 E.O. Book

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-114
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 light duty trucks are certified for the vehicles described below:

Engine Family: 812F1SU
Engine: 250 CID
Transmission: 3 and 4-speed manual, 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
812F1SU	0.5	6	1.8

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 2 day of September, 1977.

G. C. Hass

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-6-114 Page 1

Engine Family 812F1SU Engine (CID) 250

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

TRUCK MODEL IDENTIFICATION

1. C = Chevrolet; T = GMC Truck — C C 10703
2. Chassis Type
3. GVW Range
4. CA Dimension Model Type
5. Cab or Body Style

② Chassis Type
C—Conventional 4 x 2
G—Forward Control 4 x 2 (Body-Frame Integral)
K—Conventional 4 x 4 (Four Wheel Drive)
P—Forward Control 4 x 2 (Conventional)

③ Series GVW Range
1—4800 to 7300
2—6400 to 8400
3—6400 to 14,500

⑤ Cab or Body Style
03—Conventional Cab (C-K models); Cutaway Van, Hi-Cube Van (G models)
05—Chevy Van, Vandura
06—Suburban/Sportvan, Rally Wagon with Panel Rear Doors
16—Blazer, Jimmy
32—Motor Home Chassis
42—Forward Control Chassis, Step-Van, Value Van
43—Bonus Cab.Crew Cab

④ CA Dimension Model Type
05—Blazer, Jimmy, Step-Van, Value Van
07—42"/Pickup, Chassis-Cab
08—FC or Motor Home Chassis, Step-Van, Value Van
09—56"/Suburban, Chassis-Cab, Pickup
10—60"/FC Chassis, Chevy Van, Vandura, Sportvan, Rally Wagon, Chassis-Cab, Step-Van, Value Van
11—Motor Home Chassis
13—Chevy Van, Vandura, Sportvan, Rally Wagon, Cutaway Van, Hi-Cube Van
14—84"/FC or Motor Home Chassis, Chassis-Cab, Step-Van, Value Van
16—Cutaway Van, Hi-Cube Van
18—Motor Home Chassis

⑥ Body Code
ZW9—Base Body
Z58—Blazer, Jimmy w/White Top
Z59—Blazer, Jimmy w/Black Top
Z64—RV Cutaway Van
E31—Hi-Cube Van (10' Steel 96" Wide)
E32—Step-Van, Value Van (Steel)
E33—Step-Van, Value Van (Aluminum)
E34—Hi-Cube Van (10' Steel 82" Wide)
E36—Hi-Cube Van (96" Wide 10' Aluminum)
E38—Hi-Cube Van (12' Steel 96" Wide)
E39—Hi-Cube Van (96" Wide 12' Aluminum)
E55—Suburban (w/End Gate)
E62—Stepside (Fenderside) Pickup
E63—Fleetside (Wide Side) Pickup
E94—Beauville Sportvan, Rally STX

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1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

☒ Light Duty Trucks ☐ Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-114 Pg. 2

Engine Family 812F1SU Engine (CID) 250 Transm. M-3,4

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

Eng. Code	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 1V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for: Model Code	See Page One for: Body Code(s)	Trans-mission	Tune-up Label & Page No.	Rev. Notes
1	W or WO	Delco 1110715	Rochester 17058311 (C Trucks) 17058313 (G Trucks)	17057906 No Service	4000	CC10703	E62	M-3,4	XX 4 or XY 4	
						T				
						C	E63			
						T				
						CC10903	E62	M-3		
						T				
						C	E63			
						T				
						CC11005	None	M-3		
						T				
					4500	CC10903	E63	M-3,4		
						T				
						CG11006	None	M-3		
						T				
						CG11305				
						T				
						CG11306				
						T				
						C	E94			
						T				

Comments: See page one for abbreviations. Label XX is for single evap. canister, XY is for dual canisters.

Date of Issue 101777 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

☒ Light Duty Trucks ☐ Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-114 Pg. 3

Engine Family 812F1SU Engine (CID) 250 Transm. A-3

Exhaust Emission Control System A1,EFE,EGR,OC +10% (A/C) Yes ☐ No ☒

Eng. Code	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 1V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for: Model Code	See Page One for: Body Code(s)	Trans-mission	Tune-up Label & Page No.	Rev. Notes
2		1110719	17058310 (C Trucks) 17058312 (G Trucks)	17056729	4000	CC10703 T	E62	A-3	XX 4 or XY 4	
						C T	E63			
						CC10903 T	E62			
						CG11005 T	None			
					4500	CC10903 T	E63			
						CG11006 T	None			
						CG11305 T				
						CG11306 T				
						C T	E94			

Comments: See page one for abbreviations. Label XX is for single evap. canister, XY is for dual canisters.

Date of Issue 101777 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

☒ Light Duty Trucks ☐ Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-114 Pg. 4

Engine Family 812F1SU Engine (CID) 250 Transm. _____

XX
250 CU. IN.
812F1SU
8BBV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION	
	AUTOMATIC	MANUAL
TIMING (° BTC @ RPM)	10° @ 600	8° @ 750
SPARK PLUG GAP (IN.)	0.035	0.035
CURB IDLE SPEED (RPM)	600 (DR)	750 (N)
BASE IDLE SPEED (RPM)	425 (DR)	425 (N)
FAST IDLE SPEED (RPM)	2100 (P) OR (N)	2100 (N)

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.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED.
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. TURN CARBURETOR SOLENOID TO OBTAIN SPECIFIED CURB IDLE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.
3. 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.
4. 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 VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER.

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. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES. PT. NO. 473407

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XY
250 CU. IN.
812F1SU
8CBV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

	TRANSMISSION	
	AUTOMATIC	MANUAL
TIMING (° BTC @ RPM)	10° @ 600	8° @ 750
SPARK PLUG GAP (IN.)	0.035	0.035
CURB IDLE SPEED (RPM)	600 (DR)	750 (N)
BASE IDLE SPEED (RPM)	425 (DR)	425 (N)
FAST IDLE SPEED (RPM)	2100 (P) OR (N)	2100 (N)

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.

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED.
2. DISCONNECT AND PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSE AT CANISTER. TURN CARBURETOR SOLENOID TO OBTAIN SPECIFIED CURB IDLE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.
3. 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.
4. 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 VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSE TO CANISTER.

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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. 473408

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