

Dashboards / Instrument Panel: Service and Repair

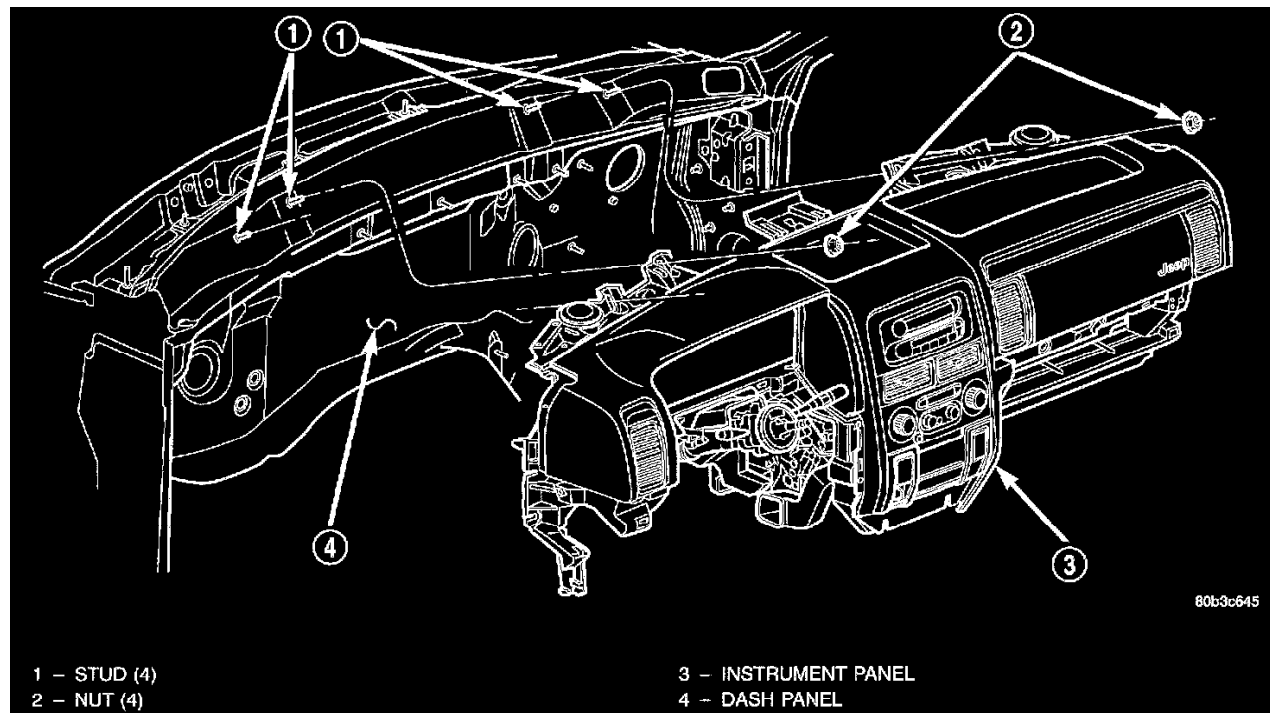
Instrument Panel Assembly Replacement

WARNING: ON VEHICLES EQUIPPED WITH AIRBAGS, REFER TO AIR BAGS AND SEAT BELTS/AIR BAGS BEFORE ATTEMPTING ANY STEERING WHEEL, STEERING COLUMN, OR INSTRUMENT PANEL COMPONENT DIAGNOSIS OR SERVICE. FAILURE TO TAKE THE PROPER PRECAUTIONS COULD RESULT IN ACCIDENTAL AIRBAG DEPLOYMENT AND POSSIBLE PERSONAL INJURY. See: Restraint Systems/Air Bag Systems

REMOVAL

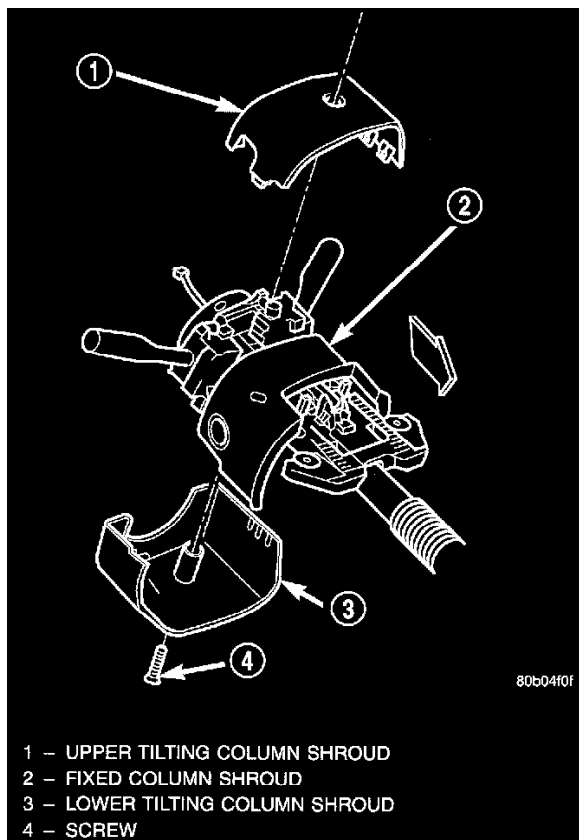
NOTE: Before starting this procedure, be certain to turn the steering wheel until the front wheels are in the straight-ahead position.

