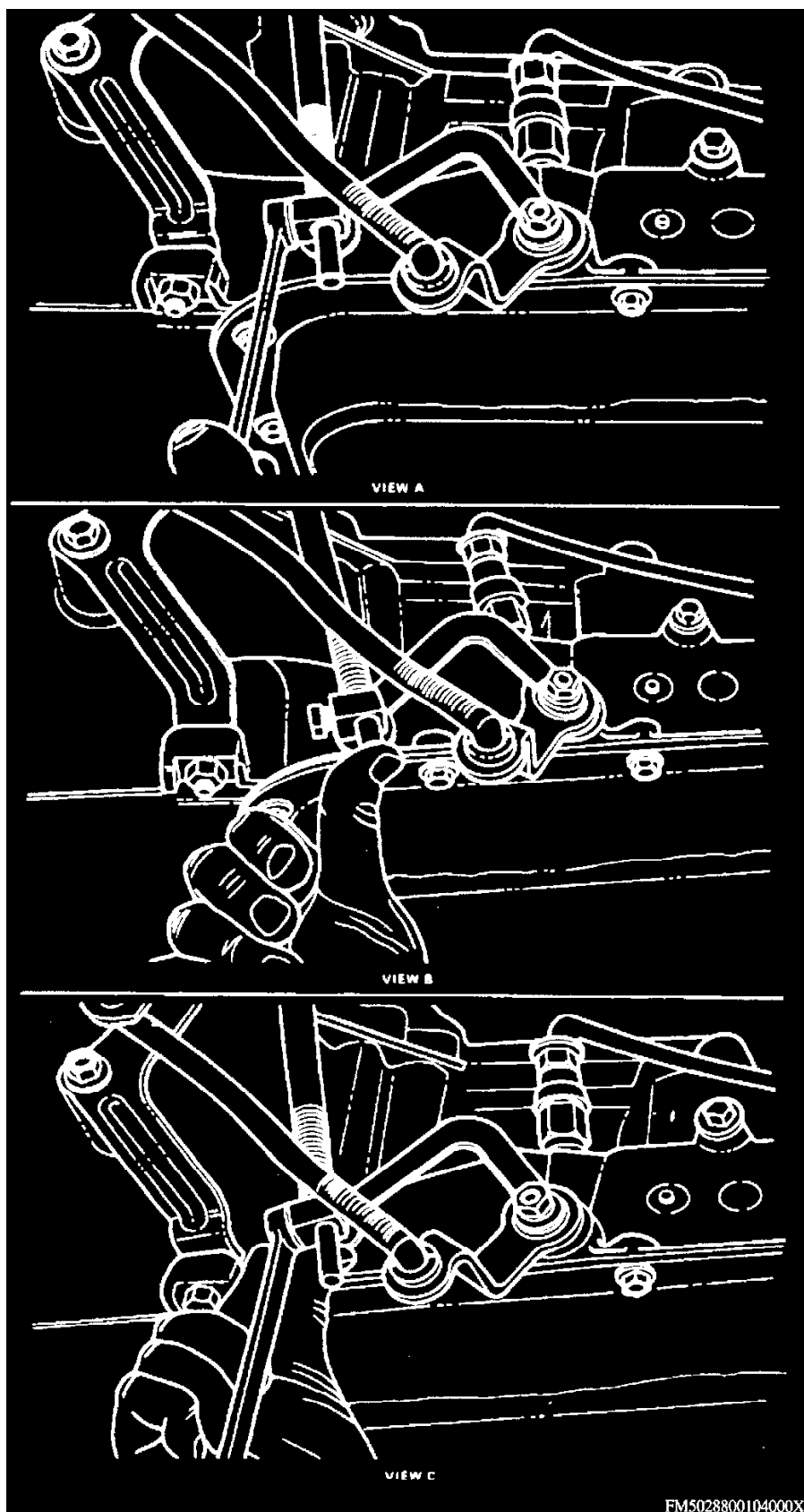


Throttle Valve Cable/Linkage: Adjustments With AOD

At Transmission

ADJUST

1. Ensure engine idle speed is set to specification.
2. Disconnect fast idle cam from throttle body so throttle lever is at its idle stop.
3. Position linkage lever screw at approximately the midpoint.
4. Raise and support vehicle.



