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BODY AND TRIM

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EXTERIOR

Doors

ADJUSTMENT

Door Hinges

▶ See Figures 1, 2 and 3

The door hinges provide sufficient adjustment to correct most door misalignment conditions. The holes of the hinge and/or the hinge attaching points are enlarged or elongated to provide for hinge and door alignment.

▶ Do not cover up a poor door alignment with a latch striker adjustment.

1. Refer to the figures to determine which hinge bolts must be loosened to move the door in the desired direction.
2. Loosen the hinge bolts just enough to permit movement of the door with a padded prybar.

3. Move the door the estimated necessary distance, then tighten the hinge bolts to 19–25 ft. lbs. (25–35 Nm).

4. Check the door fit to make sure there is no bind or interference with the adjacent panel.

5. Repeat the operation until the desired fit is obtained.

6. Check the striker plate alignment for proper door closing.

Door Latch Striker

▶ See Figures 4 and 5

The latch striker should be shimmed to get the clearance between the striker and the latch. To check this clearance, clean the latch jaws and the striker area. Apply a thin layer of dark grease to the striker. As the door is opened and closed, a measurable pattern will result on the latch striker. Use a maximum of 2 shims on 1988–90 vehicles or one shim on 1991–00 vehicles, under the striker. Use

Torx® drive bit set D79P–2100–T or equivalent, to loosen and tighten the latch striker to 25–32 ft. lbs. (35–45 Nm).

Hood

REMOVAL & INSTALLATION

1. Open and support the hood. Mark the position of the hood hinges on the hood.
 2. Protect the body with covers to prevent damage to the paint.
 3. Disconnect the gas charged cylinders (where applicable).
 4. With the help of an assistant, remove the 2 bolts attaching each hinge to the hood, being careful not to let the hood slip when the bolts are removed.
 5. Remove the hood from the vehicle.
- To install:**
6. With the help of an assistant, position the hood on its hinges and install the attaching bolts.
 7. Reconnect the gas charged cylinders.
 8. Adjust the hood for an even fit between the fenders and a flush fit with the front of the fenders.
 9. Adjust the hood latch, if necessary.

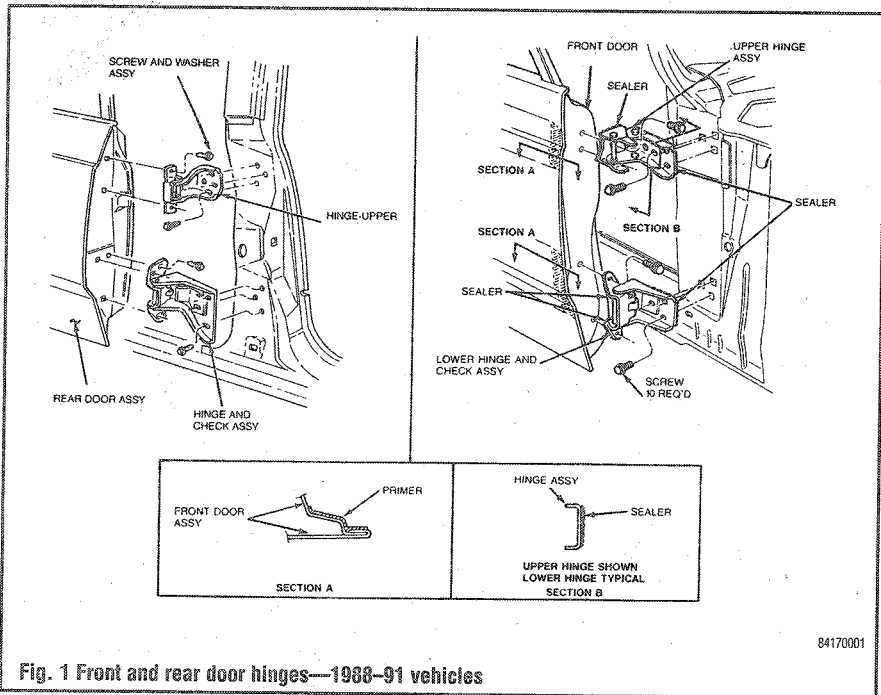


Fig. 1 Front and rear door hinges—1988–91 vehicles

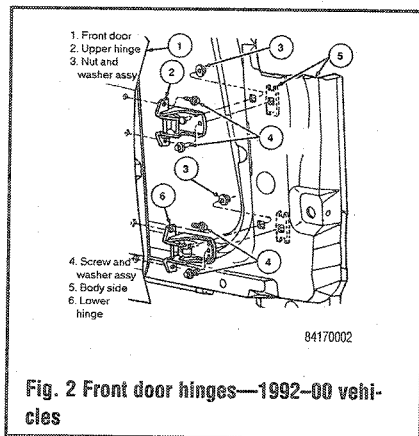


Fig. 2 Front door hinges—1992–00 vehicles

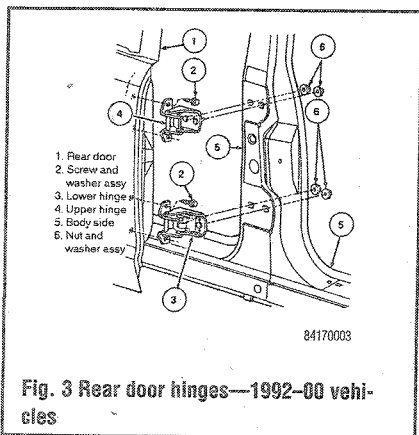


Fig. 3 Rear door hinges—1992–00 vehicles

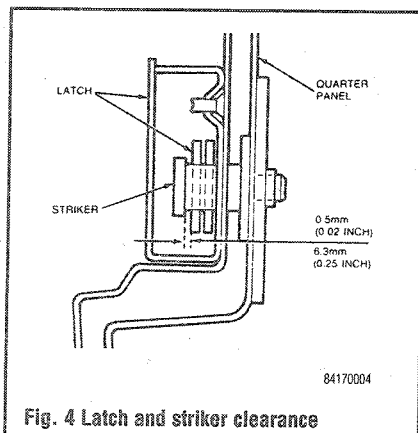


Fig. 4 Latch and striker clearance

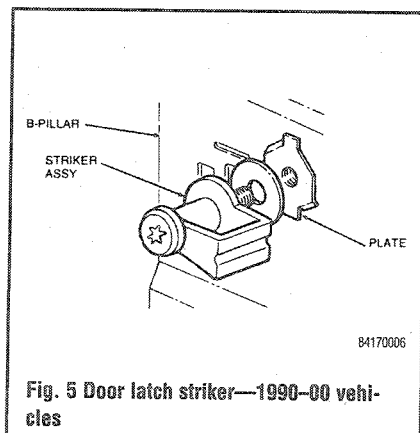


Fig. 5 Door latch striker—1990–00 vehicles

ALIGNMENT

Hood Alignment

♦ See Figures 6 and 7

The hood can be adjusted fore-and-aft and side-to-side by loosening the hood-to-hinge retaining bolts and repositioning the hood. To raise or lower the hood, loosen the hinge-to-fender reinforcement retaining bolts and raise or lower the hinge as necessary.

Trunk Lid

ALIGNMENT

Trunk Lid Alignment

The trunk lid can be shifted fore-and-aft by loosening the hinge-to-trunk lid retaining screws.

The trunk lid should be adjusted for an even and parallel fit with the trunk lid opening. The trunk lid should also be adjusted up and down for a flush fit with the surrounding panels. Be careful not to damage the trunk lid or surrounding body panels.

Trunk Lid Latch/Striker

➔ The latch assembly is fixed and not adjustable on all vehicles. Any latch adjustment must be made at the striker.

➔ Before adjusting the striker, open and close the trunk lid to double-check the striker alignment.

1. Remove the scuff plate striker covering before attempting any striker adjustment.
2. Loosen the 2 screw and washer assemblies

and adjust the striker by moving up and down or from side-to-side as necessary.

3. Tighten the screw and washer assemblies to 7–10 ft. lbs. (9–14 Nm).

➔ Do not try to correct a poor trunk lid alignment with a latch striker adjustment.

Outside Mirrors

REMOVAL & INSTALLATION

1988–91 Town Car

♦ See Figure 8

1. Disconnect the negative battery cable.
2. Remove the interior door handle.
3. On the left door, remove the bezel from the power mirror control switch.
4. Remove the switch housing from the armrest and detach all electrical connectors.
5. Using a putty knife or similar tool, pry the trim panel retaining clips from the door inner panel and remove the panel.
6. Detach the mirror wiring connectors and remove the necessary wiring guides.
7. Remove the 2 mirror retaining screws and remove the mirror, guiding the wiring and connectors through the hole in the door.

To install:

8. Guide the wiring and connectors through the hole in the door.
9. Install the mirror on the door and secure with the retaining screws.
10. Position and install the wiring guides.
11. Attach the mirror wiring connectors.
12. Install the door trim panel.
13. Attach all electrical connectors to the switch housing and install the switch housing on the armrest.

14. On the left door, install the bezel nut to the power mirror control switch.

15. Install the interior door handle.

16. Connect the negative battery cable and check mirror operation.

1992–00 Town Car

1. Disconnect the negative battery cable.
2. Remove the door trim panel.
3. Remove the push pin from the mirror access hole cover and remove the access hole cover.
4. Detach the mirror wiring connectors and remove the necessary wiring guides.
5. Remove the 3 mirror retaining nuts and remove the mirror, guiding the wiring and connectors through the hole in the door.

To install:

6. Guide the wiring and connectors through the hole in the door.
7. Install the mirror on the door and secure with the retaining nuts.
8. Position and install the wiring guides.
9. Attach the mirror wiring connectors.
10. Install the mirror access hole cover. Install the push pin.
11. Install the door trim panel.
12. Attach all electrical connectors to the switch housing and install the switch housing on the armrest.
13. On the left door, install the bezel nut to the power mirror control switch.
14. Connect the negative battery cable and check mirror operation.

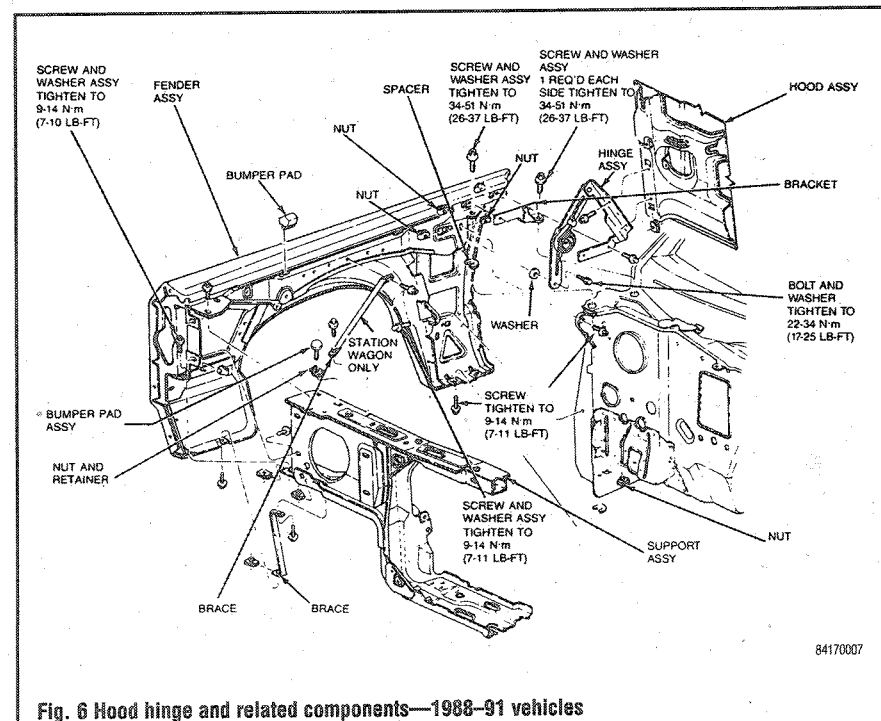


Fig. 6 Hood hinge and related components—1988–91 vehicles

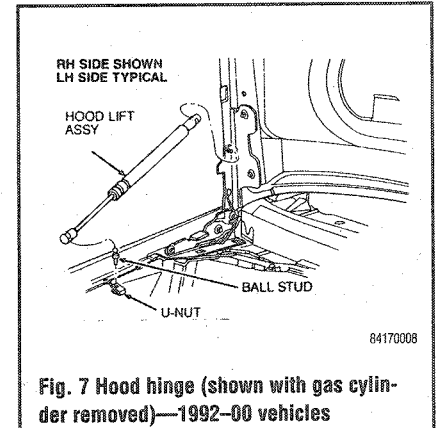


Fig. 7 Hood hinge (shown with gas cylinder removed)—1992–00 vehicles

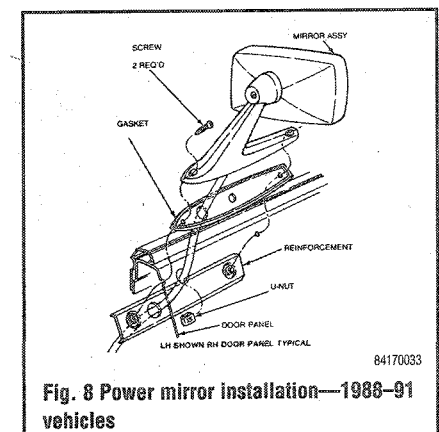


Fig. 8 Power mirror installation—1988–91 vehicles

Continental 1988-94

♦ See Figure 9

➔ **Outside mirrors that are frozen must be thawed prior to adjustment. Do not attempt to free up the mirror by pressing on the glass.**

1. Disconnect the negative battery cable.
2. Remove the retaining cover.
3. Remove the front door trim panel.
4. Disengage the mirror assembly wiring connector. Remove the necessary wiring guides.
5. Remove the mirror retaining nuts on the mirror. Remove the mirror while guiding the wiring and connector through the hole in the door.

