

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-301  
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>
F2G2.5V5TPG8	151 (2.5)	Exhaust Gas Recirculation Three-Way Catalyst with Closed Loop (Central 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":

<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
0.41	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>
0.32	1.9	0.3

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 3<sup>rd</sup> day of August, 1984.



K. D. Drachand, Chief  
Mobile Source Division

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Manufacturer General Motors Corporation Executive Order No. A-6-301 Page 1

Engine Family F2G2.5V5TPG8 Evaporative Family 5A0-2A, 5B0-2A

Engine CID (Liters) - Type 151 (2.5)

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>
1				CHEVROLET	2				PONTIAC
	A	W	19	Celebrity Sedan		A	F	19	6000 Sedan
			27	Celebrity Coupe				27	6000 Coupe
			35	Celebrity Station Wagon				35	6000 Wagon
	F	P	87	Camaro Sport Coupe			G	19	6000 LE Sedan
	X	H	11	Citation II Coupe				27	6000 LE Coupe
		X	08	Citation II Hatchback Coupe				35	6000 LE Wagon
			68	Citation II Hatchback Sedan		F	S	87	Firebird
						N	E	27	Grand Am
							V	27	Grand Am LE
						P	E	37	Fiero Coupe
							F	37	Fiero SE Coupe
							M	37	Fiero Sport Coupe

DRIVE AXLE: Front Wheel Drive for A, N, and X Basic Body  
 Rear Wheel Drive for F and P Basic Body

ISSUED:

REVISIONS:

0721P

## 1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-301 Page 2Engine Family F2G2.5V5TPG8 Evaporative Family 5A0-2A, 5B0-2AEngine CID (Liters) - Type 151 (2.5)

<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				OLDSMOBILE	4				BUICK
	A	J	19	Cutlass Ciera LS Sedan		A	H	19	Century Custom Sedan
			27	Cutlass Ciera LS Coupe				27	Century Custom Coupe
			35	Cutlass Cruiser Wagon				35	Century Custom Wagon
		M	19	Cutlass Ciera Brougham Sedan			L	19	Century Limited Sedan
			27	Cutlass Ciera Brougham Coupe				27	Century Limited Coupe
	N	F	27	Calais Coupe				35	Century Estate Wagon
		T	27	Calais Supreme Coupe		N	J	27	Somerset Regal Coupe
							M	27	Somerset Regal Limited Coupe
						X	B	69	Skylark Custom Sedan
							C	69	Skylark Limited Sedan

DRIVE AXLE: Front Wheel Drive for A, N and X Basic Body

ISSUED:

REVISIONS:

0721P

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

Manufacturer General Motors Corporation Executive Order No. A-6-301 Page 3

Engine Family F2G2.5V5TPG8 Exhaust Emission Control System EGR, TWC, CL (CFI)

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	TBI ASM PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES	
151	<u>1</u> <u>1A</u>	W/NO	<u>16046232</u> <u>16051192</u>	17085062	17084743	2875	1	X		08	A-3	P8H	B	
							1	X	11					
							3000	1	X	68				
								4	X	69				
								3125	12 4	A	19			
									1234	A	27			
								3250	3	A	19			C
								2875	1	X	08			
								1	X	11				A
								3000	1	X	68			B
									4	X	69			
								3125	12 4	A	19			
									1234	A	27			
								3250	3	A	19			C
									1	A	35			
							3375	234	A	35				
							3250	12	F	87	A-4	P8S		
													B	

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:

REVISIONS: A. Added engine code 2A by RC 52-113 on 08-10-84.  
B. Added engine codes 1A, 2B, and 5B by RC 52-180 on 12-13-84. C. Increased ETW from 3125 to 3250 lbs for models 3AJ19 and 3AM19 on 12-17-84.

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

Manufacturer General Motors Corporation Executive Order No. A-6-301 Page 3.1

Engine Family F2G2.5V5TPG8 Exhaust Emission Control System EGR, TWC, CL (CFI)

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	TBI ASM PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES
151	<u>6</u> 6A	W/WO	<u>16046342</u> <u>16051232</u>	17085065	17084743	3000	2	P		37	A-3	P8K	C
	<u>7</u> 7A		<u>16046282</u> <u>16051222</u>	17085068 17085069	17084743 17085939	2875 3000	2 2	N N N	E N V	27 27 27		P8C	ABC D
	<u>11</u>		<u>16039032</u>	17085062	17084743	2875	1 1 1 4	X X X X		08 11 68 69	M-4	P8H	
						3000	4	X	C	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 and equipment.

ISSUED: 08-03-84

REVISIONS: A. Optional EGR valve P/N added by RC 52-111 on 08-03-84. B. Optional TBI ASM P/N added by RC 52-190 on 11-29-84. C. Added engine codes 6A and 7A on by RC 52-180 on 12-13-84. D. Increased TWC of model 2NV27 by RC 52-200 on 01-31-85.

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GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-301 Page 4

Engine Family F2G2.5V5TPG8 Exhaust Emission Control System EGR, TWC, CL (CFI)

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	TBI ASM PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES
151	11A	W/WO	16047902	17085062	17084743	2875	1	X		08	M-4	P8H	
							1	X		11			
							1	X		68			
							4	X	B	69			
						3000	4	X	C	69			
	<u>I2</u>		<u>I6039042</u>			2875	1	X		08			
							1	X		11			
							1	X		68			
							4	X	B	69			
						3000	1	A		27			
							4	X	C	69			
						3125	1	A		19			
						3250	1	A		35			
	<u>I5</u>		<u>I6038872</u>			3250	12	F		87		P8S	
	<u>I6</u>		<u>I6046332</u>			3250	12	F		87	M-5		
	<u>I7</u>		<u>I6046292</u>	<u>17085068</u>	<u>17084743</u>	<u>2875</u>	<u>234</u>	<u>N</u>		<u>27</u>		<u>P8C</u>	
				<u>17085069</u>	<u>17085939</u>								AB
				<u>17085065</u>	<u>17084743</u>	<u>2875</u>	<u>2</u>	<u>P</u>	<u>FM</u>	<u>37</u>		<u>P8K</u>	
		<u>W/O</u>				<u>2875</u>	<u>2</u>	<u>P</u>	<u>E</u>	<u>37</u>			
	<u>I7A</u>	<u>W/WO</u>	<u>I6051052</u>	<u>17085068</u>	<u>17084743</u>	<u>2875</u>	<u>234</u>	<u>N</u>		<u>27</u>		<u>P8C</u>	<u>C</u>
				<u>17085069</u>	<u>17085939</u>								
				<u>17085065</u>	<u>17084743</u>	<u>2875</u>	<u>2</u>	<u>P</u>	<u>FM</u>	<u>37</u>		<u>P8K</u>	
		<u>W/O</u>				<u>2875</u>	<u>2</u>	<u>P</u>	<u>E</u>	<u>37</u>			

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:

REVISIONS: A. Optional EGR valve P/N added by RC 52-111 on 08-03-84. B. Optional TBI ASM P/N added by RC 52-190 on 11-28-84. C. EC 17A added by RC 52-175 on 12-07-84.

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