

State of California
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-120
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 medium duty vehicles are certified for the vehicles described below:

Engine Family: 812K4
 Engine: 350 and 400 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:

<u>Engine Family</u>	<u>Hydrocarbons Grams per Mile</u>	<u>Carbon Monoxide Grams per Mile</u>	<u>Nitrogen Oxides Grams per Mile</u>
812K4	0.8	12	1.7

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 30 day of August, 1977.



G. C. Hass, Chief
Vehicle Emissions Control Division

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks

Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 2

Engine Family 812K4 Engine (CID) 350,400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Trans-mission	Tune-up Label & Page No.	Rev. Notes	
						Model- Code	Body Code(s)				
1 (350)	W or WO	Delco 1103302	Rochester 17058503 - C Trucks 17058519 - G Trucks	17056494 No Service	4500	CC10516	None E62+F44 E63+F44 E62+F44 E63+F44 None	M-3,4	WK, 10 WM, 10 XA 12 or XB 12.		
						CC10703					
						CC10903					
								M-3			
						CG21005					
						CG21305					
								M-3,4			
						CG31005					
						5000	CC10906				E55 None E94 None
	CG21006										
	CG21306										
		M-3,4									
	CG31305										
	5500				CC10703	E34 E94	M-3				
		CC10903									
		CG31303									
		CG31306									

Comments: See page one for abbreviations.

Date of Issue: 102577Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 3

Engine Family 812K4 Engine (CID) 350, 400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C, V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Transmission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
3 (350)	WO	Delco 1103302	Rochester 17058506 - C Trucks 17058518 - G Trucks	17056730 No Service	4500	CC10516 CC10703 CC10903 CG21005 CG21006 CG21305 CG31005 CG31305	None E62+F44 E63+F44 E62+F44 E63+F44 None	A-3	WK, 10 WM, 10 XC 13 or XD 13	
					5000	CC10906 CG21306 CG31306	E55 None E94 None E94			
					5500	CG31303	E34			
					6000	CC10703 CC10903	None			

Comments: See page one for abbreviations.

Date of Issue: 102577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks

Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 4

Engine Family 812K4 Engine (CID) 350, 400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C, V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Trans- mission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
4 (350)	W	Delco 1103302	Rochester 17058508 - C Trucks 17058522 - G Truck	17056730 No Service	4500	CC10516	None	A-3	WK, 10 WM, 10 XC 13 or XD 13	
						CC10703	E62+F44			
						CC10903	E63+F44			
						CG21005 CG21305 CG31005	E62+F44 E63+F44			
5000						CC10906	E55			
						CG21006 CG21306	None			
						CG31305	E94 None			
5500						CG31303 CG31306	E34 None E94			
6000						CC10703 CC10903	None			

Comments: See page one for abbreviations.

Date of Issue: 102577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks

Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 5

Engine Family 812K4 Engine (CID) 350,400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Trans- mission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
5 (400)	WO	Delco 1103301	Rochester 17058527 - K Trucks 17058523 - G Trucks	17056730 No Service	4500	CK10703 CG21005 CG21006 CG21305 CG31005 CG31305	E62 None	A-3	WN, 11 WR, 11 XF 14 or XH 14	
					5000	CK10516 CK10703 CK10903 CK20903 CG21306 CG31306	E63 E62 E63 E62 E63 None E94 None			
					5500	CK10906 CK20906 CG31303 CG31306	E55 None E55 E34 E94			
					6000	CK10703 CK10903 CK20903	None			

Comments: See page one for abbreviations.

Date of Issue:102577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6120 Pg. 6

Engine Family 812K4 Engine (CID) 400,350 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C, V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Trans- mission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
6 (400)	W	Delco 1103301	Rochester 17058528 - K Trucks 17058524 - G Trucks	17056730 No Service	4500	CG21005 CG21305 CG31005	None	A-3	WN, 11 WR, 11 XF 14 or XH 14	
					5000	CK10516 CK10703 CK10903 CK20903 CG21006 CG21306 CG31305	E62 E63 E62 E63 E62 None E94 None			
					5500	CK10906 CK20903 CK20906 CG31306	E55 E63 None E55 None E94			
					6000	CK10703 CK10903 CK20903 CG31303	None E34			

Comments: See page one for abbreviations.