To install:

6. Install the mirror assembly by routing the connector and wiring through the hole in the door. Attach the retaining nuts to the mirror. Tighten the retaining nuts to 53-71 inch lbs. (6-8 Nm).
7. Engage the mirror electrical wiring connector, then install the wiring guides.
8. Position the mirror mounting hole cover, then install the retaining screw.
9. Install the door trim panel.
10. Connect the negative battery cable.
11. If a new mirror has been installed, snap on the new trim, the top finish panel.

Continental 1995-00

1. Disconnect the negative battery cable.
2. Remove the door trim panel.
3. Disconnect the mirror assembly wiring connectors. Remove the necessary wiring pushpins.
4. Remove the three screws on the mirror.

Remove the outside rear view mirror while guiding the wiring and connector through the hole in the door.

To install:

5. Hold the gasket over the hole in the door. Install the rear view mirror by routing the connector and wiring through the hole in the door and the outside rear view mirror gasket. Install with the three screws.
6. Connect the mirror wiring connector and install the wiring pushpins.
7. Replace the door trim panel.
8. Connect the negative battery cable.
9. Snap on a new trim (top finish panel) if a new mirror assembly has been installed.

Mark VII

➔ **The following instructions are given as the general repair procedure for the vehicle and years given.**

➔ **If the wire assembly to the motor is not damaged, the mirror assembly can be replaced without removing the door trim panel. Disconnect the wiring assembly at the motor.**

1. Disconnect the negative battery cable.
2. Remove the retaining cover.
3. Remove the door trim panel, if necessary.
4. Disconnect the mirror assembly wiring connector and remove the wiring guides, as necessary.

5. Remove the plug button and remove the three outside rear view mirror retaining nuts. Remove the outside rear view mirror while guiding the wiring and connector through the hole in the front door.

To install:

6. Hold the gasket over the hole in the door. Install the rear view mirror by routing the connector and wiring through the hole in the door and the outside rear view mirror gasket. Install with the three screws.
7. Engage the mirror electrical wiring connector, then install the wiring guides.
8. Install the rear view mirror mounting hole cover.
9. Install the front door trim panel.
10. Connect the negative battery cable.

Mark VIII

1. Disconnect the negative battery cable.
2. Remove the front door trim panel. Remove the rear view mirror mounting hole cover from the front door trim panel.
3. Disconnect the outside rear view mirror assembly wiring connector and remove the necessary wiring guides.
4. Remove the plug button and remove the three outside rear view mirror retaining nuts. Remove the outside rear view mirror while guiding the wiring and connector through the hole in the front door.

To install:

5. Install the outside rear view mirror assembly by routing the connector and wiring through the hole in the front door and attach with the three retaining nuts. Install the plug button.
6. Connect the outside rear view mirror wiring connector and install the wiring guides.
7. Install the rear view mirror mounting hole cover.
8. Install the front door trim panel.
9. Connect the negative battery cable.

Antenna

REPLACEMENT

♦ See Figures 10 thru 23

1. Lower the antenna and remove the luggage compartment trim panel.
2. Disconnect the lead-in cable from the antenna and ground strap.
3. Disconnect the antenna motor wires at the connectors and disconnect the control box connectors.
4. Remove the top mounting nut and stanchion assembly.
5. Remove the two nuts retaining the antenna bracket assembly to the quarter panel.
6. Remove the antenna assembly from the vehicle.

To install:

➔ **Correct sequencing for installation is important to prevent water leakage or dimpling of the quarter panel**

7. Connect the antenna cable, power connector and control box connector.
8. Insert the antenna mast through the quarter panel hole and position bracket on mounting studs in the luggage compartment.
9. Install the stanchion assembly.
10. Loosely install the two bracket retaining nuts.
11. Install the top-mounting nut.
12. Tighten the bracket retaining nuts.
13. Install the ground strap.

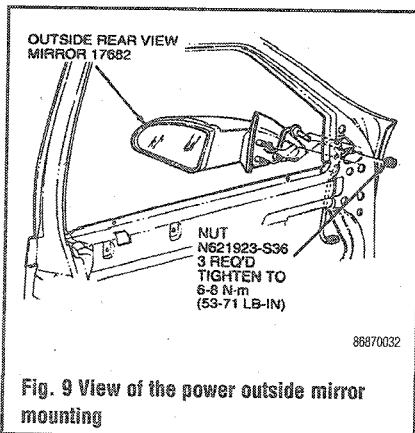


Fig. 9 View of the power outside mirror mounting



Fig. 10 Some antennas require a special socket to remove the locknut

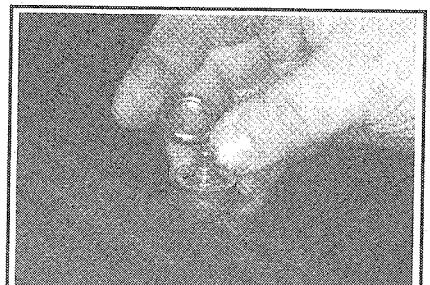
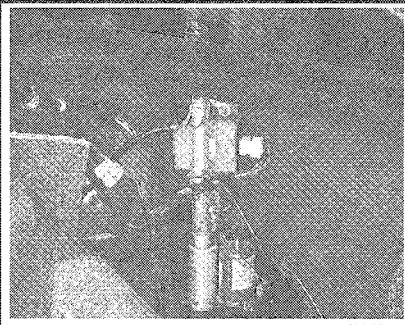
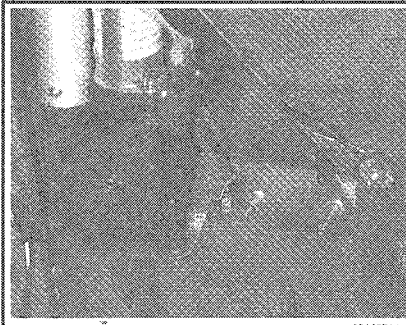


Fig. 11 Once its loose the nut can be removed by hand. Sometimes it can be twisted off with a needle nose pliers, but that usually ruins the tool



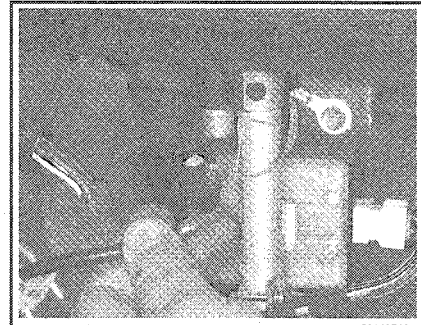
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Fig. 12 The antenna mounts in the luggage compartment against the support member



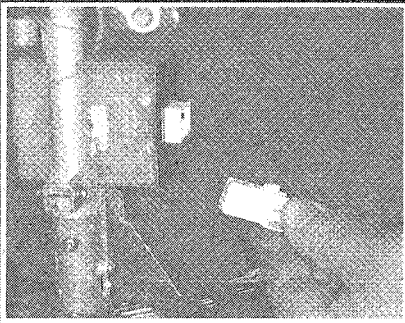
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Fig. 13 The motor and housing sit on a stand that is bolted to the support member



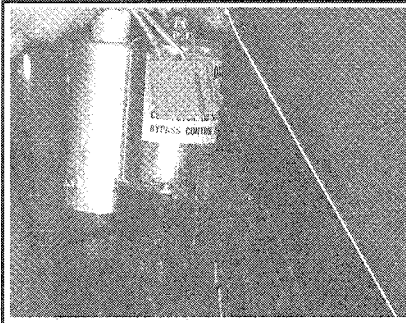
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Fig. 14 Unplug the antenna lead from the staff tube



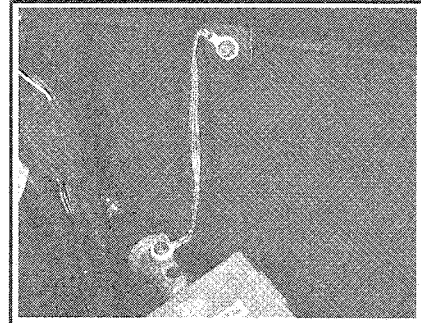
93140P58

Fig. 15 Unplug the connector to the motor



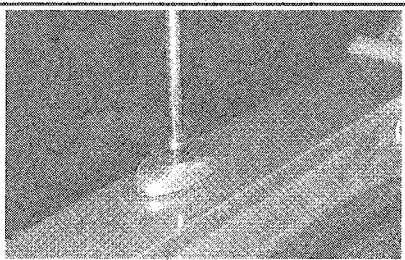
93140P57

Fig. 16 Unplug the connector to the relay



93140P56

Fig. 17 It's easier to remove the antenna from the support to gain access to the ground strap screws



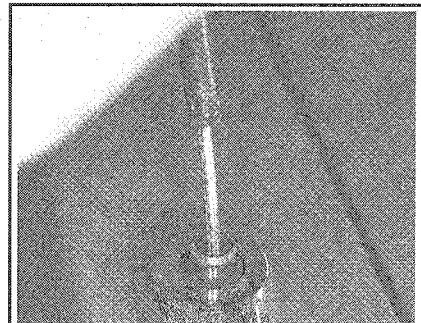
93140P42

Fig. 18 If the antenna motor still operates, but the staff does not move, or the staff is bent, or does not extend to its full height, a replacement staff kit is available that can be used without replacing the motor



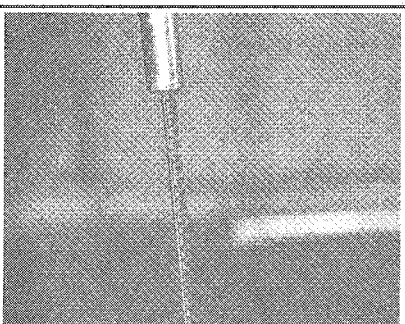
93140P41

Fig. 19 This locknut was removable using a locking pliers and a shop cloth (to protect the chrome nut). Unscrew the locknut to remove it



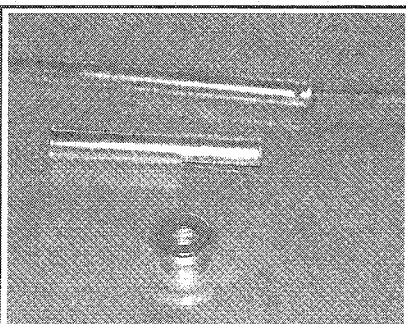
93140P43

Fig. 20 With the help of an assistant to raise the antenna, gently pull up on the staff to extricate it from the fender



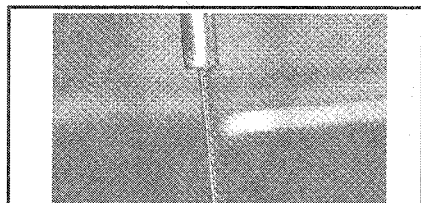
93140P40

Fig. 21 Continue pulling while raising the antenna until the entire drive comes out of the base



93140P38

Fig. 22 When the antenna is out, slide the bushing off and install it on the new staff, if not supplied



93140P39

Fig. 23 Feed the new nylon drive into the antenna hole, while an assistant is lowering the antenna by turning the radio off or pushing the antenna switch down. Feed about half of the drive, then install the staff and lock nut. Cycle the antenna up and down

INTERIOR

Instrument Panel and Pad

The instrument panel houses the controls for most of the electrical systems of the vehicle. The glove compartment is located in the lower RH side of the instrument panel. The LH side of the instrument panel frames the steering column and houses the instrument cluster.

REMOVAL & INSTALLATION

1988-94 Town Car

See Figures 24 and 25

1. Disconnect the negative battery cable.
2. Remove the 2 screws attaching the instrument panel pad to the instrument panel at each defroster opening. Be careful not to drop the screws into the defroster openings.
3. Remove the one screw attaching each outboard end of the instrument panel pad to the instrument panel.
4. Remove the screws attaching the lower edge of the instrument panel pad to the instrument panel. Pull the instrument panel pad rearward and remove it from the vehicle.
5. Remove the screws attaching the steering column opening cover to the instrument panel and remove the cover.
6. Loosen the right and left front door sill plate screws then remove the right and left cowl sides trim panels.
7. Disconnect the wiring harnesses from the steering column at the multiple connectors.
8. Disconnect the transmission selector indicator from the steering column.
9. Remove the nuts and washers attaching the steering column to the instrument panel brace and lay the steering column down on the seat.
10. Remove the one screw attaching the lower flange brace to the lower flange of the instrument panel just to the right of the steering column opening.
11. Remove the one screw attaching the instrument panel support to the lower edge of the instrument panel below the A/C-heater control assembly.
12. Disconnect the speedometer cable from the speedometer by pushing the cable retainer sideways and pulling the cable from the speedometer (where applicable).

