

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.

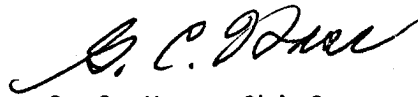
GENERAL MOTORS CORPORATION

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, Spontan, Rally Wagon, Chassis-Cab, Step-Van, Value Van
- 11 - Motor Home Chassis
- 12 - Chery Van, Vendure, Spontan, 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 - Steplide (Fransdenide)
- E49 - Steplide (Wide Side)
- E94 - Beauville Spontan, 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. 3

| Single Fuel Tank | Dual Fuel Tanks | A3 | A4 | A6 | A7 | A8 | A9 |
|------------------|-----------------|----|----|----|----|----|----|
| | | | | | | | |

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

| 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) |
|-----------------|-----------|----------------------|-----------|---------|-----------|------------------|-----------|---------|-----------|------------------|-----------|---------|-----------|------------------|
| Model Code | Body Code | | | | | | | | | | | | | |
| CC107 03 | E62+F44 | 4500 | 1 | A | A3 | A3 | 2 | A | 2.76 | A3 | 3 | M-4 | 3.73 | A6 |
| | E63+F44 | 5000 | 1 | A | A3 | A3 | 2 | A | | A3 | | | | |
| CC109 03 | E62+F44 | 5000 | 1 | A | A3 | A3 | 2 | A | | A3 | 3 | M-4 | | |
| | 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 | | | | |
| | 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 DISTRIBUTION. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTION.
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.

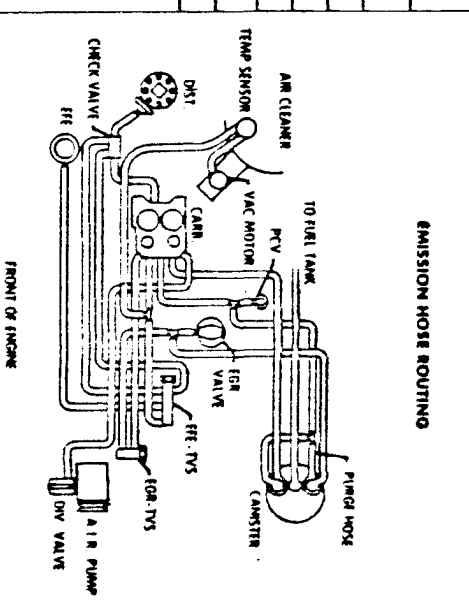
CATALYST
 Air for ETC
 LOW ALTITUDE (ESTERICATION)

| | 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 DISTRIBUTION. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. UNPLUG AND RECONNECT VACUUM HOSE TO DISTRIBUTION.
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.

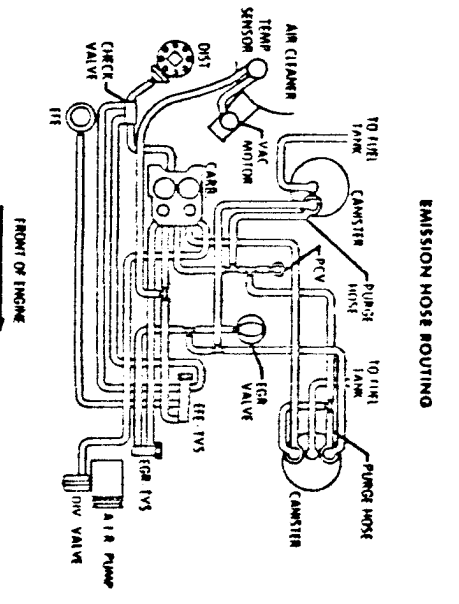
CATALYST
 Air for ETC
 LOW ALTITUDE (ESTERICATION)

| | 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.

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SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.



