

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-314
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>
FIG5.0W4NEAD	305 (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 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>
0.17	4.5	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 31st day of July, 1984.



K. D. Drachand, Chief
Mobile Source Division

1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-314 Page 1
 Engine Family F1G5.0W4NEAO Evaporative Family 5B4-1B, 5B4H-1B, 5B4S-1B
 Engine CID (Liters) - Type 305 (5.0)

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>
1				CHEVROLET	2				PONTIAC
	B	L	69	Impala Sedan		B	L	35	Parisienne Brougham Station Wagon
		N	35	Caprice Classic Station Wagon				69	Parisienne Sedan
			47	Caprice Classic Coupe			T	69	Parisienne Brougham Sedan
			69	Caprice Classic Sedan		F	S	87	Firebird
	F	P	87	Camaro Sport Coupe			W	87	Firebird Trans Am
		S	87	Camaro Berlinetta Sport Coupe			X	87	Firebird S/E
	G	W	80	El Camino/Caballero		G	J	37	Grand Prix
		Z	37	Monte Carlo Sport Coupe			K	37	Grand Prix LE
							N	69	Bonneville Sedan
							P	37	Grand Prix Brougham
							R	69	Bonneville Brougham Sedan
							S	69	Bonneville LE Sedan

DRIVE AXLE: Rear Wheel

ISSUED:

REVISIONS:

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

Manufacturer General Motors Corporation Executive Order No. A-6-314 Page 2

Engine Family F1G5.0W4NEA0 Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	4V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES
305	51	W & WO	16045171	17085204	17084737	4000	1	B	T	47	A-4	UBH	
							1	B	L	69			
						4250	1	B	N	69			
							2	B		69			
	<u>57</u>		<u>16045181</u>		<u>17084738</u>	<u>4500</u>	<u>12</u>	<u>B</u>		<u>35</u>			
	<u>59</u>		<u>16045191</u>			<u>4500</u>	<u>12</u>	<u>B</u>		<u>35</u>			
	<u>61</u>		<u>16036631</u>		<u>17084735</u>	<u>3625</u>	<u>1</u>	<u>G</u>		<u>37</u>	<u>A-3</u>		
						<u>3750</u>	<u>2</u>	<u>G</u>		<u>37</u>			
							<u>2</u>	<u>G</u>		<u>69</u>			
	<u>63</u>		<u>16046131</u>			<u>3750</u>	<u>1</u>	<u>G</u>		<u>37</u>	<u>A-4</u>		
							<u>2</u>	<u>G</u>		<u>69</u>			
						<u>3875</u>	<u>2</u>	<u>G</u>		<u>37</u>			
	<u>65</u>		<u>16036641</u>			<u>3750</u>	<u>1</u>	<u>G</u>		<u>37</u>			
							<u>2</u>	<u>G</u>		<u>69</u>			
						<u>3875</u>	<u>2</u>	<u>G</u>		<u>37</u>			
	<u>67</u>		<u>16036701</u>	<u>17085202</u>	<u>17084737</u>	<u>3875</u>	<u>1</u>	<u>G</u>		<u>37</u>			<u>UBU</u>
													<u>UND</u>
													<u>A</u>
	<u>69</u>		<u>16036671</u>	<u>17085204</u>		<u>3875</u>	<u>1</u>	<u>G</u>		<u>80</u>	<u>A-3</u>	<u>UBH</u>	
	<u>71</u>		<u>16036681</u>			<u>3875</u>	<u>1</u>	<u>G</u>		<u>80</u>	<u>A-4</u>		
	<u>73</u>		<u>16046141</u>			<u>3875</u>	<u>1</u>	<u>G</u>		<u>80</u>			
	<u>75</u>		<u>16036601</u>		<u>17084735</u>	<u>3750</u>	<u>12</u>	<u>F</u>		<u>87</u>			<u>UBJ</u>
	<u>77</u>		<u>16036591</u>	<u>17085207</u>	<u>17084736</u>	<u>3625</u>	<u>12</u>	<u>F</u>		<u>87</u>	<u>M-5</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 tune-up label code added by RC 51-186
on 12-7-84