13. Remove the glove compartment from the instrument panel.
14. Disconnect the vacuum jumper harness at the vacuum multiple connector located above the floor air distribution duct.
15. Disconnect the antenna cable from the radio, if equipped.
16. Remove the screws attaching the top of the instrument panel to the cowl at the windshield opening.
17. Remove the one bolt attaching each lower end of the instrument panel to the cowl side (A-pillar).
18. Cover the steering column and seat with a protective cover and lay the instrument panel on the seat, disconnecting any wiring or other connections as necessary to allow the instrument panel to lay on the seat.

To install:

19. Position the instrument panel near the cowl and connect any wiring or other connections that were disconnected.
20. Install one bolt attaching each lower end of the instrument panel to the cowl side (A-pillar).
21. Install the screws to attach the top of the instrument panel to the cowl panel at the windshield opening.
22. Connect the antenna cable to the radio, if equipped.
23. Connect the vacuum jumper harness (from the control assembly) to the plenum vacuum harness at the vacuum multiple connector located above the floor air distribution duct.
24. Connect the speedometer cable to the speedometer (where applicable).
25. Install one screw to attach the instrument panel support to the lower edge of the instrument panel below the A/C-heater control assembly.

26. Install one screw to attach the lower flange brace to the lower flange of the instrument panel just to the right of the steering column opening.
27. Install the glove compartment and check the arms.
28. Install the right and left cowl side trim panels and tighten the door sill plate attaching screws.
29. Position the steering column to the instrument panel brace and install the retaining nuts and washers.
30. Connect the transmission indicator to the steering column.
31. Connect the wire harnesses to the steering column at the multiple connectors. Install the steering column opening cover.
32. Position the instrument panel pad to the instrument panel and install the screws along the lower edge of the pad.
33. Install one screw to attach each outboard end of the pad to the instrument panel.
34. Install 2 instrument panel pad attaching screws at each defroster opening. Be careful not to drop the screws into the defroster opening.
35. Connect the negative battery cable. Check operation of all instruments, lights, controls and the A/C-heater system.

Town Car 1995-00

1. Position the wheels straight ahead.
2. Disconnect the negative battery cable.
3. Loosen the lug nuts on the front wheels.
4. Apply the parking brake, block the rear wheels, then raise and safely support the front of the vehicle securely on jackstands.
5. Remove the front wheels.
6. Remove the retaining nut in the radiator coolant recovery reservoir assembly.

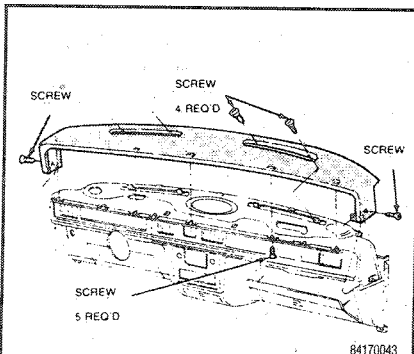


Fig. 24 Instrument panel pad removal — typical

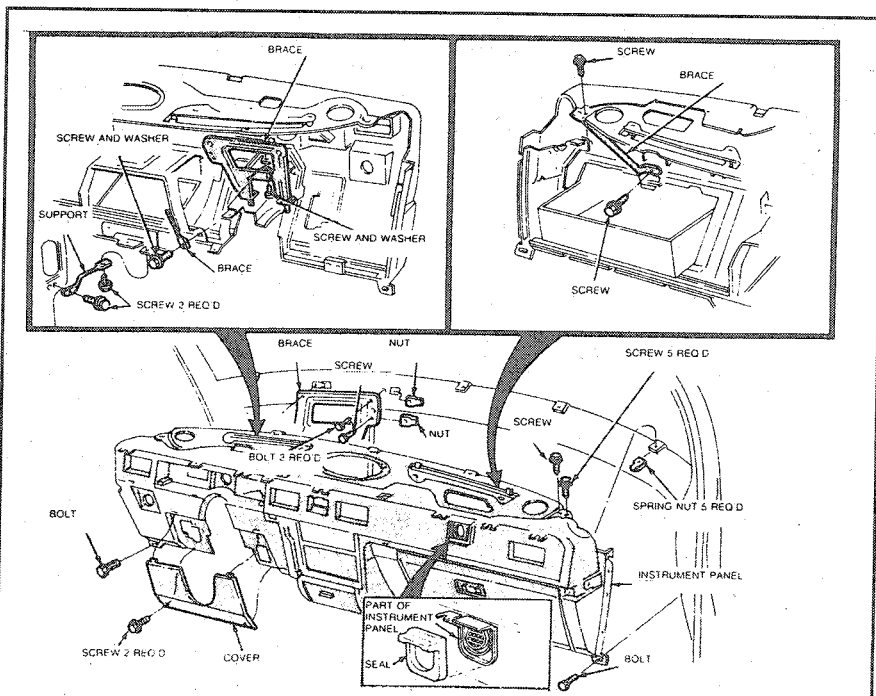


Fig. 25 Instrument panel removal — typical

7. Remove the retaining bolt in the front fender splash shield.
8. Position the front fender splash shield out of the way.
9. Lower the vehicle.
10. Tag and remove the wiring connectors.
11. Remove the retaining screw in the parking brake control.
12. Remove the parking brake control.
13. Remove the retaining screw in the instrument panel finish panel in the lower instrument panel.
14. Remove the retaining screw in the steering column opening reinforcement.
15. Remove the retaining screw in the steering gear housing.
16. Remove the tilt wheel handle and shank.
17. Remove the ignition switch.
18. Disconnect the upper steering column shroud and remove the retaining bolts.
19. Disconnect the ignition switch assembly.
20. Tag and remove the electrical connector.
21. Disconnect the vacuum hose.
22. Remove the retaining nut in the steering column assembly.
23. Lower the steering column tube assembly.
24. Disconnect the shift cable assembly.
25. Remove the steering column shroud retaining screw.
26. Remove the retaining screws from the multi-function switch.
27. Position the multi-function switch out of the way.
28. Remove the retaining screw from the cowl side trim panel.
29. Remove the lower panel door trim, remove the retaining screw, and position the panel out of the way.
30. Tag and disconnect the wiring connectors, and remove the ground wire assembly.
31. Remove the retaining screw on the cowl side (RH) panel.
32. Remove the lower panel door trim, remove the retaining screw, and position the panel out of the way.
33. Tag and disconnect the wiring connectors, and remove the ground wire assembly.
34. Remove the retaining rivet in the passenger side of the instrument panel.
35. Disconnect the generator.
36. Disconnect the radio feed of the wire assembly.
37. Unsnap the I/P finish center (LH) on the panel assembly.
38. Remove the radio chassis.
39. Remove the retaining screw in the instrument panel, and position the panel out of the way.
40. Tag and disconnect the wiring connectors.
41. Remove the retaining screw in the air bag restraining module assembly, and disconnect it.
42. Remove and disconnect the instrument panel defroster-opening grille.
43. Remove the instrument panel to cowl brace retaining screw.
44. Remove the instrument panel finish panel retaining screw.
45. Remove the retaining nut on the instrument LH lower finish panel.
46. Remove the retaining brace.
47. Disconnect the vacuum hose on the harness assembly.

48. If the instrument panel is being replaced, transfer all parts to the new instrument panel.

To install:

49. Installation is the reversal of the removal procedure. Check air bag indicator operation.

Continental 1988-94

▶ See Figure 26

Some vehicles are equipped with air bags. Before attempting to service air bag equipped vehicles, be sure that the system is properly disarmed and all safety precautions are taken. Serious personal injury and vehicle damage could result if this note is disregarded.

1. Position the wheels in the straight-ahead position. Disable the air bag system. For details, please refer to the procedure in Section 6 of this manual. Disconnect the negative battery cable.
2. Remove the ignition lock cylinder. Remove the tilt lever. Remove the steering column trim shrouds. Disengage all electrical connectors from the steering column switches.
3. Remove the two bolts and reinforcement from under the steering column. Disengage the insulator, then remove the insulator.
4. Remove the four nuts and the reinforcement from under the steering column. Do NOT rotate the steering column shaft.
5. Remove the four nuts retaining the steering column to the instrument panel, disconnect the PRNDL cable, and lower the steering column on the front seat. Cover the front seat to protect it from damage.
6. Install the ignition lock cylinder to ensure that the steering column shaft does not turn. Remove the one bolt at the steering column opening attaching the instrument panel brace retaining bolt under the radio.
7. Remove the sound insulator from under the glove compartment by removing the two push nuts that secure the insulator to the studs on the climate control case assembly.
8. Disconnect the wires of the main wire loom inside the engine compartment. Disengage the rubber grommet from the dash panel, then feed the

wiring through the hole in the dash panel into the passenger compartment.

9. Remove the right and left-hand cowl sides trim panels. Remove the two screws (one on each side) retaining the instrument panel to the left and right side.

10. Remove both speaker covers by pulling upward on them. Open the glove compartment door and allow it to hang open.

11. Using all openings, tag and remove all instrument panel electrical connections, air conditioning outlets, air conditioning controls, antenna wires, and anything else that may interfere with panel removal.

12. Close the glove compartment lid. Remove the three instrument panel screws at the top of the assembly. Disconnect any remaining electrical wires. Remove the instrument panel assembly from the vehicle.

13. If the panel is being replaced, transfer all components, wiring, and hardware to the new instrument panel.

To install:

14. Position the instrument panel in place. Engage the underhood electrical connections. Install the instrument panel upper and lower retaining screws.

15. Install the lower brace and tighten the bolt to 5-8 ft. lbs. (6.8-10.8 Nm) Install the radio speaker grilles.

16. Using all necessary openings, engage all instrument panel electrical connections, air conditioning outlets, air conditioning controls, antenna wires, and anything else that may have been removed.

17. Continue the installation in the reverse order of the removal procedure.

18. Connect the negative battery cable. Enable the air bag system following the procedure in Section 6 of this manual. Check for proper operation of the air bag indicator. Check for proper operation of all components.

Continental 1995-00

1. Disconnect the negative battery cable.
2. Remove the defroster grille by pulling

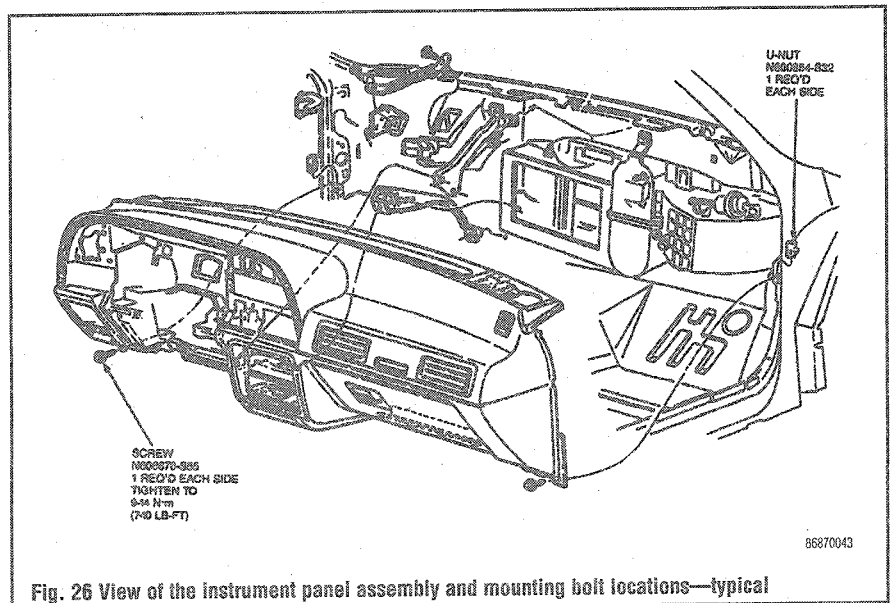


Fig. 26 View of the instrument panel assembly and mounting bolt locations—typical

upward to unsnap the six clips and disconnect the wiring.

3. Open the glove compartment door and unsnap the glove box damper wire.
4. Press the sides inward and lower the glove compartment assembly toward the floor.
5. Through the glove box opening, remove the automatic temperature sensor hose from the blower assembly, and disconnect the electronic automatic temperature control vacuum lines.
6. Remove the five pushpins from the RH and LH lower instrument panel insulators. Remove the instrument panel insulators.
7. For traction assist equipped vehicles, disconnect the traction assist switch connector.
8. Remove the three screws retaining lower instrument panel steering column cover and remove the cover.
9. Remove the five screws retaining the lower instrument panel steering column reinforcement. Remove the reinforcement.
10. Remove the steering column.

*** CAUTION

Do not remove the steering column, steering wheel, and air bag module as an assembly from the vehicle. Unless the steering column is locked to prevent rotation, or the lower end of steering shaft is wired in such a way to prevent the steering wheel from being rotated; as this will damage the air bag sliding contact.

11. Make sure that the vehicle front wheels are in the straight ahead position.
12. Remove the steering wheel.
13. Remove the instrument panel lower trim cover.
14. Remove the air bag sliding contact.
15. Remove the tilt wheel handle and shank by unscrewing it from the column and removing the four screws.
16. Rotate the ignition switch lock cylinder to the **RUN** position. Using a 1/8 inch drift, press the lock cylinder retaining pin through the access hole and remove the ignition switch lock cylinder.
17. Remove the four upper and lower steering column shroud retaining screws. Remove the upper and lower steering column shrouds.
18. Remove the two screws retaining brake release lever.
19. Remove the two screws retaining the hood release lever.
20. Remove the screw and the steering column opening which retains the instrument panel to the instrument panel dash brace.
21. Disconnect the LH main wiring and RH main wiring bulkhead connectors from the main wiring harness.
22. Remove the three screws retaining the instrument panel to the cowl top.
23. Remove the two screws retaining the steering column mounting support to the instrument panel cowl brace.
24. On the LH cowl side, remove the two bolts retaining the instrument panel and loosen the captive bolt.
25. On the RH side, remove the nut and washer retaining instrument panel.
26. With the help of an assistant, remove the instrument panel from the vehicle.

