

BODY

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GENERAL SERVICE INFORMATION

GENERAL INFORMATION

SAFETY PRECAUTIONS AND WARNINGS

WARNING: EYE PROTECTION SHOULD BE USED WHEN SERVICING GLASS COMPONENTS. PERSONAL INJURY CAN RESULT.

USE A OSHA APPROVED BREATHING FILTER WHEN SPRAYING PAINT OR SOLVENTS IN A CONFINED AREA. PERSONAL INJURY CAN RESULT.

AVOID PROLONGED SKIN CONTACT WITH PETROLEUM OR ALCOHOL- BASED CLEANING SOLVENTS. PERSONAL INJURY CAN RESULT.

DO NOT STAND UNDER A HOISTED VEHICLE THAT IS NOT PROPERLY SUPPORTED ON SAFETY STANDS. PERSONAL INJURY CAN RESULT.

CAUTION: When holes must be drilled or punched in an inner body panel, verify depth of space to the outer body panel, electrical wiring, or other components. Damage to vehicle can result.

Do not weld exterior panels unless combustible material on the interior of vehicle is removed from the repair area. Fire or hazardous conditions, can result.

Always have a fire extinguisher ready for use when welding.

Disconnect the negative (-) cable clamp from the battery when servicing electrical components that are live when the ignition is OFF. Damage to electrical system can result.

Do not use abrasive chemicals or compounds on painted surfaces. Damage to finish can result.

Do not use harsh alkaline based cleaning solvents on painted or upholstered surfaces. Damage to finish or color can result.

Do not hammer or pound on plastic trim panel when servicing interior trim. Plastic panels can break.

Chrysler Corporation uses many different types of push-in fasteners to secure the interior and exterior trim to the body. Most of these fasteners can be reused to assemble the trim during various repair procedures. At times, a push-in fastener cannot be removed without damaging the fastener or the component it is holding. If it is not possible to remove a fastener without damaging a component or body, cut or break the fastener and use a new one when installing the component. Never pry or pound on a plastic or pressed-board trim component. Using a suitable fork-type prying device, pry the fastener from the retaining hole behind the component being removed. When installing, verify fastener alignment with the retaining hole by hand. Push directly on or over the fastener until it seats. Apply a low-force pull to the panel to verify that it is secure.

When it is necessary to remove components to service another, it should not be necessary to apply excessive force or bend a component to remove it. Before damaging a trim component, verify hidden fasteners or captured edges holding the component in place.

BODY DIAGNOSTIC PROCEDURES

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DESCRIPTION AND OPERATION

WATER LEAKS

Water leaks can be caused by poor sealing, improper body component alignment, body seam porosity, missing plugs, or blocked drain holes. Centrifugal and gravitational force can cause water to drip from a location away from the actual leak point, making leak detection difficult. All body sealing points should be water tight in normal wet-driving conditions. Water flowing downward from the front of the vehicle should not enter the passenger or luggage compartment. Moving sealing surfaces will not always seal water tight under all conditions. At times, side glass or door seals will allow water to enter the passenger compartment during high pressure washing or hard driving rain (severe) conditions. Overcompensating on door or glass adjustments to stop a water leak that occurs under severe conditions can cause premature seal wear and excessive closing or latching effort. After completing a repair, water-test vehicle to verify leak has stopped before returning vehicle to use.

VISUAL INSPECTION BEFORE WATER LEAK TESTS

Verify that floor and body plugs are in place, body drains are clear, and body components are properly aligned and sealed. If component alignment or sealing is necessary, refer to the appropriate section of this group for proper procedures.

WATER LEAK TESTS

WARNING: DO NOT USE ELECTRIC SHOP LIGHTS OR TOOLS IN WATER TEST AREA. PERSONAL INJURY CAN RESULT.

When the conditions causing a water leak have been determined, simulate the conditions as closely as possible.

- If a leak occurs with the vehicle parked in a steady light rain, flood the leak area with an open-ended garden hose.
- If a leak occurs while driving at highway speeds in a steady rain, test the leak area with a reasonable

velocity stream or fan spray of water. Direct the spray in a direction comparable to actual conditions.

- If a leak occurs when the vehicle is parked on an incline, hoist the end or side of the vehicle to simulate this condition. This method can be used when the leak occurs when the vehicle accelerates, stops or turns. If the leak occurs on acceleration, hoist the front of the vehicle. If the leak occurs when braking, hoist the back of the vehicle. If the leak occurs on left turns, hoist the left side of the vehicle. If the leak occurs on right turns, hoist the right side of the vehicle. For hoisting recommendations refer to Group 0, Lubrication and Maintenance, General Information section.

WATER LEAK DETECTION

To detect a water leak point-of-entry, do a water test and watch for water tracks or droplets forming on the inside of the vehicle. If necessary, remove interior trim covers or panels to gain visual access to the leak area. If the hose cannot be positioned without being held, have someone help do the water test.

Some water leaks must be tested for a considerable length of time to become apparent. When a leak appears, find the highest point of the water track or drop. The highest point usually will show the point of entry. After leak point has been found, repair the leak and water test to verify that the leak has stopped.

Locating the entry point of water that is leaking into a cavity between panels can be difficult. The trapped water may splash or run from the cavity, often at a distance from the entry point. Most water leaks of this type become apparent after accelerating, stopping, turning, or when on an incline.

MIRROR INSPECTION METHOD

When a leak point area is visually obstructed, use a suitable mirror to gain visual access. A mirror can also be used to deflect light to a limited-access area to assist in locating a leak point.

BRIGHT LIGHT LEAK TEST METHOD

Some water leaks in the luggage compartment can be detected without water testing. Position the vehicle in a brightly lit area. From inside the darkened

DESCRIPTION AND OPERATION (Continued)

luggage compartment inspect around seals and body seams. If necessary, have a helper direct a drop light over the suspected leak areas around the luggage compartment. If light is visible through a normally sealed location, water could enter through the opening.

PRESSURIZED LEAK TEST METHOD

When a water leak into the passenger compartment cannot be detected by water testing, pressurize the passenger compartment and soap test exterior of the vehicle. To pressurize the passenger compartment, close all doors and windows, start engine, and set heater control to high blower in HEAT position. If engine can not be started, connect a charger to the battery to ensure adequate voltage to the blower. With interior pressurized, apply dish detergent solution to suspected leak area on the exterior of the vehicle. Apply detergent solution with spray device or soft bristle brush. If soap bubbles occur at a body seam, joint, seal or gasket, the leak entry point could be at that location.

WIND NOISE

Wind noise is the result of most air leaks. Air leaks can be caused by poor sealing, improper body component alignment, body seam porosity, or missing plugs in the engine compartment or door hinge pillar areas. All body sealing points should be airtight in normal driving conditions. Moving sealing surfaces will not always seal airtight under all conditions. At times, side glass or door seals will allow wind noise to be noticed in the passenger compartment during high crosswinds. Over compensating on door or glass adjustments to stop wind noise that occurs under

severe conditions can cause premature seal wear and excessive closing or latching effort. After a repair procedure has been performed, test vehicle to verify noise has stopped before returning vehicle to use.

Wind noise can also be caused by improperly fitted exterior moldings or body ornamentation. Loose moldings can flutter, creating a buzzing or chattering noise. An open cavity or protruding edge can create a whistling or howling noise. Inspect the exterior of the vehicle to verify that these conditions do not exist.

VISUAL INSPECTION BEFORE TESTS

Verify that floor and body plugs are in place and body components are aligned and sealed. If component alignment or sealing is necessary, refer to the appropriate section of this group for proper procedures.

ROAD TESTING WIND NOISE

(1) Drive the vehicle to verify the general location of the wind noise.

(2) Apply 50 mm (2 in.) masking tape in 150 mm (6 in.) lengths along weatherstrips, weld seams or moldings. After each length is applied, drive the vehicle. If noise goes away after a piece of tape is applied, remove tape, locate, and repair defect.

POSSIBLE CAUSE OF WIND NOISE

- Moldings standing away from body surface can catch wind and whistle.
- Gaps in sealed areas behind overhanging body flanges can cause wind-rushing sounds.
- Misaligned movable components.
- Missing or improperly installed plugs in pillars.
- Weld burn through holes.

PAINT

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GENERAL INFORMATION

PAINT CODE

Exterior vehicle body colors are identified on the Body Code plate. The plate is located on the floor pan under the passenger seat or attached to the front face of the radiator closure panel. Refer to the Introduction section at the front of this manual for body code plate description. The paint code is also identified on the Vehicle Safety Certification Label which is located on the drivers door shut face. The color names provided in the Paint and Trim Code Description chart are the color names used on most repair product containers.

BASE COAT/CLEAR COAT FINISH

On most vehicles a two-part paint application (base coat/clear coat) is used. Color paint that is applied to primer is called base coat. The clear coat protects the base coat from ultraviolet light and provides a durable high-gloss finish.

WET SANDING, BUFFING, AND POLISHING

Minor acid etching, orange peel, or smudging in clear coat or single-stage finishes can be reduced with light wet sanding, hand buffing, and polishing. **If the finish has been wet sanded in the past, it cannot be repeated. Wet sanding operation should be performed by a trained automotive paint technician.**

CAUTION: Do not remove clear coat finish, if equipped. Base coat paint must retain clear coat for durability.

PAINTED SURFACE TOUCH-UP

When a painted metal surface has been scratched or chipped, it should be touched-up as soon as possible to avoid corrosion. For best results, use Mopar® Scratch Filler/Primer, Touch-Up Paints and Clear Top Coat. Refer to Introduction group of this manual for Body Code Plate information.

TOUCH-UP PROCEDURE

- (1) Scrape loose paint and corrosion from inside scratch or chip.
- (2) Clean affected area with Mopar® Tar/Road Oil Remover, and allow to dry.
- (3) Fill the inside of the scratch or chip with a coat of filler/primer. Do not overlap primer onto good surface finish. The applicator brush should be wet enough to puddle-fill the defect without running. Do not stroke brush applicator on body surface. Allow the filler/primer to dry hard.
- (4) Cover the filler/primer with color touch-up paint. Do not overlap touch-up color onto the original color coat around the scratch or chip. Butt the new color to the original color, if possible. Do not stroke applicator brush on body surface. Allow touch-up paint to dry hard.
- (5) On vehicles without clear coat, the touch-up color can be lightly wet sanded (1500 grit) and polished with rubbing compound.
- (6) On vehicles with clear coat, apply clear top coat to touch-up paint with the same technique as described in Step 4. Allow clear top coat to dry hard. If desired, Step 5 can be performed on clear top coat.

SPECIFICATIONS

AFTERMARKET REPAIR PRODUCTS

EXTERIOR PAINT CODES AND SUPPLIER STOCK NUMBERS

COLOR NAME	CHRY CODE*	PPG	BASF	DuPONT	SHERWIN-WILLIAMS	AKZO NOBEL SIKKENS
Metallic Red Metallic Clear Coat	LRF	4447	22116	B9230	45860	CHA92:LRF
Metallic Red Metallic Clear Coat	RRC	4974/ 5025	25046	B9517	50274	CHA95:RRC
Flame Red Pearl Coat	PR4	4679	23043	B9326	46916	CHA93:PR4
Light Driftwood Satin Glow	MFA	4569	22110	B9263	46579	CHA92:MFA
Light Driftwood Satin Glow	RFK	5011	25053	B9570	50736	CHA95:RFK
Emerald Green Pearl Coat	PGS	4785	24075	B9460	48539	CHA94:PGS
Emerald Green Pearl Coat	PGF	4639	23042	B9328	46976	CHA92:PGF
Bright Jade Pearl Coat	SQM	18885	26094	B9620	51534	CHA96:SQM
Forest Green Pearl Coat	SG8	5065	166649	B9609	51062	CHA95:SG8
Dark Chestnut Pearl Coat	TU1	5243	27036	B9732	52935	CHA97:TU1
Dark Chestnut Pearl Coat	TU3	5245	27037	B9737	52934	CHA97:TU3
Intense Blue Pearl Coat	VB3	5357	28074	B9822	54468	CHA98:VB3
Black Clear Coat	DX8	9700	15214	99	34858 90-5950	CHA85:DX8
Bright White Clear Coat	GW7	4037	18238	B8833	37298	CHA88:GW7

NOTE: *Herberts Standox and Spies Hecker use the Chrysler paint code as listed on the Body Code Plate and the Vehicle Safety Certification label.