1. Disconnect and isolate the battery negative cable.
2. Remove the trim from the right and left A-pillars. See: Trim Panel/Service and Repair/A-Pillar
3. Remove the top cover from the instrument panel. See: Instrument Panel Top Cover Replacement



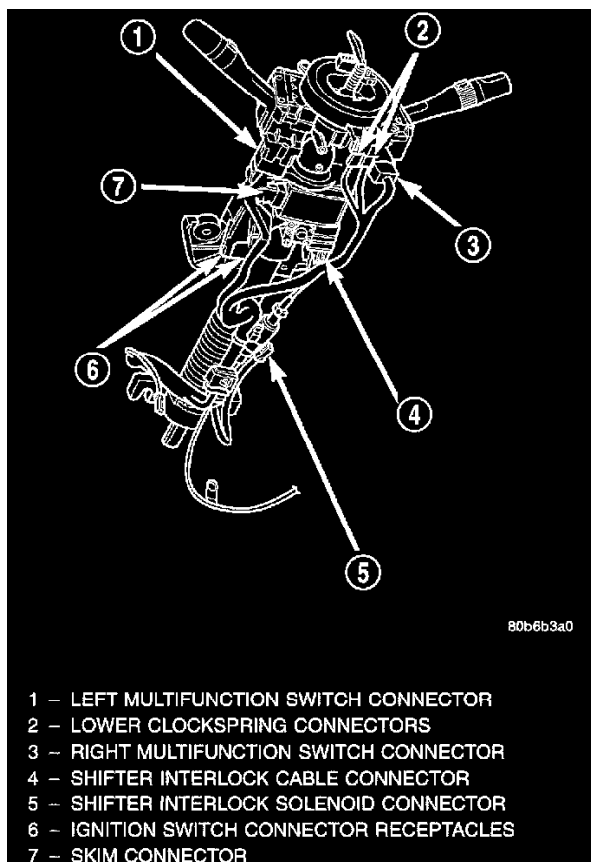
Instrument Panel To Dash Panel Mounting

4. Remove the four nuts that secure the instrument panel to the studs on the dash panel near the windshield fence line.
5. Remove the scuff plates from the right and left front door sills.
6. Remove the trim panels from the right and left inner cowl sides.
7. Remove the console from the floor panel transmission tunnel.
8. Remove the fuse cover from the junction block.
9. Remove the cluster bezel from the instrument panel.
10. Remove the steering column opening cover from the instrument panel.
11. Remove the steering column bracket from the instrument panel steering column support bracket.



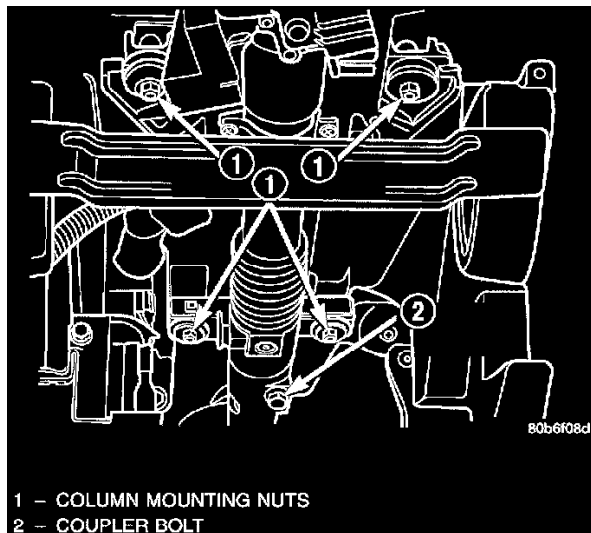
Steering Column Shrouds Remove/Install

12. Remove the screw that secures the lower tilting steering column shroud to the steering column multifunction switch mounting housing.
13. Unsnap the two halves of the tilting steering column shroud from each other and remove both halves from the steering column.