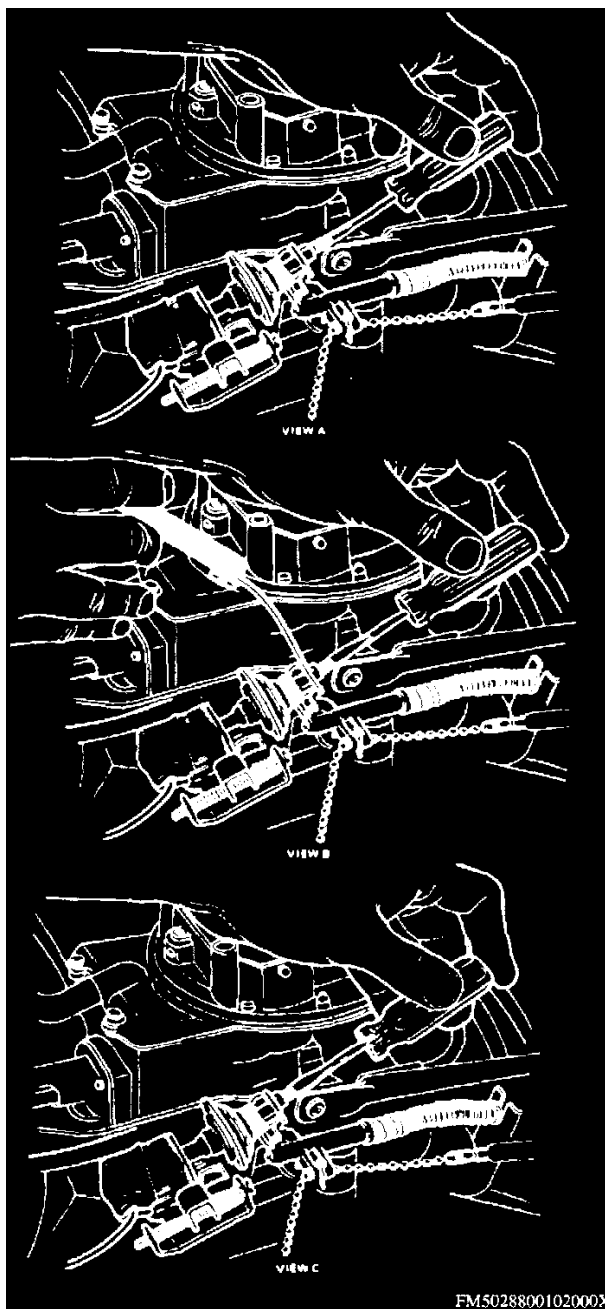
FM5028800104000X

TV Control Rod Adjustment At Transmission

5. Using a suitable tool, loosen bolt on sliding trunnion block on TV control rod assembly.
6. Push up on the lower end of the control rod to ensure linkage lever at throttle body is firmly against the throttle lever.
7. Push TV control lever on the transmission up against internal stop, then tighten bolt on trunnion block.

At Throttle Body
ADJUST

1. Ensure engine idle speed is set to specification.
2. Disconnect fast idle cam from throttle body so throttle lever is at its idle stop.
3. Turn adjusting on linkage lever completely counterclockwise.