INTERIOR PAINT CODES AND SUPPLIER STOCK NUMBERS

INTERIOR COLOR	CHRY CODE	PPG	BASF	DuPONT	SHERWIN-WILLIAMS	AKZO NOBEL SIKKENS
Agate	AZ	9856 2-1461	22135	C9208	45994	CHALAZI
Mist Gray	C3	35799 2-1576	25065	C9507	50508	CHARC3I
Camel	K9	28589 2-1647	28120	N/A	55934	CHAVK9I

STATIONARY GLASS

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DESCRIPTION AND OPERATION

SAFETY PRECAUTIONS

WARNING: DO NOT OPERATE THE VEHICLE WITHIN 24 HOURS OF WINDSHIELD INSTALLATION. IT TAKES AT LEAST 24 HOURS FOR URETHANE ADHESIVE TO CURE. IF IT IS NOT CURED, THE WINDSHIELD MAY NOT PERFORM PROPERLY IN AN ACCIDENT.

URETHANE ADHESIVES ARE APPLIED AS A SYSTEM. USE GLASS CLEANER, GLASS PREP SOLVENT, GLASS PRIMER, PVC (VINYL) PRIMER AND PINCHWELD (FENCE) PRIMER PROVIDED BY THE ADHESIVE MANUFACTURER. IF NOT, STRUCTURAL INTEGRITY COULD BE COMPROMISED.

CHRYSLER DOES NOT RECOMMEND GLASS ADHESIVE BY BRAND. TECHNICIANS SHOULD REVIEW PRODUCT LABELS AND TECHNICAL DATA SHEETS, AND USE ONLY ADHESIVES THAT THEIR MANUFACTURER'S WARRANTY WILL RESTORE A VEHICLE TO THE REQUIREMENTS OF FMVSS 212. TECHNICIANS SHOULD ALSO INSURE THAT PRIMERS AND CLEANERS ARE COMPATIBLE WITH THE PARTICULAR ADHESIVE USED.

BE SURE TO REFER TO THE URETHANE MANUFACTURER'S DIRECTIONS FOR CURING TIME SPECIFICATIONS, AND DO NOT USE ADHESIVE AFTER ITS EXPIRATION DATE.

VAPORS THAT ARE EMITTED FROM THE URETHANE ADHESIVE OR PRIMER COULD CAUSE PERSONAL INJURY. USE THEM IN A WELL-VENTILATED AREA.

SKIN CONTACT WITH URETHANE ADHESIVE SHOULD BE AVOIDED. PERSONAL INJURY MAY RESULT.

ALWAYS WEAR EYE AND HAND PROTECTION WHEN WORKING WITH GLASS.

CAUTION: Protect all painted and trimmed surfaces from coming in contact with urethane or primers.

Be careful not to damage painted surfaces when removing moldings or cutting urethane around windshield.

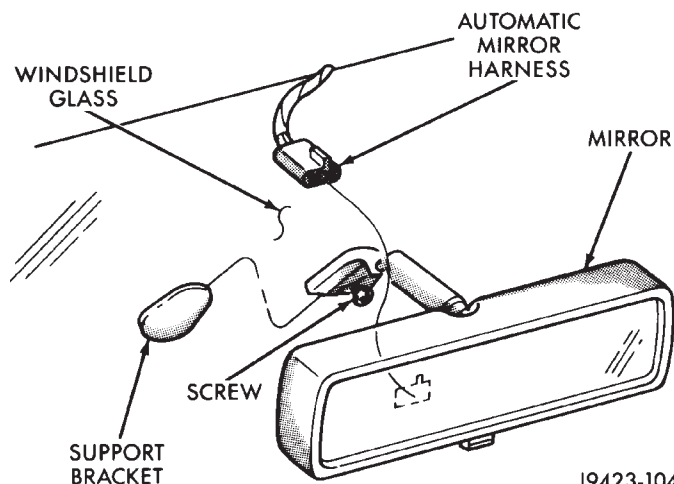
It is difficult to salvage a windshield during the removal operation. The windshield is part of the structural support for the roof. The urethane bonding used to secure the windshield to the fence is difficult to cut or clean from any surface. If the moldings are set in urethane, it would also be unlikely they could be salvaged. Before removing the windshield, check the availability of the windshield and moldings from the parts supplier.

REMOVAL AND INSTALLATION

WINDSHIELD

REMOVAL

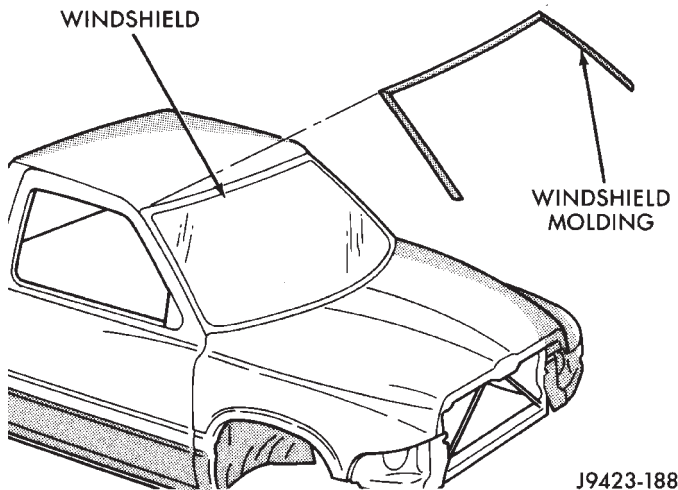
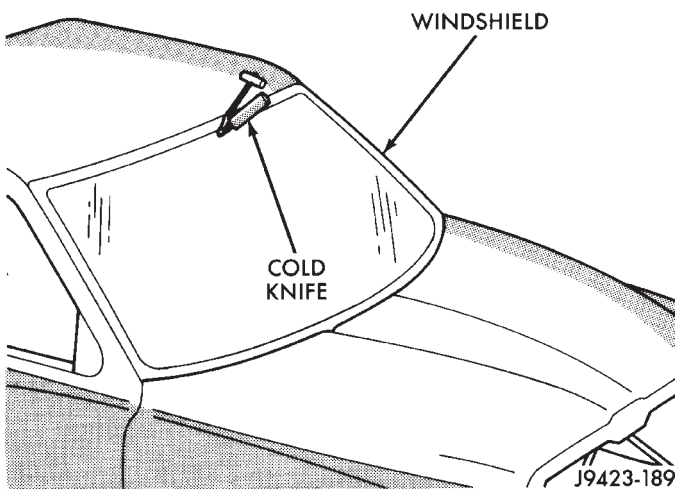
- (1) Remove inside rear view mirror (Fig. 1).
- (2) Remove cowl cover. Refer to Cowl Cover Removal paragraph in this group.
- (3) With doors open, remove windshield molding (Fig. 2). Pull outward on molding beginning at the bottom of A-pillars using pliers.
- (4) Cut urethane bonding from around windshield using a suitable sharp cold knife (C-4849). A pneumatic cutting device can be used but is not recommended (Fig. 3).
- (5) Separate windshield from vehicle.



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Fig. 1 Rear View Mirror

REMOVAL AND INSTALLATION (Continued)

**Fig. 2 Windshield Moldings****Fig. 3 Cut Urethane Around Windshield****INSTALLATION**

WARNING: Allow the urethane at least 24 hours to cure before returning the vehicle to use.

CAUTION: Roll down the left and right front door glass and open the rear glass slider (if available) before installing windshield to avoid pressurizing the passenger compartment if a door is slammed before urethane is cured. Water leaks can result.

The windshield fence should be cleaned of most of its old urethane bonding material. A small amount of old urethane, approximately 1-2 mm in height, should remain on the fence. Do not grind off or completely remove all old urethane from the fence, the paint finish and bonding strength will be adversely affected. Support spacers should be cleaned and properly installed on weld studs or repair screws at bottom of windshield opening.

(1) Place replacement windshield into windshield opening and position glass in the center of the opening against the support spacers. Mark the glass at the support spacers with a grease pencil or pieces of masking tape and ink pen to use as a reference for installation. Remove replacement windshield from windshield opening (Fig. 4).

(2) Position the windshield inside up on a suitable work surface with two padded, wood 10 cm by 10 cm by 50 cm (4 in. by 4 in. by 20 in.) blocks, placed parallel 75 cm (2.5 ft.) apart (Fig. 5).

(3) Clean inside of windshield with MOPAR Glass Cleaner and lint-free cloth.

(4) Apply clear glass primer 25 mm (1 in.) wide around perimeter of windshield and wipe with a new clean and dry lint-free cloth.

(5) Apply the molding to the windshield:

- Press the upper corners of the molding onto the windshield.
- Press the header section onto the windshield.
- Press the A-Pillar sections onto the windshield.

(6) Apply black-out primer onto the glass using the windshield molding as a guide. The primer should be 15 mm (5/8 in.) wide on the top and sides of the glass and 25 mm (1 in.) on the bottom of windshield. Allow at least three minutes drying time.

(7) Position one 5 mm (3/16 in.) soft spacer (p/n 55028214) at the bottom of the windshield fence (Fig. 6).

(8) Apply a 13mm (1/2 in.) high and 10mm (3/8 in.) wide bead of urethane around the perimeter of windshield. At the bottom, apply the bead 7 mm (1/4 in.) inboard from the glass edge. On the three sides where the molding is on the glass, follow the edge of molding. The urethane bead should be shaped in a triangular cross-section, this can be achieved by notching the tip of the applicator (Fig. 7).

(9) With the aid of a helper, position the windshield over the windshield opening. Align the reference marks at the bottom of the windshield to the support spacers.

(10) Slowly lower windshield glass to the fence opening guiding the lower corners into proper position. Beginning at the bottom and continuing to the top, push glass onto fence along the A-Pillars. Push windshield inward to the fence at the bottom corners (Fig. 8).

(11) Clean excess urethane from exterior with MOPAR Super Clean or equivalent.

(12) Apply 150 mm (6 in.) lengths of 50 mm (2 in.) masking tape spaced 250 mm (10 in.) apart to hold molding in place until urethane cures.

(13) Install cowl cover and wipers.

(14) Install inside rear view mirror.

(15) After urethane has cured, remove tape strips and water test windshield to verify repair.