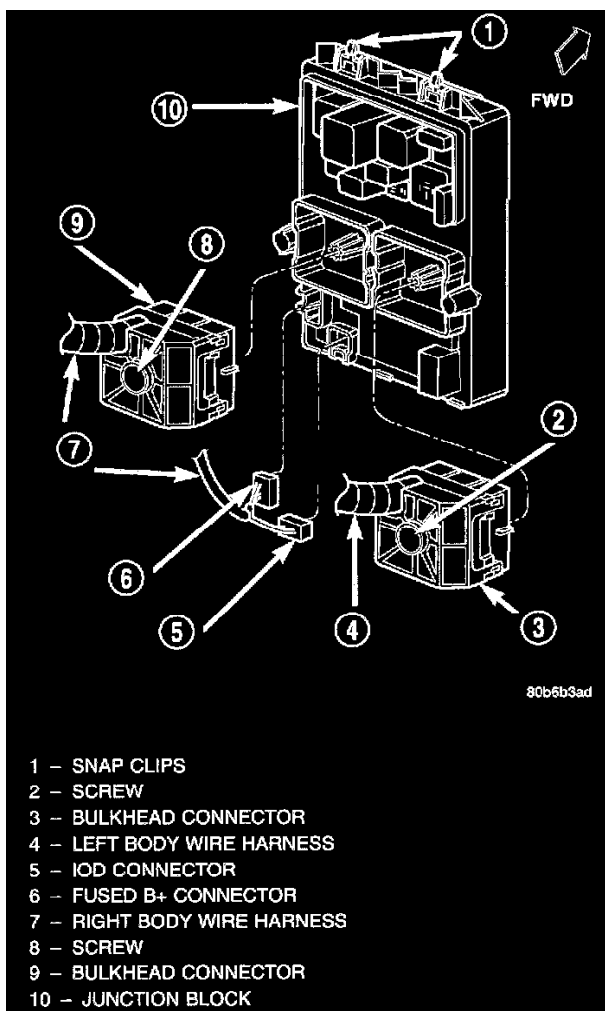
Steering Column Connections

14. Disconnect the instrument panel wire harness connectors from the following steering column components: the two lower clockspring connector receptacles
 - the left multifunction switch receptacle
 - the right multifunction switch receptacle
 - the two ignition switch receptacles
 - the shifter interlock solenoid receptacle
 - if the vehicle is so equipped, the Sentry Key Immobilizer Module (SKIM) receptacle.
15. Turn the ignition switch to the On position, then release and remove the shifter interlock cable connector from the ignition lock housing receptacle.
16. Turn the ignition switch back to the Lock position to prevent steering wheel rotation and the loss of clockspring centering following steering column removal.



