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:

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
F1G5.0W4NEAO	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":

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
0.17	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

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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

DIV	BB	TM	BT	MODEL NAME
1				CHEVROLET
	B	L	69	Impala Sedan
		N	35	Caprice Classic Station Wagon
			47	Caprice Classic Coupe
			69	Caprice Classic Sedan
	F	P	87	Camaro Sport Coupe
		S	87	Camaro Berlinetta Sport Coupe
	G	W	80	El Camino/Caballero
		Z	37	Monte Carlo Sport Coupe

DIV	BB	TM	BT	MODEL NAME
2				PONTIAC
	B	L	35	Parisienne Brougham Station Wagon
			69	Parisienne Sedan
		T	69	Parisienne Brougham Sedan
	F	S	87	Firebird
		W	87	Firebird Trans Am
		X	87	Firebird S/E
	G	J	37	Grand Prix
		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 F1G5.0W4NEAO 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	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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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 F1G5.0W4NEA0 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 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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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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ECM-Electronic Control Module
ETW-Equivalent Test Weight
TLC-Tune-Up Label Code
TNS-Transmission
TM-Trim

Fuel System
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nV-nVenturi Carburetor
VV-Variable Venturi

Special Features
CCV-Combustion Chamber Valve
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		P	37	Grand Prix Brougham
		R	69	Bonneville Brougham Sedan
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DRIVE AXLE: Rear Wheel

ISSUED: REVISIONS:

0715P

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 F1G5.0W4NEAO 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	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			
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						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		
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	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
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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 F1G5.0W4NEA0 Exhaust Emission Control System AIP, EGR, TWC, CL

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

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