

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-243
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapter 2; 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 1983 model-year General Motors Corporation exhaust emission control systems are certified as described below for gasoline-powered passenger cars.

<u>Engine Family</u>	<u>Displacement Cubic Inches (Liters)</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
D4G3.0W2NEA4	181 (3.0)	Air Injection - Pump 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 emission standards for this engine family to be listed on the window decal required by California Assembly-Line Test Procedures for 1983 model-year vehicles:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.39	7.0	0.7

The following are the certification emission values for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.13	1.7	0.6

BE IT FURTHER RESOLVED: That the listed vehicle models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.15 of Title 13, California Administrative Code which includes repair or replacement of emission control components up to 7 years or 75,000 miles if found defective by the Executive Officer.

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."

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 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles."

BE IT FURTHER RESOLVED: That the Executive Officer has been provided 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 29th day of July, 1982.


K. D. Drachand, Chief
Mobile Source Control Division

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-243 Page 1

Engine Family D4G3.0W2NEA4 Evaporative Family 3B3-4C

Engine CID (Liters) 181 (3.0L)

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

- AIP-Air Injection-Pump
- AIV-Air Injection-Valve
- CL-Closed Loop
- EGR-Exhaust Gas Recirculation
- EM-Engine Modification
- OC-Oxidation Catalyst System
- TR-Thermal Reactor
- TWC-Three Way Catalyst System

Headings

- AIR COND-Air Conditioning
- BB-Basic Body
- BT-Body Type
- DI-Diesel Injection
- DIN-Diesel Injector Nozzles
- DIV-Division
- ECM-Electronic Control Module
- ETW-Equivalent Test Weight
- TLC-Tune-Up Label Code
- TNS-Transmission
- TM-Trim

Fuel System

- CFI, CL, DID, MFI, TBI
- nV-nVenturi Carburetor
- VV-Variable Venturi

Special Features

- CCV-Combustion Chamber Valve
- CFI-Central Fuel Injection
- DID-Diesel Injection-Direct
- DIP-Diesel Injection-Prechamber
- MFI-Mechanical Fuel Injection
- TC-Turbocharged
- TBI-Throttle Body Injection

<u>DIV</u>	<u>BB</u>	<u>TM</u>	<u>BT</u>	<u>MODEL NAME</u>	<u>DIV</u>	<u>BB</u>	<u>TM</u>	<u>BT</u>	<u>MODEL NAME</u>
3	A	G	19	Cutlass Ciera Sedan	4	A	G	19	Century T-Type Sedan
		J		Cutlass Ciera LS Sedan			H		Century Custom Sedan
		M		Cutlass Ciera Brougham Sedan			L		Century Limited Sedan
		G	27	Cutlass Ciera Coupe			G	27	Century T-Type Coupe
		J		Cutlass Ciera LS Coupe			H		Century Custom Coupe
		M		Cutlass Ciera Brougham Coupe			L		Century Limited Coupe

DRIVE AXLE: Front Wheel Drive

1983 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

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Engine Family D4G3.OW2NEA4 Exhaust Emission Control System AIP-CL-EGR-TWC

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	2V CARB PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES
181	1,1A, B 1B		16025014	17083193	17083793 17083825	3250	34	A		19	A-3	BLB	A B
	<u>1C</u>		<u>16028804</u> <u>16037954</u>	<u>17084195</u>	<u>17083819</u>							BLS	C E
	<u>1D,1E</u>		<u>16038134</u>										GH
	<u>2</u>		<u>16025194</u> <u>16037984</u>	<u>17084193</u>	<u>17083820</u>						A-4	BLP	DF E
	<u>2A,2B</u>		<u>16038154</u>										GH

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: Revisions: A. EC 1A added by RC 34-016. B. EC 1B added by RC 34-141. C. EC 1C added by RC 34-197. D. EC 2 added by RC 34-142. E. Optional ECM P/N 16037954 and 16037984 added by RC 34-227. F. Corrected carburetor P/N from 17083194 to 17084193. G. EC 1D and 2A added by RC 34-232. H. EC 1E and 2B added by RC 34-235.