To install:

27. With an assistant, place the instrument panel into the vehicle.
 28. Install the three screws retaining instrument panel to the cowl top. Tighten to 18–26 in. lbs. (2–3 Nm)
- ➔ **Do not overtighten nut. Damage to the instrument panel may result.**
29. On the RH cowl side, install the nut and washer retaining instrument panel to the body. Tighten to 89–123 ft. lbs. (10–14 Nm)
 30. On the LH cowl side, install the two bolts retaining the instrument panel to the body. Tighten the two retaining bolts and one captive bolt (to the right) to 13–16 ft. lb. (17–23 Nm).
 31. Install the two screws retaining the steering column mounting support to the instrument panel cowl brace. Tighten the screws to 13–16 ft. lb. (17–23 Nm).
 32. Connect the LH main wiring and RH main wiring bulkhead connectors to main wiring harness. Tighten the connector screws to 36–53 in. lbs. (4–6 Nm).

33. Install the screw at the steering column opening which retains the instrument panel to the instrument panel dash brace. Tighten the screws to 54–70 in. lbs. (6–8 Nm).

34. Install the hood and brake release levers.
35. Install the steering column.
36. Install the five screws retaining the instrument panel steering column opening cover reinforcement.
37. Install the three screws and instrument panel steering column cover.
38. On vehicles with traction control, connect the electrical connector for the traction control switch.
39. Install the RH and LH lower instrument panel insulator using pushpins.
40. Working through the glove compartment opening, connect the automatic temperature sensor hose (to the blower) and any other electrical connectors or vacuum lines connected to the A/C evaporator housing.
41. Re-install the glove compartment door damper. Press the sides of the glove compartment inward and close the glove compartment.
42. Install the defroster grille by connecting the two light sensors and snapping them into place.
43. Install or connect any other components removed or disconnected to remove the instrument panel.
44. Check all the instrument panel gauges and controls for proper operation. Check the air bag indicator operation.

Mark VII

➔ **Removal and installation of the instrument panel is best accomplished by two people.**

*** WARNING

The electrical circuit necessary for air bag system deployment is powered directly from the battery and back-up power supply. To avoid accidental deployment and possible personal injury, the battery positive cable must be grounded for one minute after disconnecting it from the battery to de-energize the back-up power supply prior to

servicing or replacing any air bag system components.

1. Disconnect the positive battery cable. Ground the positive battery cable for one minute to de-energize the air bag system back-up power supply.
2. Disconnect all the underhood electrical connectors of the main wiring harness. Disengage the rubber grommet from the dash panel. Remove the RH and LH sound insulator assemblies from under the instrument panel and remove the bulb and socket assemblies from each insulator.
3. Remove the four screws retaining steering column opening trim cover and remove the cover.
4. Remove the steering column opening lower steel reinforcement.
5. Remove the four trim screws and remove the steering column shrouds.
6. Disconnect all the electrical connections from the steering column switches.
7. Remove the four nuts retaining the steering column to the support. Lower the steering column to rest on the seat cushion.
8. Remove the defroster opening grille panel.

➔ **The grille has one retaining tab holding it in position.**

9. Remove the screws retaining floor console to the instrument panel and floor. Move the console rearward. Remove the two screws retaining the instrument panel to the floor. Remove the three screws retaining the instrument panel to the cowls. Remove the bolt attaching the instrument panel to the parking brake support plate.
 10. Disconnect the main harness behind the instrument panel and on the RH side of the steering column support, at the blower motor, and at the RH and LH cowl panels.
 11. Disconnect the radio antenna lead from the radio.
 12. Disconnect any vacuum hoses attached to the instrument panel.
 13. Remove the RH and LH A-pillar garnish moldings.
 14. Remove the three screws retaining the instrument panel to the dash panel and pull/push the wiring harness and connectors into the passenger compartment.
 15. If the instrument panel is being replaced, transfer as the necessary components, including the wiring and retaining hardware to the new instrument panel.
- To install:**
16. Installation is the reversal of the removal procedure.
 17. Connect the negative battery cable.
 18. After installing the instrument panel defroster-opening grille, check all the components to ensure proper operation.

Mark VIII

➔ **Removal and installation of the instrument panel is best accomplished by two people.**

*** WARNING

The electrical circuit necessary for air bag system deployment is powered directly from the battery and back-up power supply. To avoid accidental deployment and possible

personal injury, the battery positive cable must be grounded for one minute after disconnecting it from the battery to de-energize the back-up power supply prior to servicing or replacing any air bag system components.

1. Disconnect the positive battery cable. Ground the positive battery cable for one minute to de-energize the air bag system back-up power supply.
2. Loosen the main wire harness connector bolt in the engine compartment at the LH side of the dash panel.

⇒Do not remove the front safety belt retaining bolts.

3. Remove the three screws retaining the LH and RH front door scuff plates. Lift the front door scuff plates and remove the front door weather-strip from the body flanges.
4. Remove the instrument panel defroster-opening grille by lifting the rear edge upward to unsnap eight retainers and two retainers at each front corner. Disconnect the light sensor amplifier at the connector. Remove the instrument panel and defroster-opening grille.
5. Remove the screws retaining the LH and RH instrument panel lower insulator located under the instrument panel.
6. Rotate the lamp from the instrument panel insulator and remove the instrument panel insulator.
7. Remove the LH cowl side trim panel and the RH cowl side trim panel.
8. Remove the console panel.
9. Remove the A/C evaporator register duct from the instrument panel to the console panel.
10. Remove the ignition/shifter interlock cable from the console panel. Release the ignition/shifter interlock cable from the pawl. Pull out on the center tab to release detent on the clip. Push the ignition/shifter interlock cable clip toward the rear while rotating the clip to the passenger side to remove.

11. Remove the two screws retaining the bottom of the instrument panel steering column cover. Pull on the lower edge of the instrument panel steering column cover to disengage the two push clips on the upper area of the instrument panel steering column cover and remove the instrument panel steering column cover.

12. Remove the two screws retaining the instrument panel reinforcement and remove the instrument panel reinforcement.

13. Remove the A/C recirculating air duct.

14. Cover the seats to protect from damage. Remove the four nuts retaining the steering column tube to the steering column bracket insulator. Lower the steering column bracket insulator. Lower the steering column tube to rest on the seat cushion.

15. Remove the steering column shroud.

16. Disconnect all the electrical connections from the steering column switches.

17. Loosen the screw and disconnect the main wiring harness at the connector located to the left of the steering column tube.

18. Disconnect the engine control sensor wiring from the instrument panel at the connectors.

19. Open the glove compartment door and disconnect the glove compartment door check from the RH side. Push the sides of the glove compartment

inward to release the stops and lower the glove compartment door downward.

⇒The glove compartment door check will retract when removed from the glove compartment side.

20. Disconnect the radio antenna lead in cable from the radio chassis. Disconnect any vacuum hoses attached to the instrument panel.

21. Disconnect the automatic temperature control sensor and wiring harness from the instrument panel A/C evaporator housing area.

22. Remove the two nuts retaining the center of the instrument panel to the floor tunnel mounting bracket.

23. Remove one nut retaining the lower RH instrument panel to the cowl.

24. Remove the one nut retaining the lower LH instrument panel to the cowl and the one retaining the parking brake to the half car beam.

25. Remove the six bolts retaining the top front of the instrument panel.

⇒Two technicians are required for removal of the instrument panel from the vehicle.

26. Carefully pull the instrument panel away from the windshield glass, disengage the nine retainers at the top edge of the instrument panel, and remove the instrument panel.

⇒When installing the steering column tube to the steering column bracket insulator bracket, tighten the four retaining nuts to 16-20 ft. lb. (21-28 Nm).

To install:

27. If the instrument panel is being replaced, transfer all the components, wiring and retaining hardware to the new instrument panel, as necessary.

28. Installation is the reversal of the removal procedure. After installing the instrument panel defroster-opening grille, check all the components to ensure proper operation.

Center Console

REMOVAL & INSTALLATION

Mark VII

1. Remove the glove compartment door-look bezel.

a. Pull the rear of the front finish panel up and rearward to disengage from the two front locating clips. Disconnect the cigar lighter and lamp connectors.

2. Remove the two nuts retaining the front bracket of the console to the instrument panel. Remove the two console to the instrument panel. Remove the two screws retaining the front bracket to the floor bracket.

3. Pull back on the carpet at the two front edges of the console. Disengage the Velcro fasteners to gain access to the two console-to-instrument panel retaining screws. Remove the screws.

4. Remove the four screws retaining switch-mounting plate to the console base. Disconnect all the necessary electrical connectors, including the lamp for gear shift (PRNDL) illumination.

5. Open the lower console door and remove the cover in the bottom of the tray (snaps out), to gain

access to the two console-to-rear floor bracket retaining screws. Remove the screws.

6. Slide the console rearward and up.

To install:

7. Installation is the reversal of the removal procedure.

Mark VIII

1. Remove the gear selector handle.
2. Pull the front finish panel up to disengage from the two locating clip. Disconnect the cigar lighter and lamp connectors. Remove the gear selector trim panel.

3. Remove the two screws retaining the front finish panel of the console to the front bracket of the console.

4. Open the console door and remove the cover in the bottom of the tray to gain access to the two console-to-rear floor bracket retaining screws. Remove the screws.

5. Slide the console rearward and up.

To install:

6. Installation is the reversal of the removal procedure.

Continental 1988-94

1. Remove the filler assembly by lifting up and then pulling rearward.

2. Remove the cupholder.

3. Remove the console top finish panel screw.

4. Remove the console top finish panel by lifting up near the rear (under the armrests).

5. Remove the base to A/C plenum hex flanged tap screw.

6. Remove the two base to front bracket retaining screws.

7. Remove the two base to center bracket retaining screws.

8. Remove the mat from the rear storage bin and remove the two base to rear bracket retaining screws.

⇒while lifting console base out, it may be necessary to disconnect the wiring connector to the shift control selector lever and housing.

9. Remove the console base.

To install:

10. Installation is the reversal of the removal procedure.

Continental 1995-00

1. Close the beverage holders.

2. Remove the console glove compartment and glove compartment door. Pull glove compartment straight up and out of the console by hand.

3. Remove the console front finish pane. Using a small pry tool.

4. Remove the console panel by unsnapping it from the console.

5. Remove the console to bracket retaining screws through the glove compartment opening.

6. Remove the two console to instrument panel screws.

⇒While lifting console base out, it may be necessary to disconnect the wiring connector to the gearshift lever. Remove the console base.

To install:

7. Installation is the reversal of the removal procedure.

Overhead Console

REMOVAL & INSTALLATION

Town Car

1. Insert a small screwdriver in the slot at the rear of one reading lamp lens assembly. Push the screwdriver rearward and pull down on the lens. Remove the lens assembly. Repeat the procedure for the other reading lamp lens.

2. Remove the two-center finish panel retaining screws. Pull the finish panel down and disconnect all the electrical connectors.

3. Remove the center finish panel.

To install:

4. Connect all the electrical connectors.

5. Place the finish panel into position and install the two retaining screws.

6. Snap the reading lamp lens assemblies into place.

Continental 1988-94

1. Remove the two console retaining screws (located in the front under cover of the sun visor blade).

2. Remove the console by pulling down on the front of the console and disengage it from the rear hooks.

3. Disconnect the electrical connections.

To install:

4. Connect all the electrical connectors.

5. Installation is the reversal of the removal procedure.

Continental 1995-00

1. Open the front and rear panels of the roof console.

2. Remove the four screws retaining the roof console to the roof trim panel.

3. Disconnect the electrical connector and remove the roof console.

To install:

4. Connect all the electrical connectors.

5. Installation is the reversal of the removal procedure.

Door Panels

REMOVAL & INSTALLATION

Town Car 1988-91

▶ See Figures 27 thru 41

1. If work has to be done inside the door panel, raise the glass to the closed position.

2. Disconnect the negative battery cable:

3. If removing the driver's door panel, remove the retaining screw and the remote mirror bezel nut from the power window regulator housing switch plate. Raise the plate to expose the window switch and power door lock switch and disconnect the switches.

4. Remove the retaining screws from the door inside handle cup.

5. Working through the pull cup opening, disconnect the remote lock rod from the lock knob.

6. Remove the retaining screws from the armrest finish panel. Remove the retaining screws from the armrest and remove the armrest.

7. Using a suitable trim pad removal tool, carefully pry the trim panel plastic pushpin retainers from the door inner panel.

8. Pull the door panel away from the door slightly and detach the bulb and wiring assembly from the door panel by giving it a half twist to disengage it from the reflector housing.

▶ Do not use the trim panel to pry the clips from the door inner panel. Replace any bent, damaged or missing pushpins.