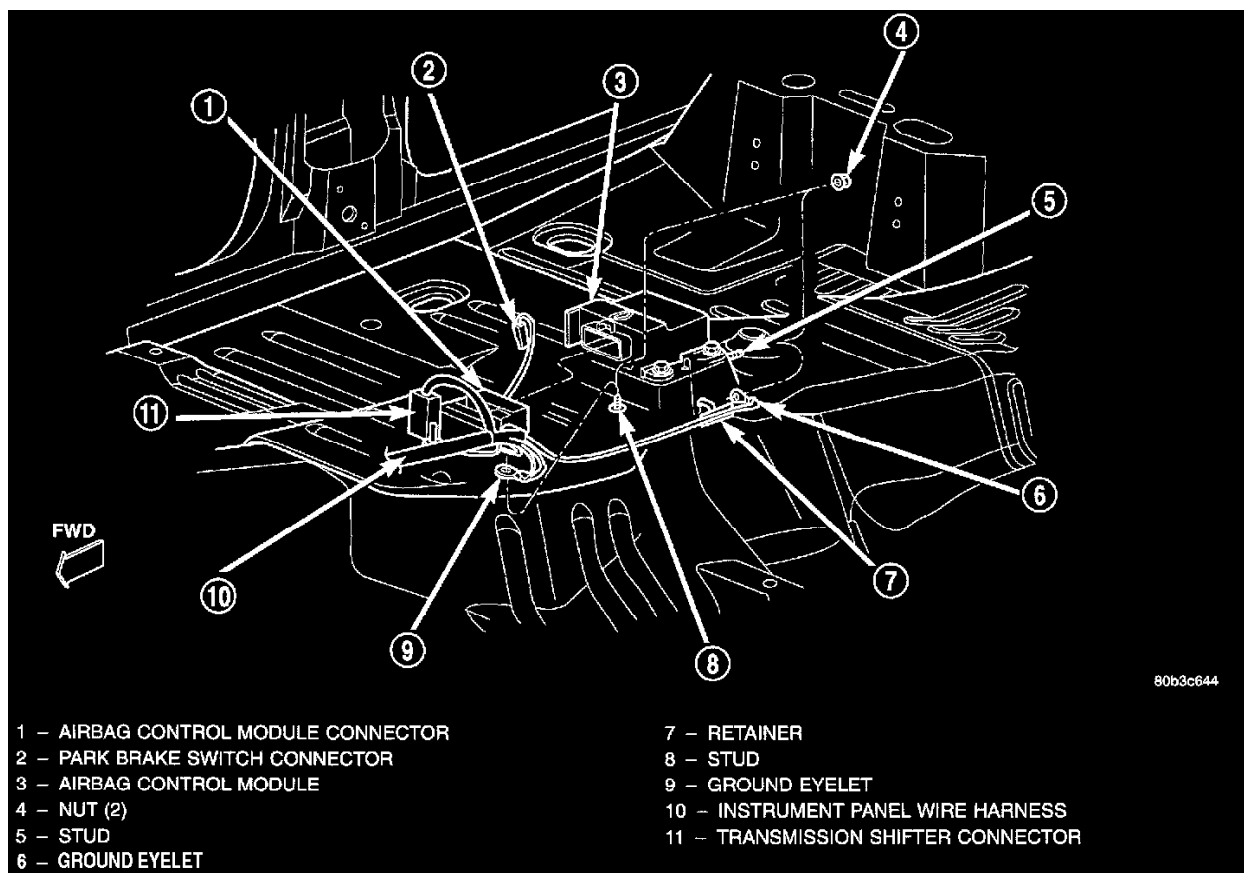
Steering Column Mounting

17. Remove the bolt that secures the coupler to the lower steering column shaft.
18. Remove the four nuts that secure the steering column to the studs on the instrument panel steering column support bracket. See: Steering Column Trim/Bracket Replacement/Instrument Panel Steering Column Support Bracket Replacement
19. Remove the steering column from the instrument panel. Be certain that the steering wheel is locked and secured from rotation to prevent the loss of clockspring centering



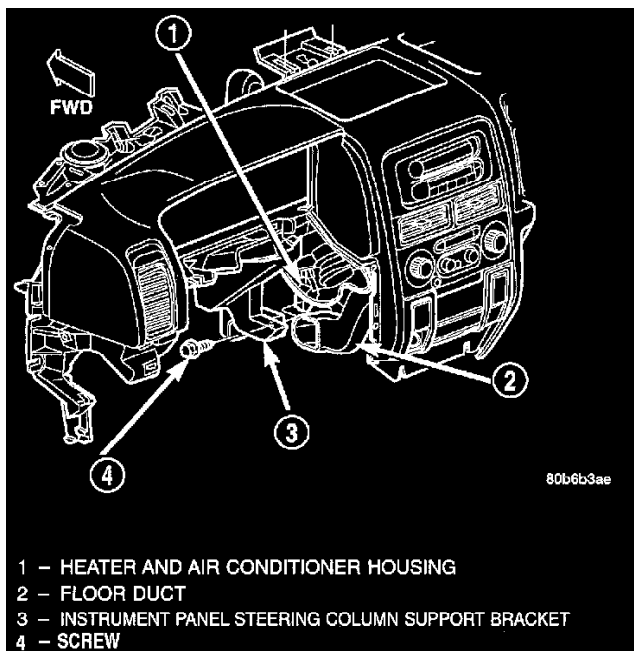
Junction Block Connections

20. Disconnect the left and right body wire harness bulkhead connectors, the Ignition Off Draw (IOD) wire harness connector and the fused B(+) wire harness connector from the connector receptacles of the junction block.



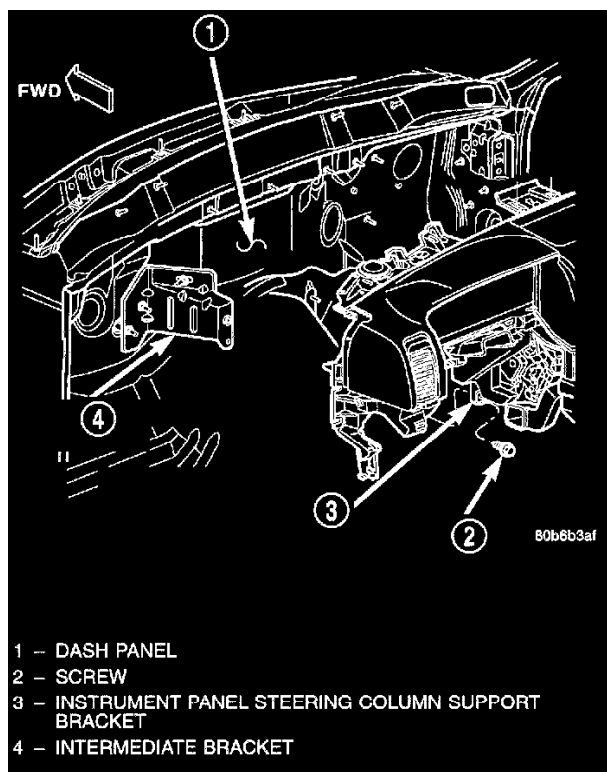
Floor Panel Transmission Tunnel Connections