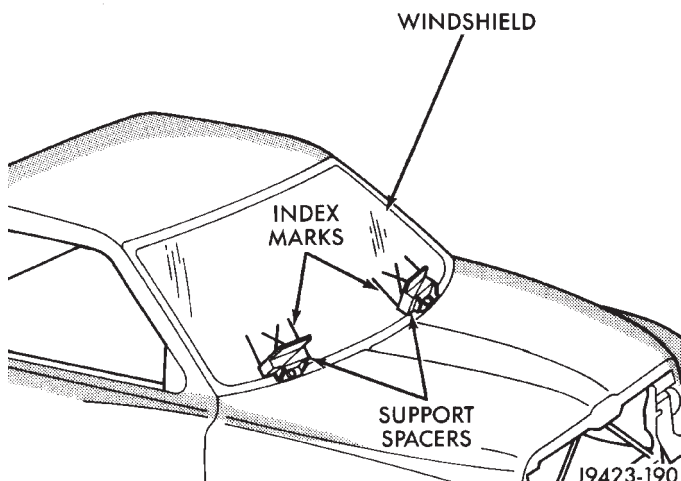


Fig. 4 Center Windshield and Mark at Support Spacers

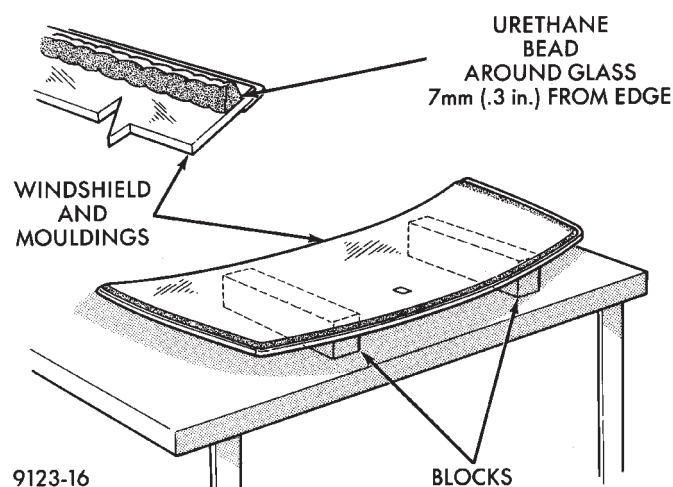


Fig. 5 Work Surface Set up and Molding Installation

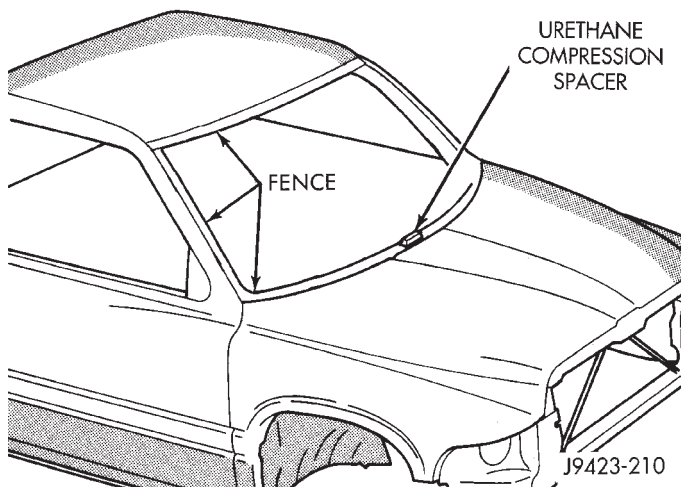


Fig. 6 Position Urethane Compression Spacer

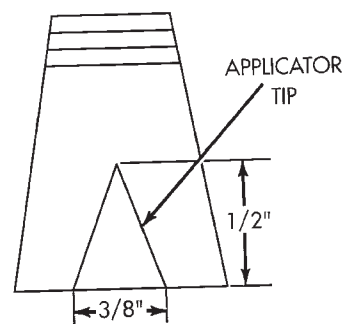


Fig. 7 Applicator Tip

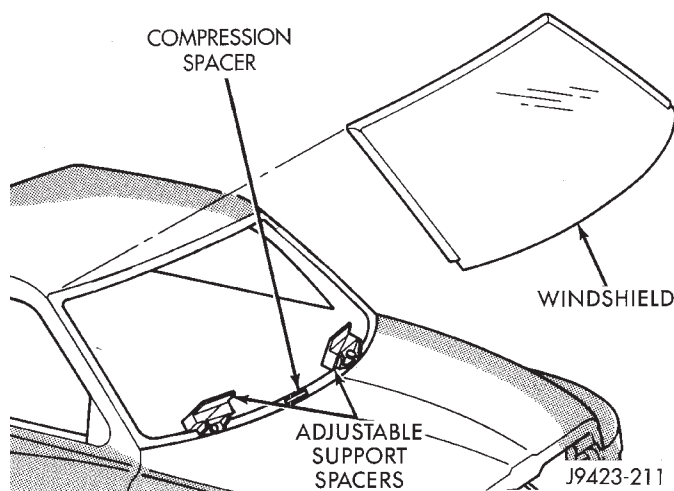


Fig. 8 Lower Windshield Into Position

BACKLITE

REMOVAL

It is difficult to salvage the backlite during the removal operation. The backlite is part of the structural support for the roof. The urethane bonding used to secure the glass to the fence is difficult to cut or clean from any surface. Since the molding is set in urethane, it is unlikely it would be salvaged. Before removing the backlite, check the availability from the parts supplier.

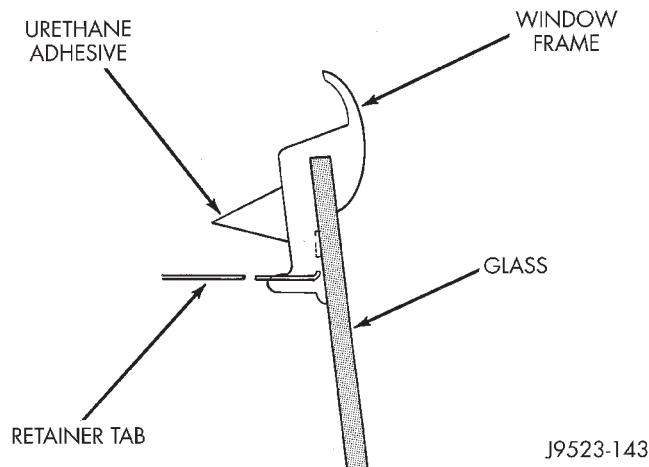
The backlite is attached to the window frame with urethane adhesive. The urethane adhesive is applied cold and seals the surface area between the window opening and the glass. The primer adheres the urethane adhesive to the backlite.

- (1) Roll down door glass.
- (2) If necessary, remove quarter trim panels.
- (3) Remove headliner.
- (4) Remove cab back panel trim.
- (5) Bend rear window retaining tabs inward against glass.
- (6) Using a suitable pneumatic knife from inside the vehicle, cut urethane holding rear glass frame to opening fence.
- (7) Separate glass from vehicle.

REMOVAL AND INSTALLATION (Continued)

INSTALLATION

- (1) Clean urethane adhesive from around rear glass opening fence.
- (2) Apply black-out primer to outer edge of replacement rear glass frame.
- (3) Apply black-out primer to rear glass opening fence.
- (4) Apply a 13 mm (0.5 in.) bead of urethane around the perimeter of the window frame bonding surface (Fig. 9).
- (5) Set glass on lower fence and move glass forward into opening (Fig. 10).
- (6) Firmly push glass against rear window glass opening fence.
- (7) Bend tabs around edges of rear window opening fence to retain glass.
- (8) Clean excess urethane from exterior with MOPAR, Super Clean or equivalent.
- (9) Allow urethane to cure at least 24 hours (full cure is 72 hours).
- (10) Water test to verify repair before returning vehicle to service.
- (11) Install interior trim.



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Fig. 9 Urethane Adhesive Application

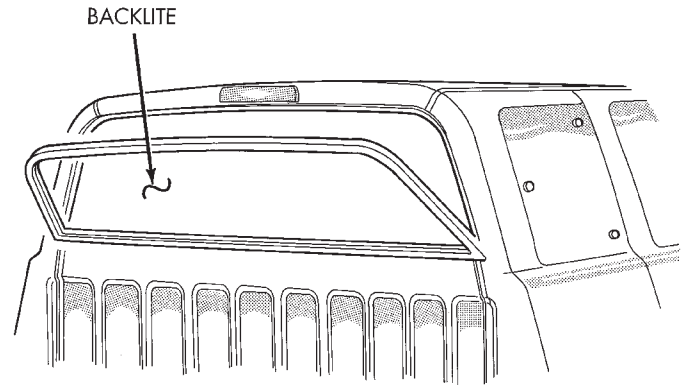
SLIDING BACKLITE

If complete removal of the sliding backlite is required, refer to the backlite removal/installation procedures in this group.

SLIDING VENT GLASS

REMOVAL

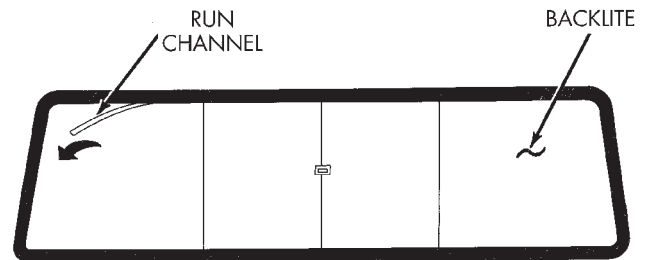
- (1) Slide the upper left and upper right run channels out of window frame (Fig. 11).
- (2) Slide left and right glass panels upward, remove and separate latch and keeper (Fig. 12).



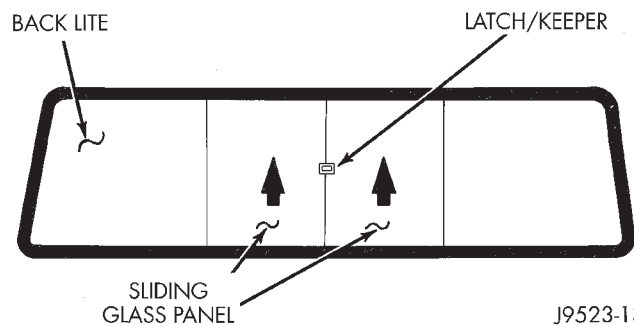
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Fig. 10 Backlite Installation

- (3) If necessary, remove lower glass channel and replace (Fig. 13).



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Fig. 11 Run Channel Removal

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Fig. 12 Glass Panel Removal

INSTALLATION

- (1) If necessary, install lower run channel.
- (2) Position left and right glass panels at window opening and lower into the lower run channel. The glass panels must be in the closed position (Fig. 14).
- (3) Slide the upper left and upper right run channels into the window frame.
- (4) Verify window and latch/keeper operation.

REMOVAL AND INSTALLATION (Continued)

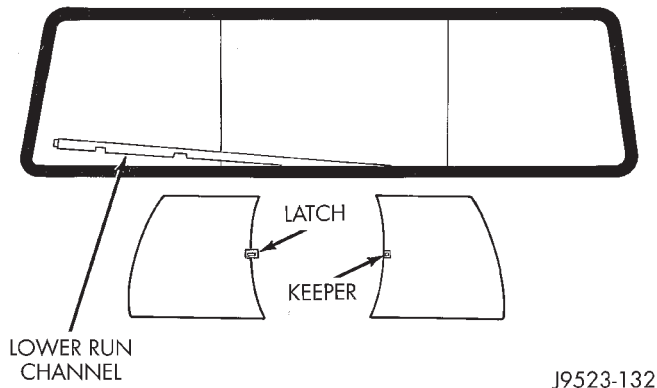


Fig. 13 Lower Run Channel Removal
SLIDING BACKLITE LATCH AND KEEPER

REMOVAL

- (1) Disengage latch and keeper.
- (2) Remove latch/keeper screws.
- (3) Separate Latch/keeper from glass panel.

INSTALLATION

- (1) Position Latch/keeper on glass panel.
- (2) Install screws. Tighten the screws with 1.5 N·m (15 in. lbs.) torque.
- (3) Engage latch and keeper to verify operation.

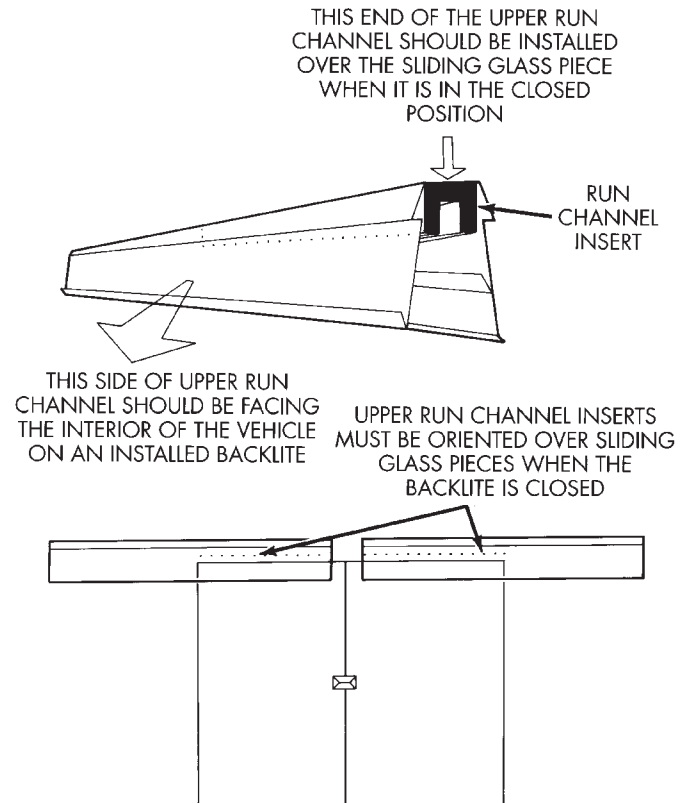


Fig. 14 Glass Panel Installation

SEATS

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REMOVAL AND INSTALLATION

BENCH SEAT TRACK

REMOVAL

- (1) Remove seat from vehicle.
- (2) Remove inboard seat belt buckles.
- (3) Remove bolts attaching seat track to seat cushion frame (Fig. 1).
- (4) Separate seat track from seat cushion frame.

