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State of California
Air Resources Board

EXECUTIVE ORDER A-6-85
Relating to Certification of New Motor Vehicles

GENERAL MOTORS CORPORATION

Pursuant to the authority vested in the Air Resources Board by Sections 43100, 43102, and 43103 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-45-3;

IT IS ORDERED AND RESOLVED: That General Motors Corporation exhaust emission control systems for 1977 model-year passenger cars are certified for the engine family described below:

Engine Family: 710J4S
Engine: 350
Transmission: 3-speed automatic
Exhaust Emission Control Systems: Air injection, Early fuel evaporation, Exhaust gas recirculation, Oxidation catalyst.

Model: Chevrolet

Nova 2 Door Coupe
Nova 2 Door Hatchback Coupe
Nova 4 Door Sedan
Concours 2 Door Coupe
Concours 2 Door Hatchback Coupe
Concours 4 Door Sedan
Camaro
Camaro "Type LT"
Corvette
Malibu 4 Door Sport Sedan
Malibu Classic 4 Door Sport Sedan
Malibu 2 Door Sport Coupe
Malibu Classic 2 Door Sport Coupe
El Camino
El Camino Classic
Monte Carlo
Impala 4 Door Sedan
Impala 2 Door Coupe
Caprice Classic 2 Door Coupe
Caprice Classic 4 Door Sedan
Impala 2 Seat Station Wagon

SUPERSEDED

Caprice Classic 2 Seat Station Wagon
Malibu 2 Seat Station Wagon
Malibu Classic 2 Seat Station Wagon

GMC

Sprint
Sprint Classic

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1977 model vehicles:

Engine Family	Hydrocarbons Grams per Miles	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
710J4S	0.25	1.6	1.3

BE IT FURTHER RESOLVED: That this certification is contingent upon General Motors Corporation affixing a permanent catalyst overheat warning label on the driver's sun-visor of all catalyst-equipped vehicles. This label must be approved by the Executive Officer.

BE IT FURTHER RESOLVED: That this certification is also contingent upon General Motors Corporation listing in the owner's manual the operating cautions associated with a catalyst-equipped vehicle. This listing must be approved by the Executive Officer.

Vehicles certified under this Executive Order must conform to all applicable California emission regulations.

The Department of Motor Vehicles, the California Highway Patrol, and the Bureau of Automotive Repair will be notified by copy of this order and attachment.

Executed at El Monte, California, this 12 day of August, 1976.

G. C. Hass

G. C. Hass, Chief
Division of Vehicle Emissions Control

SUPERSEDED

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-85 Page 1

Engine Family 710J4S Engine (CID) 350 Transm. A-3

Emission Control System AI, EGR, OC, EFE +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Type	Inertia Weight	Distributor Type HEI C,V Mfgr. Part Number	Fuel System 1-4V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident. & Page No.
1	B		47	A-3	4000	Delco 1103248	Rochester 17057504	7044305	1	AZ 5
1	B		69					No Service		
1	F		87							
1234	X		17							
1234	X		27							
1234	X		69							
1 4	A		29		4500					
1	A		35							
1	A		37							
1 4	A		57							
1 5	A		80							
1	B		35							
1 4	A		35		5000					
1	F		87		4000			17056225	1A	

Comments See page 3 for model codes and names.

Issue Date 081776. Format revised, Olds & Buick models added per RC 71-58, on 100876. Format revised, was pages 1 & 2, Pont. models added per RC 71-26, on 010377. EC 1A added per RC 71-232 on 040177.

SUPERSEDED

Abbreviations
Distributor
C-Centrifugal Advance
V-Vacuum Advance
HEI-High
EI-Electronic Ignition
Fuel System
EFI, FI

Exhaust Emission Control System
AI-Air Injection
CAI-Catalyst Air Injection
EFI-Electronic Fuel Injection
EGR-Exhaust Gas Recirculation
EM-Engine Modification
EFE-Early Fuel Evaporation
ESAC-Electronic Spark Advance Control

FI-Fuel Injection
OC-Oxidation Catalyst
*Service
I-Inspect, repair/replace as needed
R-Replace

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-85 Page 2

Engine Family 710J4S Engine (CID) 350 Transm. A-3

Emission Control System AI, EGR, OC, EFE +10% (A/C) Yes (X) No ( )

Divisions	Basic Body	Trim	Body Type	Transmission Type	Inertia Weight	Distributor Type HEI Mfgr. C,V Part Number	Fuel System 1-4V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident.	& Page No.
4	A		37	A-3	4000	Delco 1103248	Rochester 17057502	7044305	2	AZ	5
4	A		57					No Service			
1 5	A		80								
1	B		47								
1	B		69								
1	F		87								
1234	X		17								
1234	X		27								
1234	X		69								
1 4	A		29		4500						
1	A		35								
1	A		37								
1	A		57								
1 5	A		80								
1	B		35								
4	A		35		5000						
1	F		87		4000			17056225	2A		
1	Y		37		4000			7044305	6		
1	Y		37				17057504		5		
1	Y		37					17056225 No Service	5B		
1	Y		37				17057502		6B		
1	F		87						15		
1	F		87				17057504		14		

Comments See page 3 for model codes and names.