Date of Issue: 102577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks

Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 7

Engine Family 812K4 Engine (CID) 350,400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Transmission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
9 (350)	W or WO	Delco 1103339	Rochester 17058503	17056730 No Service	4500	CK10703	E62	M-3	WK, 10 WM, 10	
						5000	CK10516	None		
					CK10703		E62	M-4		
					CK10903		E63	M-3,4		
					CC20903		E62			
					5500	CK20903	E63			
							E62	M-3		
							E63			
							E63			
					5500	CK10703	None	M-3,4		
CK10903										
CK10906										
CC20903	E55									
	CK20903	None								
	CC20906	E63	M-4							
	CK20906	None								
		E55								
		None	M-3,4							
		E55								

Comments: See page one for abbreviations.

Date of Issue: 102577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 8

Engine Family 812K4 Engine (CID) 350,400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C,V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Transmission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
10 (350)	W0	Delco 1103339	Rochester 17058506	17056730 No Service	4500	CK10703 CC20903	E62	A-3	WK, 10 WM, 10 XC, 13 XD 13 or LK 15	
					5000	CK10516 CK10703 CK10903	None E63 E62 E63			
						CC20903 CK20903 CC20906	E62 E63 None			
					5500	CK10906 CP20842 CC20906 CK20906 CP21042	E55 E33 E55 None E55 E33			
6000	CK10703 CK10903 CP20842	None	E32 None							
	CC20903 CK20903 CP21042	E32								

Comments: See page one for abbreviations.

Date of Issue: 102577 Revisions:

1978 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Light Duty Trucks

Medium Duty Vehicles

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-120 Pg. 9

Engine Family 812K4 Engine (CID) 350,400 Transm. _____

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

Eng. Code (CID)	Air Cond.	Distrib. Type HEI C, V Mfgr. Part No.	Fuel System 4V Mfgr. Part No.	EGR System Part No. Service	Inertia Wt. Class	See Page One for:		Transmission	Tune-up Label & Page No.	Rev. Notes
						Model Code	Body Code(s)			
11 (350)	W	Delco 1103339	Rochester 17058508	17056730 No Service	5000	CK10516 CK10703 CK10903 CC20903 CK20903	None E62 E63 E62 E63 E62 E63 E62	A-3	WK, 10 WM, 10 XC 13 or XD 13	
					5500	CK10906 CK20903 CC20906 CK20906	None E55 E63 None E55 None E55			
					6000	CK10703 CK10903 CK20903 CK20903	None			

Comments: See page one for abbreviations.

Date of Issue : 102577 Revisions:

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION



WK
350 CU. IN.
812K4
8BFV

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. ON AUTOMATICS 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.

WM
350 CU. IN.
812K4
8CFV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION



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. ON AUTOMATICS 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.

Date of Issue: 102577

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

TIMING (° BTC @ RPM)	TRANSMISSION	
	AUTOMATIC	MANUAL
8° @ 500	8° @ 500	8° @ 700
SPARK PLUG GAP (IN.)	0.045	
CURB IDLE SPEED (RPM)	700 (N)	
FAST IDLE SPEED (RPM)	1300 (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 1 FOR ADDITIONAL INFORMATION.

PT. NO. 476301

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

TIMING (° BTC @ RPM)	TRANSMISSION	
	AUTOMATIC	MANUAL
8° @ 500	8° @ 500	8° @ 700
SPARK PLUG GAP (IN.)	0.045	
CURB IDLE SPEED (RPM)	700 (N)	
FAST IDLE SPEED (RPM)	1300 (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 1 FOR ADDITIONAL INFORMATION.

PT. NO. 476302

Manufacturer: General Motors Corporation

Executive Order No. A-6-120 Pg. 11

WN
400 CU. IN.
812K4
8BFV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION 

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.

WR
400 CU. IN.
812K4
8CFV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION 

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.

Date of Issue: 102577

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

TIMING (° BTC @ RPM)	4° @ 500	TRANSMISSION	AUTOMATIC
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.

PT. NO. 476303

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

TIMING (° BTC @ RPM)	4° @ 500	TRANSMISSION	AUTOMATIC
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.

PT. NO. 476304

W = Complete Vehicle
N = Single Canister
R = Dual Canisters

E. O. A-6-120
S. D. Sheet 11

Manufacturer: General Motors Corporation

Executive Order No. A-6-120 Pg. 12

XA

350 CU. IN.
812K4
8BFV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION



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. 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 TRANSMISSION IN 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.

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

TIMING (° BTC @ RPM)	8° @ 700	TRANSMISSION	MANUAL
SPARK PLUG GAP (IN.)	0.045		
CURB IDLE SPEED (RPM)	700 (N)		
FAST IDLE SPEED (RPM)	1300 (N)		

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.

THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 5450 POUNDS AND A MAXIMUM FRONTAL AREA OF 41.0 SQUARE FEET.

PRINTED IN U.S.A.

