



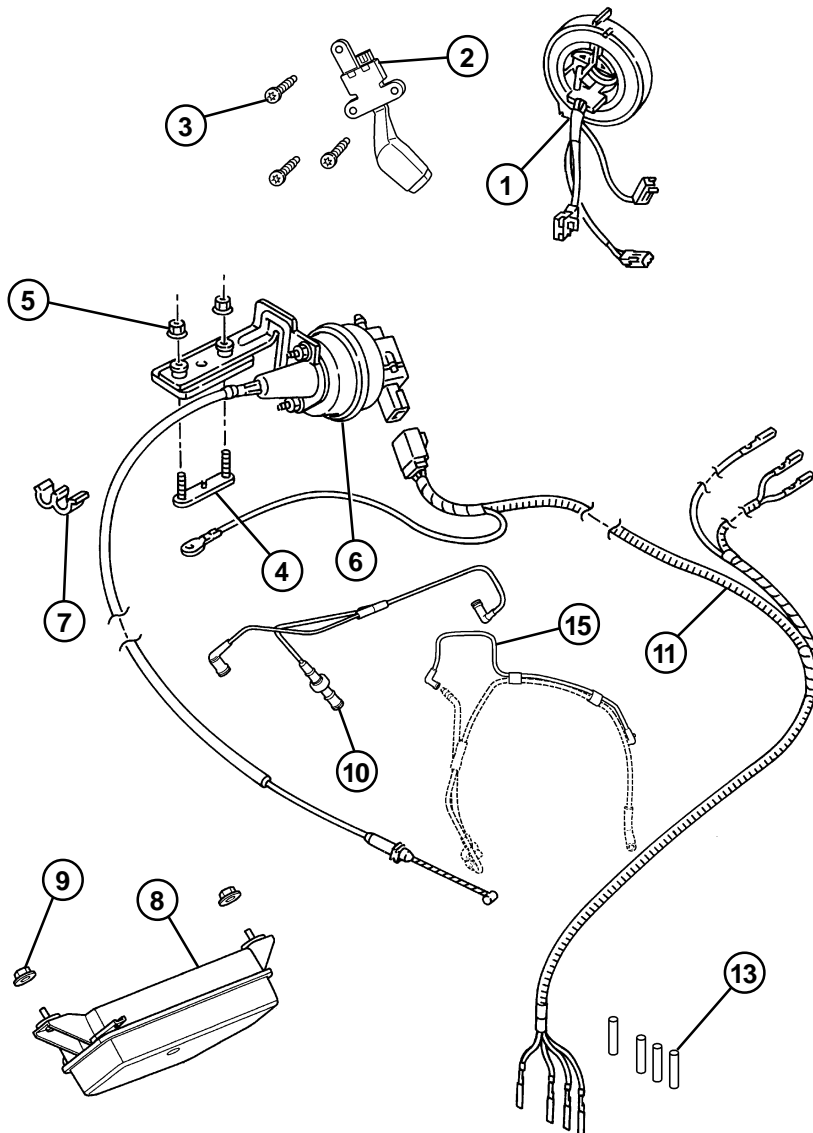
INSTALLATION INSTRUCTIONS

Read entire instructions thoroughly before starting. References to the service manual will be required for adjustments, fastener torques, and diagnosis.

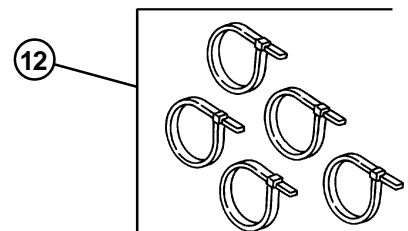
TOOLS REQUIRED:

- Small flathead screwdriver
- Complete metric socket set
- Flat, round file
- #2 phillips screwdriver
- Trim stick
- T20, T25 Torx driver
- Hooked pick tool
- Silicone sealant
- Modeler's knife
- Rosin core solder
- Solder gun
- Heat shrink wire wrap
- 3/32" drill bit
- Pin drill
- Torque wrench

CONTENTS:

