 E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-113
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 for 1978 model-year passenger cars are certified for the vehicles described below:

Engine Family: 810J4S
Engine: 350 CID
Transmission: 3-speed automatic
Exhaust Emission Control System: Air Injection, Early Fuel Evaporation, Exhaust Gas Recirculation, Oxidation Catalyst

Models and Engine Codes as listed in attachment.

The following are the recommended values to be listed on the window decal required by California Assembly-Line Test Procedures for 1978 model-year vehicles:

Engine Family	Hydrocarbons Grams per Mile	Carbon Monoxide Grams per Mile	Nitrogen Oxides Grams per Mile
810J4S	.29	3.2	1.3

BE IT FURTHER RESOLVED: That the above models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (13 California Administrative Code, Section 2290) for the aforementioned model year, or have been granted a temporary exemption from the aforementioned "Specifications" by Executive Order AA-6 series.

BE IT FURTHER RESOLVED: That the above models also comply with "California Evaporative Emission Standards and Test Procedures for 1978 and Subsequent Model Gasoline-powered Motor Vehicles except Motorcycles".

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 26 day of August, 1977.

G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET-GM FORMAT

Manufacturer GENERAL MOTORS CORPORATION Executive Order No. A-6-113 Page 1

Engine Family 810J4S Engine (CID) 350

ABBREVIATIONS

Distributor
C-Centrifugal Advance
V-Vacuum Advance
VR-Vacuum Retard
HEI-High Energy Ignition

Fuel System
EFI
nV-nVenturi Carburetor

Exhaust Emission Control
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
OC-Oxidation Catalyst
OS-Oxygen Sensor
PAI-Pulse Air Injection
TC-Turbo Charged
TWC-Three Way Catalyst

DIVISION	BASIC BODY	TRIM	BODY TYPE	MODEL NAME
				CHEVROLET MODELS
1	B	L	47	Impala Coupe
1	B	L	69	Impala Sedan
1	B	N	47	Caprice Classic Coupe
1	B	N	69	Caprice Classic Sedan
1	B	L	35	Impala Station Wagon
1	B	N	35	Caprice Classic Station Wagon
1	X	X	17	Nova Hatchback Coupe
1	X	X	27	Nova Coupe
1	X	X	69	Nova Sedan
1	X	Y	27	Nova Custom Coupe
1	X	Y	69	Nova Custom Sedan
1	A	W	80	El Camino
1	Y	Z	87	Corvette Sport Coupe
1	F	Q	87	Camaro
1	F	S	87	Camaro "Type LT'
				PONTIAC MODELS
2	X	Y	17	Phoenix Hatchback Coupe
2	X	Y	27	Phoenix Coupe
2	X	Y	69	Phoenix Sedan
2	X	Z	27	Phoenix LJ Coupe
2	X	Z	69	Phoenix LJ Sedan
2	F	S	87	Firebird
2	F	T	87	Esprit
2	F	U	87	Formula

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DIVISION	BASIC BODY	TRIM	BODY TYPE	MODEL NAME
				OLDSMOBILE MODELS
3	X	B	17	Omega Hatchback Coupe
3	X	B	27	Omega Coupe
3	X	B	69	Omega Sedan
3	X	E	27	Omega Brougham Coupe
3	X	E	69	Omega Brougham Sedan
				BUICK MODELS
4	X	B	17	Skylark Hatchback Coupe
4	X	B	27	Skylark Coupe
4	X	B	69	Skylark Sedan
4	X	C	17	Skylark Custom Hatchback Coupe
4	X	C	27	Skylark Custom Coupe
4	X	C	69	Skylark Custom Sedan
4	X	W	27	Skylark 'S' Coupe
				GMC MODEL
5	A	W	80	Caballero

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Passenger Cars

Manufacturer: General Motors Corporation Executive Order No. A-6-113 Pg. 3

Engine Family 810J4S Engine (CID) 350 Transm. _____

Exhaust Emission Control System AIR, EFE, EGR, OC +10% (A/C) Yes ☒ No ☐

Eng. Code	Air Cond.	Distrib. Type HEI Mfgr. C,V Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	Divisions	Basic Body	Trim	Body Type	Trans-mission	Tune-up Label & Page No.	Rev. Notes
1	W	Delco Remy 1103285	Rochester/ Carter 17058504	17056494 No Service	4000	1 5	A		80	A-3	DZ 4	
						1	B		47			
						1	B		69			
						1234	X		17			
						1234	X		27			
						1234	X		69			
					4500	1	B		35			
2	WO		17058502		4000	1 5	A		80			
						1	B		47			
						1	B		69			
						1234	X		17			
						1234	X		27			
						1234	X		69			
					4500	1	B		35			
5	W		17058504	17056496	4000	1	Y		87		WA 4	
6	WO		17058502	No		1	Y		87			
13	W		17058504	Service		1	F	Q	87		DZ 4	
14	WO		17058502			1	F	Q	87			
17	W		17058504			12	F		87			
18	WO		17058502			12	F		87			

Comments All models have special road load HP settings. See page one for abbreviations.

Date of Issue 091277 Revisions:

DZ
350 CU. IN.
8104S
8BFV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION GM

CATALYST
AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	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)	600 (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 AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

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

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED.
3. WITH AIR CONDITIONING: DISCONNECT ELECTRICAL LEAD FROM AIR CONDITIONING COMPRESSOR. WITH AIR CONDITIONING SWITCH ON AND SOLENOID FULLY EXTENDED, ADJUST SOLENOID SCREW TO SPECIFIED RPM. RECONNECT COMPRESSOR LEAD. TURN AIR CONDITIONING SWITCH OFF.
4. 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 AND CANISTER PURGE HOSE TO CANISTER.

PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 472893

WA
350 CU. IN.
8104S
8BFVL

VEHICLE EMISSION CONTROL INFORMATION

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AIR-EGR-EFE
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PRINTED IN U.S.A. THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES PT. NO. 472894