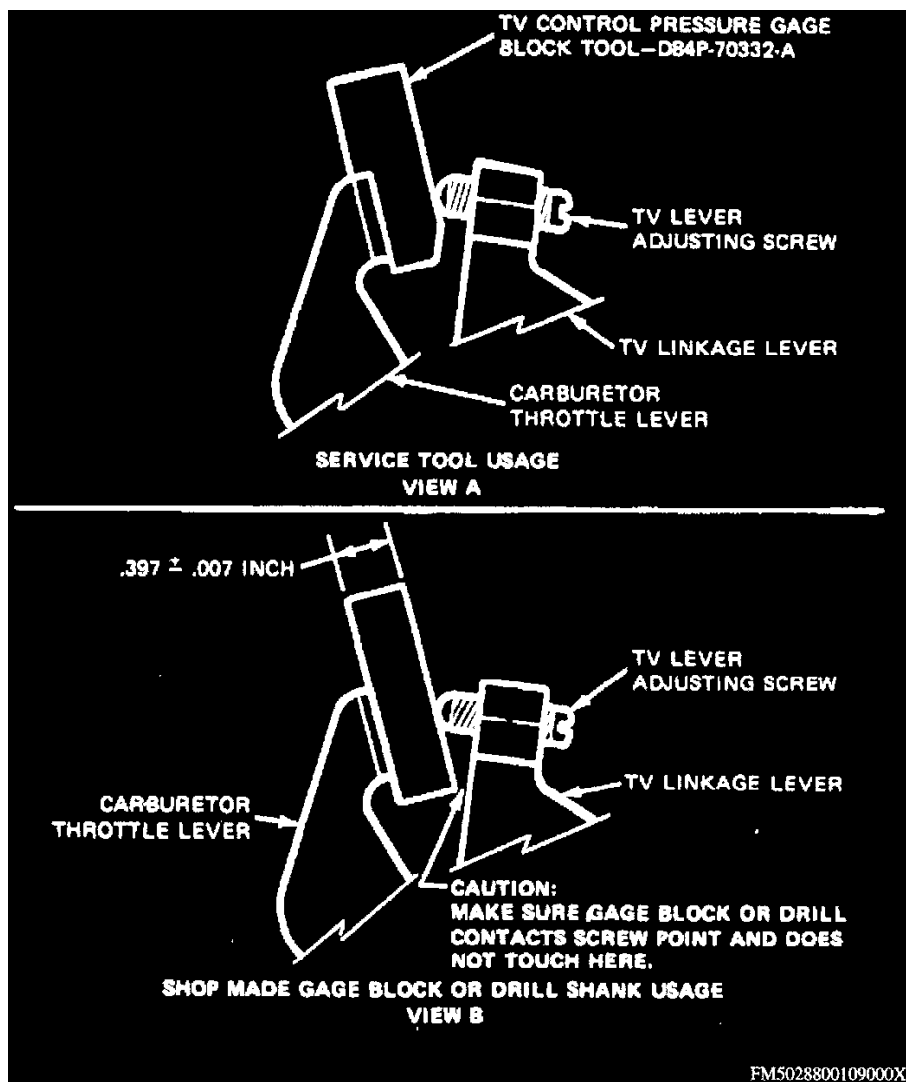
TV Control Rod Adjustment At Carburetor

4. Turn adjusting screw clockwise until a **0.005** feeler gauge can be installed with minimum friction.
5. Turn adjusting screw an additional four turns.

Throttle Rod Linkage

ADJUST TV ROD LINKAGE

1. Check curb idle speed, adjusting as necessary. Ensure curb idle speed is set to specification with and without the throttle solenoid positioner (anti-diesel solenoid) energized, if equipped.
2. Using adapter fitting D80L-77001 -A or equivalent, attach suitable pressure gauge to TV port on transmission, using enough flexible hose so that gauge can be read while operating engine.