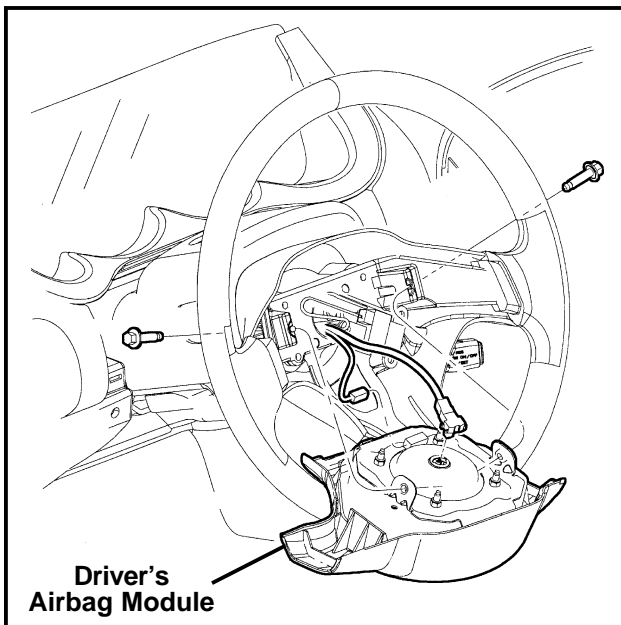


Item	Qty.	Description
①	1	Clockspring
②	1	Speed Control Switch
③	3	Self-Threading Screws
④	1	Bolt Plate
⑤	2	Servo Mounting Nuts
⑥	1	Servo Assembly
⑦	1	Cable Clip
⑧	1	Vacuum Reservoir
⑨	2	Reservoir Mounting Nuts
⑩	1	Vacuum Harness
⑪	1	Servo Wiring Assembly
⑫	10	Tie Straps
⑬	4	Terminals
⑭	1	Instruction Sheet
⑮	1	Vacuum Harness (2004 +)

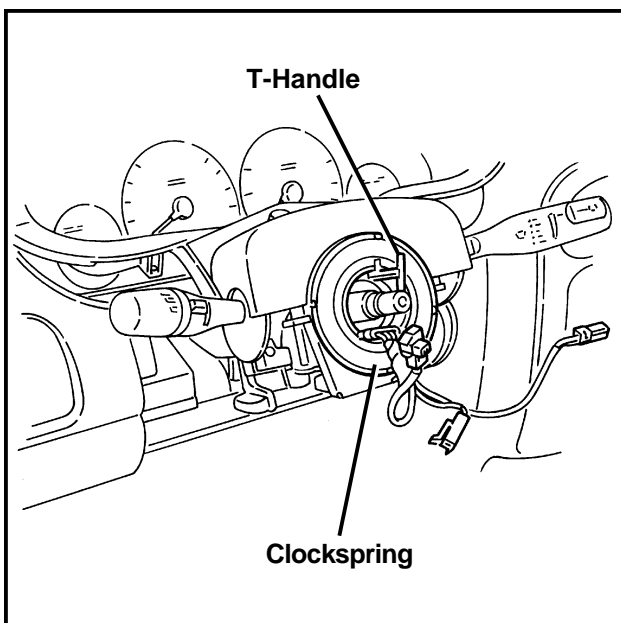


CAUTION !

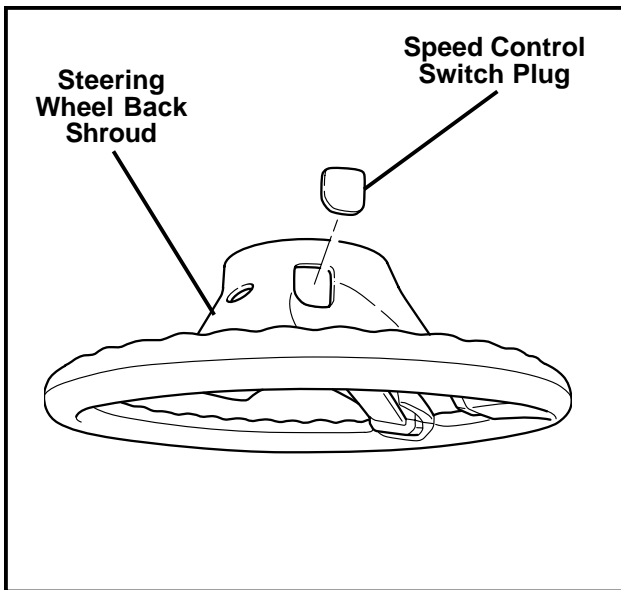
The airbag system is a sensitive, complex electro-mechanical unit. Disconnect and isolate the battery negative cable before beginning airbag system component removal or installation procedures. This will disable the airbag system. Failure to disconnect the battery could result in accidental airbag deployment and possible personal injury. Allow system capacitor to discharge for two minutes before removing airbag components. Do not place an intact, undeployed airbag face down on a solid surface, the airbag will propel into the air if accidentally deployed and could result in personal injury. When carrying or handling an undeployed airbag module, the trim side of the airbag should be pointing away from the body to minimize possibility of injury if accidental deployment occurs.