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

Manufacturer General Motors Corporation Executive Order No. A-6-314 Page 3

Engine Family F1G5.OW4NEAO Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	4V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B B	T M	BT	TNS	TLC	REV. NOTES
305	79	W & WO	16041981	17085203	17084737	3625	2	F		87	M-5	UBT UNC	B
						3750	1	F		87			
	79A		16041961			3625	2	F		87			A
						3750	1	F		87			
	81		16036601	17085204	17084735	3625	12	F		87	A-4	UBJ	
	83		16036591	17085207	17084736	3625	2	F		87	M-5		
	89		16046161	17085204	17084735	3625	1	G		37	A-3	UBH	
						3750	2	G		37			
							2	G		69			

Comments: See page one for abbreviations and evaporative emission family identification
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based on model and equipment.

ISSUED:

REVISIONS: A. EC 79A added by RC 51-103 on 08-01-84.

B. Optional tune-up label code added by RC 51-186 on 12-7-84

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1985 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corporation Executive Order No. A-6-314 Page 1
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 Engine CID (Liters) - Type 305 (5.0)

ABBREVIATIONS

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Headings

AIR COND-Air Conditioning
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 DI-Diesel Injection
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 ECM-Electronic Control Module
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 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
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 MFI-Mechanical Fuel Injection
 TC-Turbocharged
 TBI-Throttle Body Injection
 EFI-Electronic Fuel Injection

<u>V</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
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		N	35	Caprice Classic Station Wagon				69	Parisienne Sedan
			47	Caprice Classic Coupe				69	Parisienne Brougham Sedan
	F	P	87	Camaro Sport Coupe		F	S	87	Firebird
		S	87	Camaro Berlinetta Sport Coupe			W	87	Firebird Trans Am
	G	W	80	El Camino/Caballero			X	87	Firebird S/E
		Z	37	Monte Carlo Sport Coupe		G	J	37	Grand Prix
							K	37	Grand Prix LE
							N	69	Bonneville Sedan
							P	37	Grand Prix Brougham
							R	69	Bonneville Brougham Sedan
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DRIVE AXLE: Rear Wheel

ISSUED:

REVISIONS:

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

Manufacturer General Motors Corporation Executive Order No. A-6-314 Page 2

Engine Family F1G5.OW4NEAO Exhaust Emission Control System AIP, EGR, TWC, CL

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	4V CARB. PART NO.	EGR VALVE PART NO.	ETW	DIV	B	T	BT	TNS	TLC	REV. NOTES
305	51	W & WO	16045171	17085204	17084737	4000	1	B		47	A-4	UBH	
							1	B	L	69			
						4250	1	B	N	69			
							2	B		69			
	57		16045181		17084738	4500	12	B		35			
	59		16045191			4500	12	B		35			
	61		16036631		17084735	3625	1	G		37	A-3		
						3750	2	G		37			
							2	G		69			
	63		16046131			3750	1	G		37	A-4		
							2	G		69			
						3875	2	G		37			
	65		16036641			3750	1	G		37			
							2	G		69			
						3875	2	G		37			
	67		16036701	17085202	17084737	3875	1	G		37			UBU UND A
	69		16036671	17085204		3875	1	G		80	A-3	UBH	
	71		16036681			3875	1	G		80	A-4		
	73		16046141			3875	1	G		80			
	75		16036601		17084735	3750	12	F		87			UBJ
	77		16036591	17085207	17084736	3625	12	F		87	M-5		

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 tune-up label code added by RC 51-186
on 12-7-84

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GASOLINE-FUELED PASSENGER CARS

Manufacturer General Motors Corporation Executive Order No. A-6-314 Page 3

Engine Family F1G5.0W4NEAO Exhaust Emission Control System AIP, EGR, TWC, CL

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305	79	W & WO	16041981	17085203	17084737	3625	2	F		87	M-5	UBT	
						3750	1	F		87			
	79A		16041961			3625	2	F		87			A
						3750	1	F		87			
81			16036601	17085204	17084735	3625	12	F		87	A-4	UBJ	
83			16036591	17085207	17084736	3625	2	F		87	M-5		
89			16046161	17085204	17084735	3625	1	G		37	A-3	UBH	
						3750	2	G		37			
							2	G		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:

REVISIONS: A. EC 79A added by RC 51-103 on August 1, 1984

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