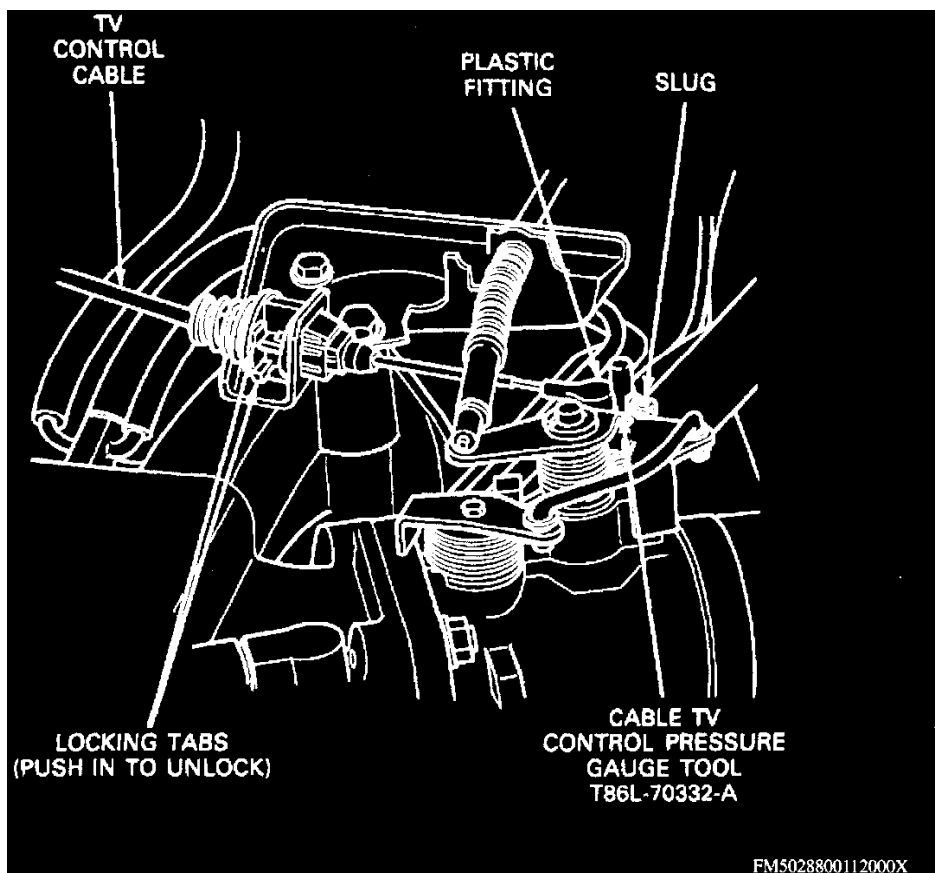
TV Control Pressure Gauge Block Tool

- Obtain TV control pressure gauge block No. D84P-70332-A or fabricate a block **0.390-0.404 inch** thick.
- Run engine until it reaches normal operating temperature and the throttle lever is off fast idle, or the Idle Speed Control (ISC) plunger, if equipped, is at its normal idle position. Ensure transmission fluid temperature is approximately **100-150° F**.
- Apply parking brake, place shift selector in Neutral, remove air cleaner and shut off air conditioner. If equipped with a vacuum operated throttle modulator, disconnect and plug vacuum line to this unit. If equipped with a throttle solenoid positioner or an idle speed control, do not disconnect either of these units.
- With engine idling in Neutral and no accessory load on engine, insert gauge block between carburetor throttle lever and adjustment screw on the TV linkage lever at the carburetor. The TV pressure should be **28-38 psi**. For optimum setting, use adjusting screw to set pressure as close to **33 psi** as possible. Turning the screw in will raise the pressure **1.5 psi** per turn and backing out the screw will lower the pressure. If equipped with idle speed control, some "hunting" may occur and an average pressure reading will have to be determined. If the adjusting screw does not have enough adjustment range to bring TV pressure within specification, first adjust rod at transmission as previously described.
- Remove gauge block, allowing TV lever to return to idle. With engine still idling in Neutral, TV pressure must be less than **5 psi**. If not, back out adjusting screw until TV pressure is less than **5 psi**, then reinstall gauge block and ensure TV pressure is still **28-38 psi**.

Throttle Valve Cable Linkage

TV CABLE LINKAGE

- Attach TV pressure gauge with hose, tool No. T86L-70002-A or equivalent, to TV pressure port on transmission.
- Remove protective cover from cable linkage, if equipped.



