

State of California  
AIR RESOURCES BOARD

EXECUTIVE ORDER A-6-149  
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 are certified as described below for 1979 model-year gasoline-powered medium duty vehicles:

<u>Engine Family</u>	<u>Displacement Cubic Inches</u>	<u>Exhaust Emission Control Systems (Special Features)</u>
912R4	454	Air Injection Exhaust Gas Recirculation Oxidation Catalyst

Vehicle Models, Transmissions, Engine Codes and Evaporative Emission Control Families as listed on attachments.

The following are the certification emission values to be listed on the window decal required by California Assembly-Line Test Procedures for 1979 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>
912R4	0.7	13	2.2

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

BE IT FURTHER RESOLVED: That the listed vehicle models also comply with the Board's "Specifications for Fill Pipes and Openings of Motor Vehicle Fuel Tanks" (Title 13, California Administrative Code, Section 2290) for the aforementioned model year.

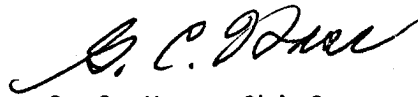
GENERAL MOTORS CORPORATION

EXECUTIVE ORDER A-6-149  
(Page 2 of 2)

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 18 day of September, 1978.



G. C. Hass, Chief  
Vehicle Emissions Control Division

Manufacturer: GENERAL MOTORS CORPORATION Executive Order No. A-6-149 Pg. 1

Engine (CID) 454 Exhaust Engine Family 912R4 Evaporative Engine Families 9B4-T, 9C4-T

**TRUCK MODEL IDENTIFICATION - Note 1.**

1. C = Chevrolet; T = GMC Truck
2. Chassis Type
3. GVW Range
4. CA Dimension/Model Type
5. Cab or Body Style
6. Body Ordering Code
7. Engine Ordering Code

**C C 10703 + E63 + IG9**

**CA Dimension/Model Type**

- 05 - Blazer, Jimmy, Step-Van, Value Van
- 07 - 47"/Pickup, Chassis-Cab
- 08 - FC or Motor Home Chassis, Step-Van, Value Van
- 09 - 56"/Suburban, Chassis-Cab, Pickup
- 10 - 60"/IC Chassis, Chery, Van, Vendure, Sponten, Rally Wagon, Chassis-Cab, Step-Van, Value Van
- 11 - Motor Home Chassis
- 12 - Chery Van, Vendure, Sponten, Rally Wagon, Cutaway Van, Hi-Cube Van
- 14 - 47"/IC or Motor Home Chassis, Chassis-Cab, Step-Van, Value Van
- 16 - Cutaway Van, Hi-Cube Van
- 18 - Motor Home Chassis

**Body Code**

- 244 - 47" Cutaway Van
- E31 - Hi-Cube Van (10" Steel Top)
- E32 - Step-Van, Value Van (Steel)
- E33 - Step-Van, Value Van (Aluminum)
- E34 - Hi-Cube Van (10" Steel)
- E37 - (Wide)
- E38 - Hi-Cube Van (96" Wide)
- E39 - Hi-Cube Van (117" Steel)
- E41 - Hi-Cube Van (96" Wide)
- E43 - Suburban (w/End Gate)
- E45 - Stealida (Fransdenida)
- E49 - Stealida (Wide Side)
- E94 - Beauville Sponten, Rally STX

**Engine Code**

- 124 - 250 SIn
- E3 - 292 SIn
- 109 - 305-2 V8
- 159 - 350-4 V8
- 174 - 400-4 V8
- 178 - 454-4 V8
- 171 - 350-DESE

Eng. Code	Air Cond.	Ign. Syst. EI, CA, VA DelcoRemy Distrib. Part No.	Fuel System Rochester Carb. Part No.	EGR System.	Trans. M=M-3 & M-4, A=A-3
1	W0	1103358	17059521	17056768	A
2	W	1103240	17059520	17058605	M-4
3	W or W0		17059501		

**INDEX TO TUNE-UP LABELS - Supp. Data Sheet No.**

Single Fuel Tank	Dual Fuel Tanks	A3	A4	A6	A7	A8	A9
		3	4	5			

Note 1. Chevrolet models are listed. GMC Truck Div. has a complete line of matching models, not listed. For GMC models, read T instead of C as the first letter of the model code.