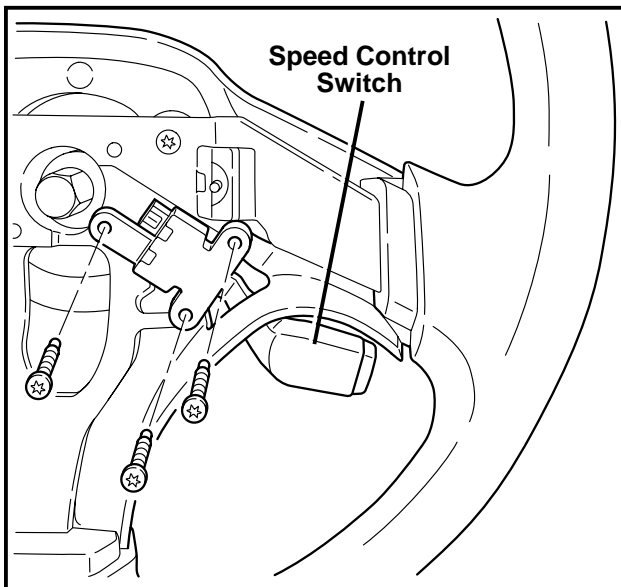
- 1) Disconnect negative battery cable and isolate.
- 2) Center the steering wheel and make sure front wheels are pointed straight ahead.
- 3) Disconnect and remove driver's airbag module with a flathead screwdriver and a 8mm socket wrench.
- 4) Remove bolt from steering column shaft with a 13mm socket wrench. Pull off the steering wheel.



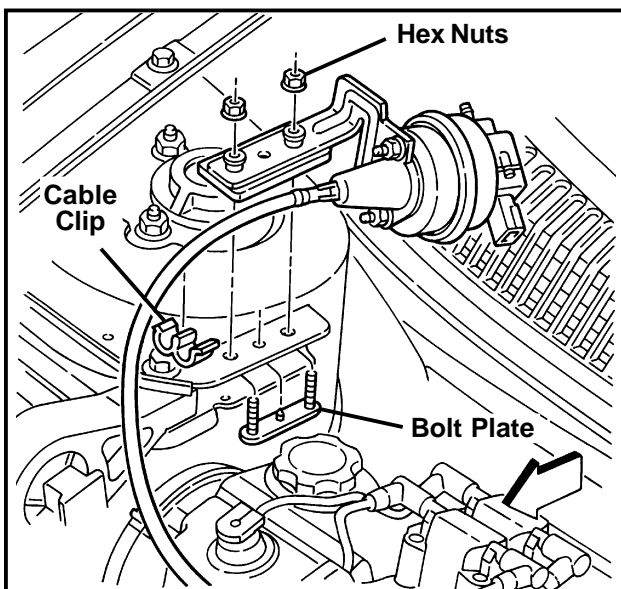
- 5) Unscrew two phillips fasteners to remove the lower steering column shroud.
- 6) Remove and discard the existing clockspring.
- 7) Install new clockspring (Item 1), then remove T-handle.



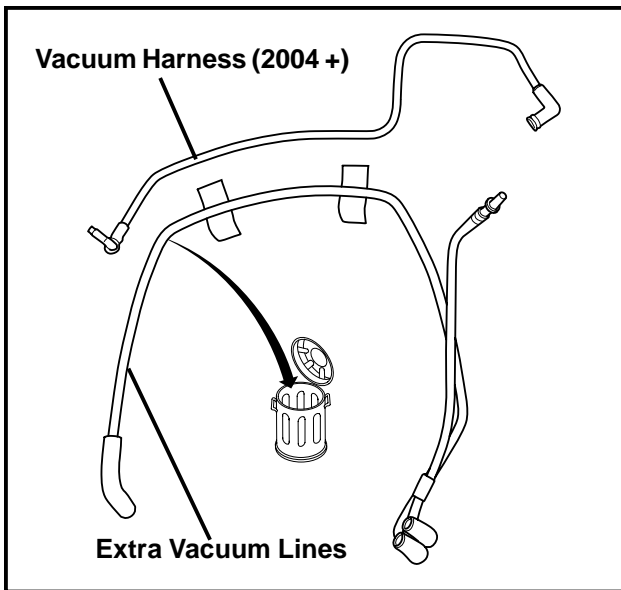
- 8) Place steering wheel on a protected surface. Cleanly trim out plug in the steering wheel back shroud for the speed control switch. (Item 2)
- 9) Re-install steering wheel to column. Torque the mounting bolt to 40 ft.-lbs. (54.2 N•m).



- 10) Install speed control switch using supplied T25 screws (Item 3).
- 11) Route switch connector from the clockspring to the speed control switch and plug it in.
- 12) Plug airbag and horn connectors into the driver's airbag module and re-install airbag.