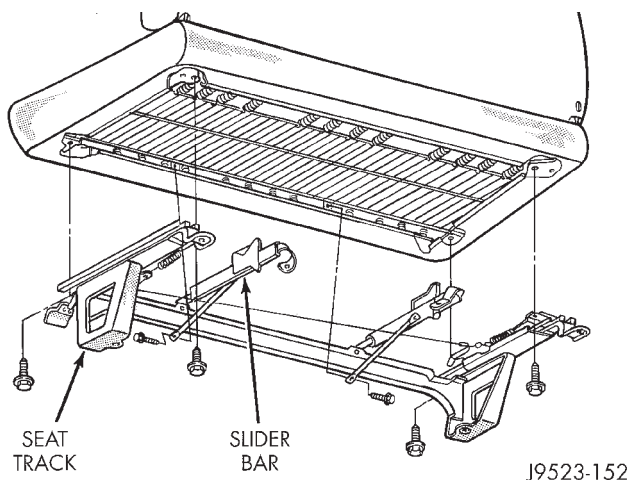


Fig. 1 Seat Track Removal

INSTALLATION

- (1) Position seat track on seat cushion frame.
- (2) Ensure seat track and slider bar are aligned.
- (3) Install rear seat track bolts. Tighten seat track bolts to 25 N·m (18 ft.lbs.) torque.
- (4) Install inboard seat belt buckles. Tighten bolts to 40 N·m (30 ft.lbs.) torque.
- (5) Pull seat release and move track rearward.
- (6) Install front seat track bolts. Tighten seat track bolts to 25 N·m (18 ft.lbs.) torque.

- (7) Align slider bars and install bolts. Tighten slider bar bolts to 10.0 N·m (7 ft.lbs.) torque.
- (8) Install seat.

BENCH SEAT BACK

REMOVAL

- (1) Move seat to the full forward position.
- (2) Release J-Strap and peel back side of cover (corner flap) (Fig. 3).
- (3) Remove bolts attaching seat back to seat cushion and separate seat back from seat cushion (Fig. 2).

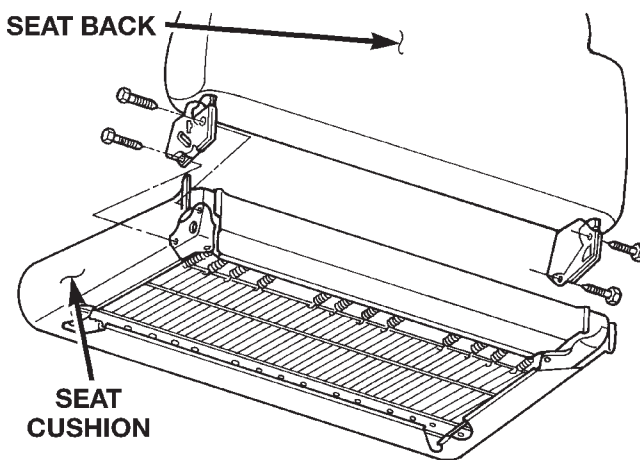


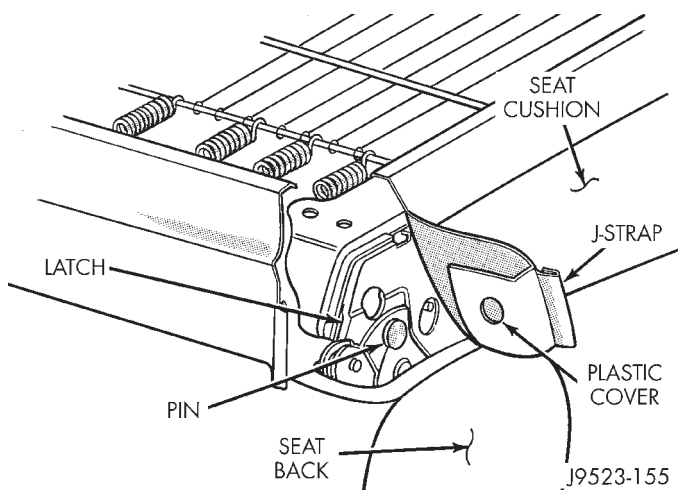
Fig. 2 Seat Back Removal/Installation

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INSTALLATION

- (1) Align seat cushion with seat back.
- (2) Install bolts through seat back latch into seat cushion frame. Tighten bolts to 25 N·m (18 ft.lbs.) torque.
- (3) Pull side of cover (corner flap) facing rear of the cushion over and secure J-Strap (Fig. 3).
- (4) Plastic cover on side cover (corner flap) at rear of cushion must be over the pin on the inertia latches.

REMOVAL AND INSTALLATION (Continued)

**Fig. 3 J-Strap Corner Removal/Installation****BENCH SEAT BACK COVER****REMOVAL**

- (1) Remove seat back from vehicle.
- (2) Disengage J-Straps from base of seat back.
- (3) Remove hogrings, if equipped.
- (4) With seat back in a normal vertical position, roll cover upwards and remove.

INSTALLATION

- (1) With seat back in a normal vertical position, roll cover downwards over seat back.
- (2) Install hogrings, if equipped.
- (3) Secure J-Straps at base of seat back.
- (4) Install seat back.

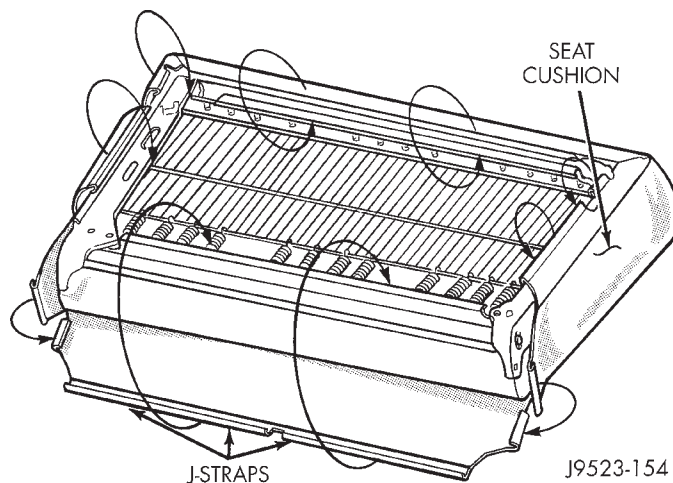
BENCH SEAT CUSHION COVER**REMOVAL**

- (1) Remove seat from vehicle.
- (2) Remove seat back.
- (3) Position seat cushion on a suitable work surface with frame side up.
- (4) Remove seat track.
- (5) Remove left and right side J-Straps.
- (6) Remove rear J-Strap.
- (7) Remove front J-Strap.
- (8) Roll trim cover off of front and rear corners and separate from foam cushion.

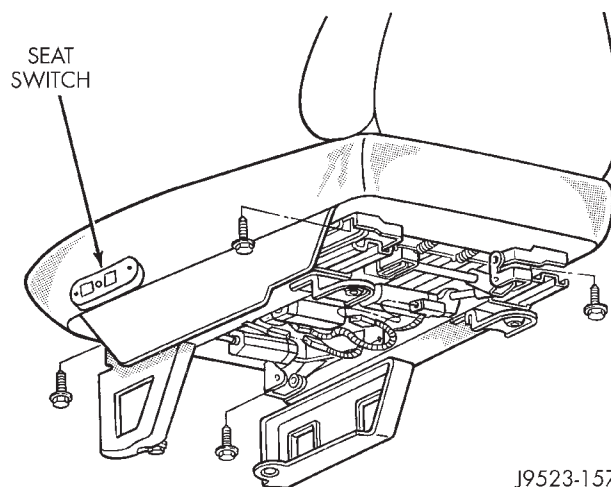
INSTALLATION

- (1) Position cushion cover on cushion and roll cover over front and rear corners.
- (2) Secure front J-Strap (Fig. 4).
- (3) Install seat back.
- (4) Secure rear J-Strap.
- (5) Secure left and right side J-Straps.
- (6) Verify stitching lines are straight, correct as necessary.

- (7) Install seat track.
- (8) Install seat.

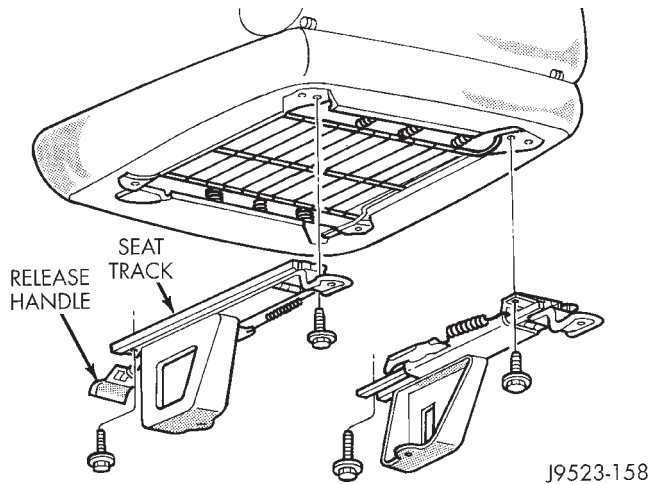
**Fig. 4 J-Strap Installation****SPLIT BENCH SEAT TRACK-STD CAB****REMOVAL**

- (1) Disconnect power seat switch connector, if equipped.
- (2) Remove seat from vehicle.
- (3) Remove bolts attaching center seat to seat frame and remove center seat.
- (4) Remove bolts attaching seat track to seat frame (Fig. 5) and (Fig. 6).

**Fig. 5 Power Seat Track Removal/Installation****INSTALLATION**

- (1) Install bolts attaching seat track to seat frame. Tighten bolts to 25 N·m (18 ft. lbs.) torque.
- (2) Install bolts attaching center seat to seat frame. Tighten bolts to 25 N·m (18 ft. lbs.) torque.
- (3) Install seat.
- (4) Connect power seat switch connector, if equipped.

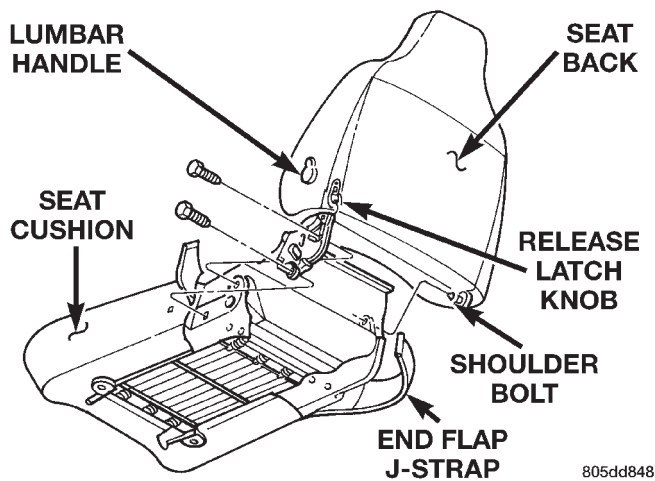
REMOVAL AND INSTALLATION (Continued)

**Fig. 6 Seat Track Removal/Installation**

(5) Power adjuster on power seat must be cycled in all 6 functions to ensure the adjuster is working properly.

SPLIT BENCH SEAT BACK—STD CAB**REMOVAL**

- (1) Disconnect power seat switch connector, if equipped.
- (2) Remove center seat/console armrest.
- (3) Disconnect rear end flap J-Straps and peel back rear J-Strap.
- (4) Remove bolts attaching seat back to seat cushion frame.
- (5) Separate seat back from seat cushion (Fig. 7).