21. Disconnect the instrument panel wire harness connectors from the following floor panel transmission tunnel components:
 - the airbag control module connector receptacle
 - the park brake switch terminal
 - the transmission shifter connector receptacle.
22. Remove the two nuts that secure the instrument panel wire harness ground eyelets to the studs on the floor panel transmission tunnel in front of and behind the airbag control module.
23. Disengage the retainers that secure the instrument panel wire harness to the floor panel transmission tunnel.
24. Remove the instrument panel to center floor tunnel bracket from the instrument panel and the floor panel transmission tunnel. See: Instrument Panel to Center Floor Tunnel Bracket Replacement
25. Remove the one screw that secures the driver side floor duct to the heater and air conditioner housing near the driver side of the floor panel transmission tunnel and remove the duct from the housing.
26. If the vehicle is equipped with the manual heating and air conditioning system, disconnect the vacuum harness connector located near the driver side of the floor panel transmission tunnel behind the driver side floor duct.



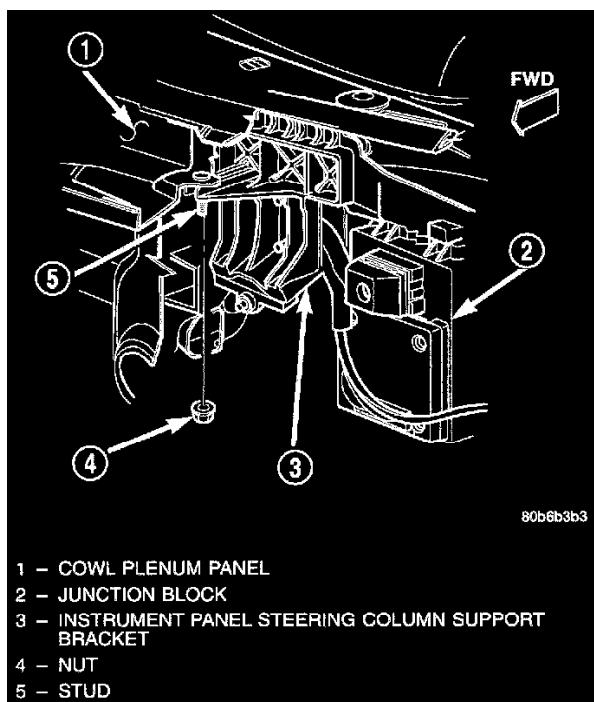
Driver Side Instrument Panel To Heater-A/C Housing Mounting

27. Remove the one screw that secures the instrument panel steering column support bracket to the driver side end of the heater and air conditioner housing.



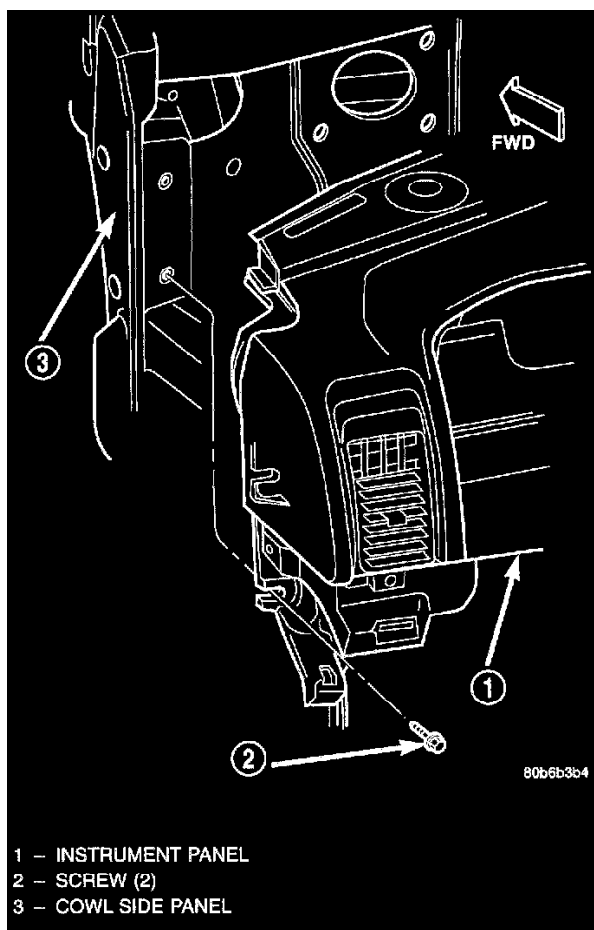
Instrument Panel To Intermediate Bracket Mounting

28. Remove the one screw that secures the instrument panel steering column support bracket to the intermediate bracket on the driver side dash panel.