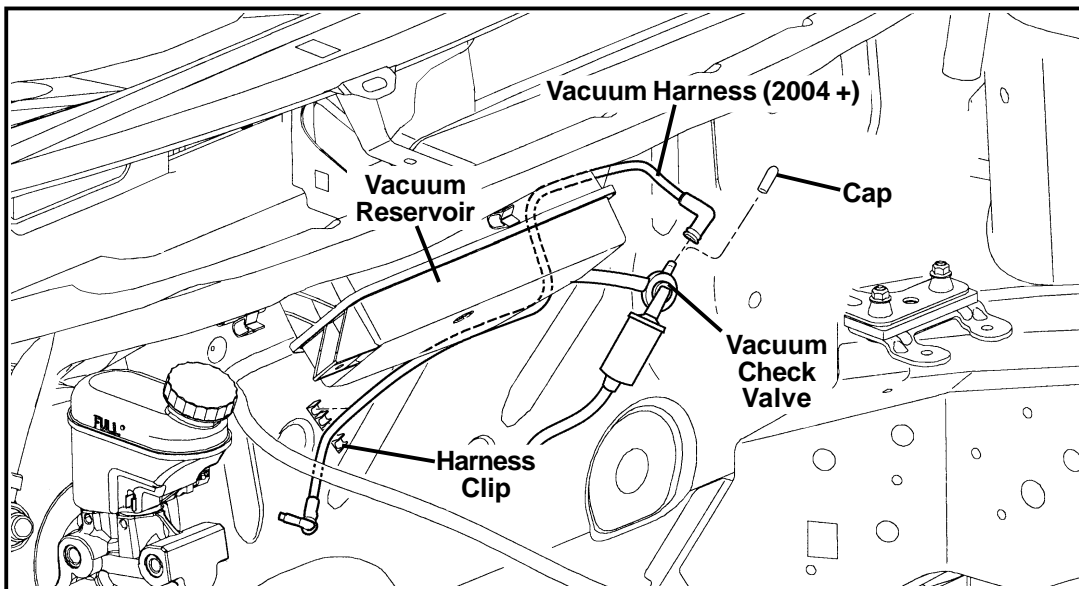


- 13) Using the supplied bolt plate (Item 4) and hex flanged nuts (Item 5), install servo assembly (Item 6) to the vehicle as shown.
- 14) Route servo cable forward, then across to the air cleaner assembly.
- 15) Secure servo cable to the accelerator cable using supplied clip. (Item 7)



Step 15a - 15e on 2004 + models

15a) Cut tape on Vacuum Harness (2004 +) and discard extra vacuum lines.

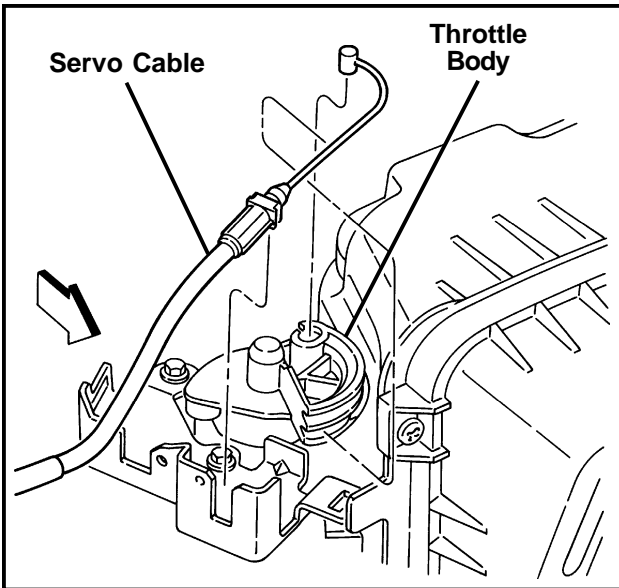


15b) Remove cap on Vacuum Check Valve.

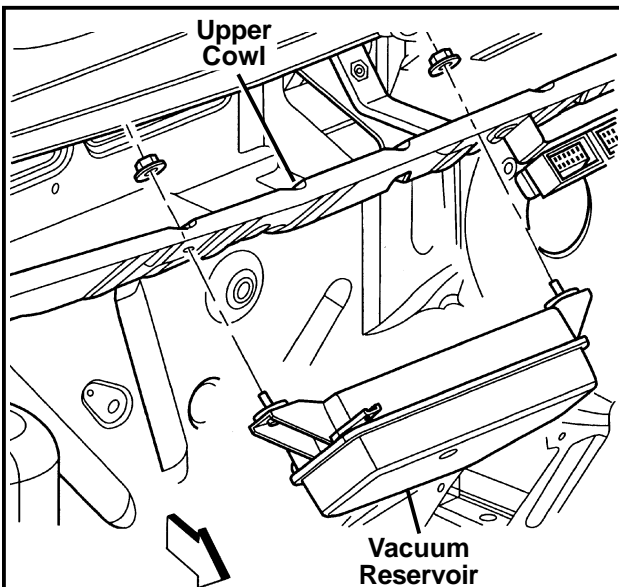
15c) Route Vacuum harness (2004 +) along firewall behind Vacuum Reservoir.