Issue Date 081876. Format revised, Olds. & Buick models added per RC 71-58, on 100876. Format revised, was pages 3 & 4. Pont. models added per RC 71-26, on 010377. EC 14 and 15 added per RC 71-72 on 011277. EC 5B and 6B added per RC 71-213 on 022477. 1A 37 was 4000 lb. before RC 71-205, EC 2A added per RC 71-232 on 040177.

SUPERSEDED

See page 1 for index to abbreviations

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
Passenger Cars

Engine Family 710J4S EXECUTIVE ORDER A-6-85 Page 3

Model Code Breakdown:

1 A D 29

Division — Basic Body — Trim — Body Type

Division	Basic Body	Trim	Body Type		
1				CHEVROLET	
	A	D	29	Malibu Classic	Sedan
		C	29	Malibu	Sedan
		N	35	Caprice Classic	Station Wagon
		L	35	Impala	Station Wagon
		D	35	Malibu Classic	Station Wagon
		C	35	Malibu	Station Wagon
		D	37	Malibu Classic	Coupe
		C	37	Malibu	Coupe
		H	57	Monte Carlo	
		D	80	El Camino Classic	
		C	80	El Camino	
	B	N	47	Caprice Classic	Coupe
		L	47	Impala	Coupe
		N	69	Caprice Classic	Sedan
		L	69	Impala	Sedan
	F	S	87	Camaro "Type LT"	
		Q	87	Camaro	
	X	Y	17	Nova Concours	Hatchback Coupe
		X	17	Nova	Hatchback Coupe
		Y	27	Nova Concours	Coupe
		X	27	Nova	Coupe
		Y	69	Nova Concours	Sedan
		X	69	Nova	Sedan
	Y	Z	37	Corvette Coupe	
2				PONTIAC	
	X	Z	17	Ventura 'SJ'	Hatchback Coupe
		Y	17	Ventura	Hatchback Coupe
		X	27	Phoenix	Coupe
		Z	27	Ventura 'SJ'	Coupe
		Y	27	Ventura	Coupe
		X	69	Phoenix	Sedan
		Z	69	Ventura 'SJ'	Sedan
		Y	69	Ventura	Sedan
3				OLDSMOBILE	
	X	E	17	Omega Brougham	Hatchback Coupe
		B	17	Omega	Hatchback Coupe
		E	27	Omega Brougham	Coupe
		B	27	Omega	Coupe
		S	27	F-85	Coupe
		E	69	Omega Brougham	Sedan
		B	69	Omega	Sedan
4				BUICK	
	A	H	29	Century Custom	Sedan
		D	29	Century	Sedan
		J	29	Regal	Sedan
		K	35	Century	Wagon
		D	37	Century	Coupe
		H	57	Century Custom	Coupe
		J	57	Regal	Coupe
	X	C	17	Skylark "SR'	Hatchback Coupe
		B	17	Skylark	Hatchback Coupe
		C	27	Skylark 'SR'	Coupe
		W	27	Skylark 'S'	Coupe
		B	27	Skylark	Coupe
		C	69	Skylark 'SR'	Sedan
		B	69	Skylark	Sedan
5				GMC	
	A	D	80	Sprint Classic	
		C	80	Sprint	

SUPERSEDED

Olds. & Buick models added per RC 71-58 on 100876. Was last page, Pont. models added per RC 71-26, format revised 010377. 2XX27 & 69 added by RC 71-195 on 021077.

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

[X] Passenger Cars [ ] Light-Duty Trucks

Engine Family 710J4S

VEHICLE EMISSION CONTROL LABEL

AZ
350 CU. IN.
4 BBL. CARB.
710J4S

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

CATALYST
AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN, AIR CLEANER INSTALLED, AND AIR CONDITIONING OFF, EXCEPT WHERE NOTED.

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED RPM. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
2. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED.
3. WITH AIR COND.: DISCONNECT ELECTRICAL LEAD FROM AIR COND. COMPRESSOR. WITH AIR COND. SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR COND. SWITCH OFF.
4. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE. WITH TRANSMISSION IN PARK OR NEUTRAL, ADJUST FAST IDLE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE.

	TRANSMISSION
	AUTOMATIC
TIMING (° BTC @ RPM)	8° @ 500
SPARK PLUG GAP (IN.)	0.045
CURB IDLE SPEED (RPM)	500 (DR)
FAST IDLE SPEED (RPM)	1600 (P) OR (N)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	650 (DR)

NOTE: IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAPS — ADJUSTMENT DURING TUNE UP IS NOT RECOMMENDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.

PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. E.P.A., AND WHERE APPLICABLE CALIFORNIA, REGULATIONS APPLICABLE TO 1977 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 460126

SUPERSEDED

LABEL LOCATIONS:

"B" Body - On left inner fender in engine compartment.
"A", "F", "X" Bodies - On sheet metal over radiator support. Just left of center.
"Y" Body - On brake pedal housing cover.