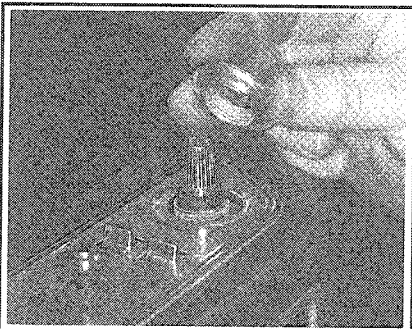
9. Disconnect the radio speaker wiring, if equipped. Remove the trim panel and water shield.

To install:

10. If the door panel is to be replaced, transfer the plastic pushpins to the new panel. Make sure that the watershield is positioned correctly to the door sheet metal. Remove the door pull handle from the old panel and transfer to the new one, if necessary. Install the bulb and wiring assembly. Install the lamp lens, if equipped, and the pull cup.

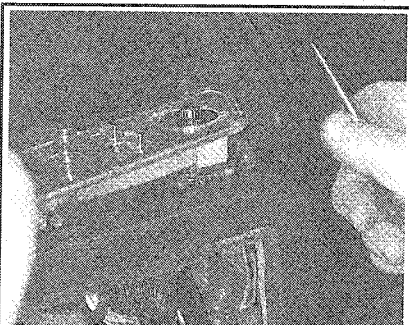
11. Align the plastic push pins on the door panel to the holes in the door sheet metal and press the pins into place.

12. Install the armrest and route the window



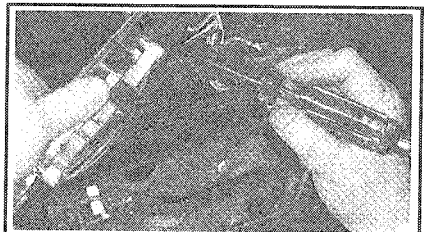
93140P54

Fig. 27 Unscrew the remote mirror bezel nut



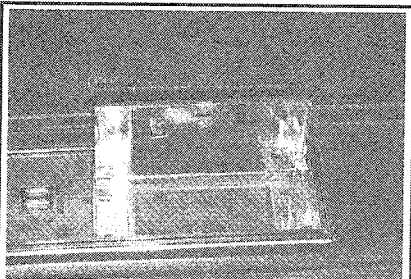
93140P53

Fig. 28 Raise the plate by lifting the front part up then slide it forward to release the clip from the rear



93140P51

Fig. 29 You can check for power distribution once the control panel has been removed. Use a wiring diagram to determine which wires feed the different circuits. Here we found a broken wire to the seat adjuster



93140P50

Fig. 30 On the other door panels, it is necessary to remove the chrome screw in the ashtray to lift the control panel and slide it forward



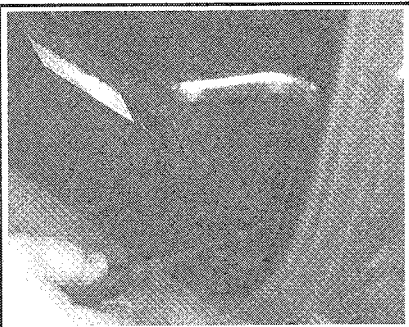
93140P49

Fig. 31 Removal of the armrest panel and the door handle cup will allow access to the two hidden mounting screws



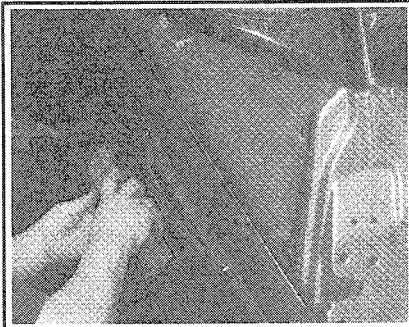
93140P47

Fig. 32 Remove the screw at the aft part of the door at the level of the latch. There is also one in the front section of the door (not shown) above latch height



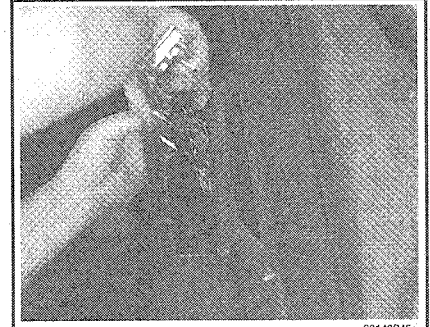
93140P48

Fig. 33 Remove the screw at the lower part of the door near the door exit lamp



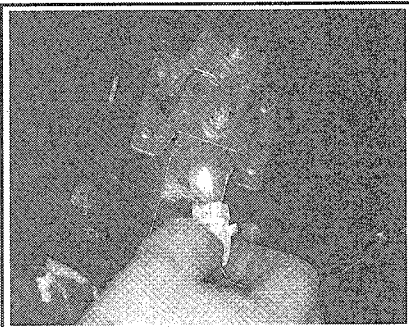
93140P46

Fig. 34 Using a pry tool for the plastic snaps pry the door panel away from the door



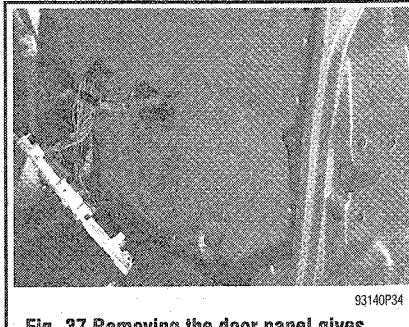
93140P45

Fig. 35 Slide the control panel connectors through the opening in the door handle to ease in removal of the panel



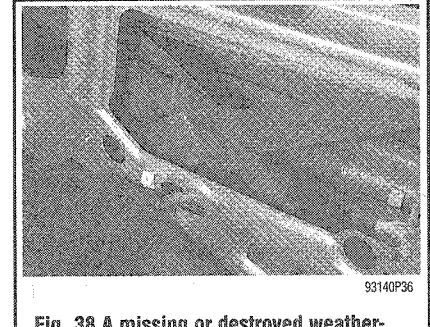
93140P44

Fig. 36 Don't forget to unplug the exit lamp from the back of the housing connected to the inside of the door panel



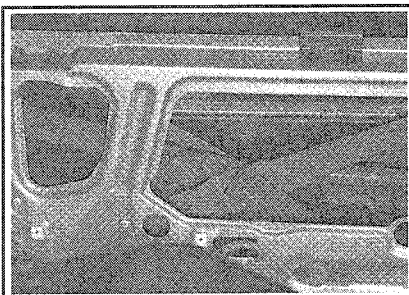
93140P34

Fig. 37 Removing the door panel gives access to the weather-sheet. A torn weather-sheet can be repaired with duct tape



93140P36

Fig. 38 A missing or destroyed weather-sheet can be repaired or replaced using a sheet of plastic. A large trash bag cut to size works well in keeping the interior dry



93140P35

Fig. 39 Pulling the weather-sheet away from door allows access to the window regulator and other internal components inside the door

regulator, remote mirror and power lock harness through the access hole. Install the armrest finish panel.

13. Install the power window regulator switch plate housing to the armrest connecting the power window switch, power door lock switch and remote mirror bezel nut, if equipped, prior to securing the retainer screw.

14. Connect the lock remote rod to the lock knob retainer boss.

⇒ Make sure that the remote rod is fully seated into the retainer boss, then function manually or with the power switch to ensure smooth operation of the lock knob.

15. Connect the negative battery cable.

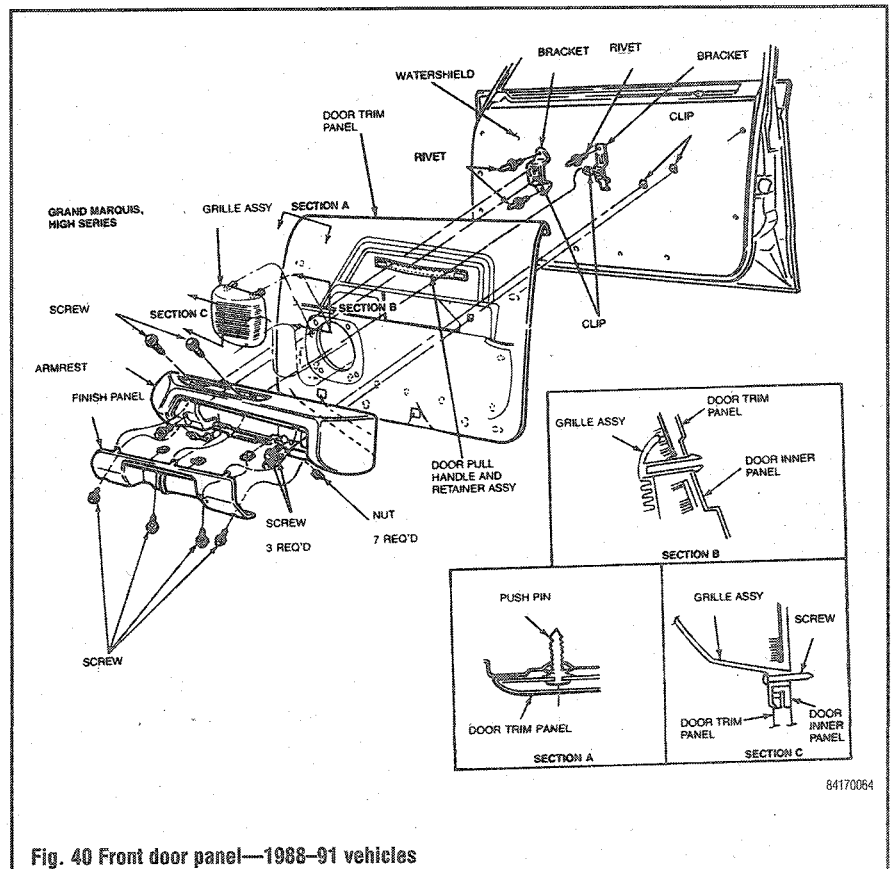


Fig. 40 Front door panel—1988-91 vehicles

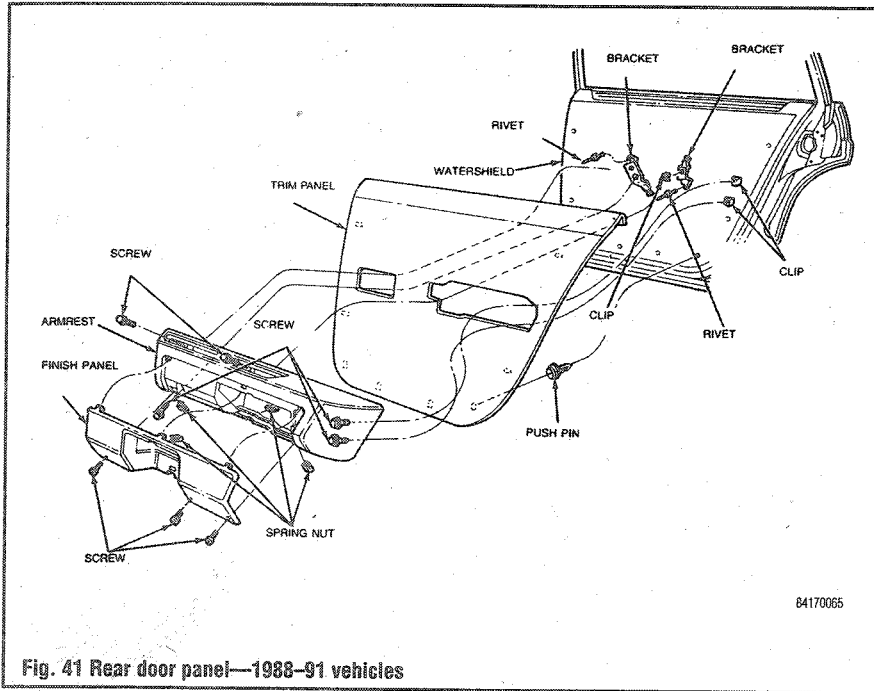


Fig. 41 Rear door panel—1988-91 vehicles

Town Car 1992-00

See Figures 42 and 43

1. Disconnect the negative battery cable.
2. Snap out the two door pull strap retaining screw covers. Remove the screws.

CAUTION

To avoid breakage of the door pull covers, insert a small screwdriver diagonally between the pull strap and chrome bracket. Snap out both sides then remove.

3. Remove the two screws on the front and rear side of the front door trim panel.
4. Using the trim pad removing tool, pry the trim panel retaining clips from the door inner panel.

Do not use the front door trim panel to remove the trim clips from the door inner panel. Replace any bent, damaged or missing push pins.

6. Remove the window regulator switch housing from the back of the front door trim panel. Lift up the housing and disconnect all connectors from the switch housing.
7. Disconnect the driver seat regulator control processor switch if equipped.
8. Twist out the interior lamp wire assembly.

To install:

9. Ensure that the plastic watershield is secured to the door.
10. Position the front door trim panel to the door. Connect the interior lamp wiring.
11. Align door lock side to its mating slide on the sheet metal.

12. Snap in the front door trim panel. Ensure all retainers fit properly.

Install the two retaining screws on the front and rear side of the front door trim panel.

13. Connect the driver seat regulator control processor, if equipped.

14. Position the window regulator control switch housing and connect the switch connectors. Install it to the front door trim panel by snapping it in, or by installing the screw at the rear.

15. Install the two retaining screws and pull strap covers.

16. Connect the negative battery cable.

Continental 1988-94

See Figures 44 thru 51

1. Remove the front door window regulator switch housing.
2. Remove all the screws retaining front door trim panel to the door. Using the trim pad removing tool, pry the front door trim panel from the door inner panel.
3. Remove the front door trim panel opening cover.