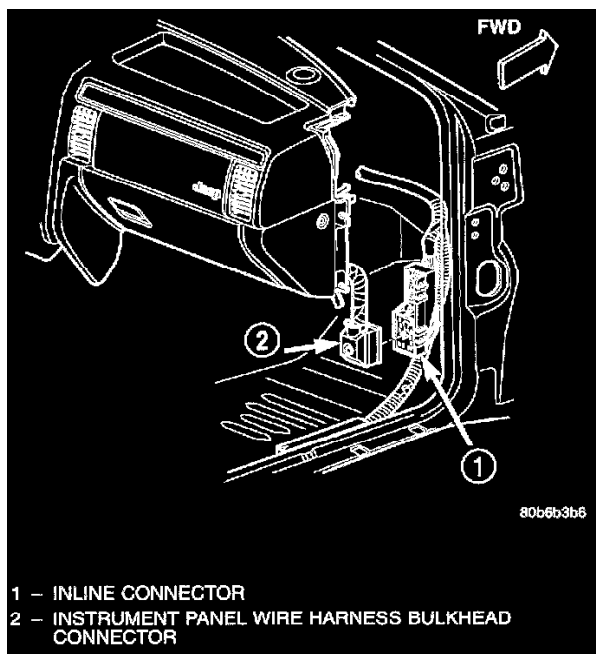
Instrument Panel To Cowl Plenum Mounting

29. Remove the nut that secures the instrument panel steering column support bracket to the stud on the driver side cowl plenum panel. See: Steering Column Trim/Bracket Replacement/Instrument Panel Steering Column Support Bracket Replacement



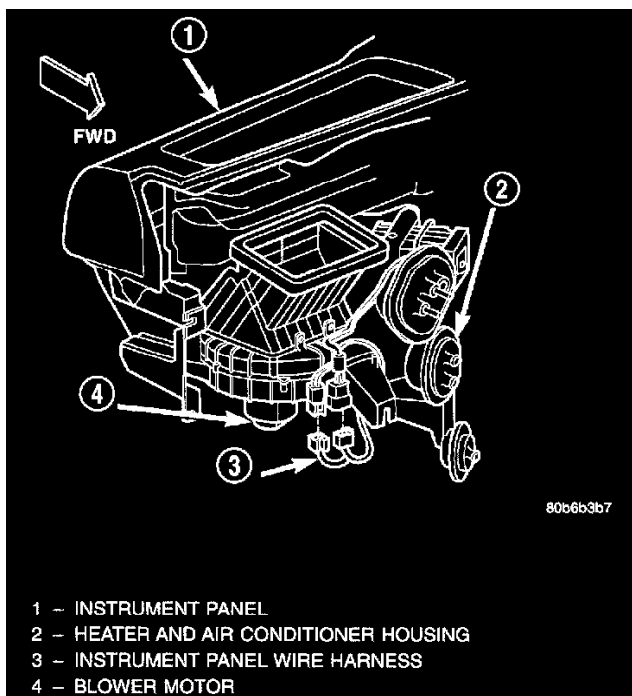
Instrument Panel To Driver Side Cowl Side Inner Panel Mounting

30. Remove the two screws that secure the instrument panel to the driver side cowl side inner panel.
 31. Remove the end cap from the instrument panel. See: Instrument Panel End Cap
 32. Remove the lower right center bezel from the instrument panel. See: Lower Instrument Panel



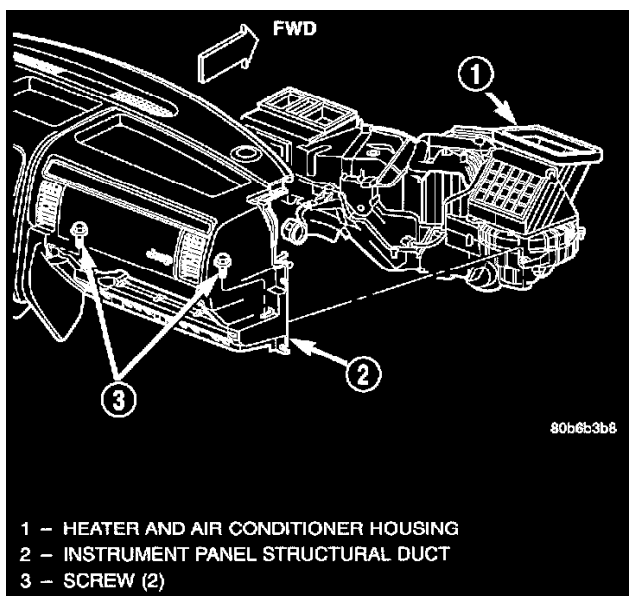
Instrument Panel Passenger Side Bulkhead Connection

33. Disconnect the instrument panel wire harness bulkhead connector from the lower cavity of the inline connector on the passenger side cowl side inner panel.
34. Disconnect the two halves of the radio antenna coaxial cable connector near the right cowl side inner panel under the end of the instrument panel.



