State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-306
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)
F6G4.1W5NKA2	249	(4.1)	Air Injection - Pump 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":

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
0.23	1.5	0.4

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 16th day of November, 1983.

K. D. Drachand, Chief
Mobile Source Division

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

Manufacturer General Motors Corporation Executive Order No. A-6-306 Page 2

Engine Family F6G4.1W5NKA2 Exhaust Emission Control System AIP-EGR-TWC-CL (CFI)

ENG. CID	ENG. CODE	AIR COND	ECM PART NO.	TBI PART NO.	EGR VALVE PART NO.	ETW	DIV	BB	TM	BT	TNS	TLC	REV. NOTES
249	1	Y	16041486	17084034 17084038 17084042 17085030	17084706	3750	6	C		69	A-4	MAD	A D K
	1A		16041556			3625	6	C		47			BC
	1B		16043506	17085030 17084042									H
	1C			17085011									J
	1D		16052136										N
	2,2A		16041786	17085032	17085883	4250	6 6	D D		47 69		MCR	EFL
	3,3A		16041836 16041846	17085031	17085885	4250	6	K		69			EGL
	3C		16050196 16050206			4000	6	E		57			M

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: 11-16-83

REVISIONS: A. TBI P/N 17084038 added by RC 56-007 on 12-15-83. B. ECM P/N 16041556 added by RC 56-012 on 01-10-84. C. Models moved from 3750 to 3625 ETW by RC 56-011 on 01-13-83. D. TBI P/N 17084042 added by RC 56-014 on 01-31-84. E. Engine codes 2 and 3 added by RC 56-033 on 04-11-84. F. Engine code 2A added by RC 56-048 on 05-29-84. G. Engine code 3A added by RC 56-049 on 05-31-84. H. Engine code 1B added by RC 56-090 on 07-13-84. J. Engine code 1C added by RC 56-120 on 08-16-84. K. Optional TBI P/N 17085030 added by RC 56-127 on 08-28-84. L. Engine codes 2B and 3B added by RC 56-128 on 09-05-84. Engine codes 2B and 3B cancelled on 09-21-84. M. Engine code 3C added by RC 56-151 on 10-03-84. N. Engine code 1D added by RC 56-191 on 12-13-84.

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Engine Family F6G4.1W5NKA2 Evaporative Family 5BO-6A

Engine CID (Liters) 249 (4.1L)

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
				CADILLAC
	C	B	47	Fleetwood Coupe
			69	Fleetwood Sedan
		D	47	Coupe deVille
			69	Sedan deVille
	D	W	47	Fleetwood Brougham Coupe
			69	Fleetwood Brougham Sedan
	E	L	57	Eldorado
	K	S	69	Seville

DRIVE AXLE: Front Wheel Drive for "C", "E" and "K" Basic Bodies
Rear Wheel Drive for "D" Basic Bodies

ISSUED: 11-16-83 REVISIONS:

0595P/17P