To install:

4. Connect all the electrical connectors.
5. Installation is the reversal of the removal procedure.

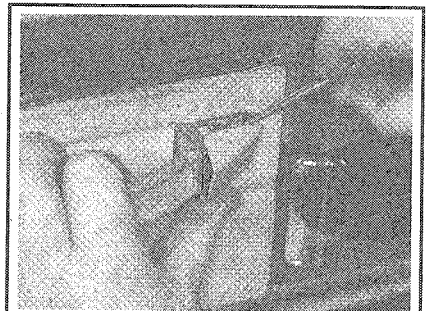


Fig. 44 Using a sharp seal pick, release the screw cover from the snap

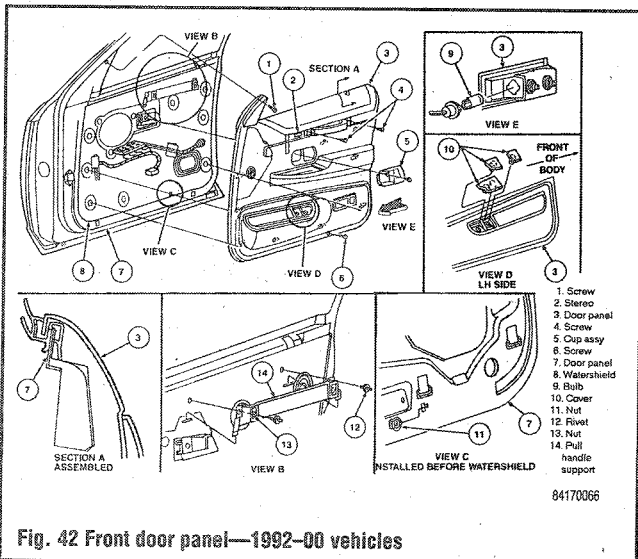


Fig. 42 Front door panel—1992-00 vehicles

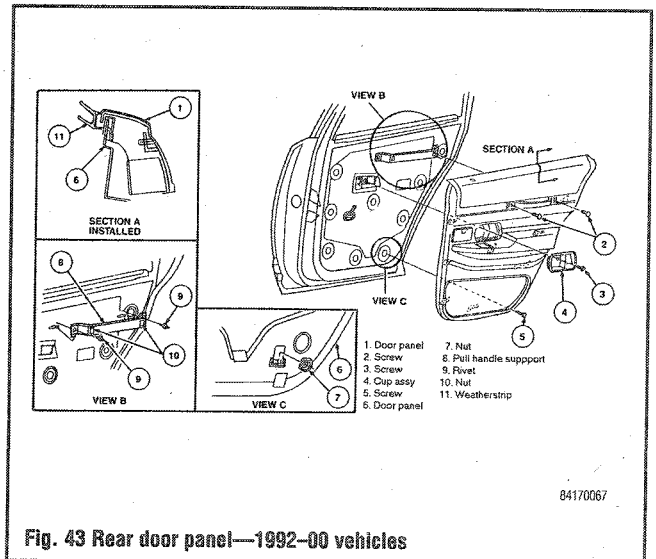
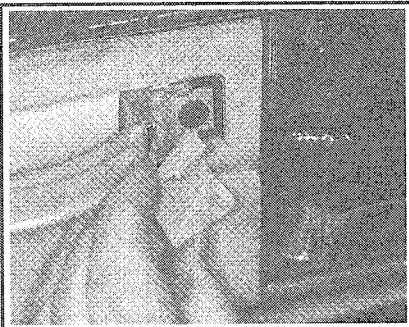
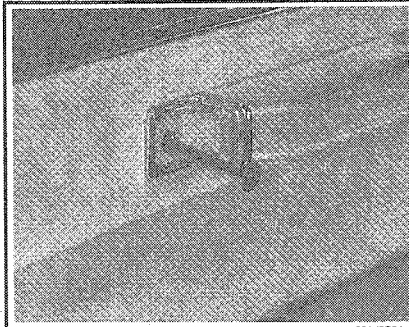


Fig. 43 Rear door panel—1992-00 vehicles



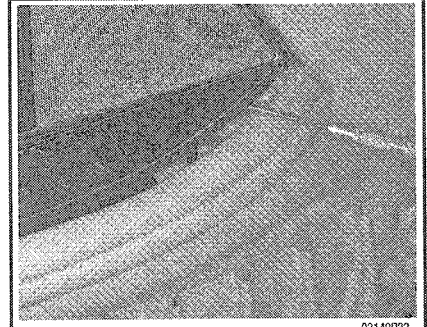
93140P25

Fig. 45 Removing the cover exposes the pull handle retaining screws



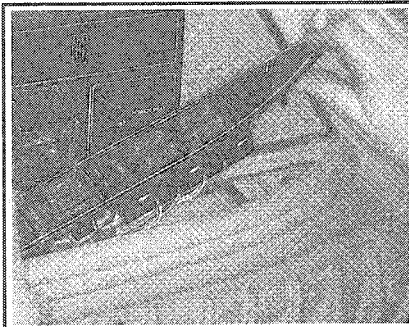
93140P24

Fig. 46 The two pull handle screws must be removed to remove the door panel



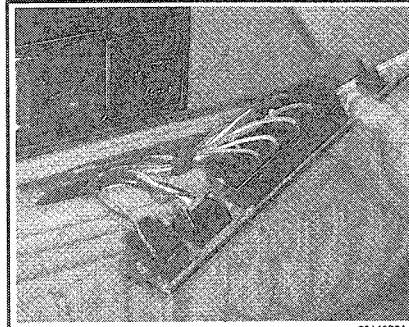
93140P32

Fig. 47 Pry up on the front edge of the armrest control panel first to release it from retainer snap



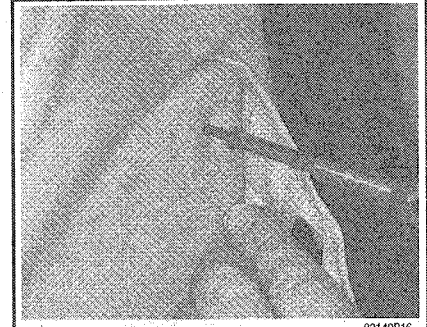
93140P30

Fig. 48 Lift the panel up and slide it forward to remove it



93140P31

Fig. 49 The control connectors are screwed into the armrest control panel from the underside



93140P16

Fig. 50 Remove the screws hidden inside the map pocket before trying to remove the panel



93140P27

Fig. 51 After removing the two screws inside the map pocket, tilt it out from the top. Be careful with the snaps. When the map pocket is removed, it will allow access to the concealed screws that must be removed to remove the door panel

Continental 1995-00

1. Using a small screwdriver, remove the screw cover from the armrest of the front door trim panel.
2. Remove the two retaining screws.
3. Using the trim pad removing tool, remove the front door trim panel.
4. Disconnect the electrical connectors.
5. Remove the front door window regulator switch housing.

To install:

6. Position the front door trim panel on the door, align the two locators on the front door trim panel with the door and reverse the removal procedure.

Mark VII

1. Remove the retaining screws from the armrest assembly.
2. Remove the screws retaining the switches to the housing and remove the cover assembly.
3. Remove the door trim panel retaining screws.
4. Using the trim pad removing tool, pry the trim panel retaining clips from the door inner panel.
5. Disconnect all the wiring, if so equipped, and remove the trim panel.

To install:

6. Position the trim panel to the door inner panel and connect the wiring, if so equipped.
7. Push the trim panel and retaining clips into the inner door panel holes and install the retaining screws. Install the screws retaining the switches to the housing.
8. Position the armrest to the trim panel, and install the retaining screws.

Mark VIII

1. Remove the rear view mirror mounting hole cover.
2. Remove the inside door handle cup.
3. Remove the door lock control bezel.
4. Remove the window regulator switch plate.
5. Remove the interior lamp lens.
6. Remove the screw from the interior lamp opening.
7. Remove the screw from the window regulator switch plate opening.
8. Disconnect the window regulator jumper wire

from the outside rear view mirror control, the seat regulator control, and the front door lock switch.

9. Disconnect the window regulator jumper wire from the luggage compartment remote control lockswitch.

10. Lift the front door trim panel vertically, out of the weather-strip and over the door latch control rod knob.

11. Disconnect the interior lamp from the window regulator jumper wire.

12. Remove the front door trim retention hooks into the door inner panel.

13. Remove the front door trim panel.

To install:

14. Reverse the removal procedure, paying special attention when inserting the front door trim panel into the weather-strip. Rock the front door trim panel into the weather-strip and push downward until the lower trim belt character ditch lines up with the score mark on the inner door panel.

Door Locks

REMOVAL & INSTALLATION

Front Door Latch

♦ See Figures 52 thru 58

1. Remove the door trim panel and the water-shield.
2. Mark the location of the rear glass run lower retaining bolt and remove the bolt.
3. Disconnect the outside release rod.

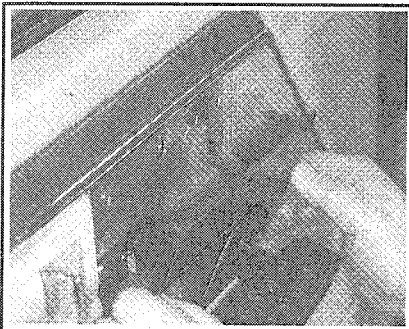


Fig. 52 Remove the access panel by prying it across the top and then lifting it up to clear the retaining tabs

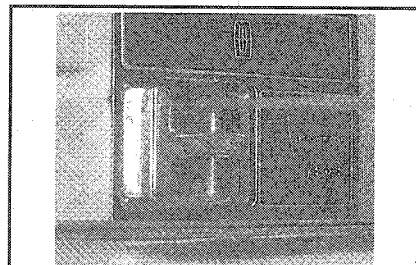


Fig. 53 If the inside door handle seems to stick out too far, it's probably broken. It is not necessary to remove the entire door panel to repair the handle. Unfasten the retaining screw



Fig. 54 We have removed the door panel for photo clarification. Pull the door handle forward and out of its seat

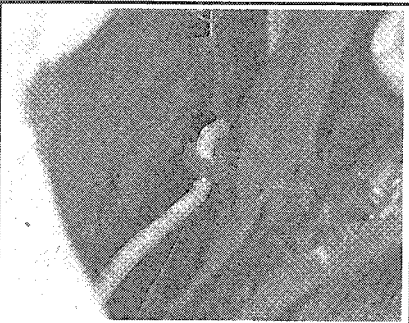


Fig. 55 Slide the door handle off the connecting rod . . .

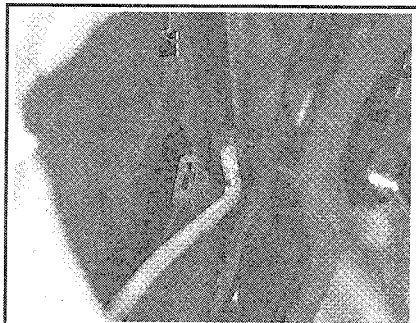


Fig. 56 . . . being careful not to allow the rod . . .



Fig. 57 . . . to snap out of your hand and drop inside the door

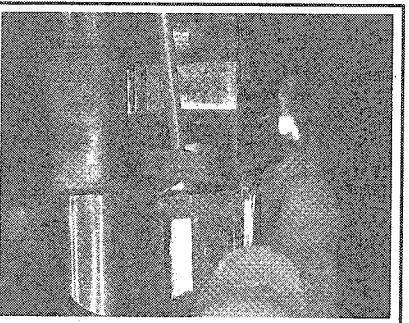


Fig. 58 This door handle has a broken return spring and needs to be replaced

4. Check all rod connections. Correct any disconnected or loose connections and check operation before replacing parts.

5. Disconnect the rods from the latch. The remote link and the latch-to-lock cylinder rod cannot be removed because of the rod's end configuration.

6. Remove the lock cylinder rod from the lock cylinder lever.

7. Remove the power actuator, power rod, and clip, if equipped.

8. Remove the door latch remote control.

9. Remove the latch assembly retaining screws. Disconnect the door indicator switch wire, if equipped, and remove the latch from the door.

10. Remove the anti-theft shield from the latch.

11. Remove the remote link, the latch-to-lock cylinder rods, and the door indicator switch from the latch where applicable.

To install:

12. Install new rod retaining clips and grommets in the new latch assembly, using the removed latch as a guide.

13. Position the door indicator switch to the latch and install the attaching screw. Install the anti-theft shield to the latch.

14. Install the remote link and the latch-to-lock cylinder rod.

15. Position the latch in the door and connect the wire to the door indicator switch. Install the latch and retaining screws with the anti-theft shield. Tighten to 3–6 ft. lbs. (4–8 Nm).

