State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-84-1
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: 710F1SMU
Engine: 250 CID
Transmission: 3-speed automatic
Exhaust Emission Control Systems: Air Injection, Early Fuel Evaporation, Exhaust Gas Recirculation, Oxidation Catalyst

Models: Chevrolet

Camaro
Camaro "Type LT"

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.

These vehicles are in addition to those previously certified for this engine family. This certification is valid for the full 1977 model-year.

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 1st day of October, 1976.

G C Hass by P D Buchanan

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

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

(X) Passenger Cars ( ) Light-Duty Trucks

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-84 Page 1

Engine Family 710F1SMU Engine (CID) 250

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 Type 1-1V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident. & Page No.
1 1	X X	X X	27 69	A-3	3500	Delco Remy 1110681	RPD 17057314	7044107 No Service	1,1A (w/o A.C.)	AN 2
1	X	X	27				17057318		2,2A,(wAC)	
1 1 1	X X X	 Y Y	17 27 69		4000		17057314	7044338 No Service	3,3A (w/o A.C.)	
1 1 1	X X X	 Y 	17 27 69				17057318		4,4A (w/A.C.)	
1 1 1 5	A A A		29 37 80				17057314	7044336 No Service	5 (w/o A.C.)	
1 1	B B		47 69							
1 1	B B		47 69				17057318		6 (w/A.C.)	

Comments: See page 2 for model codes and names.

Date of issue: 082376. 1F 87 added by RC 71-76 on 092876. Engine Codes 7A & 8A added by RC 71-126, format revised, was pages 1,2 & 3, on 111976. Trans. code deleted, E.C. 7 thru 8A moved to page 1A on 120376. Engine Codes 1A thru 4A added by RC 71-166, on 120876. Trim codes added to X models to clarify IWC & EC, on 062678.

Abbreviations

Distributor
C-Centrifugal Advance
V-Vacuum Advance
HEI-High Energy Ignition
EI-Electronic Ignition

Fuel System
EFI, Electronic Fuel Injection

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-6-84 Page 1A

Engine Family 710F1SMU Engine (CID) 250

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 1-1V Mfgr. Part Number	EGR System Part No. Service*	Engine Code	Tune-Up Label Ident. & Page No.
1	F		87	A-3	4000	1110725 Delco Remy	17057310 RPD	17056048 No Service	7 (w/o A.C.)	ZK 3
1	A		29				17057322		7A (w/o A.C.)	
1	A		37							
1 5	A		80							
1	B		47							
1	B		69							
1	F		87							
1	F		87				17057312		8 (w/A.C.)	
1	B		47				17057324		8A (w/A.C.)	
1	B		69							
1	F		87							
1	X	X	27		3500	1110681	17057322	7044338	9 (w/o A.C.)	AN 2
1	X	X	69							
1	X		17		4000					
1	X	Y	27							
1	X	Y	69							
1	F		87							
1	X	X	27		3500		17057324		10 (w/A.C.)	
1	X		17		4000					
1	X	Y	27							
1	X		69							
1	F		87							

Comments See page 2 for model codes and names.

Issue Date 120376. E.C.7 thru 8A moved from page 1; Tune-up label ZK added, A & B cars added to E.C. 7A, B cars added to E.C. 8A by RC 71-127 on 120376. E.C. 9 & 10 added by RC 71-224 on 032177. Trim codes added to X models to clarify IWC & EC, 1X 69 model removed from 3500 lb. IWC of EC 10 to correct error, on 062678.

See page 1 for index to abbreviations

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET
Passenger Cars

Engine Family 710F1SMU EXECUTIVE ORDER A-6-84 Page 2

Model Code Breakdown:
1 A D 29
Division — Body Type
Basic Body — Trim

Division	Basic Body	Trim	Body Type	
				CHEVROLET
A	D	29	Malibu Classic	Sedan
	C	29	Malibu	Sedan
	D	37	Malibu Classic	Coupe
	C	37	Malibu	Coupe
	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
5				GMC
A	D	80	Sprint Classic	
	C	80	Sprint	

Camaros added by RC 71-76 on 092876.
Format revised, was page 4 and last page, 111976.

AN
250 CU. IN.
1 BBL. CARB.
710F1SMU

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION GM

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

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

1. DISCONNECT AND PLUG CARBURETOR AND PCV HOSES AT VAPOR CANISTER.
2. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR.
3. SET IGNITION TIMING AT SPECIFIED RPM.
4. ADJUST CURB IDLE SPEED TO SPECIFIED RPM BY TURNING CARBURETOR SOLENOID. DISCONNECT ELECTRICAL LEAD AT SOLENOID. ADJUST BASE IDLE SPEED TO SPECIFICATION BY TURNING 1/8 HEX. SCREW LOCATED IN END OF SOLENOID BODY. RECONNECT ELECTRICAL LEAD.
5. DISCONNECT AND PLUG EGR VACUUM HOSE AT EGR VALVE. WITH TRANSMISSION IN PARK OR NEUTRAL, BEND FAST IDLE CAM FOLLOWER TO OBTAIN SPECIFIED FAST IDLE SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT EGR VACUUM LINE.
6. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
7. UNPLUG AND RECONNECT CARBURETOR AND PCV HOSES AT VAPOR CANISTER.

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION	
	AUTO. W/O A/C	AUTO. W A/C
TIMING (° BTC @ RPM)	6° @ 550	6° @ 600
SPARK PLUG GAP (IN.)	0.035	0.035
CURB IDLE SPEED (RPM)	550 (DR)	600 (DR)
BASE IDLE SPEED (RPM)	425 (DR)	425 (DR)
FAST IDLE SPEED (RPM)	1800 (P) OR (N)	1800 (P) OR (N)

NOTE IDLE MIXTURE SCREW IS PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAP — 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 AND MAINTENANCE SCHEDULE II 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. 460474

1977 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET

☒ Passenger Cars ☐ Light-Duty Truck

Manufacturer General Motors Corporation Executive Order No. A-6-84 Page 3

Engine Family 710FISMU Engine (CID) 250

ZK
250 CU. IN.
1 BBL. CARB.
710F1SMU

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION GM

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

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

1. DISCONNECT AND PLUG CARBURETOR AND PCV HOSES AT VAPOR CANISTER.
2. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR.
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6. UNPLUG AND RECONNECT VACUUM HOSE AT DISTRIBUTOR.
7. UNPLUG AND RECONNECT CARBURETOR AND PCV HOSES AT VAPOR CANISTER.

CATALYST
AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION	
	AUTO. W/O A/C	AUTO. W A/C
TIMING (° BTC @ RPM)	8° @ 550	8° @ 600
SPARK PLUG GAP (IN.)	0.035	0.035
CURB IDLE SPEED (RPM)	550 (DR)	600 (DR)
BASE IDLE SPEED (RPM)	425 (DR)	425 (DR)
FAST IDLE SPEED (RPM)	1800 (P) OR (N)	1800 (P) OR (N)

NOTE IDLE MIXTURE SCREW IS PRESET AND CAPPED AT FACTORY — DO NOT BREAK CAP — ADJUSTMENT DURING TUNE UP IS NOT RECOMMENDED.

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Engine Family 710FISMU

Label ZK added by RC 71-76, on 032177.