State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-195
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code Sections 43100, 43102, 43103, and 43835; 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 General Motors Corporation exhaust emission control systems are certified as described below for 1981 model-year gasoline-powered passenger cars.

Engine Family	Displacement Cubic Inches (Liters)	Exhaust Emission Control Systems (Special Features)
11L4ACJ	305, 350 (5.0, 5.7)	Air Injection - Pump Exhaust Gas Recirculation Three Way Catalyst System with Closed Loop

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1981 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
11L4ACJ	0.16	3.9	0.6

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 Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles".

BE IT FURTHER RESOLVED: That General Motors Corporation has provided to the Executive Officer 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 4th day of August, 1980.

K. D. Drachand, Chief
Mobile Source Control Division

1981 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

Manufacturer General Motors Corp. **Executive Order No.** A-6-195 **Page** 1

Engine Family 11L4ACJ **Evaporative Family** 1B4S-1 (except Corvette)

ABBREVIATIONS **Engine CID (Liters)** 305, 350 (5.0, 5.7)

Evaporative Family 1D4LS-1 (Corvette)

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

Special Features
CCV-Combustion Chamber Valve
CFI-Central Fuel Injection
DI-Diesel Injection
EFI-Electronic Fuel Injection
MFI-Mechanical Fuel Injection
TC-Turbocharged

Fuel System
CFI, DI, EFI, MFI
nV-nVenturi Carburetor
VV-Variable Venturi

Division	Basic Body	Trim	Body Type	
1				CHEVROLET
	A	T	27	Malibu Sport Coupe
		W	27	Malibu Classic Sport Coupe
		T	35	Malibu Station Wagon
		W	35	Malibu Classic Station Wagon
		Z	37	Monte Carlo Sport Coupe
		T	69	Malibu Sedan
		W	69	Malibu Classic Sedan
		W	80	Caballero
		W	80	El Camino
	B	L	35	Impala Station Wagon
		N	35	Caprice Classic Station Wagon
		L	47	Impala Sport Coupe
		N	47	Caprice Classic Sport Coupe
		L	69	Impala Sedan
		N	69	Caprice Classic Sedan
	F	P	87	Camaro Sport Coupe
		S	87	Camaro Berlinetta Coupe
		Y	87	Corvette Coupe

Division	Basic Body	Trim	Body Type	
2				PONTIAC
	F	V	87	Firebird Formula
		W	87	Firebird Trans Am
3				OLDSMOBILE
	A	G	35	Cutlass Cruiser
		H	35	Cutlass Cruiser Brougham

Issued: 080480. Firebird models added by RC 11-04, approved 101780.

E.O. Bob

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-195 Pg. 2

Engine Family 11L4ACJ Engine CID 305 Transm. _____

Exhaust Emission Control System AIP,EGR,TWC,CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
25	W	Delco Electron-ics 16013801 16019071	Rochester 17081204	17075616	3875	1 1	A A	T	35 80	A-3	AWH	B A C
					4000	1 3 1 1	A A B B	W L L	35 35 47 69			
					4250	1 1	B B	N N	47 69			
26	W/O		17081202		3750	1	A		80			
					3875	1	A		35			
					4000	1 1	B B	 L	47 69			
					4250	1	B	N	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, equipment and frontal area.

Date of Issue: 080480. Revisions: A. ECM column was Ign. Syst. column (format updated)092280. B. Label code AWH added by letter ML-1C026; C. ECM 16019071 added by RC 11-187, on 120580.

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-195

Engine Family 11L4ACJ Engine CID 305 Transm. _____

Exhaust Emission Control System AIP,EGR,TWC,CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
27	W	Delco Electronics 16011871 16019101	Rochester 17081204	17075616	3875	1	A		80	A-3	AWH	B
					4000	1 3	A		35			A C
						1	B	L	47			
					4250	1	B	N	47			
						1	B		69			
28	W/O		17081202		3750	1	A		80			
					3875	1	A		35			
					4000	1	B		47			
						1	B	L	69			
					4250	1	B	N	69			
29	W	16014081 16019081	17081204	17062707	4500	1	B		35	A-4		A C
30	W/O		17081202		4500	1	B		35			

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.