15d) Attach female end of Vacuum Harness (2004 +) to Vacuum Check Valve.

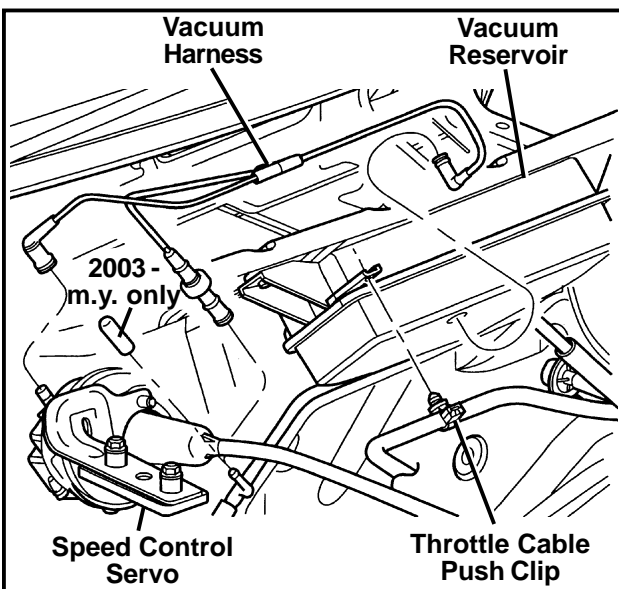
15e) Clip Vacuum Harness (2004 +) into top notch of existing Harness Clip.



- 16) Remove air cleaner assembly: Unscrew one forward facing bolt and one outboard facing nut. Loosen the air hose clamp. Unplug connectors and tubes.
- 17) Disconnect the accelerator cable.
- 18) Attach servo cable to the throttle body as shown. Re-attach the accelerator cable.

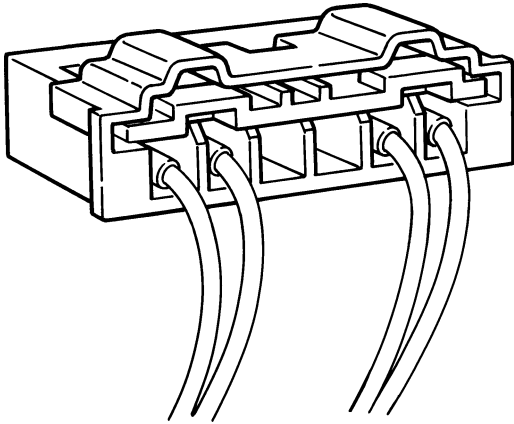


- 19) Unscrew three T20 screws to remove the passenger's side cowl screen.
- 20) Carefully disengage throttle cable push clip from the upper cowl to access right vacuum reservoir mounting stud.
- 21) Install vacuum reservoir (Item 8) to the upper cowl using supplied nuts (Item 9). Torque to 50 in.-lbs. (5.6 N•m).

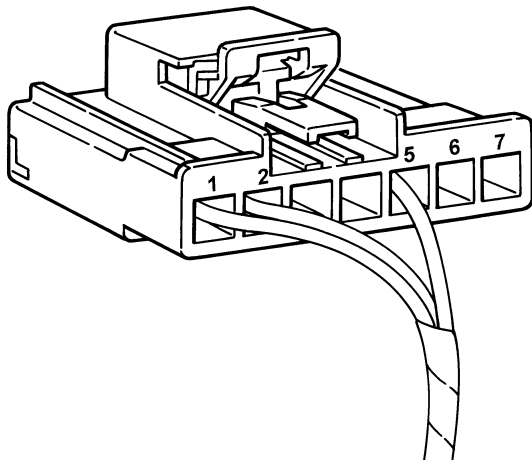


- 22) Remove and discard cap from vacuum fitting, then attach check valve from the vacuum harness (Item 10).
- 23) Attach vacuum harness to the servo and reservoir as shown.
- 24) Install throttle cable push clip into reservoir.
- 25) Re-install the passenger's side cowl screen.
- 26) Look for possible existing 4-way servo connector taped back to the engine compartment harness near the speed control servo.

Brake Light Switch Connector



Clockspring Connector



- 27) Disconnect 6-way brake light switch connector and look for existing wires in the two center cavities.

- 28) Disconnect 7-way clockspring connector and look for existing wires in cavities 6 and 7.

