

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-169
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>
04E4UCD	231	Air Injection Exhaust Gas Recirculation Three Way Catalyst with Closed Loop (Turbo Charged)

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>
04E4UCD	0.39	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 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 11^{HA} day of September, 1979.

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

1980 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Executive Order No. A-6-169 Page 1
 Engine Family 04E4UCD Engine (CID) 231
 Evaporative Family OB4S-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
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Chevrolet

1	A	Z	37	Monte Carlo Sport Coupe
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Buick

4	A	H	69	Century Sedan
			87	Century Coupe
		K	47	Regal Sport Coupe
	L	69	Century Limited Sedan	
B	F	37	LeSabre Sport Coupe	
E	Y	57	Riviera "S" Type	
	Z	57	Riviera "Luxury"	

Issued: 090779. Riviervas added by RC 04-64 on 092079.

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

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-169

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Engine Family 04E4UCD 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 4V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label	Rev. Notes		
1A	W or WO	Delco Remy 1110784	Rochester 17080543	17062865	3625	1	A		37	A-3	NK	AD		
						4	A	47						
						4	A		69					
						4	A		87					
1B						1	A		37		NM	C		
						4	A		47					
						4	A		69					
						4	A		87					
3A	W		17080540	17062866	4000	4	B		37		NK	AD		
3B													NM	C
5													NC	B
5A													NL	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: 090779. Revisions: A. EC 1A & 3A, added by RC 04-56, included in original certification 090779. B. EC 5 added by RC 04-64 on 092079. C. EC 1B, 3B & 5A added by RC & FF 04-115, on 101779. D. Label ND corrected to NK by letter ML-OP1131, on 102579.