**Fig. 7 Seat Back Removal****INSTALLATION**

- (1) Align seat cushion with seat back and install shoulder bolt through seat back into seat cushion

frame on inboard side. Tighten bolt to 49 N·m (36 ft.lbs.) torque.

(2) Install bolts through seat back latch into seat cushion frame. Tighten bolts to 25 N·m (18 ft.lbs.) torque.

(3) Connect rear end flap J-Straps and pull rear J-Strap up and secure to frame.

(4) Install seat in vehicle.

(5) Connect power seat switch connector, if equipped.

SPLIT BENCH SEAT BACK COVER—STD CAB**REMOVAL**

(1) Using a trim stick or equivalent tool, pry off lumbar handle, if equipped (Fig. 8). (Damage to lumbar handle may occur during removal, verify availability of replacement handle before removing.)

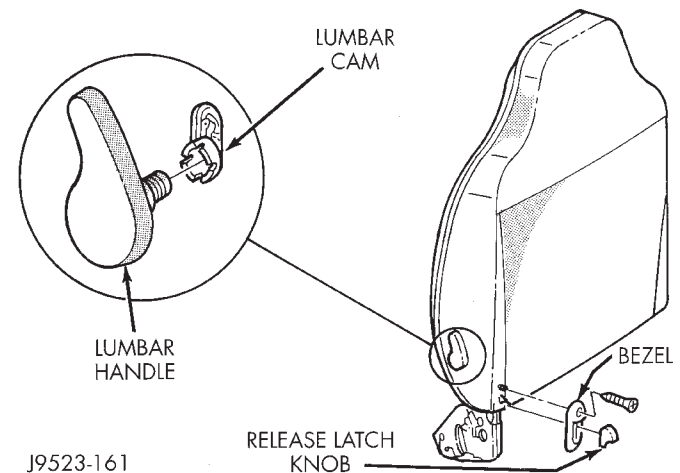
(2) Remove latch release knob (Fig. 8).

(3) Remove latch release bezel.

(4) Disengage J-Straps from base of seat back.

(5) Remove hogrings, if equipped.

(6) With seat back in a normal vertical position, roll cover upwards and remove.

**Fig. 8 Lumbar Handle Removal****INSTALLATION**

(1) With seat back in a normal vertical position, roll cover downwards over seat back.

(2) Install hogrings, if equipped.

(3) Engage J-Straps at base of seat back.

(4) Align lumbar handle with lumbar cam and tap on with rubber mallet until seated.

(5) Install latch release bezel.

(6) Install latch release knob.

(7) Install seat back on seat cushion.

(8) Install seat.

REMOVAL AND INSTALLATION (Continued)

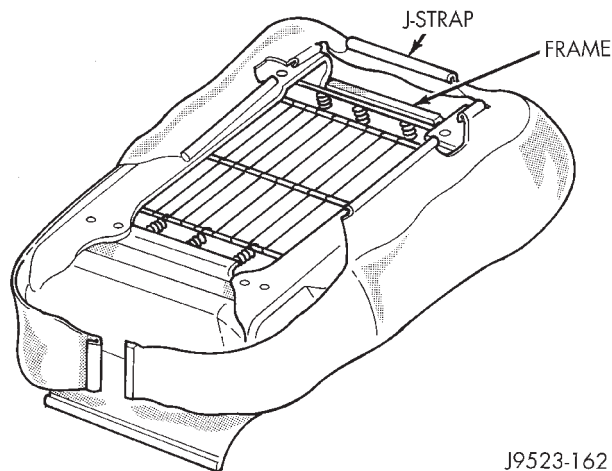
SPLIT BENCH SEAT CUSHION COVER—STD CAB

REMOVAL

- (1) Remove seat from vehicle.
- (2) Remove center seat/console armrest.
- (3) Remove seat tracks.
- (4) Remove left and right J-straps.
- (5) Remove seat back.
- (6) Position seat cushion on a suitable work surface with frame side up.
- (7) Remove rear J-strap.
- (8) Remove front J-strap.
- (9) Roll cushion cover off of foam cushion.

INSTALLATION

- (1) Position cushion cover on cushion and roll cover over front and rear corners. Verify stitching lines are straight, correct as necessary.
- (2) Pull front J-strap up, align cover to foam notches and secure front J-strap to frame (Fig. 9).
- (3) Install seat back.
- (4) Pull the left J-strap up and secure to frame. Verify cover is straight.
- (5) Pull the right side J-strap up and secure to frame.
- (6) Install seat tracks.
- (7) Install seat.



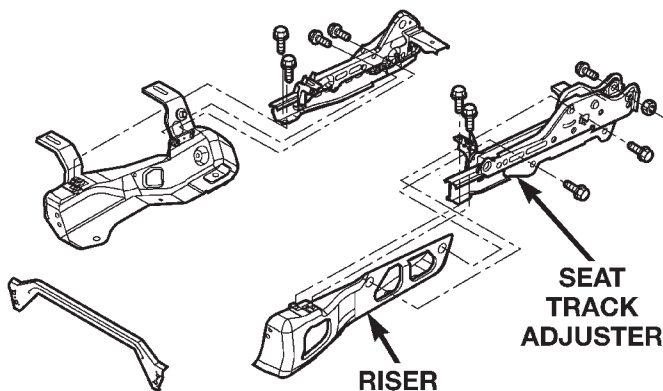
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Fig. 9 J-Strap Installation

FRONT SEAT RISER—QUAD CAB

REMOVAL

- (1) Disconnect seat harness connector.
- (2) Remove the seat from the vehicle.
- (3) Remove the bolts attaching the seat track adjuster to the seat riser (Fig. 10).
- (4) Separate the seat track adjuster from the riser.



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Fig. 10 Seat Riser

INSTALLATION

- (1) Position the seat track adjuster on the riser.
- (2) Install the bolts attaching the seat track adjuster to the seat riser. Tighten front bolts to 17 N·m (12 ft. lbs.) torque. Tighten rear inboard bolt to 22 N·m (16 ft. lbs.) torque. Tighten rear outboard bolt to 45 N·m (33 ft. lbs.) torque.
- (3) Install the seat in the vehicle.
- (4) Connect seat harness connector.

FRONT SEAT TRACK ADJUSTER—QUAD CAB

REMOVAL

- (1) Disconnect seat harness connector.
- (2) Remove seat from vehicle.
- (3) Remove bolts attaching center seat to seat frame and remove center seat.
- (4) Disconnect seat belt control timer module harness connector (SCTM).
- (5) Remove bolts attaching seat track adjuster to riser (Fig. 10).
- (6) Remove bolts attaching seat track adjuster to seat frame.

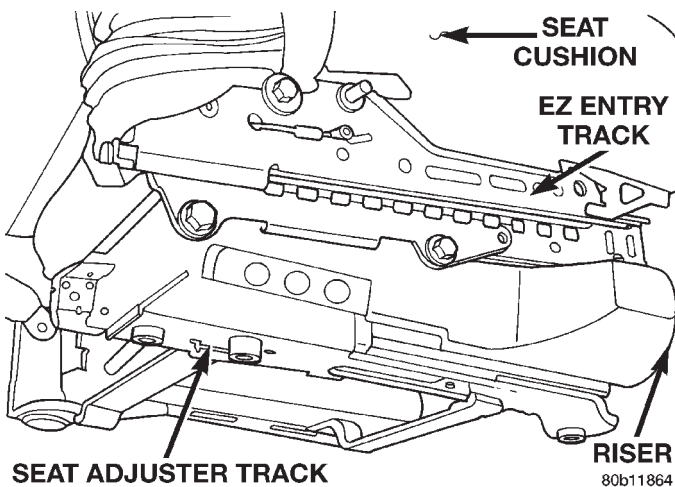
INSTALLATION

- (1) Install bolts attaching seat track adjuster to seat frame. Tighten recliner bolt to seat track adjuster to 45 N·m (33 ft. lbs.) torque. Tighten inboard and outboard pivot bolts to 51 N·m (37 ft. lbs.) torque.
- (2) Install bolts attaching seat track adjuster to riser.
- (3) Install center seat to seat frame.
- (4) Connect seat belt control timer module harness connector (SCTM).
- (5) Install seat in vehicle.
- (6) Connect seat harness connector.

REMOVAL AND INSTALLATION (Continued)

EZ ENTRY SEAT TRACK—CLUB CAB**REMOVAL**

- (1) Remove front passenger seat.
- (2) Remove recliner handle.
- (3) Remove side shield.
- (4) Disengage seat track latch release cables.
- (5) Remove bolts attaching seat track/riser to EZ entry seat track (Fig. 11).
- (6) Remove screws attaching EZ entry track to seat cushion frame.
- (7) Remove nut attaching inboard seat belt buckle to EZ entry seat track.
- (8) Remove nut attaching seat/shoulder belt to EZ entry seat track.
- (9) Remove bolts attaching recliner/seat back to EZ entry seat track.
- (10) Remove inboard seat back pivot bolt.
- (11) Disengage latch release cable from pulley.
- (12) Separate EZ entry seat track from seat back.

**Fig. 11 EZ Entry Seat Track****INSTALLATION**

- (1) Position inboard EZ entry seat track at seat back.
- (2) Engage latch release cable around pulley.
- (3) Install bolts attaching recliner/seat back to EZ entry seat track. Tighten bolts to 45 N·m (33 ft. lbs.) torque.
- (4) Install inboard seat back pivot bolt. Tighten bolt to 50 N·m (36 ft. lbs.) torque.
- (5) Install nut attaching inboard seat belt buckle to EZ entry seat track. Tighten nut to 45 N·m (33 ft. lbs.) torque.
- (6) Install screws attaching EZ entry track to seat cushion frame. Tighten screws to 25 N·m (18 ft. lbs.) torque.
- (7) Install bolts attaching seat track/riser to EZ entry seat track. Tighten front bolts to 17 N·m (12 ft. lbs.) torque. Tighten rear inboard bolts to 21 N·m (16

ft. lbs.) torque. Tighten rear outboard bolts to 45 N·m (33 ft. lbs.) torque.

- (8) Engage seat track latch release cables.
- (9) Install front passenger seat.
- (10) Install nut attaching seat/shoulder belt to EZ entry seat track. Tighten nut to 45 N·m (33 ft. lbs.) torque.
- (11) Install side shield.
- (12) Install recliner handle.

FRONT SEAT BACK—QUAD CAB**REMOVAL**

- (1) Remove screw attaching recliner handle and pull handle to remove.
- (2) Remove seat dump handle, 2-door "BE" vehicles only.
- (3) Remove screws attaching side shield to seat track adjuster.
- (4) Remove seat dump handle.
- (5) Pull shoulder belt out completely and clamp shoulder belt to prevent shoulder belt from retracting (Fig. 12).
- (6) Remove shoulder belt anchor bolt.
- (7) From the underside of the seat, remove the inboard pivot bolt (Fig. 13).
- (8) From the underside of the seat, disengage the seat/shoulder belt harness connector

WARNING: DO NOT REMOVE UPPER RECLINER HANDLE, PULL ON UPPER RECLINER HANDLE OR RECLINER CABLE END. THE RECLINER LEAD SCREW IS SPRING LOADED AND WILL EJECT IF EITHER THE HANDLE OR CABLE IS PULLED BEFORE THE LEAD SCREW IS REMOVED.

- (9) Remove clip attaching recliner cable (Fig. 14) to seat track adjuster and separate the cable from the seat track adjuster.
- (10) Remove the inboard and outboard pivot bolts attaching the frame to the seat track adjuster (Fig. 15).
- (11) Remove recliner lower bolt.
- (12) Separate seat back from seat track adjuster.

INSTALLATION

- (1) Position seat back on seat track adjuster.
- (2) Install the inboard and outboard pivot bolts attaching the frame to the seat track adjuster (Fig. 15).
- (3) Install the bolt attaching the lower recliner to the seat track adjuster.
- (4) Position the recliner cable on seat track adjuster and install **new** clip.
- (5) From the underside of the seat, engage the seat/shoulder belt harness connector.