**ABBREVIATIONS**

Ignition System	CA - Centrifugal Advance
	EI - Electronic Ignition
	VA - Vacuum Advance
Fuel System	nV - n Venturi Carburetor
Exh. Emis. Contr. Syst.	AI - Air Injection
	EGR - Exhaust Gas Recirculation
	OC - Oxidation Catalyst

Issued: 091978.

F44 - HVY Dty GVN  
AS3 - Rear Seat

Gasoline-powered  Light Duty Trucks  Medium Duty Vehicles  Executive Order No. A-6-149 Pg. 2  
 Engine (CID) 454 Exhaust Emission Control System AI, EGR, OC Engine Family 912R4  
 +10% (A/C) Yes  No

Manufacturer: GENERAL MOTORS CORPORATION

See Page 1 for:		Inertia Weight Class	Eng. Code	Transm.	Axle R(1)	Tune-up Label(2)	Eng. Code	Transm.	Axle R(1)	Tune-up Label(2)	Eng. Code	Transm.	Axle R(1)	Tune-up Label(2)	Eng. Code	Transm.	Axle R(1)	Tune-up Label(2)	
Model Code	Body Code																		
CC107 03	E62+F44	4500	1	A	A3	A3	2	A	2.76	A3									
	E63+F44	5000	1	A	A3	A3	2	A		A3									
CC109 03	E62+F44	5000	1	A	A3	A3	2	A		A3									
	E63+F44	5000	1	A	A3	A3	2	A		A3									
CC109 06	None	5000	1	A	A3	A3	2	A		A3									
	E55	5500	1	A	A3	A3	2	A		A3									
CC209 03	None	5500	1	A	A8	A8	2	A		A8	3	M-4	3.73	A6					
	E62	5000	1	A	A3	A3	2	A		A3	3	M-4							
	E63	5500	1	A	A3	A3	2	A	3.73	A3	3	M-4							
CC209 06	None	5500	1	A	A3	A3	2	A		A3									
	E55	5500	1	A	A3	A3	2	A		A3									
CC209 43	None	6000	1	A	A8	A8	2	A	4.10	A8									
	AS3	6000	1	A	A8	A8	2	A		A8									
	AS3 + E63	6000	1	A	A3	A3	2	A		A3									
	E63	6000	1	A	A3	A3	2	A		A3									

Comments: See page one for evaporative emission family identification and engine code descriptions. Please refer to manufacturer's HP list for correct dyno test HP settings based on model, equipment and inertia weight class. (1) Axle ratio of Certification Vehicle. (2) See Pg 1 for dual tank labels. (3) Single tank only.

Date of issue: 091978. Revisions:

1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

Manufacturer: General Motors Corporation Executive Order No. A-6-149 Pg. 3

A-3 - Single Fuel Tank

**A3**  
 7.4 liter (454 cu in)  
 912R4  
 94.1

**VEHICLE EMISSION CONTROL INFORMATION**  
 GENERAL MOTORS CORPORATION

**SET PARKING BRAKE AND BLOCK DRIVE WHEELS.**

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHECK FUEL 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 CURR BKT 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 TO 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.

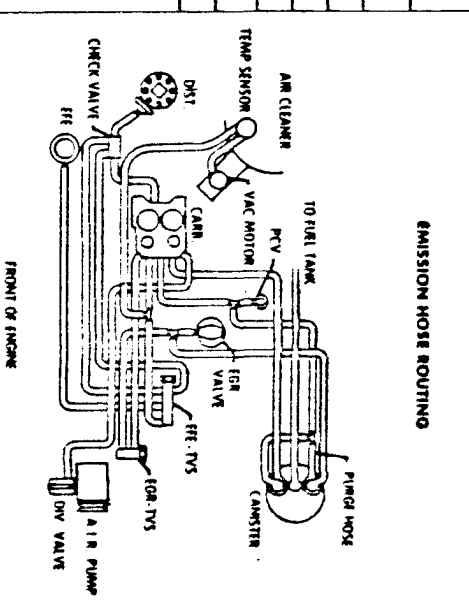
**CATALYST**  
 Air for ETC  
 LOW ALTITUDE (ESTERIKATION)