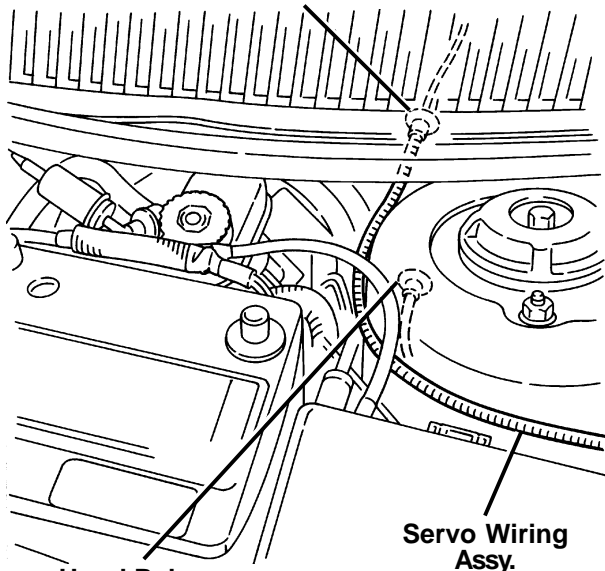
NOTE:

If there is existing wiring present at all these locations it means that the vehicle has been pre-wired for speed control and the servo wiring assembly (Item 11) will not have to be installed. Re-Install the connectors and proceed to Step 43.

NOTE:

If wiring is not present at any one of these locations, the servo wiring assembly will have to be installed. Proceed with Step 29.

Clutch Cable Grommet



Hood Release Cable Grommet

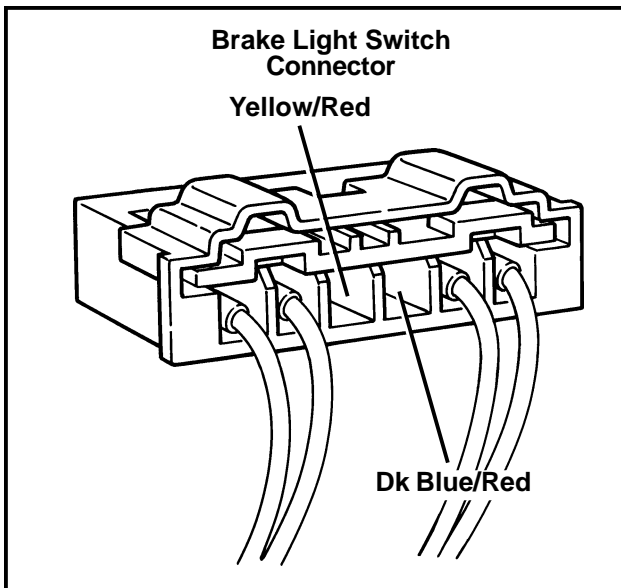
Servo Wiring Assy.

Vehicles with automatic transmission:

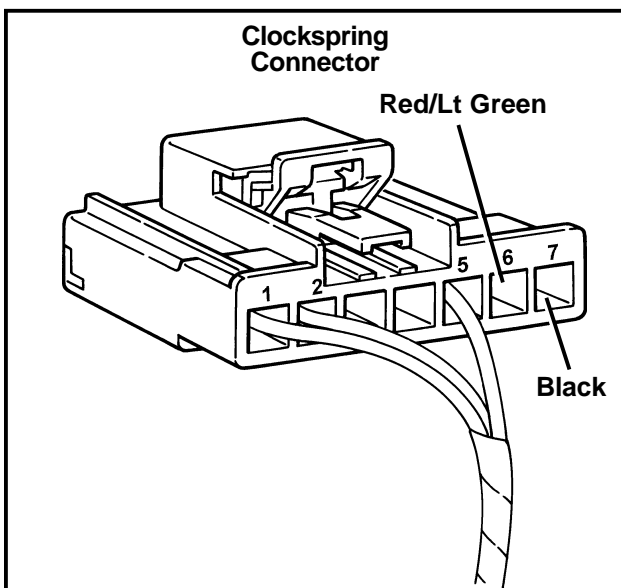
- 29) Pierce a hole through unused clutch cable bulkhead grommet from inside drivers compartment out.

Vehicles with manual transmission:

- 29a) Pierce a hole through hood release cable bulkhead grommet from inside drivers compartment out.