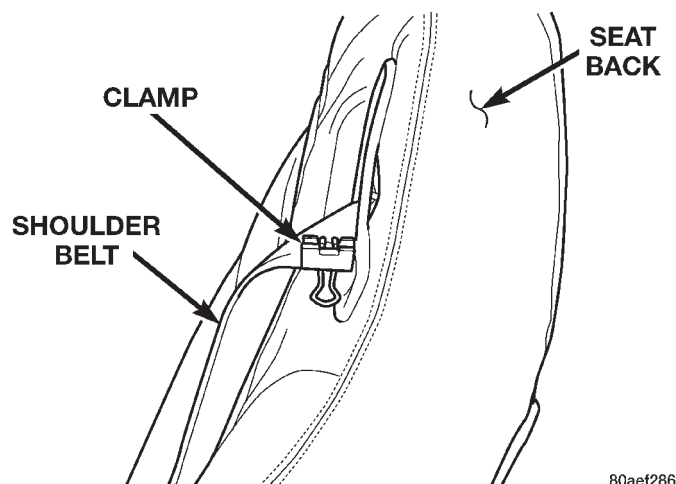


Fig. 12 Shoulder Belt Clamp

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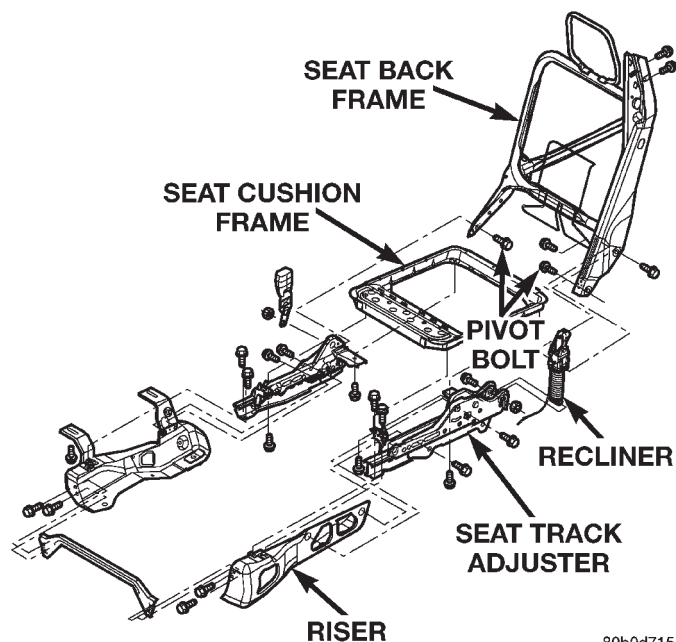


Fig. 13 Pivot Bolt

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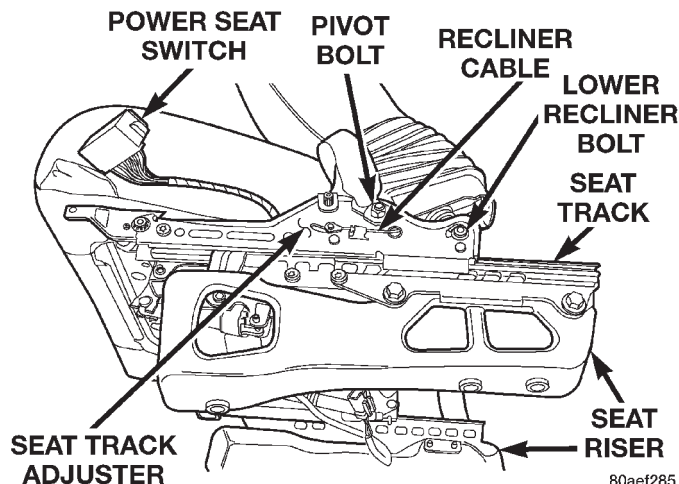


Fig. 14 Recliner Cable

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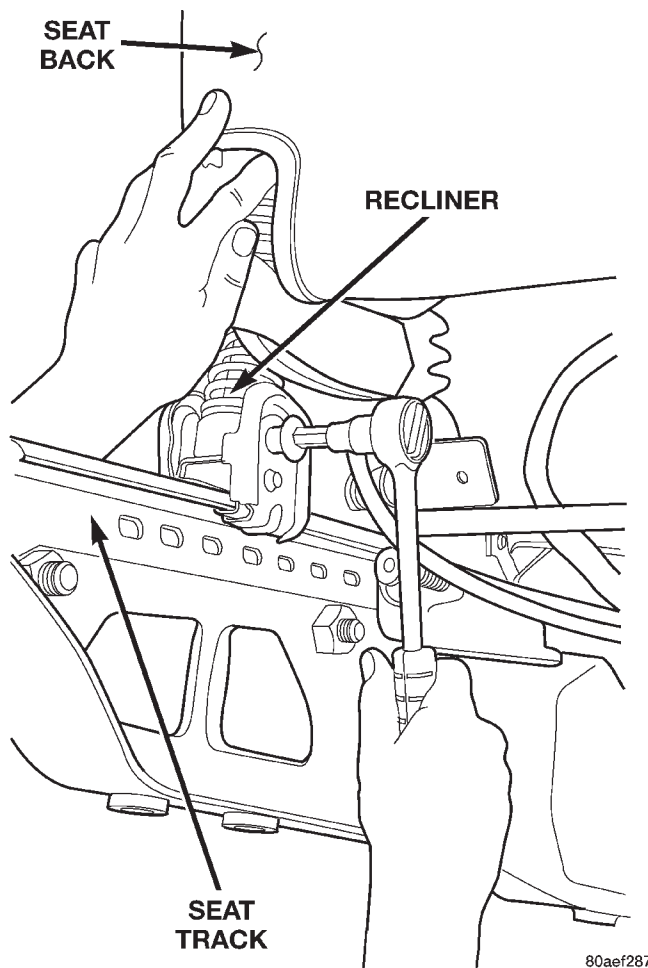


Fig. 15 Recliner

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- (6) Install shoulder belt anchor bolt. Tighten bolt to 45 N·m (33 ft. lbs.) torque.
- (7) Remove clamp (Fig. 12).
- (8) Install side shield.
- (9) Install recliner handle.
- (10) Install seat dump handle, if removed.

FRONT SEAT RECLINER—QUAD CLUB

REMOVAL

- (1) Remove seat back.
- (2) Disengage J-straps at base of seat back and roll seat back cover upward to access rubber bellows push-in fasteners.

NOTE: Notice the routing of the recliner cable for installation.

- (3) Remove the push-in fasteners attaching upper rubber bellows to the seat back frame.
- (4) Remove rubber bellows.
- (5) Remove seat dump handle, 2-door "BE" vehicles only.

REMOVAL AND INSTALLATION (Continued)

WARNING: Do not pull on upper recliner handle or recliner cable end. The recliner lead screw is spring loaded and will eject if either the handle or cable is pulled before the lead screw is removed.

(6) Remove the bolts attaching upper recliner to seat back frame (Fig. 16).

Separate the recliner from the seat back.

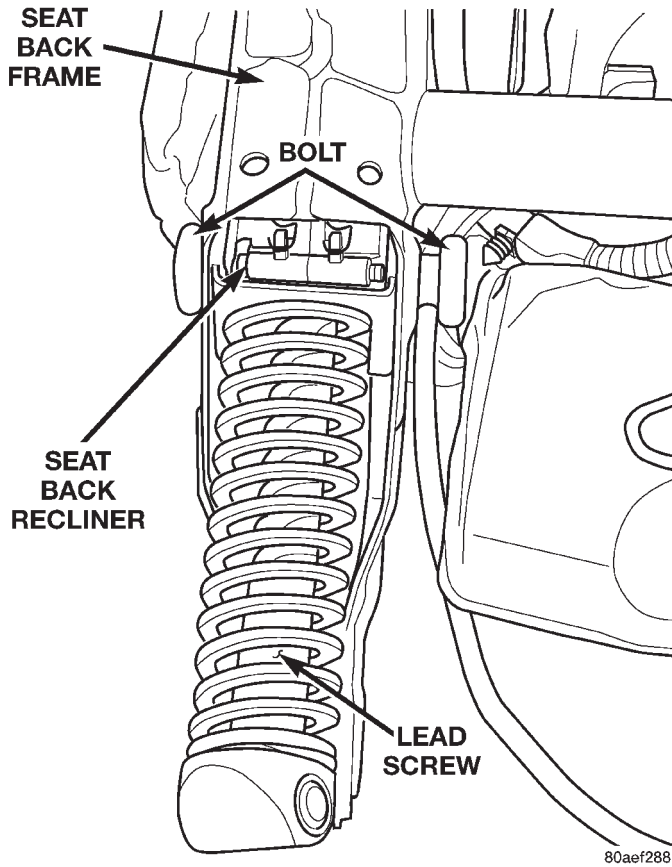


Fig. 16 Seat Back Recliner

INSTALLATION

- (1) Install seat dump handle, if removed. Position the recliner in the seat back.
- (2) Install the bolts attaching upper recliner to seat back frame (Fig. 16).
- (3) Install rubber bellows.
- (4) Roll seat back cover upward and engage J-straps at base of seat back.
- (5) Ensure recliner cable is correctly routed.
- (6) Install seat back.

FRONT SEAT CUSHION—QUAD CAB

REMOVAL

The seat cushion can be removed with the seat in the vehicle.

- (1) From the underside of the seat, remove the bolts attaching the cushion frame to the mounting brackets.
- (2) Remove the cushion from the seat tracks.

INSTALLATION

- (1) Position the cushion frame on the seat tracks.
- (2) Ensure that the cushion frame is aligned with the mounting brackets (Fig. 17).
- (3) Install the bolts attaching the seat cushion frame to the mounting brackets. Tighten bolts to 25 N·m (18 ft. lbs.) torque.

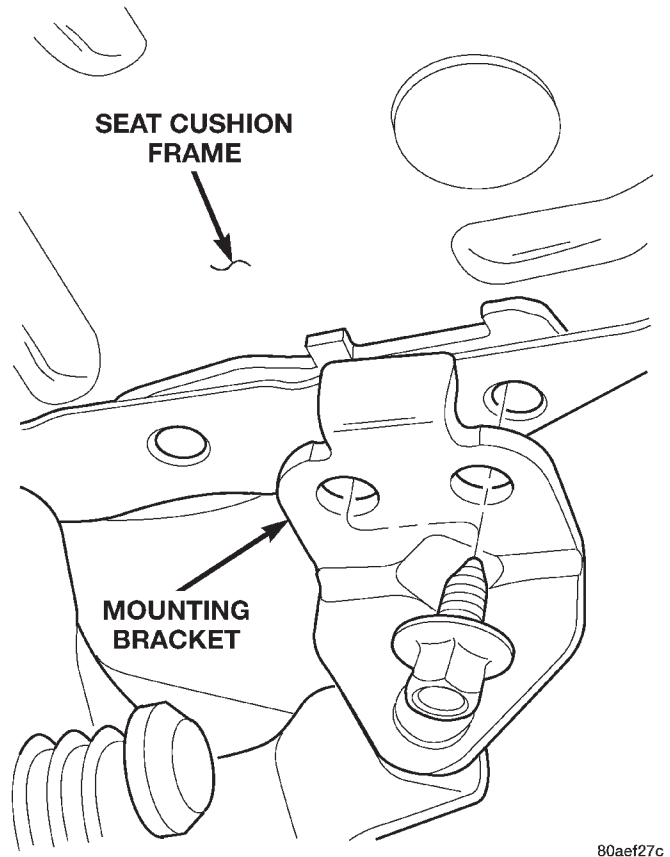


Fig. 17 Seat Cushion Mounting Frame

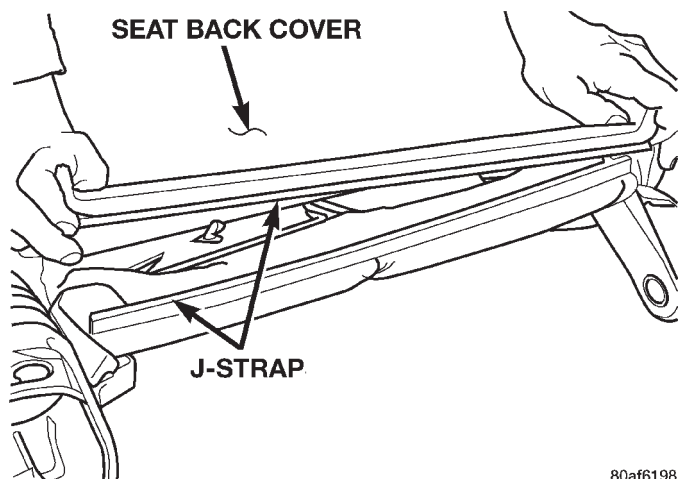
FRONT SEAT BACK COVER—QUAD CAB

REMOVAL

- (1) Remove recliner handle.
- (2) Remove dump handle, if equipped.
- (3) Remove side shield.
- (4) Clamp belt to prevent from retracting.
- (5) Remove the bolt attaching the seat belt anchor to the seat track adjuster.
- (6) Remove the assist handle on the backside of the seat, if equipped.
- (7) Disengage the J-strap at the base of the seat back (Fig. 18).
- (8) Roll cover upward.
- (9) Disengage hog rings attaching the cover to the seat back frame (Fig. 19).
- (10) Using a trim stick, carefully pry shoulder belt guide bezel from seat back.
- (11) Route the shoulder belt and guide bezel through the seat back cover.

