17064536	3750	12	A		19			
						12	A		27			
						1	A		37			
						4	A	JM	47			
						3	A	G	69			
						4	A		69			
						3	A	G	87			
11A			17080517			4	A		87			B
						2	G		37			
					3875	1	A		35			
						3	A		47			
						4	A	M	47			C
						3	A	MR	69			
						4	A	L	69			C
						1	A		80			
						3	A	J	87			
					4000	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: 083179. Revisions: A. Label 26 added by letter ML-OP1112, on 101879. B. EC 10A, 11A added by RC 01-125, on 110579. C. 4AM47 & 4AL69 were in 3750 class before RC 01-209, approved on 060580.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-171

Engine Family 01Y4MCRZ Engine CID 305 Transm. Auto-3

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

Eng. Code	Air Cond.	Ign.Syst. EI,CA,VA Dist. Part No.	Fuel System 4V Carb. Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label	Rev. Notes
12	W/O	Delco Remy 1103386	Rochester 17080502	17064536	3625	1	A		19	A-3	DN, 26	
						1	A		27			B
					3750	1	A		37			
						3	A	MR	47			
						4	A	JM	47			
						3	A	GR	69			
						4	A		69			
12A			17080516			1	A		80			C
						34	A		87			
					3875	1	A		35			
						3	A	K	47			
						3	A	M	69			
					4000	34	A		35			
13	W		17080504	17064551	4000	1	F		87		ZH, 27	
						2	F	ST	87			B
13A			17080517									C
14	W/O		17080502		4000	1	F		87			
14A			17080516									C
15	W & WO		17080504	17064534	4000	1	F	P	87		V6, 28	
15A			17080517			2	F	VW	87			B C
17A	W	1103368	17080504	17064554	3625	1	Y		87		DR	A
17B			17080517									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: 083179. Revisions: A. EC 17A added by RC 01-97 Rev 1, B. Labels 26,27 & 28 added by letter ML-OP1112, on 101879. C. EC 12A, 13A, 14A, 15A, 17B added by RC 01-125, on 110579.