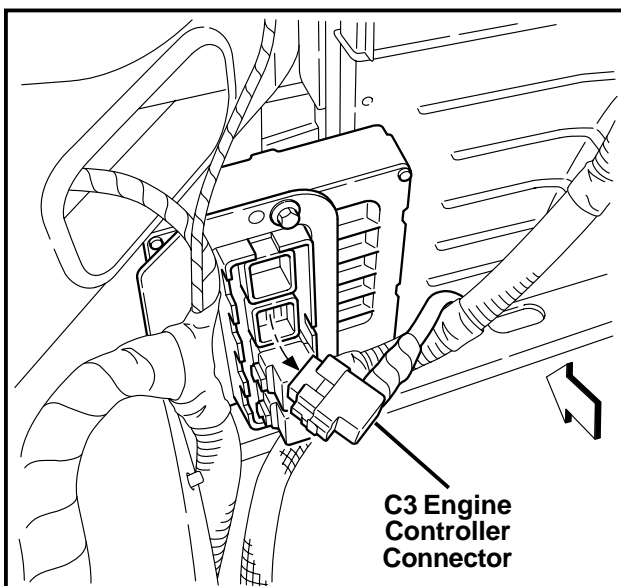
- 30) Route three wires from the servo wiring assembly (Item 11) into the driver's compartment up to the convolute covering.
- 31) ***Important:*** Close the pierced hole with silicone sealant.
- 32) Carefully pry out locking wedge from the brake light switch connector. Insert yellow/red and dk. blue/red wires into the two center cavities. It doesn't matter which wire goes into which cavity. Re-install locking wedge and connector.



- 33) Carefully pry out locking wedge from the clockspring connector. Insert red/lt. green and black wires into the connector as shown. Re-install locking wedge and connector.

NOTE:

You may have to remove existing wires from connector cavities 6 and 7. Trim off the terminals and tape back wires to the harness.



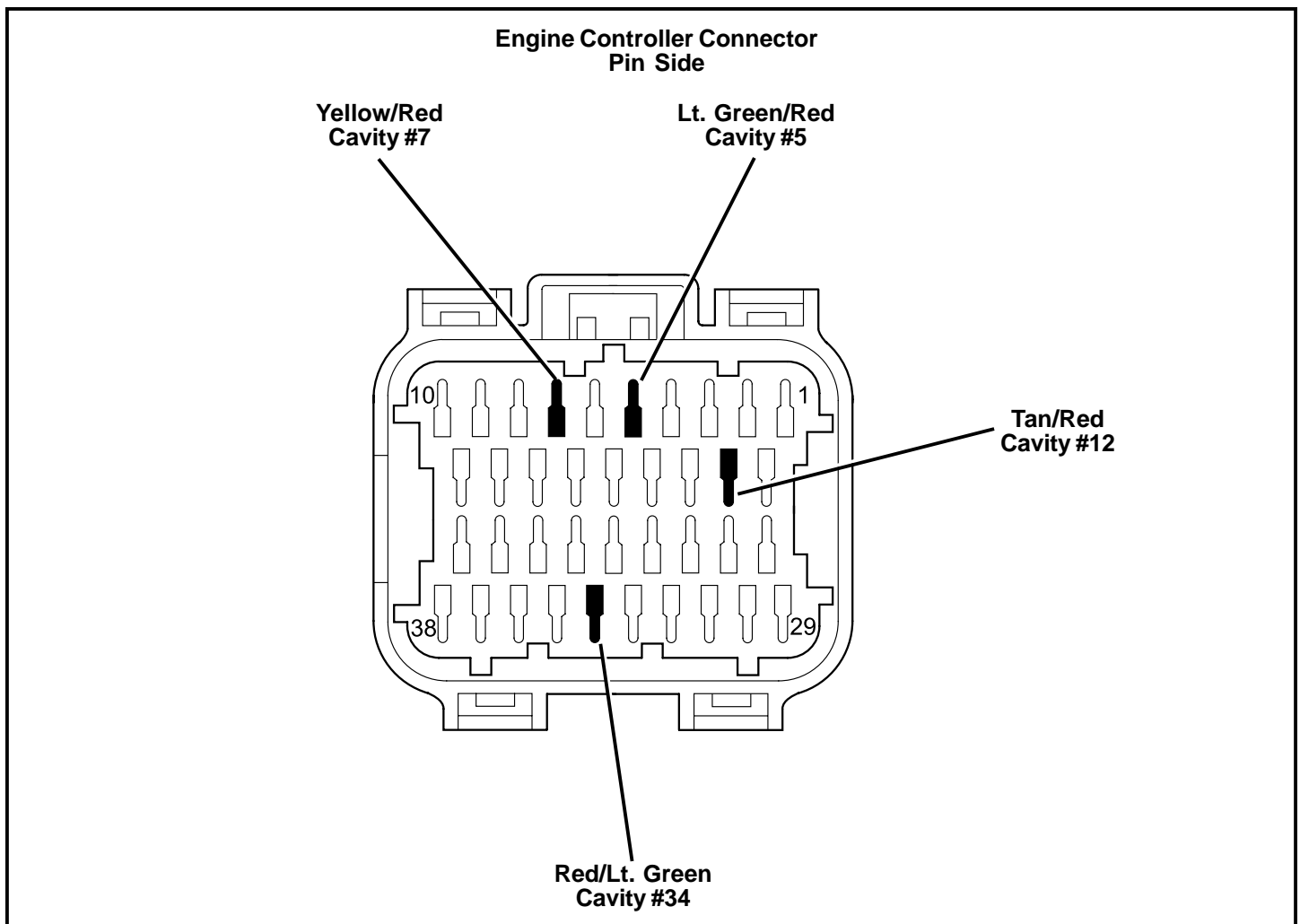
- 34) Secure the servo wiring assembly to existing I/P harness with tie straps. (Item 12)
- 35) Route four terminated wires from the wiring harness overlay to the engine controller.
- 36) Un-plug the C3 connector (black cover/white insulator) and remove wire cover.