16. Install the door latch remote control.

17. Connect the latch-to-lock cylinder rod to the lock cylinder lever, manual lock rod and power lock rod, if equipped.

18. Connect the outside release rod to the latch and check latch operation.

19. Install the rear glass run lower attaching bolt in the original position.

20. Install the door trim panel and watershield.

Rear Door Latch

▶ See Figures 59 and 60

1. Remove the door trim panel and watershield.

2. Disconnect the door latch-actuating rod from the latch assembly.

3. Remove the rear door latch bellcrank.

4. Remove the door latch remote control.

5. Disconnect the power lock rod, if equipped.

6. Remove the three latch assembly retaining screws.

7. Disconnect the wire from the door indicator switch, if equipped, and remove the latch assembly from the door.

8. Remove the door indicator switch from the latch assembly and remove the 2 link assemblies from the latch.

To install:

9. Install new clips and grommets in the new latch assembly, using the removed latch as a guide.

10. Install the door indicator switch on the latch assembly.

11. Install the 2 link assemblies into the lower lever grommets.

12. Connect the power lock rod, if equipped.

13. Position the latch assembly on the door and connect the wire to the door indicator switch, if equipped.

14. Install the 3 retaining screws.

15. Connect the door latch-actuating rod to the latch assembly.

16. Install the door latch bellcrank and remote control.

17. Check latch operation, then install the door panel and watershield.

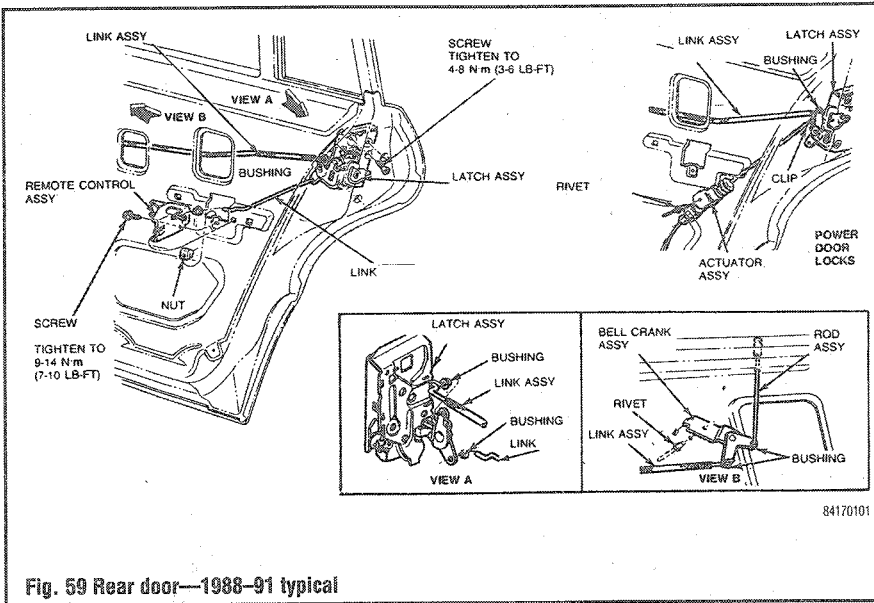


Fig. 59 Rear door—1988-91 typical

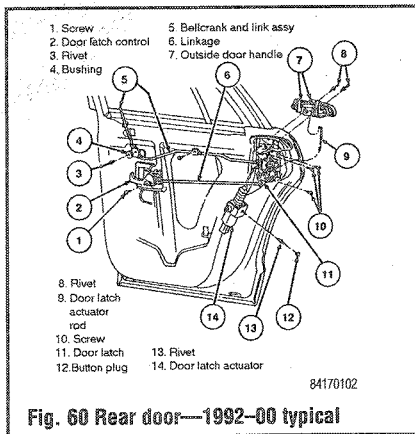


Fig. 60 Rear door—1992-00 typical

Door Glass and Regulator

REMOVAL & INSTALLATION

1988-91

FRONT DOOR

▶ See Figure 61

1. Remove the door trim panel and water-shield. Remove the inside door belt weather-strip.
2. Raise or lower the glass to gain access to the glass bracket retaining rivets. Loosen the nut and washer assemblies retaining the door glass stabilizer. Position a suitable block support between the door outer panel and the glass bracket to stabilize the glass during rivet removal.
3. Remove the center pin of each rivet with a drift punch. Drill out the remainder of the rivet with a 1/4 in. diameter drill, being careful not to enlarge the rivet attachment.

***** WARNING**

Do not attempt to pry the rivets out as damage to the glass bracket and glass spacer retainer could result.

10. Install the door belt weather-strip, trim panel and watershield.

REAR DOOR

▶ See Figures 62 and 63

1. Remove the door trim panel and water-shield.
2. Remove the glass-to-glass bracket retaining rivets. Remove the center pin from the rivets with a drift punch and drill the head from each rivet with a 1/4 in. diameter drill. Lower the glass approximately 6 in. and let it rest in the door well.
3. Remove the door window glass inner stabilizer retaining screw and remove the stabilizer assembly.
4. Remove the retainer and division bar glass run attaching screw and washer assembly at the bottom.
5. Remove the screw and washer assembly at the top of the division bar at the doorframe. Tilt the division bar and main glass forward and remove the weather-strip from the top of the doorframe.
6. Remove the stationary vent glass and weather-strip from the doorframe.
7. Position the retainer, division bar and main glass in the upright position. Pull the main glass and division bar above and outside the doorframe. Swing the glass and division bar assemblies 90 degrees from the doorframe and work the glass and division bar upward and out of the door channel between the belt moldings.

To install:

▶ The rear door glass, rear door window glass channel, division bar glass run, and retainer and division bar mechanism are assembled prior to installation.

8. Install the glass channel to the glass using glass Eversal tape or equivalent, 0.065 in. (1.65mm) thick x 1 3/4 in. (44.45mm) wide x 17 3/4 in. (450.85mm) long. Be sure to align the notches in the glass to the cutouts within the glass channel. Clear tape from channel for installing glass guides.

4. Remove the glass by tipping it forward then removing it from the outboard side of the door.

To install:

5. Install the spacer and retainer assemblies into the glass retention holes. Make sure each assembly is securely fastened.
6. Insert the glass into the door between the door belt weather-strips.
7. Position the regulator arm slide assembly into the C-channel of the glass bracket.
8. Position the glass to the glass bracket and install three 1/4 in. blind rivets. Three 1/4 in.-20 bolt, washer and nut assemblies can also be used to attach the glass to the glass bracket. Tighten the bolt and nut to 3-5 ft. lbs. (4-7 Nm).
9. If necessary, loosen the upper and lower retaining screws on the run and bracket assembly to position the glass in the doorframe.

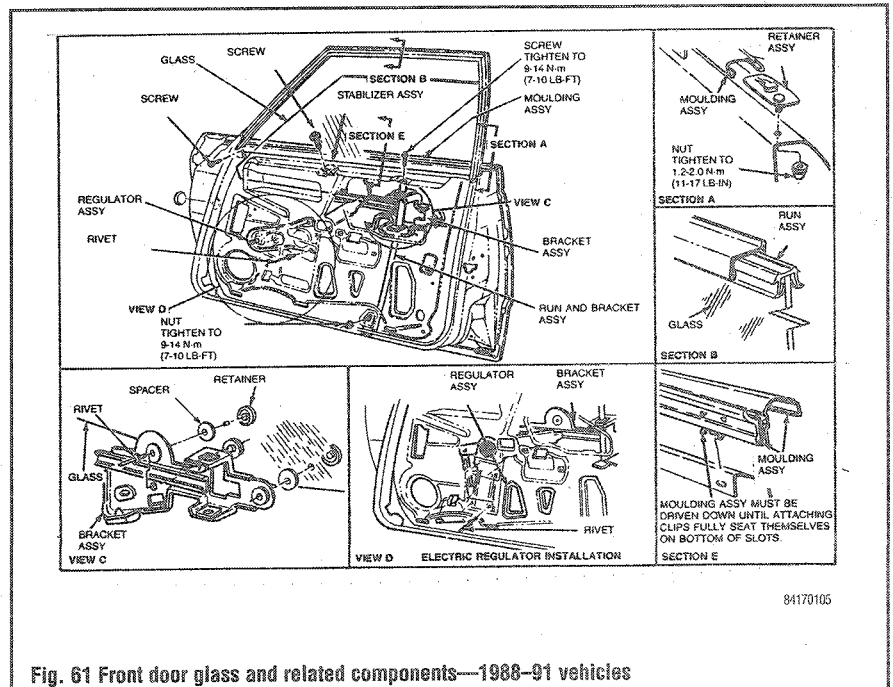


Fig. 61 Front door glass and related components—1988-91 vehicles

10-16 BODY AND TRIM

9. Install 2 nylon guides into the glass channel slots and snap the Mylar flocked glass run over the glass channel.

10. Lubricate the inside section of the retainer and division bar assembly with silicone lubricant. Place the retainer and division bar assembly over the nylon guides and slide over the glass channel.

11. Install the run assembly into the doorframe (front and top of door). Leave the last 6 in. (152mm) of run assembly next to the division bar hanging loose out of the door frame.

12. While holding the rear door glass, retainer, and division bar 90° from the door, insert the

retainer and division bar between the door belt weather-strip. Swing the glass inboard to the belt and install loosely in the door channel. The upper front corner of the glass should touch the bellline in this position.

⇒ **Lubricate the belt and vent weather-strips with silicone lubricant or soapy solution for easier installation.**

13. Subassemble fixed rear window glass and weather-strip and install firmly into the rear of the door frame.

14. Set the main glass and retainer and division bar into position and install the top screw and

washer assembly. Make sure that the sealer at the screw head covers the hole for a tight seal.

15. Install the loose 6 in. of run assembly into the door frame and division bar. Install the remaining flocked run into the frame.

16. Install the retainer and division bar retaining screw.

17. Install the window glass inner stabilizer assembly with the retaining screw.

18. Install 2 glass-to-glass bracket rivets or use 1/4 in.-20 x 1 bolts and nuts. Tighten the bolts to no more than 3-5 ft. lbs. (4-7 Nm).

19. Install the retainer assembly rear door glass. Run the front lower (front guide) with the upper bracket locked into the frame and loosely attach the bottom bracket to the front face of the door (hinge face) with the screw and washer assembly. Install the flocked run into the front guide. Lower the glass to make sure there is no binding. Tighten the screw and washer assembly.

20. Install the door watershield and trim panel.

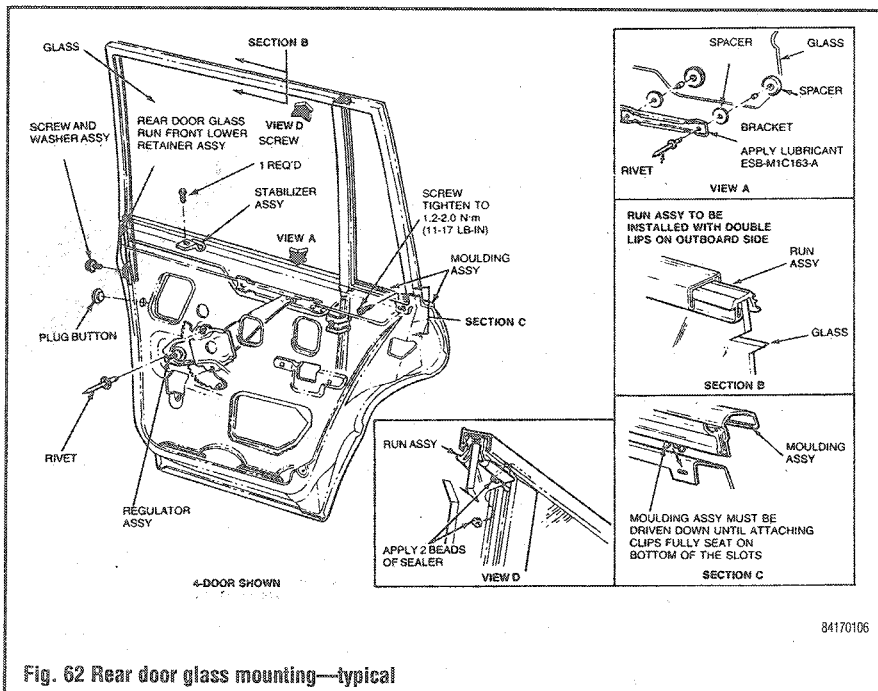


Fig. 62 Rear door glass mounting—typical

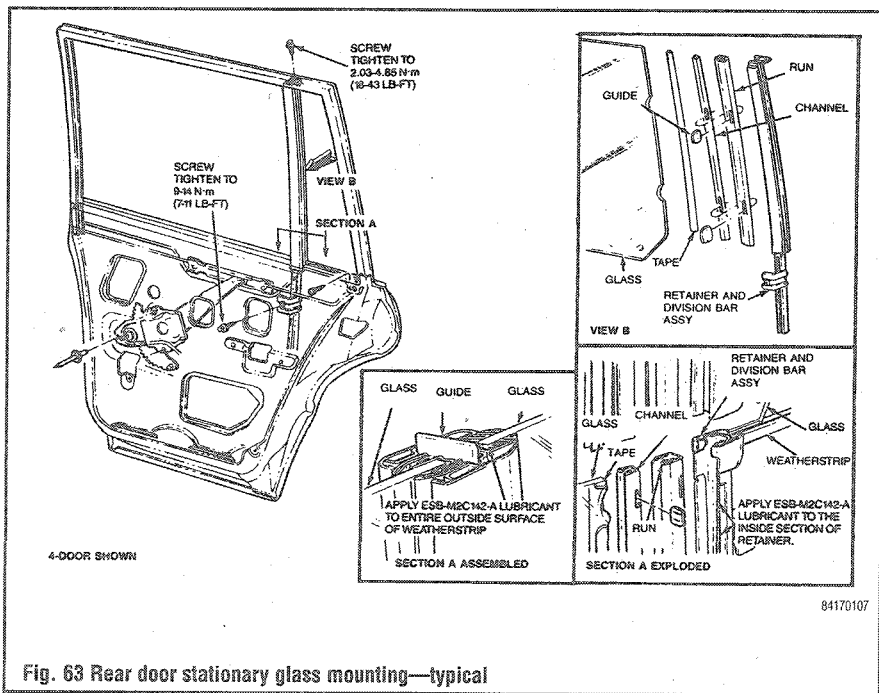


Fig. 63 Rear door stationary glass mounting—typical

1992-00

♦ See Figure 64

1. Remove the door trim panel and watershield.

2. Loosen the glass run retainer retaining screw and position the retainer forward.

3. Lower the glass to gain access to the 2 glass bracket rivets. Position a suitable block support between the door outer panel and the glass bracket to stabilize the glass during rivet removal.