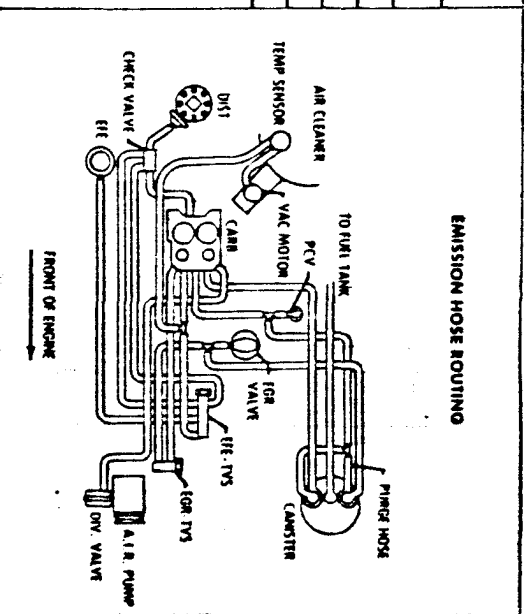
GENERAL MOTORS

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

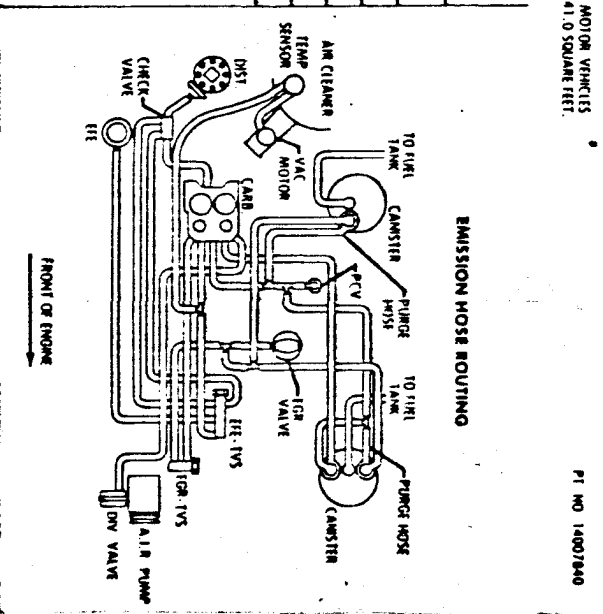
A-6 - Single Fuel Tank

| | | | | |
|---|---|--|---|---------------------------------|
| A6 7 4 LITRE (454 CU IN) # 91784 984.1 | VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION | | CATALYST AIR FOR ETC LOW ALTITUDE CERTIFICATION | TRANSMISSION MANUAL |
| | SET PARKING BRAKE AND BLOCK DRIVE WHEELS. 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 CANISTER PURGE HOSE AT CANISTER. 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 CANISTER PURGE HOSE TO CANISTER. | | | FAST RISE SPEED (RPM) 1600 (IN) |
| VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION | | CATALYST AIR FOR ETC LOW ALTITUDE CERTIFICATION | TRANSMISSION MANUAL | |
| SET PARKING BRAKE AND BLOCK DRIVE WHEELS. 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 CANISTER PURGE HOSE AT CANISTER. 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 CANISTER PURGE HOSE TO CANISTER. | | TIMING (° BTDC @ RPM) # @ 700 SPARK PLUG GAP (IN.) 0.045 CURB IDLE SPEED (RPM) 700 (IN) FAST RISE SPEED (RPM) 1600 (IN) | [] ONE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVIDE INFORMATION FOR ADJUSTMENT DURING TUNE UP IS NOT PROVIDED. FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS. | |



A-7 - Dual Fuel Tanks

| | | | | |
|---|---|--|---|---------------------------------|
| A7 7 4 LITRE (454 CU IN) # 91784 984.1 | VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION | | CATALYST AIR FOR ETC LOW ALTITUDE CERTIFICATION | TRANSMISSION MANUAL |
| | SET PARKING BRAKE AND BLOCK DRIVE WHEELS. 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 CANISTER PURGE HOSE AT CANISTER. 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 CANISTER PURGE HOSE TO CANISTER. | | | FAST RISE SPEED (RPM) 1600 (IN) |
| VEHICLE EMISSION CONTROL INFORMATION GENERAL MOTORS CORPORATION | | CATALYST AIR FOR ETC LOW ALTITUDE CERTIFICATION | TRANSMISSION MANUAL | |
| SET PARKING BRAKE AND BLOCK DRIVE WHEELS. 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 CANISTER PURGE HOSE AT CANISTER. 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 CANISTER PURGE HOSE TO CANISTER. | | TIMING (° BTDC @ RPM) # @ 700 SPARK PLUG GAP (IN.) 0.045 CURB IDLE SPEED (RPM) 700 (IN) FAST RISE SPEED (RPM) 1600 (IN) | [] ONE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVIDE INFORMATION FOR ADJUSTMENT DURING TUNE UP IS NOT PROVIDED. FOR MAJOR REPAIR, ADJUSTING MIXTURE SETTING BY OTHER THAN APPROVED SERVICE MANUAL PROCEDURE MAY VIOLATE FEDERAL AND/OR CALIFORNIA OR OTHER STATE LAWS. | |



