

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-302  
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 1985 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>
F4G3.8W2NEY6	181, 231 (3.0, 3.8)	Air Injection - Pump Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop

Vehicle models, transmissions, engine codes and evaporative emission control families are listed on attachments.

The following are the certification emission standards for this engine family to be listed on the window decal required by "California Assembly-Line Test Procedures for 1983 and Subsequent Model-Year Passenger Cars, Light-Duty Trucks and Medium-Duty 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 the above engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.20	1.9	0.6

BE IT FURTHER RESOLVED: That the listed 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.

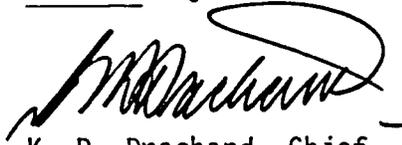
BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's high altitude requirements and highway emission standards as stipulated in "California Exhaust Emission Standards and Test Procedures for 1981 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

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 1<sup>st</sup> day of December, 1983.

  
K. D. Drachand, Chief  
Mobile Source Division

## 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-302 Page 1  
 Engine Family F4G3.8W2NEY6 Evaporative Family 5B3-4B  
 Engine CID (Liters) - Type 231/181 (3.8/3.0)

## 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,DIP,EFI,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  
 EFI-Electronic  
 Fuel 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>
2				PONTIAC	3				OLDSMOBILE
	G	J	37	Grand Prix		B	N	37	Delta 88 Royale Coupe
		K	37	Grand Prix LE				69	Delta 88 Royale Sedan
		P	37	Grand Prix Brougham			V	69	Delta 88 Royale Brougham LS Sedan
		N	69	Bonneville Sedan					
		R	69	Bonneville Brougham Sedan			Y	37	Delta 88 Royale Bougham Coupe
		S	69	Bonneville LE Sedan				69	Delta 88 Royale Brougham Sedan
3				OLDSMOBILE					
	A	J	19	Cutlass Ciera LS Sedan		C	W	11	Ninety-Eight Regency Brougham Coupe
			27	Cutlass Ciera LS Coupe				69	Ninety-Eight Regency Brougham Sedan
			35	Cutlass Cruiser Wagon					
		M	19	Cutlass Ciera Brougham Sedan			X	11	Ninety-Eight Regency Coupe
			27	Cutlass Ciera Brougham Coupe				69	Ninety-Eight Regency Sedan
						G	K	47	Cutlass Supreme Calais Coupe
							M	47	Cutlass Supreme Brougham Coupe
								69	Cutlass Supreme Brougham Sedan
							R	47	Cutlass Supreme Coupe
								69	Cutlass Supreme LS Sedan

DRIVE AXLE: Front Wheel Drive for A & C Basic Body  
 Rear Wheel Drive for B & G Basic Body

ISSUED:  
 0635P

REVISIONS: A. Added Oldsmobile "C" models by RC 54-003 and  
 miscellaneous corrections on 12-01-83.

## 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-302 Page 2

Engine Family F4G3.8W2NEY6 Evaporative Family 5B3-4B

Engine CID (Liters) - Type 231/181 (3.8/3.0)

<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>
4				BUICK					
	A	H	19	Century Custom Sedan					
			27	Century Custom Coupe					
			35	Century Custom Wagon					
		L	19	Century Limited Sedan					
			27	Century Limited Coupe					
			35	Century Limited Wagon					
	B	N	37	LeSabre Custom Coupe					
			69	LeSabre Custom Sedan					
		P	37	LeSabre Limited Coupe					
			69	LeSabre Limited Sedan					
	C	W	11	Electra Park Avenue Coupe					
			69	Electra Park Avenue Sedan					
		X	11	Electra "300" "380" Coupe					
			69	Electra "300" "380" Sedan					
	G	J	47	Regal Coupe					
		M	47	Regal Limited Coupe					

ISSUED: 12-01-83

REVISIONS: A. Miscellaneous corrections on 12-06-83.

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET  
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-302 Page 3

Engine Family F4G3.8W2NEY6 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	W & WO	16035894	17084195	17084763	3250	34	A		19	A-3	JKB	
						3500	34	A		35			D
	2		16034194	17084193		3250	4	A		27	A-4	JKD	
			16036234	17083194									
	2A		16041554			3375	4	A		19			B
	2B		16043534			3500	4	A		35			E
	3	W	16036234	17083194	17084765	3625	34	C		11		JKH(1)	A
				17084193			34	C		69		JKK(1)	
	3A		16041554										B
	3B		16043534										C
	4	W & W/O	16034204	17084191	17084749	3625	2	G		37	A-3	JDD	
							34	G		47			
							2	G		69			
							3	G	R	69			
						3750	3	G	M	69			
	5		16034224	17084191		4000	34	B		37			
							34	B		69			
	6		16046114	17084193	17084763	3250	4	A		27	A-4	JKD	F
				17083194		3375	4	A		19			

(1) Tune-up label code JKK will be used for Oldsmobile "C" models.  
Tune-up label code JKH will be used for Buick "C" models.

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 and equipment.

ISSUED: 12-01-83

REVISIONS: A. Added Oldsmobile C models by RC 54-003 on 12-01-83. B. EC 2A and 3A added by RC 54-002 on 12-06-83. C. EC 3B added by RC 54-010 on 01-05-84. D. Corrected ETW of Oldsmobile "A Wag" from 3375 to 3500 lbs on 02-23-84. E. EC 2B added by RC 54-029 on 03-16-84. F. EC 6 added by RC 54-030 on 04-04-84.

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