	TRANSMISSION	
	AUTOMATIC	MANUAL
TIMING (° BTDC @ RPM)	8° @ 550	8° @ 700
SPARK PLUG GAP (IN.)	0.045	0.045
CURR IDLE SPEED (RPM)	550 (RM)	700 (M)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	600 (RM)	—
FAST IDLE SPEED (RPM)	1600 (P) (M) (H)	1600 (H)

**NOTE** | HOLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE UP IS NOT PROVIDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTINGS BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.



GENERAL MOTORS

THIS VEHICLE COMPLIES TO U.S. EPA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW LIGHT DUTY TRUCKS AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW MEDIUM DUTY VEHICLES.

PT. NO. 14007838

A-4 - Dual Fuel Tanks

**A4**  
 7.4 liter (454 cu in)  
 912R4  
 94.1

**VEHICLE EMISSION CONTROL INFORMATION**  
 GENERAL MOTORS CORPORATION

**SET PARKING BRAKE AND BLOCK DRIVE WHEELS.**

MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHECK FUEL 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 HOSES AT CANISTERS. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURR BKT 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 TO 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 HOSES TO CANISTERS.

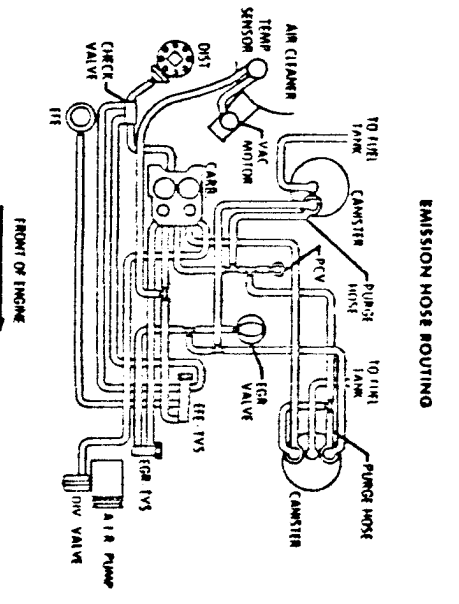
**CATALYST**  
 Air for ETC  
 LOW ALTITUDE (ESTERIKATION)

	TRANSMISSION	
	AUTOMATIC	MANUAL
TIMING (° BTDC @ RPM)	8° @ 550	8° @ 700
SPARK PLUG GAP (IN.)	0.045	0.045
CURR IDLE SPEED (RPM)	550 (RM)	700 (M)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)	600 (RM)	—
FAST IDLE SPEED (RPM)	1600 (P) (M) (H)	1600 (H)

**NOTE** | HOLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE UP IS NOT PROVIDED.

FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTINGS BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.



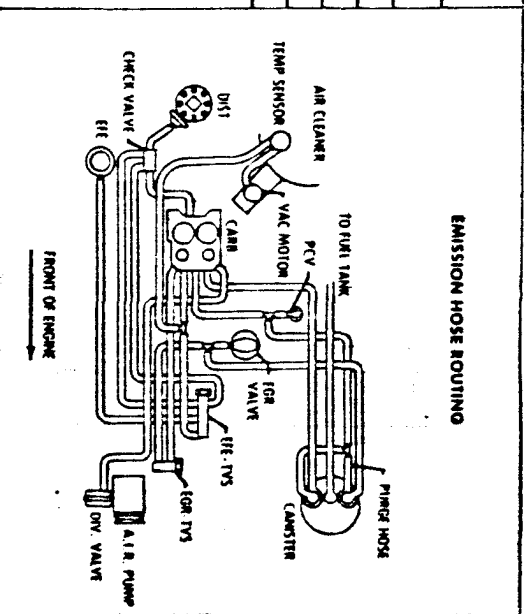
GENERAL MOTORS

THIS VEHICLE COMPLIES TO U.S. EPA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW LIGHT DUTY TRUCKS AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW MEDIUM DUTY VEHICLES.