- 37) Locate existing speed control wiring that may be present in the connector. Refer to the graphic below for locations.

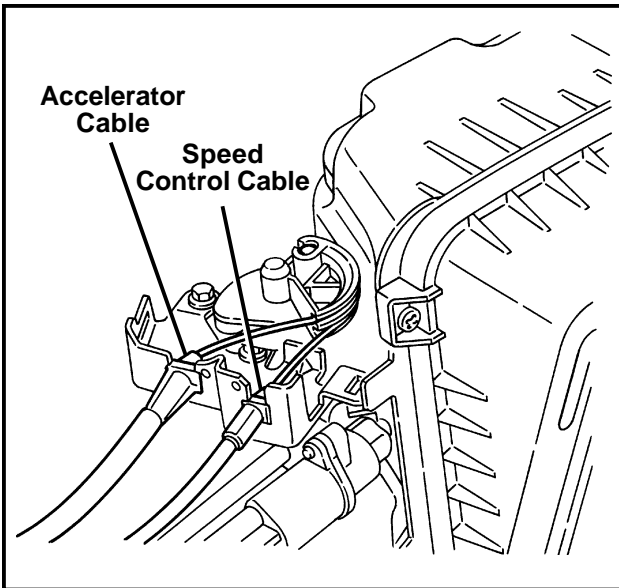
If no wiring present in connector cavities:

If wiring is present in connector cavities:

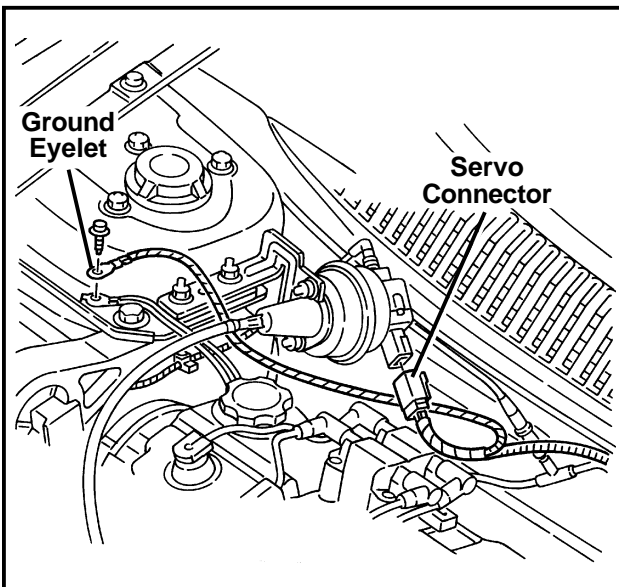
- A) Trim off the existing wire, leaving enough wire to solder to.
- B) Trim off terminal from corresponding servo wire and splice to existing wire.
- C) Solder and heat shrink the splice.
- A) Carefully pry out two side tabs to remove the terminal cover from connector.
- B) Using a 3/32" bit and pin drill, open up holes thru the red seal at the locations shown below.
- C) Trim off four existing terminals from the wiring harness overlay. Crimp and solder on four supplied terminals (Item 13). Be sure that terminals go in fully and lock into place.
- D) Insert wires into connector as shown.



- 38) Re-install terminal cover and wire cover to the connector. Plug and lock connector back into the engine controller.



- 39) Re-install the air cleaner assembly. Make sure that the throttle opens smoothly with no binding when it returns to idle.



- 40) Route 4-way connector from the servo wiring assembly across the bulkhead then plug and lock into the servo.
- 41) Attach ground eyelet to existing ground on the RH motor mount.
- 42) Tie strap servo wiring assembly inside the engine compartment away from any moving or heated parts.

- 43) Re-install all previously removed and saved fasteners and components.
- 44) With the ignition switch set to the ON position, re-connect negative battery cable and test drive your work!
- 45) Refer customer to the owner's manual for speed control operation procedures.

TROUBLESHOOTING NOTE:

Refer to the service manual, diagnostic repair manual, or the MDS system. This system is identical to the factory-installed system.

