

C.O. Pack
Hand

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

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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Miles</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
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, Chief
 Division of Vehicle Emissions Control

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

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 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 No Service	1	AZ 5
1	B	69							
1	F	87							
1234	X	17							
1234	X	27							
1234	X	69							
4	A	29		4500					
	A	35							
	A	37							
4	A	57							
5	A	80							
1	B	35							
4	A	35		5000					
1	F	87		4000			7056225	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.

Abbreviations

Dis 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

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 No

Divisions	Basic Body	Trim	Body Type	Trans- mission 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.
1	4A		37	A-3	4000	Delco 1103248	Rochester 17057502	7044305 No Service	2	AZ 5
1	4A		57							
1	5A		80							
1	B		47							
1	B		69							
1	F		87							
1	234	X	17							
1	234	X	27							
1	234	X	69							
1	4	A	29		4500					
1		A	35							
1		A	37							
1		A	57							
1	5	A	80							
1		B	35							
1	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	5B	
1		Y	37				17057502	No Service	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.

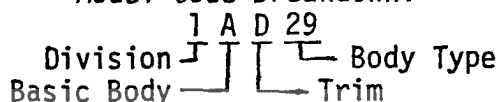
1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
Passenger Cars

Engine Family 710J4S

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Page 3

Model Code Breakdown:



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

5

GMC

A D 80 Sprint Classic
 C 80 Sprint

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

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.

Engine Family 710J4S

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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	TRANSMISSION AUTOMATIC								
	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.		<table border="1"> <tr> <td>TIMING (° BTC @ RPM)</td> <td>8° @ 500</td> </tr> <tr> <td>SPARK PLUG GAP (IN.)</td> <td>0.045</td> </tr> <tr> <td>CURB IDLE SPEED (RPM)</td> <td>500 (DR)</td> </tr> <tr> <td>FAST IDLE SPEED (RPM)</td> <td>1600 (P) OR (N)</td> </tr> <tr> <td>SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)</td> <td>650 (DR)</td> </tr> </table> <p>NOTE: IDLE MIXTURE SCREWS ARE PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAPS — ADJUSTMENT DURING TUNE UP IS NOT RECOMMENDED.</p> <p>FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.</p> <p>SEE SERVICE MANUAL FOR ADDITIONAL INFORMATION.</p>	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)
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)										

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

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.