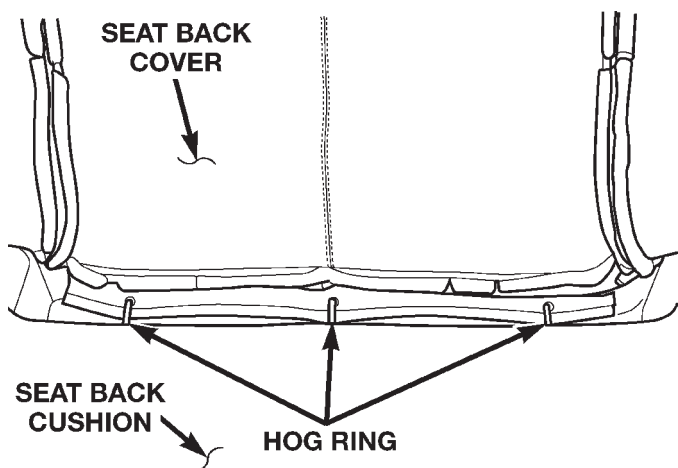
REMOVAL AND INSTALLATION (Continued)

(12) Roll the cover upward and separate from the seat back.



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Fig. 18 Seat Back J-Strap



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Fig. 19 Seat Back Hog Rings

INSTALLATION

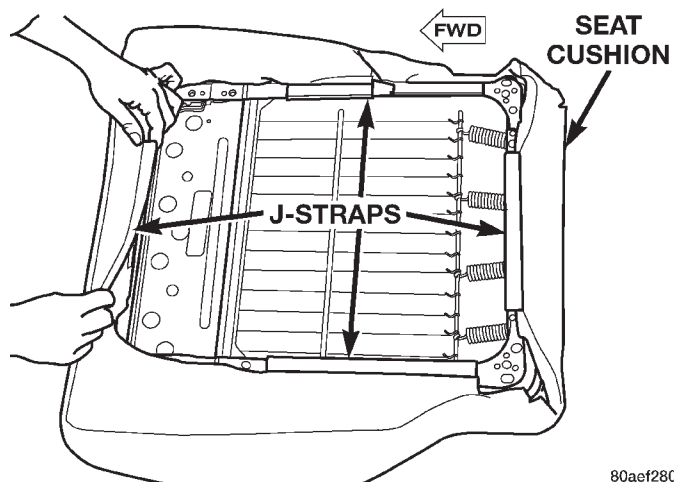
- (1) Position the seat back cover on the seat back and roll the cover downward.
- (2) Route the shoulder belt and guide bezel through the seat back cover.
- (3) Engage hog rings attaching the cover to the seat back frame.
- (4) Align the shoulder belt guide bezel and press into place.
- (5) Roll cover downward.
- (6) Engage the J-strap at the base of the seat back.
- (7) Install the assist handle on the backside of the seat, if equipped.

- (8) Install the bolt attaching the seat belt anchor to the seat track adjuster.
- (9) Install side shield.
- (10) Install dump handle, if equipped.
- (11) Install recliner handle.

FRONT SEAT CUSHION COVER—QUAD CAB

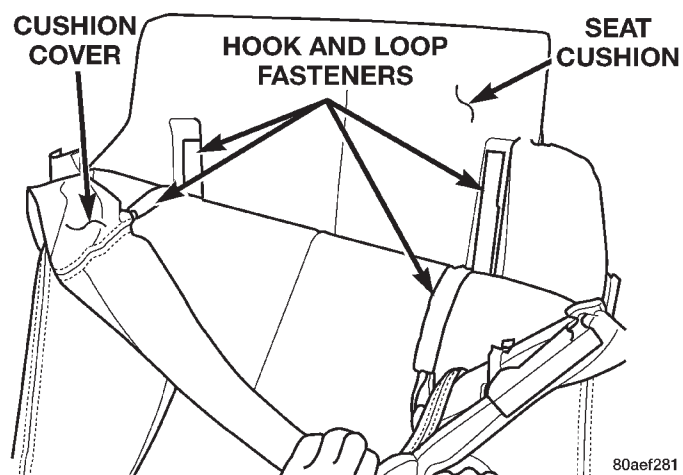
REMOVAL

- (1) Remove seat cushion.
- (2) Disengage the J-straps attaching the cushion cover to the cushion frame (Fig. 20).
- (3) Peel the cushion cover and disengage the hook and loop fasteners (Fig. 21).
- (4) Disengage the hog rings attaching the cushion cover to the cushion frame (Fig. 22).
- (5) Separate the cover from the cushion.



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Fig. 20 Seat Cushion J-Straps



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Fig. 21 Seat Cushion Cover Hook and Loop

REMOVAL AND INSTALLATION (Continued)

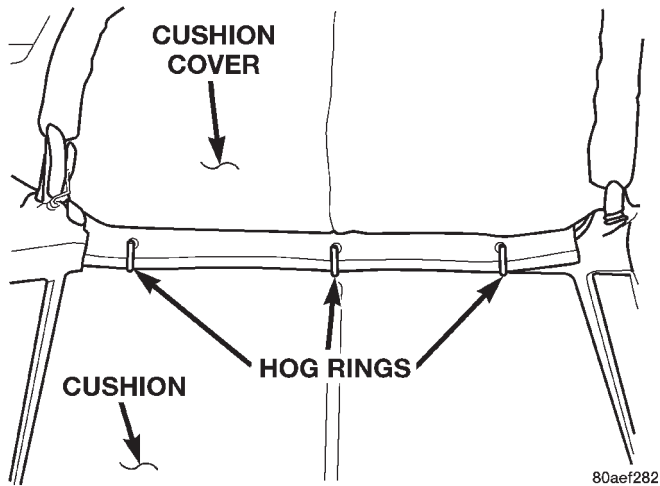


Fig. 22 Seat Cushion Cover Hog Rings

INSTALLATION

- (1) Position the cover on the cushion.
- (2) Engage the hog rings attaching the cushion cover to the cushion frame.
- (3) Engage the hook and loop fasteners.
- (4) Engage the J-straps attaching the cushion cover to the cushion frame.
- (5) Install seat cushion.

BODY COMPONENT SERVICE

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GENERAL INFORMATION

INTERIOR TRIM PANELS

CAUTION: Do not attempt to remove interior trim panels/mouldings without first removing the necessary adjacent panels.

To avoid damaging the panels, ensure that all the screws and clips are removed before attempting to remove an interior trim panel/moulding. **Trim panels are somewhat flexible but can be damaged if handled improperly.**

REMOVAL AND INSTALLATION

GRILLE

REMOVAL

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove bolt holding bottom of grille to frame.
- (4) Remove bolts holding sides of grille to frame.
- (5) Remove nuts holding grille to hood (Fig. 1).
- (6) Separate grille from vehicle.

INSTALLATION

Reverse the preceding operation.

GRILLE FRAME

REMOVAL

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove bolts holding guide loop for hood safety catch release rod to grille frame.
- (4) Remove grille.
- (5) Remove screws holding grille frame to hood (Fig. 2).

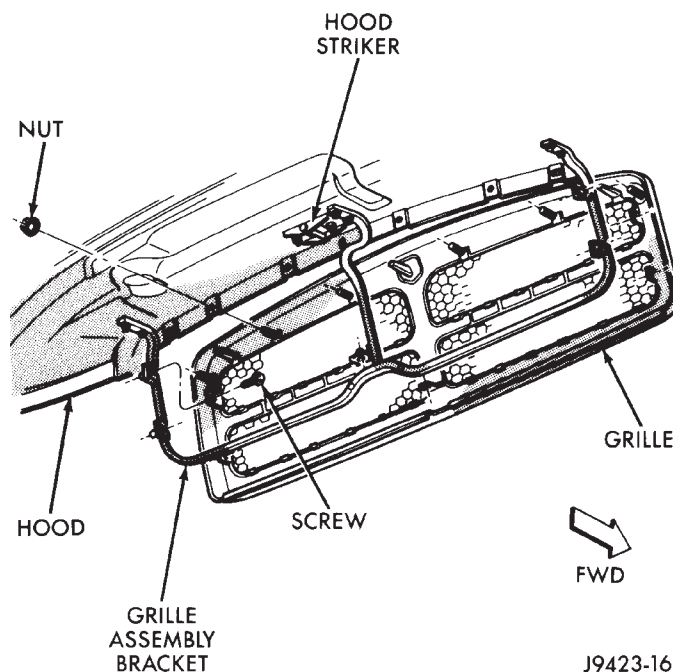


Fig. 1 Grille

- (6) Separate grille frame from vehicle.

INSTALLATION

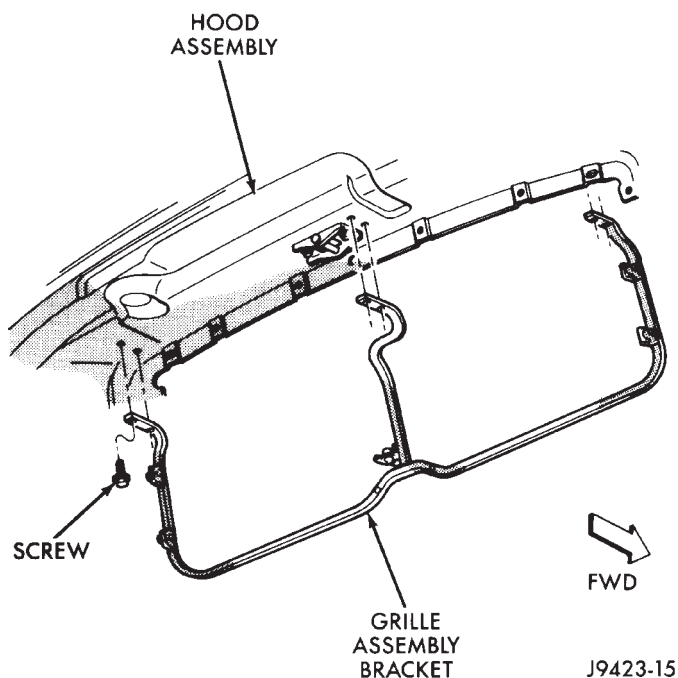
Reverse the preceding operation.