PT. NO. 476305

XB

350 CU. IN.
812K4
8CFV

VEHICLE EMISSION CONTROL INFORMATION

GENERAL MOTORS CORPORATION



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. 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 TRANSMISSION IN 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.

CATALYST

AIR-EGR-EFE
LOW ALTITUDE CERTIFICATION

TIMING (° BTC @ RPM)	8° @ 700	TRANSMISSION	MANUAL
SPARK PLUG GAP (IN.)	0.045		
CURB IDLE SPEED (RPM)	700 (N)		
FAST IDLE SPEED (RPM)	1300 (N)		

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.

THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 5450 POUNDS AND A MAXIMUM FRONTAL AREA OF 41.0 SQUARE FEET.

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PT. NO. 476306

Date of Issue: 102577

X = Incomplete Vehicle
A = Single Canister
B = Dual Canisters

E. O. A-6-120
S. D. Sheet 12

XC
350 CU. IN.
812K4
8BFV

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION 

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 WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 5950 POUNDS AND A MAXIMUM FRONTAL AREA OF 41.0 SQUARE FEET.

XD
350 CU. IN.
812K4
8CFV

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION 

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.
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CATALYST
AIR-EGR-EFF
LOW ALTITUDE CERTIFICATION

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.

PT. NO. 476307

CATALYST
AIR-EGR-EFF
LOW ALTITUDE CERTIFICATION

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.


PT. NO. 476308


X = Incomplete Vehicle
 F = Single Canister
 H = Dual Canisters

F. O. A-6-120
 S.D. Sheet 14

<p>CATALYST AIR-EGR-EFE LOW ALTITUDE CERTIFICATION</p>		<p>TRANSMISSION AUTOMATIC</p>
<p>TIMING (° BTC @ RPM)</p>	<p>4° @ 500</p>	
<p>SPARK PLUG GAP (IN.)</p>	<p>0.045</p>	
<p>CURB IDLE SPEED (RPM)</p>	<p>500 (DR)</p>	
<p>FAST IDLE SPEED (RPM)</p>	<p>1600 (P) OR (N)</p>	
<p>SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)</p>	<p>600 (DR)</p>	
<p>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.</p>		

<p>CATALYST AIR-EGR-EFE LOW ALTITUDE CERTIFICATION</p>		<p>TRANSMISSION AUTOMATIC</p>
<p>TIMING (° BTC @ RPM)</p>	<p>4° @ 500</p>	
<p>SPARK PLUG GAP (IN.)</p>	<p>0.045</p>	
<p>CURB IDLE SPEED (RPM)</p>	<p>500 (DR)</p>	
<p>FAST IDLE SPEED (RPM)</p>	<p>1600 (P) OR (N)</p>	
<p>SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)</p>	<p>600 (DR)</p>	
<p>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.</p>		

<p>XF 400 CU. IN. 812K4 8BFV</p>	<p>VEHICLE EMISSION CONTROL INFORMATION  GENERAL MOTORS CORPORATION</p>	<p>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.</p>
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<p>XH 400 CU. IN. 812K4 8CFV</p>	<p>VEHICLE EMISSION CONTROL INFORMATION  GENERAL MOTORS CORPORATION</p>	<p>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.</p>
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THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 5950 POUNDS AND A MAXIMUM FRONTAL AREA OF 41.0 SQUARE FEET.

Manufacturer: General Motors Corporation

Executive Order No. A-6-120 Pg. 15

L = Incomplete Vehicle
K = Single Canister

E. O. A-6-120
S. D. Sheet 15

<p>LK 350 CU. IN. 812K4 BBV</p>	<p>VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION </p>	<p>CATALYST AIR-EGR-EFE LOW ALTITUDE CERTIFICATION</p>	<p>TRANSMISSION AUTOMATIC</p>
<p>SET PARKING BRAKE AND BLOCK DRIVE WHEELS.</p> <p>MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE, CHOKE FULL OPEN AND AIR CLEANER INSTALLED.</p>		<p>TIMING (° BTC @ RPM) 8° @ 500</p>	<p>SPARK PLUG GAP (IN.) 0.045</p>
<p>1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTOR.</p>		<p>CURB IDLE SPEED (RPM) 500 (DR)</p>	<p>FAST IDLE SPEED (RPM) 1600 (P) OR (N)</p>
<p>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.</p>		<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 AND MAINTENANCE SCHEDULE I FOR ADDITIONAL INFORMATION.</p>	
<p>3. 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.</p>		<p>THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1978 MODEL YEAR NEW MOTOR VEHICLES WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 5950 POUNDS AND A MAXIMUM FRONTAL AREA OF 65.0 SQUARE FEET.</p>	

PT. NO. 476341

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