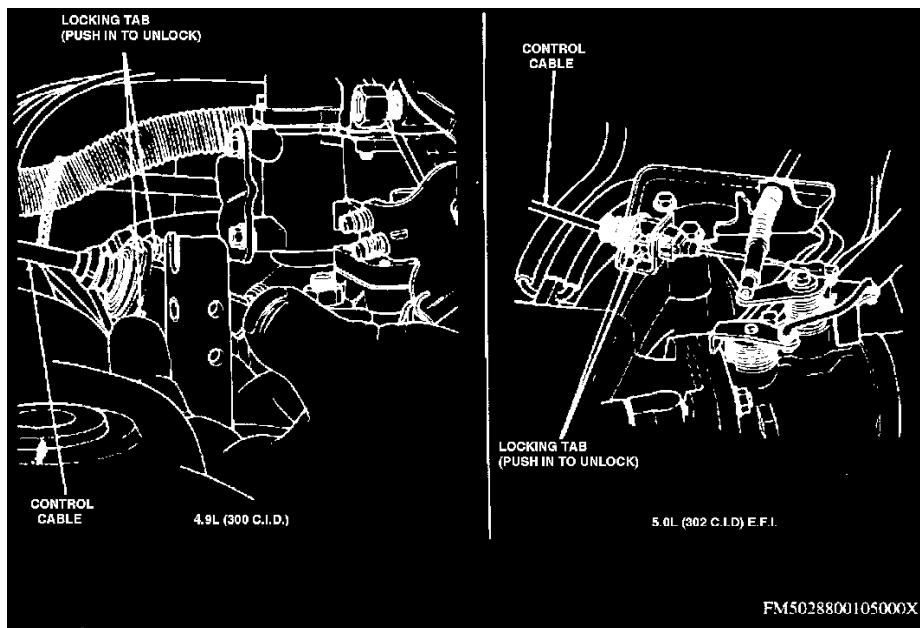
TV Control Pressure Inspection & Adjustment

3. Install tapered end of cable TV control pressure gauge tool No. T86L-70332-A or equivalent between crimped slug on end of cable and the plastic cable fitting that attaches to the throttle lever.
4. Push gauge tool in, forcing the crimped slug away from the plastic fitting, ensuring gauge block is pushed in as far as it will go.
5. Run engine until it reaches normal operating temperature and temperature of transmission fluid is **100-150° F**.
6. Apply parking brake and place shift selector in Neutral. TV pressure should be **28-38 psi**. For best results, set TV pressure as close to **33 psi** as possible as follows:
 - a. Using suitable tool, pry up white toggle lever on cable adjuster located immediately behind throttle body cable mounting bracket. The adjuster preload spring should cause the adjusting slider to move away from the throttle body and TV pressure should increase.
 - b. Push on slider from behind bracket until TV pressure is **33 psi** and while still holding slider, push down on toggle lever as far as it will go, locking slider in position.
7. Remove gauge tool, allowing cable to return to its normal idle position.
8. If TV pressure is not less than **5 psi**, reinstall gauge block and repeat step 6 setting TV pressure to a pressure less than **33 psi** but not less than **28 psi**.
9. Remove gauge block and ensure TV pressure is less than **5 psi**.

