State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-273
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 1984 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)
E4G3.8W2NEY5	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":

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
0.20	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 18th day of July, 1983.

K. D. Drachand, Chief
Mobile Source Control Division

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-273 Page 1

Engine Family E4G3.8W2NEY5 Evaporative Family 4B3-4E

Engine CID (Liters) 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, 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

DIV	BB	TM	BT	MODEL NAME
1				CHEVROLET
	B	N	47	Caprice Classic Coupe
			69	Caprice Classic Sedan
		L	69	Impala Sedan
	G	Z	37	Monte Carlo Sport Coupe
		W	80	El Camino
2				PONTIAC
	B	L	69	Parisienne Sedan
		T	69	Parisienne Brougham Sedan
	G	J	37	Grand Prix
		K	37	Grand Prix LE
		P	37	Grand Prix Brougham
		N	69	Bonneville Sedan
		R	69	Bonneville Brougham Sedan
		S	69	Bonneville LE Sedan
3				OLDSMOBILE
	A	J	19	Cutlass Ciera LS Sedan
			27	Cutlass Ciera LS Coupe
			35	Cutlass Cruiser Wagon
		M	19	Cutlass Ciera Brougham Sedan
			27	Cutlass Ciera Brougham Coupe
3				OLDSMOBILE
	B	N	37	Delta 88 Royale Coupe
			69	Delta 88 Royale Sedan
		Y	37	Delta 88 Royale Brougham Coupe
			69	Delta 88 Royale Brougham Sedan
	C	W	11	Ninety Eight Regency Brougham Coupe
			69	Ninety Eight Regency Brougham Sedan
	G	K	47	Cutlass Supreme Calais Coupe
		M	47	Cutlass Supreme Brougham Coupe
		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: 07-06-83

REVISIONS: 08-09-83 (clerical corrections).
11-30-83 (corrections of Pontiac models).

0204W/25W

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-273 Page 2

Engine Family E4G3.8W2NEY5 Evaporative Family 4B3-4E

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

DIV	BB	TM	BT	MODEL NAME	DIV	BB	TM	BT	MODEL NAME
4				BUICK					
	A	H	19	Century Custom Sedan					
		L	19	Century Limited Sedan					
		G	19	Century "T-Type" Sedan					
		H	27	Century Custom Coupe					
		L	27	Century Limited Coupe					
		G	27	Century "T-Type" Coupe					
	A	H	35	Century Custom Wagon					
		L	35	Century Limited Wagon					
	B	P	37	LeSabre Limited Coupe					
		N	69	LeSabre Limited Sedan					
		P	69	LeSabre Custom Sedan					
	C	X	11	Electra "300" "380" Coupe					
			69	Electra "300" "380" Sedan					
	G	J	47	Regal Coupe					
			69	Regal Sedan					
		M	47	Regal Limited Coupe					
			69	Regal Limited Sedan					

ISSUED: 07-06-83 REVISIONS:

0204W/

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-273 Page 1

Engine Family E4G3.8W2NEY5 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 B	T M	BT	TNS	TLC	REV. NOTES
181	1	W & W/O	16035884	17084195	17084763	3250	34	A		19 27	A3	NKB	
						3500				35			
	2	W	16034184	17084193 17083194		3250	3 34	A		19 27	A4	NKD	
						3375	4 3			19 35			
						3500	4			35			
	3	W/O				3250	3 34	A		19 27	A4		
						3375	4 3			19 35			
						3500	4			35			
	4	W	16036224	17083194 17084193		3500	34	C		11		NKM,NKP(1)	
						3625	34			69			
	5	W/O				3500	34	C		11			
						3625	34			69			

(1) Tune-up label code NKM will be used for Buick "C" models.
Tune-up label code NKP will be used for Oldsmobile "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, equipment and frontal area.

ISSUED: 07-06-83 REVISIONS:

0204W/

1984 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-273 Page 2

Engine Family E4G3.8W2NEY5 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 B	T M	BT	TNS	TLC	REV. NOTES
231	6	W & W/O	16034204	17084191	17084749	3625	2	G		37	A3	NDM	
							3		R	47			
							4			47			
							4			69			
						3750	3	G	K	47			
							3			69			
	7		16034224	17084191		3875	1	B		47		NDK	
							1			69			
							2		L	69			
						4000	34	B	L	37			
							1			69			
							2		T	69			
							34			69			

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.

ISSUED: 07-06-83 REVISIONS:

0204W/