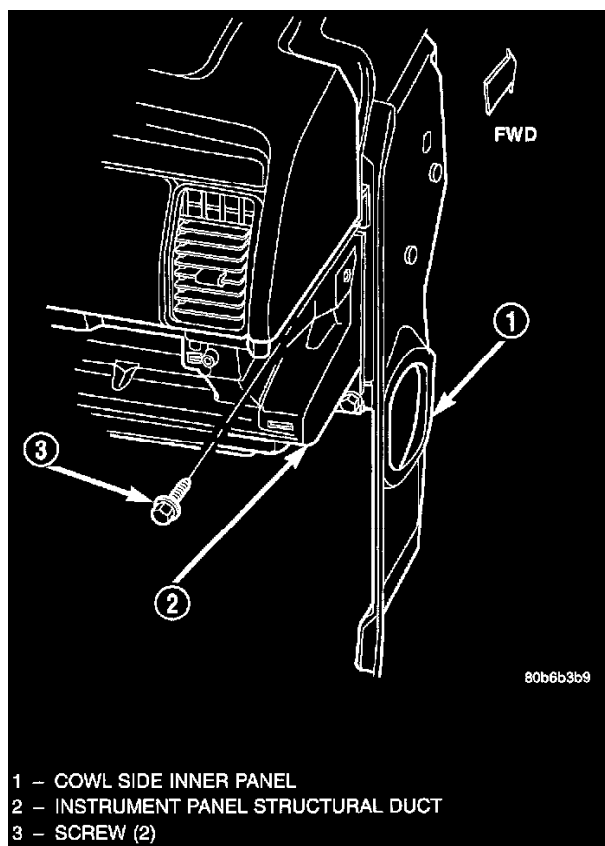
Heater And Air Conditions Housing Connections

35. Disconnect the two instrument panel wire harness connectors from the two heater and air conditioner housing connectors located near the blower motor on the passenger side end of the housing.



Passenger Side Instrument Panel To Heater-A/C Housing Mounting

36. Remove the two screws that secure the passenger side instrument panel structural duct to the heater and air conditioner housing. See: Instrument Panel Structural Duct Replacement



Instrument Panel To Passenger Side Cowl Side Inner Panel Mounting

37. Remove the two screws that secure the instrument panel to the passenger side cowl side inner panel.
 38. With the aid of an assistant, lift the instrument panel assembly upward off of the studs on the dash panel near the windshield fence line and to disengage the molded plastic hook formations on the instrument panel structural duct from the guide holes at each cowl side inner panel.
 39. Pull the instrument panel rearward from the dash panel and the cowl side inner panels and remove it through the driver side front door of the vehicle.

INSTALLATION

1. Prior to installing the instrument panel into the vehicle, loosen the three nuts that secure the instrument panel intermediate bracket and the accelerator pedal assembly to the studs on the dash panel.