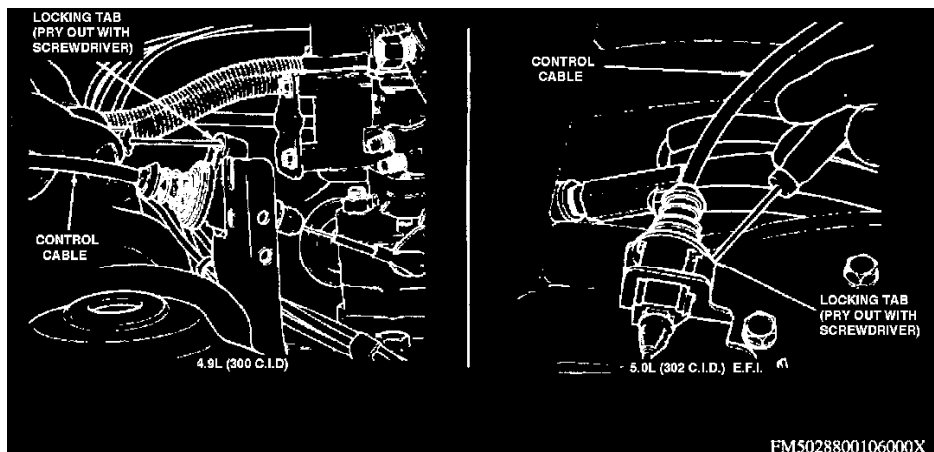
TV Control Cable

ADJUST

1. On models with carbureted engines, working inside of engine compartment, locate Self Test Connector and Self Test Input Connector. These two connectors are next to each other.
2. Connect a jumper wire between the Self Test Input Connector and the Signal Return (ground) of the Self Test Connector.
3. Turn ignition key to RUN position but do not start engine.
4. Ensure ISC plunger retracts. Wait approximately **10 seconds** for plunger to fully retract.
5. Shut OFF key, remove jumper wire and remove air cleaner.
6. On all models, apply parking brake and place selector lever in "N".
7. Ensure throttle lever is at idle stop. If not, check for binding or interference in throttle system, do not attempt to adjust idle stop.
8. Ensure cable routing is free of sharp bends or pressure points and that cable operates freely. Lubricate TV lever ball stud with suitable lubricant as necessary.

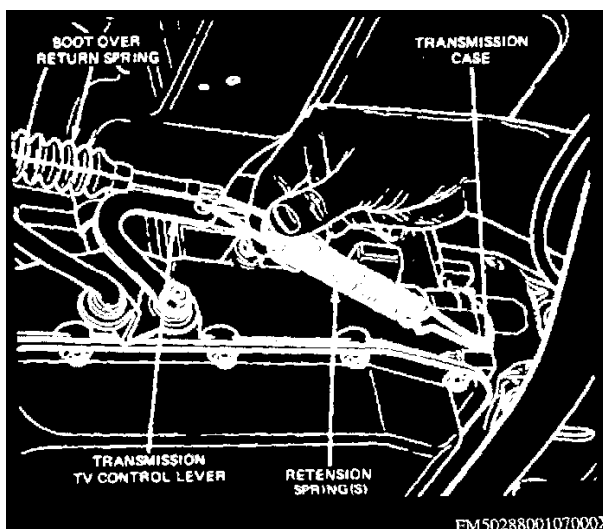


Unlocking TV Control Cable Locking Tab



Prying Up TV Control Cable Locking Tab

- 9. Unlock locking tab at end by pushing up from below, then pry up the rest of the way to free cable.

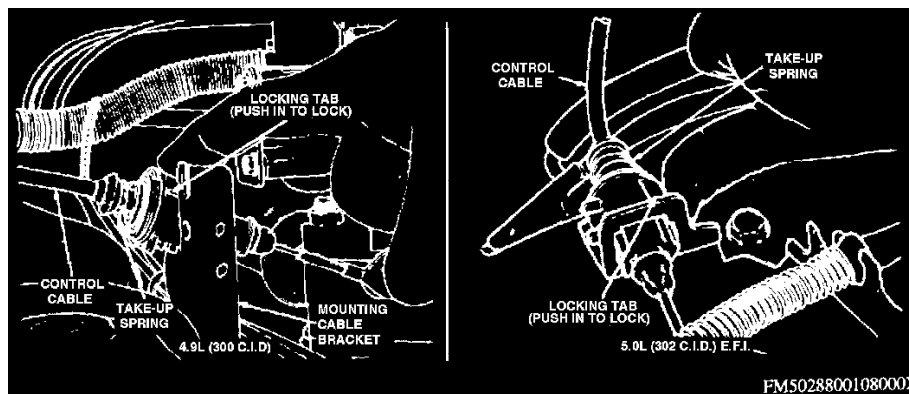


TV Lever Retention Spring Installation

- 10. Install retention spring on TV control lever to hold lever in idle position.

NOTE: If suitable single spring is not available, two V8 TV return springs may be used. Attach retention spring(s) to transmission TV lever and hook rear end of spring to transmission case.

11. On carbureted engines, de-cam carburetor. The carburetor throttle lever must be in the anti-diesel idle position. Ensure take up spring properly tensions cable and that there is no binding or sticking in sliding adjusting mechanism. If spring is loose or bottomed out, check for bent cable brackets.



TV Control Cable Locking Tab Installation

12. On all models, press down on locking key until flush.
13. Remove retention springs from transmission TV lever.