State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-303-1
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:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
F4G3.8V8XEB3	181, 231 (3.0, 3.8)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Electronic Fuel Injection)

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":

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.39	7.0	0.7

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

Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
0.30	3.3	0.4

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.

This Executive Order supersedes Executive Order A-6-303, dated November 29, 1983.

Executed at El Monte, California this 5th day of June, 1984.

K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-303-1 Page 1

Engine Family F4G3.8V8XEB3 Evaporative Family 5BO-4A

Engine CID (Liters) - Type 181 (3.0) and 231 (3.8) - V6

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

DIV	BB	TM	BT	MODEL NAME
2				PONTIAC
	N	E	27	Grand Am
		V	27	Grand Am LE
3				OLDSMOBILE
	A	J	19	Cutlass Ciera LS Sedan
			27	Cutlass Ciera LS Coupe
		M	19	Cutlass Ciera Brougham Sedan
			27	Cutlass Ciera Brougham Coupe
	C	W	11	Ninety-Eight Regency Brougham Coupe
			69	Ninety-Eight Regency Brougham Sedan
		X	11	Ninety-Eight Regency Coupe
			69	Ninety-Eight Regency Sedan
	N	F	27	Calais Coupe
		T	27	Calais Supreme Coupe
4				BUICK
	A	G	19	Century "T-Type" Sedan
			27	Century "T-Type" Coupe
		H	19	Century Custom Sedan
			27	Century Custom Coupe
		L	19	Century Limited Sedan
			27	Century Limited Coupe
	C	F	11	Electra "T-Type" Coupe
			69	Electra "T-Type" Sedan
		W	11	Electra Park Avenue Coupe
			69	Electra Park Avenue Sedan
		X	11	Electra "300", "380", "430" Coupe
			69	Electra "300", "380", "430" Sedan
	N	J	27	Somerset Regal Coupe
		M	27	Somerset Regal Limited Coupe

DRIVE AXLE: Front Wheel Drive

ISSUED: 11-03-83

REVISIONS: A. Added "N" models by RC 54-006 and EO number updated to A-6-303-1 on 04-24-84.

0611P/17P

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

Manufacturer General Motors Corporation Executive Order No. A-6-303-1 Page 2

Engine Family F4G3.8V8XEB3 Exhaust Emission Control System CL(EFI)-EGR-TWC

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	RAIL & INJECTOR PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
231	1	Y	16036284	25516453	17084713	3250	3	A	M	19	A-4	JSL	DE
							4	A	H	19			
							34	A		27			
						3375	3	A	J	19			
							4	A	G	19			
							4	A	L	19			
	2		16040584			3500	4	C	F	11		JSA(1)	
							4	C	X	11		JSC(1)	
	2A		16042594										A
						3625	3	C		11			
	2B		16041874				4	C	W	11			B
							34	C		69			
	2C		16044804										C
	2D		16047054										G
	2E,2F, 2G		16036244										IJ K
	3	N	16036284			3250	34	A		19		JSL	DE
							34	A		27			
181	4	B	16045174	25521339	17085910	3000	234	N		27	A-3	JNC	DFL
	4A		16045754										F
	4B		16049814										H

(1) Tune-up label code JSA will be used for Oldsmobile "C" model.
Tune-up label code JSC will be used for Buick "C" model.

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: 11-29-83

REVISIONS: A. EC 2A added by RC 54-001 on 11-17-83. B. EC 2B added by RC 54-004 on 12-09-83. C. EC 2C added by RC 54-016 on 02-10-84. D. EC 4 added by RC 54-006, updated TLC for EC 1 and 3 and EO number updated to A-6-303-1 on 04-24-84. E. Corrected TLC for EC 1 and 3 on 07-11-84. F. EC 4A added by RC 54-091 and Rail & Injector P/N corrected on 07-20-84. G. EC 2D added by RC 54-100 on 07-31-84. H. EC 4B added by RC 54-133 on 09-07-84. I. EC 2E added by RC 54-137 on 09-07-84. J. EC 2F added by RC 54-159 on 10-10-84. K. EC 2G added by RC 54-169 on 10-31-84. L. Corrected ETW for 3NF27 and 3NT27 on 01-14-85.

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

Manufacturer General Motors Corporation Executive Order No. A-6-303-1 Page 3

Engine Family F4G3.8V8XEB3 Exhaust Emission Control System CL(EFI)-EGR-TWC

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	RAIL & INJECTOR PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
231	5,5A, 5B	Y	16036284	25516453	17084713	3250	4	A	H	19	A-4	JSL	ABF
							3	A	J	27			DE
	6,6A, 6B	B					4	A	H	27			C
							4	A	L	27			C
						3375	3	A		19			
							4	A	G	19			
							4	A	L	19			
							3	A	M	27			F
							4	A	G	27			C
						3500	34	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 and equipment.

ISSUED: 11-29-83

REVISIONS: A. EC 5 and 6 added by RC 54-076 on 07-13-84. B. EC 5A and 6A added by RC 54-112 on 08-07-84. C. Clerical corrections to ETW for 4AG27 and 4AL19 models made in conjunction with RC 54-115 on 08-09-84. D. EC 5B and 6B added by RC 54-146 on 09-28-84. E. Air Cond designation for EC's 6, 6A and 6B revised from "N" to "B" by RC 54-169 on 10-31-84. F. Updated ETW from 3250 to 3375 for 3AM19 and 3AM27 models on 01-14-85.