PT. NO. 14007839

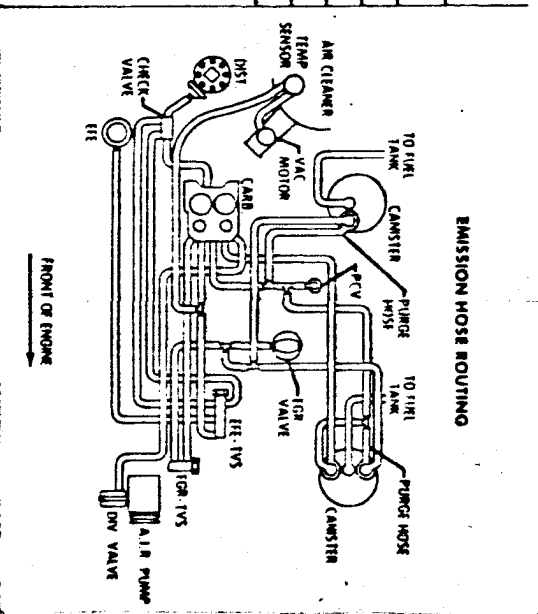
A-6 - Single Fuel Tank

<b>A6</b> 7 4 LITRE (454 CU IN) # 91784 984.1	<b>VEHICLE EMISSION CONTROL INFORMATION</b> GENERAL MOTORS CORPORATION		<b>CATALYST</b> AIR FOR ETC LOW ALTITUDE CERTIFICATION	TRANSMISSION MANUAL
	<b>SET PARKING BRAKE AND BLOCK DRIVE WHEELS.</b> MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHOKI 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 CARBURETOR PURGE HOSE AT CARBURETOR. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED. 3. WITH TRANSMISSION IN NEUTRAL, ADJUST FAST RISE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CARBURETOR PURGE HOSE TO CARBURETOR.			TIMING (° BTDC @ RPM) $\mu$ @ 700 SPARK PLUG GAP (IN.) 0.045 CURB IDLE SPEED (RPM) 700 (IN) FAST RISE SPEED (RPM) 1600 (IN)
THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 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.				
SET SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.				



A-7 - Dual Fuel Tanks

<b>A7</b> 7 4 LITRE (454 CU IN) # 91784 984.1	<b>VEHICLE EMISSION CONTROL INFORMATION</b> GENERAL MOTORS CORPORATION		<b>CATALYST</b> AIR FOR ETC LOW ALTITUDE CERTIFICATION	TRANSMISSION MANUAL
	<b>SET PARKING BRAKE AND BLOCK DRIVE WHEELS.</b> MAKE ALL ADJUSTMENTS WITH ENGINE AT NORMAL OPERATING TEMPERATURE. CHOKI 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 CARBURETOR PURGE HOSE AT CARBURETOR. ADJUST CARBURETOR SPEED SCREW TO OBTAIN SPECIFIED CURB IDLE SPEED. 3. WITH TRANSMISSION IN NEUTRAL, ADJUST FAST RISE SCREW TO SPECIFIED SPEED ON HIGH STEP OF CAM. UNPLUG AND RECONNECT VACUUM HOSE TO EGR VALVE AND CARBURETOR PURGE HOSES TO CARBURETOR.			TIMING (° BTDC @ RPM) $\mu$ @ 700 SPARK PLUG GAP (IN.) 0.045 CURB IDLE SPEED (RPM) 700 (IN) FAST RISE SPEED (RPM) 1600 (IN)
THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 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.				
SET SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.				



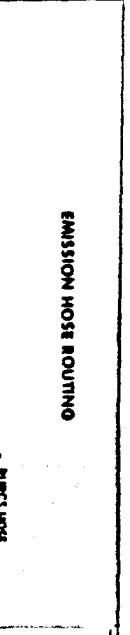
THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 MODEL YEAR NEW MOTOR VEHICLES WHEN COMPLETED AT A MAXIMUM CURB WEIGHT OF 5450 POUNDS AND A MAXIMUM FRONTAL AREA OF 41.0 SQUARE FEET. PT. NO. 14007841