4. Remove the center pins from the rivets using a drift punch. Drill out the remainder of the rivets using a 1/4 in. diameter drill.

*** WARNING

Do not attempt to pry out the rivets as damage to the glass could result.

5. Remove the glass.

To install:

6. Insert the glass into the door between the outer belt weather-strip and inner panel.

7. Position the glass into the doorframe and lower the window to align with the regulator bracket.

8. Install two 1/4 in. blind rivets. Two 1/4-20 x 1 in. screw, washer and nut assemblies can also be used. Tighten the screws to no more than 7-10 ft. lbs. (9-14 Nm).

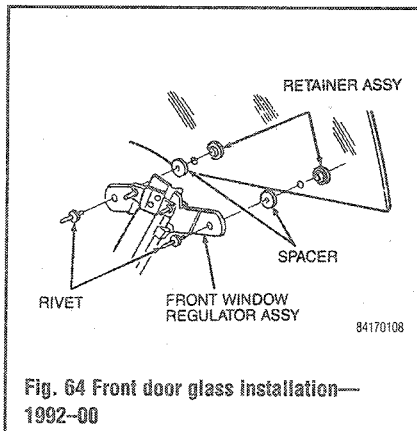


Fig. 64 Front door glass installation—1992-00

9. Adjust the door glass as follows:
 - a. Loosen, but do not remove, the upper regulator retaining nuts.
 - b. Raise the glass to the full-up position and tighten the nuts to 7-10 ft. lbs. (9-14 Nm).
 - c. Loosen, but do not remove, the front glass run retainer bolt.
 - d. Lower the glass to the full down position and tighten the run retainer bolt to 7-10 ft. lbs. (9-14 Nm).
10. Install the door trim panel and watershield.

Door Window Regulator

REMOVAL & INSTALLATION

1988-91 Vehicles

FRONT DOOR

1. Remove the door trim panel and watershield.
2. Support the glass in the full-up position.
3. Detach the power window motor wiring connector, if equipped.
4. Remove the center pin from the regulator retaining rivets with a drift punch. Using a 1/4 in. diameter drill, drill out the remainder of the rivet, being careful not to enlarge the sheet metal retaining holes.

*** CAUTION

If the regulator counterbalance spring must be removed or replaced for any reason, make sure that the regulator arms are in a fixed position prior to removal to prevent possible injury during C-spring unwind.

5. Disengage the regulator arm slides from the glass brackets C-channel and remove the regulator from the door.

To install:

6. Position the regulator in the door and insert the square slides into the glass brackets C-channel.
7. Position the regulator to the retaining holes in the door inner panel. Install the 1/4 in. blind rivets. 1/4 in.-20 x 1/2 in. screw and washer assemblies and 1/4 in.-20 nut and washer assemblies can also be used.
8. Attach the power window wiring connector, if equipped.
9. Cycle the regulator to check for proper operation.
10. Install the door trim panel and watershield.

REAR DOOR

1. Remove the door trim panel and watershield.
2. Remove the retaining rivets. Remove the center pin from the rivets with a drift punch. Drill out the head of the rivet using a 1/4 in. diameter drill. Be careful not to enlarge the sheet metal holes during drilling.
3. Remove the regulator arm roller from the glass bracket channel and remove the regulator from the door.

To install:

4. Lubricate the window regulator rollers, shafts and the entire length of the roller guides with multi-purpose grease.

5. Install the regulator into the access hole in the inner panel.
6. Position the regulator arm roller into the glass bracket channel.
7. Install the rivets attaching the regulator to the door inner panel. 1/4 in.-20 x 1/2 in. screw and washer assemblies and 1/4 in.-20 nut and washer assemblies can also be used.
8. Install the watershield and door trim panel.

1992-00 Vehicles

See Figure 65

OPERATIONAL WINDOW

1. Remove the door trim panel and watershield.
2. Remove the door glass.
3. Detach the power window motor wiring connector.
4. Remove the two 1/4 in. rivets attaching the lower bracket of the regulator to the inner panel. Use a drift punch to knock out the center pins, then drill out the remainder of the rivet with a 1/4 in.

diameter drill. Be careful not to enlarge the sheet metal holes in the door inner panel.

5. Remove the 3 motor retaining screws from inside the door to remove the motor from the bracket assembly.

6. Remove the 2 upper regulator retaining nuts and remove the regulator from the door.

To install:

7. Apply an even coating of multi-purpose grease to the window regulator rollers, shafts and the entire length of the roller guides.
8. Install the regulator into the access hole in the inner panel.
9. Position the regulator using the upper regulator studs and tabs on the motor mounting bracket.
10. Install the rivets attaching the regulator to the door inner panel. Two 1/4 in.-20 x 1/2 in. screw and washer assemblies and 1/4 in.-20 nut and washer assemblies can also be used.
11. Install the 2 upper regulator retaining nuts. Install the motor, being careful not to overtighten the screws.
12. Install and adjust the door glass.
13. Install the watershield and door trim panel.

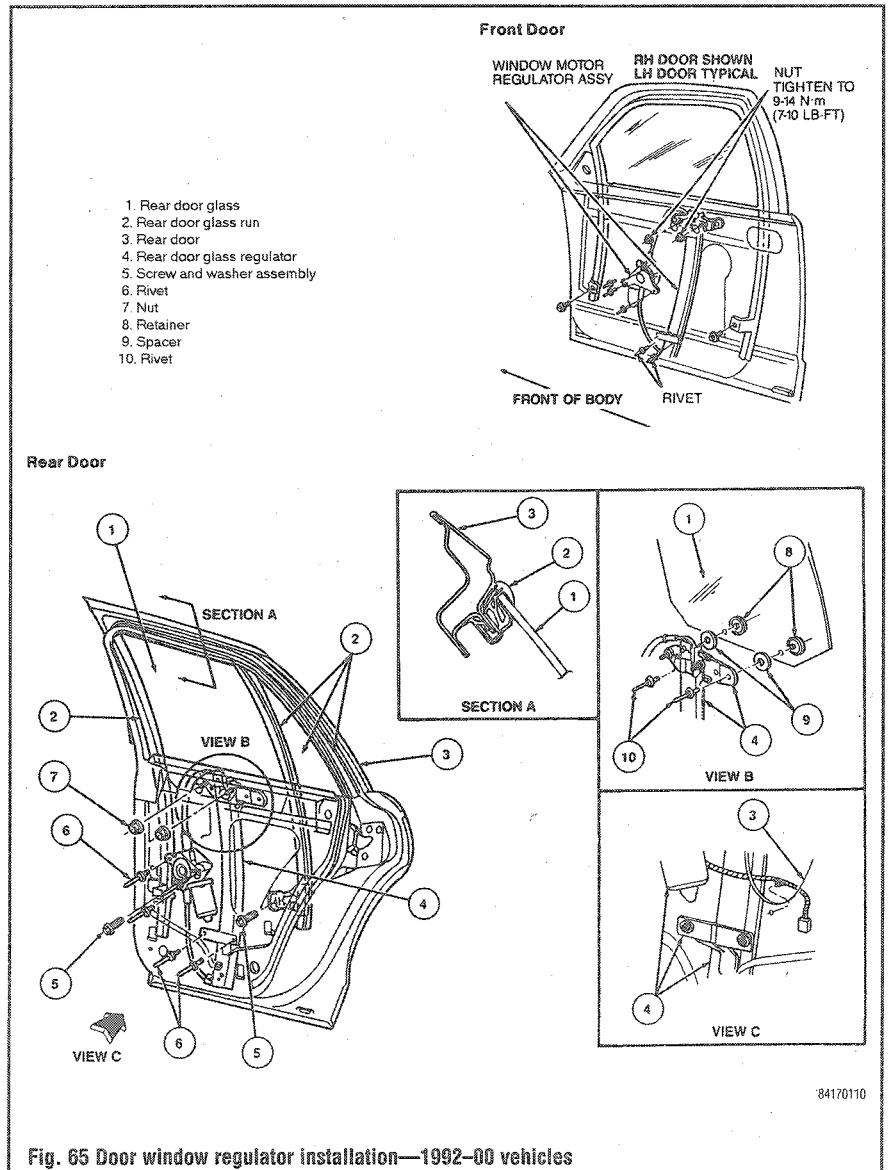


Fig. 65 Door window regulator installation—1992-00 vehicles

2. Remove the mirror by pushing the mirror upward and away from the mounting bracket.
3. Installation is the reverse of the removal procedure.

Seats

REMOVAL & INSTALLATION

Power Front Seat

1. Disconnect the negative battery cable.
2. Remove the access covers from the lower shields, if equipped, or insulators, if equipped, to expose the nuts and washers and/or bolts.
3. Remove the nuts and washers and/or bolts retaining the seat track to the floorpan.
4. Lift the seat up enough to disconnect the seat harness connector and disconnect the connector.
5. On certain models, remove the bolt(s) attaching the seat belts to the floor.
6. Remove the seat and track assembly from the vehicle.
7. Installation is the reverse of the removal procedure.

Rear Seat

▶ See Figures 70 and 71

1. Apply knee pressure to the lower front portion of the rear seat cushion. Push rearward to disengage the seat cushion from the retainer brackets.

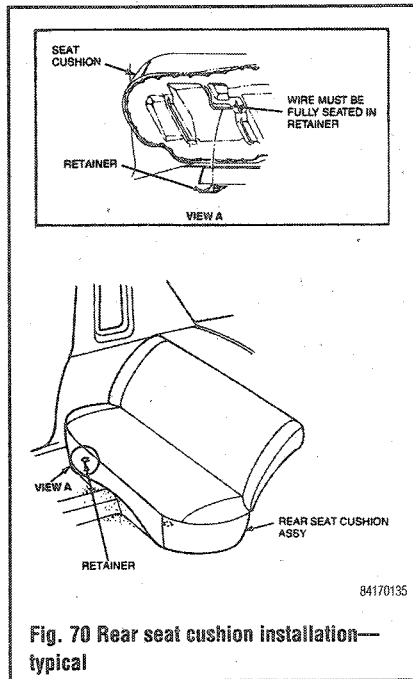


Fig. 70 Rear seat cushion installation—typical

2. Remove the outer seat belt and seat back lower retaining screws.
3. Grasp the seat back at the bottom and lift up to disengage the hanger wire from the retainer brackets.
4. Remove the seat back from the vehicle.

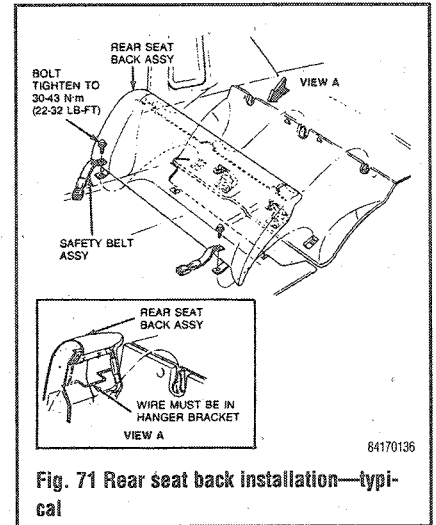


Fig. 71 Rear seat back installation—typical

To install:

5. Position the seat back into the vehicle so that the hanger wire is engaged with the retaining brackets.
6. Install the outer seat belt and seat back lower retainer screws. Tighten to 22–32 ft. lbs. (30–43 Nm).
7. Position the seat cushion into the vehicle. Apply knee pressure to the lower portion of the seat cushion, pushing rearward and down to lock the cushion into position.
8. Check the rear seat cushion to make sure it is secured into the floor retainer.

10-20 BODY AND TRIM

TORQUE SPECIFICATIONS

Components	English	Metric
Antenna nut	31-44 inch lbs.	4-5 Nm
Door hinge bolts	19-25 ft. lbs.	25-35 Nm
Door stop arm bolts	89 inch lbs.	10 Nm
Door striker bolts	17-20 ft. lbs.	22-28 Nm
Fender retaining screws	89-124 inch lbs.	10-14 Nm
Front seat retaining bolts	15-19 ft. lbs.	20-26 Nm
Grille retaining screws	11-16 inch lbs.	1-2 Nm
Hood hinge bolts	18 ft. lbs.	24 Nm
Outside mirror retaining bolts	53-71 inch lbs.	6-8 Nm
Rear seat		
Rear seat back	23-35 ft. lbs.	31-48 Nm
60/40 split rear seat back	15-19 ft. lbs.	20-26 Nm
Trunk lid hinge bolts	89 inch lbs.	10 Nm
Window regulator-to-door glass retaining bolts	71 inch lbs.	8 Nm