2. With the aid of an assistant, load the instrument panel assembly through the driver side front door of the vehicle and hang it on the studs on the dash panel near the windshield fence line.
3. Be certain that the molded plastic hook formations on the instrument panel structural duct are inserted into and seated in the guide holes at each cowl side inner panel.
4. Loosely install the two screws that secure each end of the instrument panel to the cowl side inner panels.
5. Install and tighten the two screws that secure the passenger side instrument panel structural duct to the heater and air conditioner housing. Tighten the screws to **11.8 Nm (105 in. lbs.)**. See: Instrument Panel Structural Duct Replacement
6. Install and tighten the one screw that secures the instrument panel steering column support bracket to the driver side end of the heater and air conditioner housing. Tighten the screw to **11.8 Nm (105 in. lbs.)**.
7. Tighten the two screws that secure each end of the instrument panel to the cowl side inner panels. Tighten the screws to **11.8 Nm (105 in. lbs.)**.
8. Install and tighten the one screw that secures the instrument panel steering column support bracket to the intermediate bracket on the driver side dash panel. Tighten the screw to **11.3 Nm (100 in. lbs.)**. See: Steering Column Trim/Bracket Replacement/Instrument Panel Steering Column Support Bracket Replacement
9. Tighten the three nuts that secure the instrument panel intermediate bracket and the accelerator pedal assembly to the studs on the dash panel. Tighten the nuts to **11.3 Nm (100 in. lbs.)**.
10. Install and tighten the four nuts that secure the instrument panel to the studs on the dash panel near the windshield fence line. Tighten the nuts to **11.8 Nm (105 in. lbs.)**.
11. Install and tighten the nut that secures the instrument panel steering column support bracket to the stud on the driver side cowl plenum panel. Tighten the nut to **28.2 Nm (250 in. lbs.)**
12. Install the instrument panel to center floor tunnel bracket onto the instrument panel and the floor panel transmission tunnel. See: Instrument Panel to Center Floor Tunnel Bracket Replacement
13. Reconnect the two instrument panel wire harness connectors to the two heater and air conditioner housing connectors located near the blower motor on the passenger side end of the housing.
14. Reconnect the two halves of the radio antenna coaxial cable connector near the right cowl side inner panel under the end of the instrument panel.
15. Reconnect the instrument panel wire harness bulkhead connector to the lower cavity of the inline connector on the passenger side cowl side inner panel and tighten the connector screw. Tighten the screw to **4 Nm (36 in. lbs.)**.
16. Install the lower right center bezel onto the instrument panel. See: Lower Instrument Panel
17. Install the end cap onto the instrument panel. See: Instrument Panel End Cap
18. If the vehicle is equipped with the manual heating and air conditioning system, reconnect the vacuum harness connector located near the driver side of the floor panel transmission tunnel behind the driver side floor duct.
19. Position the driver side floor duct to the heater and air conditioner housing near the driver side of the floor panel transmission tunnel.
20. Install and tighten the one screw that secures the driver side floor duct to the heater and air conditioner housing near the driver side of the floor panel transmission tunnel. Tighten the screw to **2.2 Nm (20 in. lbs.)**.
21. Route the instrument panel wire harness to the floor panel transmission tunnel and engage the retainers that secure the harness to the mounting brackets on the tunnel.
22. Install the instrument panel wire harness ground eyelets to the studs on the floor panel transmission tunnel in front of and behind the airbag control module and secure the eyelets with nuts. Tighten the nuts to **7.3 Nm (65 in. lbs.)**.
23. Reconnect the instrument panel wire harness connectors to the following floor panel transmission tunnel components:
 - the airbag control module connector receptacle
 - the park brake switch terminal
 - the transmission shifter connector receptacle.
24. Reconnect the left and right body wire harness bulkhead connectors, the Ignition Off Draw (IOD) wire harness connector and the fused B+ wire harness connector to the connector receptacles of the junction block. Tighten the bulkhead connector screws. Tighten the screws to **4 Nm (36 in. lbs.)**.
25. Engage the lower steering column shaft with the steering shaft coupler and position the steering column to the mounting studs on the instrument panel steering column support bracket. See: Steering Column Trim/Bracket Replacement/Instrument Panel Steering Column Support Bracket Replacement
26. Install and tighten the four nuts that secure the steering column to the studs on the instrument panel steering column support bracket. Tighten the nuts to **11.8 Nm (105 in. lbs.)**.
27. Install and tighten the bolt that secures the coupler to the lower steering column shaft. Tighten the bolt to **49 Nm (36 ft.lbs.)**.
28. Turn the ignition switch to the On position, then install the shifter interlock cable connector into the ignition lock housing receptacle.
29. Reconnect the instrument panel wire harness connectors to the following steering column components:
 - the two lower clockspring connector receptacles
 - the left multifunction switch receptacle
 - the right multifunction switch receptacle
 - the two ignition switch receptacles
 - the shifter interlock solenoid receptacle
 - if the vehicle is so equipped, the Sentry Key Immobilizer Module (SKIM) receptacle.
30. Position the lower tilting steering column shroud to the steering column multifunction switch mounting housing, then install and tighten the screw that secures the shroud to the housing. Tighten the screw to **1.9 Nm (17 in. lbs.)**.
31. Position the upper tilting steering column shroud over the steering column. Align the upper and lower shrouds with each other and snap the two halves together.
32. Install the steering column bracket onto the instrument panel steering column support bracket.
33. Install the steering column opening cover onto the instrument panel.
34. Install the cluster bezel onto the instrument panel.

35. Install the fuse cover onto the junction block.
36. Install the console onto the floor panel transmission tunnel.
37. Install the trim panels onto the right and left inner cowl sides.
38. Install the scuff plates onto the right and left front door sills.
39. Install the top cover onto the instrument panel. See: Instrument Panel Top Cover Replacement
40. Install the trim onto the right and left A-pillars.
41. Reconnect the battery negative cable.