Manufacturer: General Motors Corporation Executive Order No. A-6-149 Pg. 5

**A8**  
7.4 litre  
(454 CU. IN.)  
# 9172A  
984 I

**VEHICLE EMISSION CONTROL INFORMATION**  
GENERAL MOTORS CORPORATION

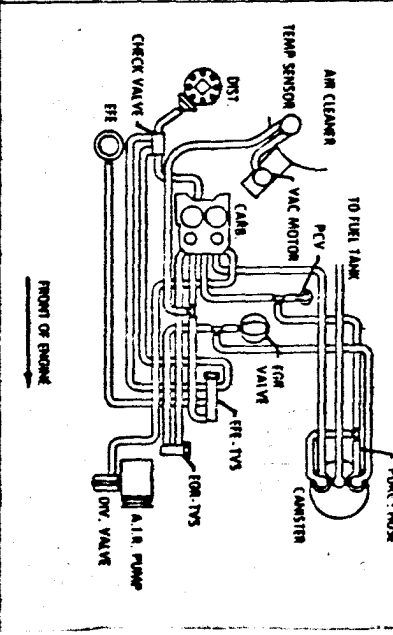
<b>CATALYST</b>		TRANSMISSION
AIR FOR EIE LOW ALTITUDE (CALIFORNIA)		AUTOMATIC
TIMING (° BTDC @ RPM)		8° @ 550
SPARK PLUG GAP (IN.)		0.045
CURB IDLE SPEED (RPM)		550 (DR)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)		600 (DR)
FAST IDLE SPEED (RPM)		1600 (P) OR (N)



**A9**  
7.4 litre  
(454 CU. IN.)  
# 0128A  
984 I

**VEHICLE EMISSION CONTROL INFORMATION**  
GENERAL MOTORS CORPORATION

<b>CATALYST</b>		TRANSMISSION
AIR FOR EIE LOW ALTITUDE (CALIFORNIA)		AUTOMATIC
TIMING (° BTDC @ RPM)		8° @ 550
SPARK PLUG GAP (IN.)		0.045
CURB IDLE SPEED (RPM)		550 (DR)
SOLENOID ASM. ADJUSTMENT WITH AIR COND. (RPM)		600 (DR)
FAST IDLE SPEED (RPM)		1600 (P) OR (N)



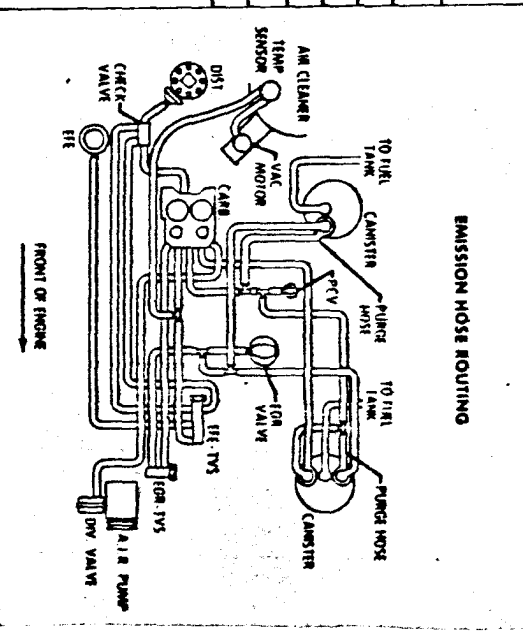
**SET PARKING BRAKE AND BLOCK DRIVE WHEELS.**

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

1. DISCONNECT AIR PLUG VACUUM HOSE AT DISTRIBUTOR. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED (MAPING AND RECONNECT VACUUM HOSE TO DISTRIBUTOR)
2. DISCONNECT AIR PLUG VACUUM HOSE AT EGR VALVE AND CANISTER PURGE HOSES AT CANISTERS. 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. (MAPING AND RECONNECT VACUUM HOSE TO EGR VALVE AND CANISTER PURGE HOSES TO CANISTERS.)

**VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 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.**

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.



Issued: 091978.

THIS VEHICLE CONFORMS TO U.S. EPA AND CALIFORNIA REGULATIONS APPLICABLE TO 1979 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.

PT. NO. 140078A2

PT. NO. 140078A3