

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER E.O. A-6-374
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 1987 model-year General Motors Corporation 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>
H2G5.0W4NBA6	307 (5.0)	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 emission standards for this engine family:

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per mile</u>
0.39	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>
0.26	3.2	0.5

BE IT FURTHER RESOLVED: That the listed models were certified to the optional NOx emission standard thereby making the vehicle manufacturer subject to Section 1960.1.5 of Title 13, California Administrative Code which includes recall liability for 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 listed vehicle models also comply with the "California Motor Vehicle Tune-Up Label Specifications" (Title 13, California Administrative Code, Section 1965) for the aforementioned model year.

BE IT FURTHER RESOLVED: That for the listed vehicles, the manufacturer has submitted and the Executive Officer hereby approves the materials to demonstrate certification compliance with the Board's emission control system warranty regulations (Title 13, California Administrative Code, Section 2035 et seq.).

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 5th day of March, 1986.



K. D. Drachand, Chief
Mobile Source Division

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-374 Page 1Engine Family H2G5.0W4NBA6 Evaporative Family 7B4-2B, 7B4S-2BEngine CID (Liters) - Type 307 (5.0) - V8

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
 nV-nVenturi Carburetor
 VV-Variable Venturi

Special Features

CCV-Combustion Chamber Valve
 CFI-Central Fuel Injection
 DID-Diesel Injection-Direct
 DIP-Diesel Injection-Prechamber
 EFI-Electronic Fuel Injection
 IC-Intercooler
 MFI-Mechanical Fuel Injection
 TC-Turbocharger

<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>
1				CHEVROLET	4				BUICK
	B	L	35	Caprice Station Wagon	G	J		47	Regal Coupe
		N	35	Caprice Classic Station Wagon		M		47	Regal Limited Coupe
			47	Caprice Classic Coupe	B	R		35	LeSabre Estate Wagon
			69	Caprice Classic Sedan		V		35	Electra Estate Wagon
	L		69	Impala Sedan					
2				PONTIAC	6				CADILLAC
	B	L	35	Parisienne Safari Wagon	D	W		69	Brougham Sedan
3				OLDSMOBILE					
	B	P	35	Custom Cruiser					
	G	K	47	Cutlass Salon Coupe					
		M	47	Cutlass Supreme Brougham Coupe					
		M	69	Cutlass Supreme Brougham Sedan					
		R	47	Cutlass Supreme Coupe					
	R		69	Cutlass Supreme Sedan					

DRIVE AXLE: Rear

ISSUED: 03-05-86

REVISIONS: A. Pontiac B models deleted on 04-01-86.
 B. Chevrolet 1BL35 model added and Cadillac 6DW47 deleted by RC 72-014 on 06-02-86.

0513Q/53Q

1987 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-374 Page 2

Engine Family H2G5.0W4NBA6 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	CARB PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES
307	1	W/WO	16061163	17086008	17085749	3750	3	G	MR	47	A-3	SAB	
							4	G		47			
							3	G	R	69			
						3875	3	G	K	47			
							3	G	M	69			
	<u>2</u>		16061183			3875	34	G		47	A-4		
							3	G		69			
						4250	1	B		47			A
							1	B		69			
	<u>3,3A</u>		16061223		17085748	4250	6	D		69			B,C
	<u>4,4A</u>					4500	1234	B		35			B
	<u>5</u>		16061293	17086009	17086013	3875	3	G		47			SAD

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: 03-05-86

REVISIONS: A. Pontiac B models deleted on 04-01-86.
B. Engine codes 3A and 4A added by RC 72-005 on 04-18-86.
C. Cadillac model 6DW47 deleted by RC 72-014 on 06-02-86.