Date of Issue: 080480. Revisions: A. ECM column was Ign. Syst. column (format updated) 092280.
B. Label code AWH added by letter ML-1C026; C. ECMs 16019101, 9081 added by RC 11-187, on 120580.

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-195 Pg. 4

Engine Family 11L4ACJ Engine CID 305 Transm. _____

Exhaust Emission Control System AIP,EGR,TWC,CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
31	W	Delco Electron-ics 16013801	Rochester 17081204	17058427	3750	1 1 1	A A A		27 37 69	A-3	AWH	B
32	W/O	16019071	17081202		3625	1	A		27			A C
					3750	1 1	A A		37 69			
33	W	16011871 16019101	17081204		3750	1 1 1	A A A		27 37 69			A C
34	W/O		17081202		3750	1 1 1	A A A		27 37 69			
35	W	16013821 16019111	17081204	17062705	3875	1	F	P	87		AWJ	A B C
					4000	1	F	S	87			
36	W/O		17081202		3875	1	F		87			

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.

Date of Issue: 080480. Revisions: A. ECM column was Ign.Syst.column (format updated) 092280.
B. Label codes AWH, AWJ added by letter ML-1C026; C. ECMs 16019071, 9101, 9111 added by RC 11-187, on 120580.

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-195

Engine Family 11L4ACJ Engine CID 305 Transm. _____

Exhaust Emission Control System AIP, EGR, TWC, CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions (Ref. Notes)	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
37	W	Delco Electron-ics 16017701 16019091	Rochester 17081218	17075616	4000	1	B	L	47	A-3	AWH	B
					4250	1 1	B B	N	47 69			C
38	WO		17081216		4000	1 1	B B	L	47 49			
					4250	1	B	N	69			
53	W	16016051	17081207	17062706	3875	1 (7)	F		87	M-4	AUJ	A D
54	WO		17081203		3750 3875	1 (7) 1	F F	P S	87 87			
55	W		17081207		4000 4000	1 (8) 2	F F		87 87			
56	WO		17081203		3875 4000	1 (8) 2	F F		87 87			

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. (7) except Z28. (8) with Z28.

Date of Issue: 080480. Revisions: EC 47, 48, 49 moved to pg. 6; A. EC 53 thru 56 added by RC 11-04, on 101780. B. Label code AWH added by letter ML-1C026; C. ECM 16019091 added by RC 11-187, on 120580. D. Label code AUJ added by letter ML-1P1231, on 012781.

AIR RESOURCES BOARD 1981 SUPPLEMENTAL DATA SHEET - GM FORMAT
Gasoline-fueled Passenger Car

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-195

Engine Family 11L4ACJ Engine CID 350 Transm. _____

Exhaust Emission Control System AIP, EGR, TWC, CL

Eng. Code	Air Cond.	Electron. Control Module Part No.	Fuel System 4V Carburetor Part No.	EGR Valve Part No.	Test Wt. Class	Divisions (Ref Notes)	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label Code	Rev. Notes
47	W	Delco Electronics 16013831	Rochester 17081218	17062706	4000	1	F	P	87	A-3	AWM	D
47A		16018411										B
48	WO	16013831	17081216		4000	1	F	P	87			
48A		16018411										B
49	W	16013841	17081218		3625	1	Y		87		AWN	D
49A		16018421										B
57		16011681	17081217	17062705	3625	1	Y		87	M-4	ALX	A D
57A		16018431										B
43	W	16016061	17081218	17058427	3875	1 (9) 1 (9)	A A		27 69	A-3	AWK	C
44	WO		17081216		3750	1 (9) 1 (9)	A A		27 69			
45	W		17081218	17075615	4250	1 (9) 1 (9)	B B		47 69			
46	WO		17081216		4250	1 (9) 1 (9)	B B		47 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, equipment and frontal area. (9) with 9C1 Police Options.

Date of Issue: 092580 Revisions: EC 47, 48, 49 moved from pg. 5 to new pg. 6; A. EC 57 added by RC 11-04, on 101780. B. EC 47A, 48A, 49A, 57A added by RC 11-64, on 102480. C. EC 43 thru 46 added by RC 11-52, on 121680. D. Labels AWM, AWN, ALX added by letter ML-1P1231, on 012781.