1979 AIR RESOURCES BOARD SUPPLEMENTAL DATA SHEET - GM FORMAT

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

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

A8
 7.4 LITER
 (454 CU. IN.)
 * 0172A
 084 1

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

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

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTION. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. IMPRUG AND RECONNECT VACUUM HOSE TO DISTRIBUTION.
2. DISCONNECT AND PLUG VACUUM HOSE AT FOR 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. IMPRUG AND RECONNECT VACUUM HOSE TO FOR VALVE AND CANISTER PURGE HOSE TO CANISTERS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.

CATALYST

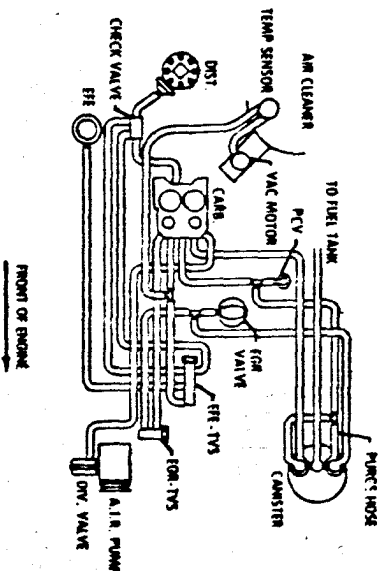
LOW ALTITUDE (CRITERIA)

| TRANSMISSION | 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) |

[NOTE] IDLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE UP IS PROVIDED.

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

EMISSION HOSE ROUTING



A-9 - Dual Fuel Tank

VEHICLE EMISSION CONTROL INFORMATION
GENERAL MOTORS CORPORATION

A9
 7.4 LITER
 (454 CU. IN.)
 * 0172A
 084 1

SET PARKING BRAKE AND BLOCK DRIVE WHEELS.

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

1. DISCONNECT AND PLUG VACUUM HOSE AT DISTRIBUTION. SET IGNITION TIMING AT SPECIFIED ENGINE SPEED. IMPRUG AND RECONNECT VACUUM HOSE TO DISTRIBUTION.
2. DISCONNECT AND PLUG VACUUM HOSE AT FOR 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. IMPRUG AND RECONNECT VACUUM HOSE TO FOR VALVE AND CANISTER PURGE HOSES TO CANISTERS.

SEE SERVICE MANUAL AND MAINTENANCE SCHEDULE FOR ADDITIONAL INFORMATION.

CATALYST

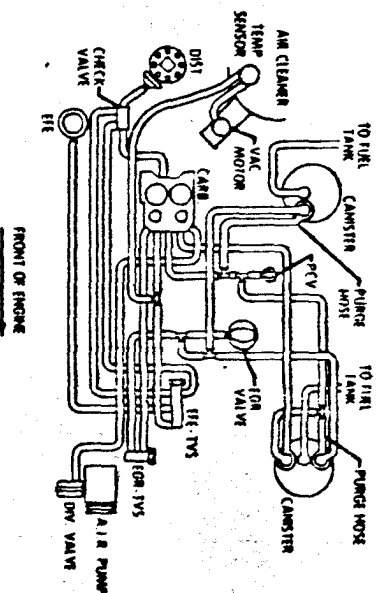
LOW ALTITUDE (CRITERIA)

| TRANSMISSION | 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) |

[NOTE] IDLE MIXTURE SCREWS ARE PRESET AND SEALED AT FACTORY. PROVISION FOR ADJUSTMENT DURING TUNE UP IS NOT PROVIDED.

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

EMISSION HOSE ROUTING



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.

Issued: 091978.

PT. NO. 140072A2