HOOD

REMOVAL

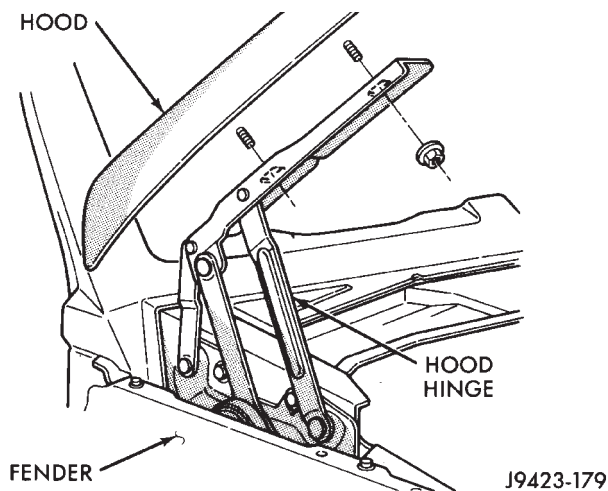
- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Disconnect the under hood lamp wire connector.
- (4) Mark all bolt and hinge attachment locations with a grease pencil or other suitable device to provide reference marks for installation.

REMOVAL AND INSTALLATION (Continued)

**Fig. 2 Grille Mounting Frame**

(5) Remove the top hood to hinge attaching bolts and loosen the bottom bolts until they can be removed by hand (Fig. 3).

(6) With assistance of a helper at the opposite side of the vehicle to support the hood, remove the bottom hood to hinge attaching bolts. Separate the hood from the vehicle.

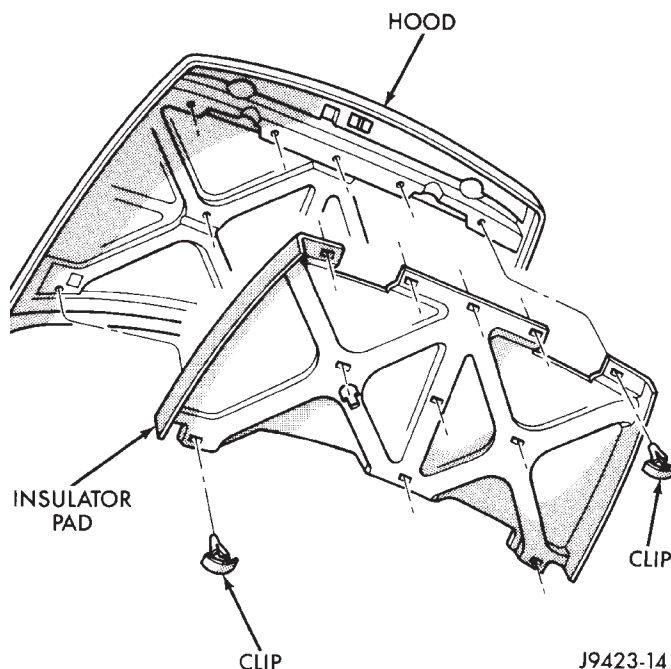
**Fig. 3 Hood****INSTALLATION**

Align all marks and secure bolts. The hood should be aligned to 5 mm (0.2 in.) gap to the front fenders and flush across the top surfaces along fenders.

Reverse the preceding operation.

HOOD SILENCER**REMOVAL**

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove push-in fasteners holding silencer to hood (Fig. 4).
- (4) Separate hood silencer from vehicle.

**Fig. 4 Hood Silencer****INSTALLATION**

Reverse the preceding operation.

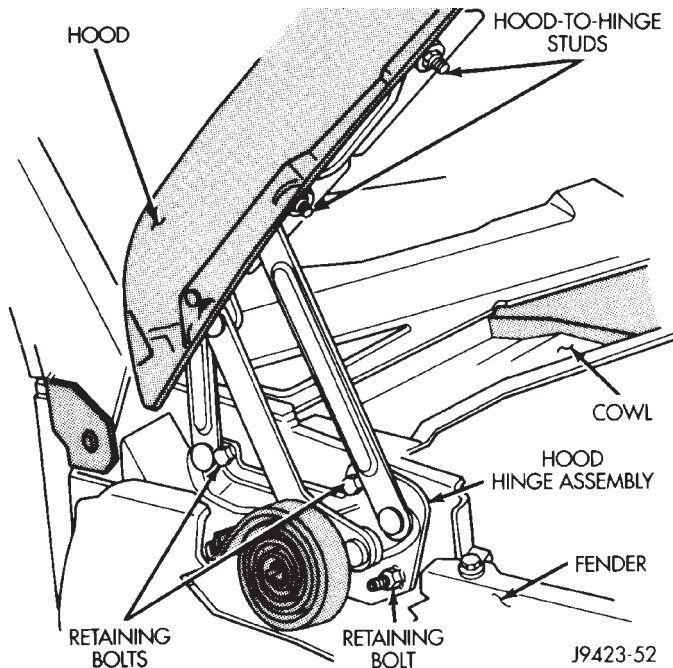
HOOD HINGE**REMOVAL**

- (1) Open hood and support the side that requires hinge replacement.
- (2) Mark all bolt and hinge attachment locations with a grease pencil or other suitable device to provide reference marks for installation. When installing hood hinge, align all marks and secure bolts. The hood should be aligned to 5 mm (0.2 in.) gap to the front fenders and flush across the top surfaces along fenders. Shims can be added or removed under hood hinge to achieve proper hood height.
- (3) Remove hood to hinge attaching bolts (Fig. 5).
- (4) Remove hood hinge to cowl panel attaching bolts and separate hinge from vehicle.

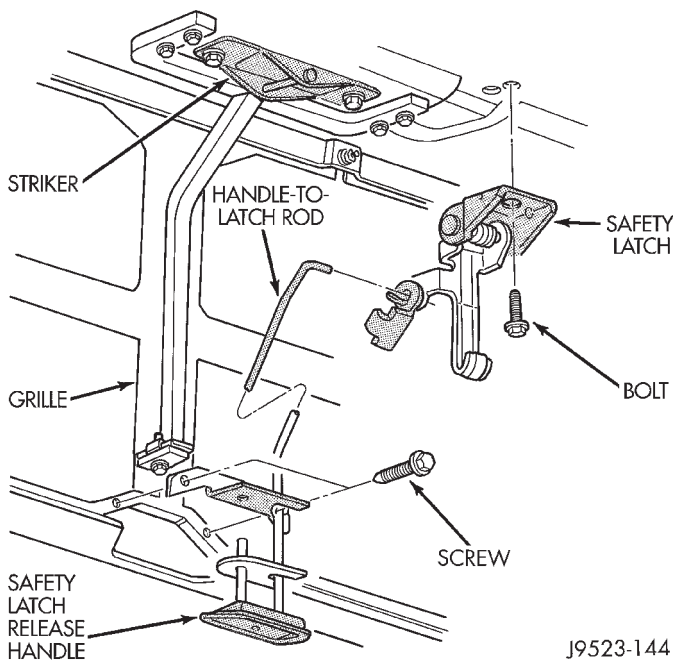
INSTALLATION

Reverse the preceding operation. If necessary, paint new hinge before installation.

REMOVAL AND INSTALLATION (Continued)

**Fig. 5 Hood Hinge****HOOD SAFETY CATCH****REMOVAL**

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove bolts holding hood safety catch to hood (Fig. 6).
- (4) Separate safety catch from vehicle.

**Fig. 6 Hood Safety Catch and Latch Striker****INSTALLATION**

Reverse the preceding operation.

HOOD LATCH STRIKER**REMOVAL**

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove bolts holding hood latch striker to hood (Fig. 6).
- (4) Separate hood latch striker from vehicle.

INSTALLATION

Reverse the preceding operation.

HOOD LATCH**REMOVAL**

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove bolts holding hood latch to radiator closure panel crossmember (Fig. 7).
- (4) Separate hood latch from crossmember.
- (5) Disconnect release cable from hood latch.

INSTALLATION

Reverse the preceding operation.

HOOD RELEASE CABLE**REMOVAL**

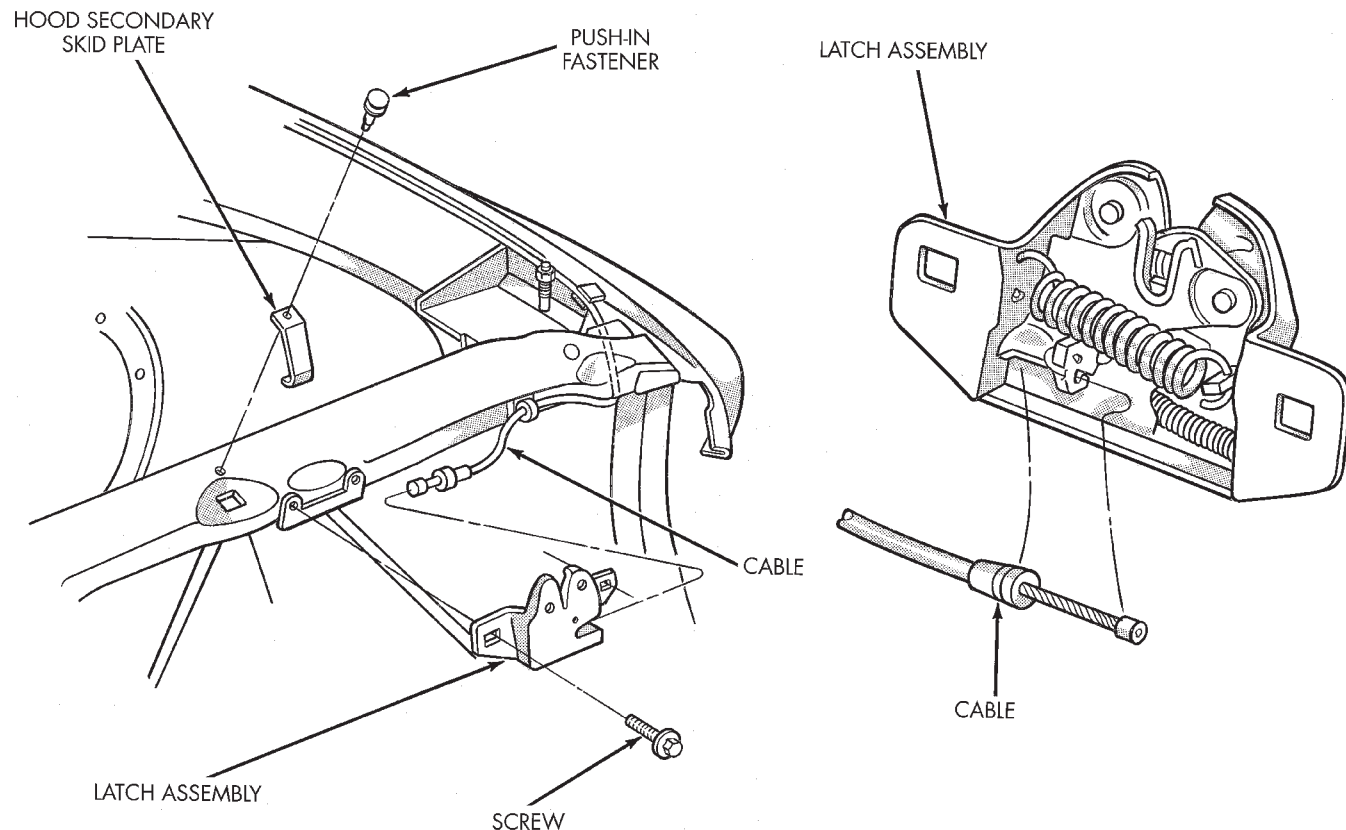
- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove hood latch.
- (4) Disconnect release cable from hood latch.
- (5) Detach the release cable from the retainer clips in the engine compartment.
- (6) Separate the release cable grommet from the dash panel hole.
- (7) From the inside of the vehicle, remove the screws attaching the hood release handle to the bottom of the instrument panel.
- (8) Pull/route the hood release cable through the dash panel hole and remove it via the inside of the vehicle.

INSTALLATION

NOTE: If replacement hood latch is also being installed, ensure that it is thoroughly lubricated.

- (1) From inside the vehicle, pull/route the hood release cable through the dash panel hole and into the engine compartment.
- (2) Install the hood release handle.
- (3) Install the cable grommet in the dash panel hole.
- (4) Attach the release cable to the retainer clips in the engine compartment.
- (5) Attach release cable to hood latch.
- (6) Install hood latch.

REMOVAL AND INSTALLATION (Continued)



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Fig. 7 Hood Latch

(7) Test the hood latch release cable for proper operation.

COWL COVER**REMOVAL**

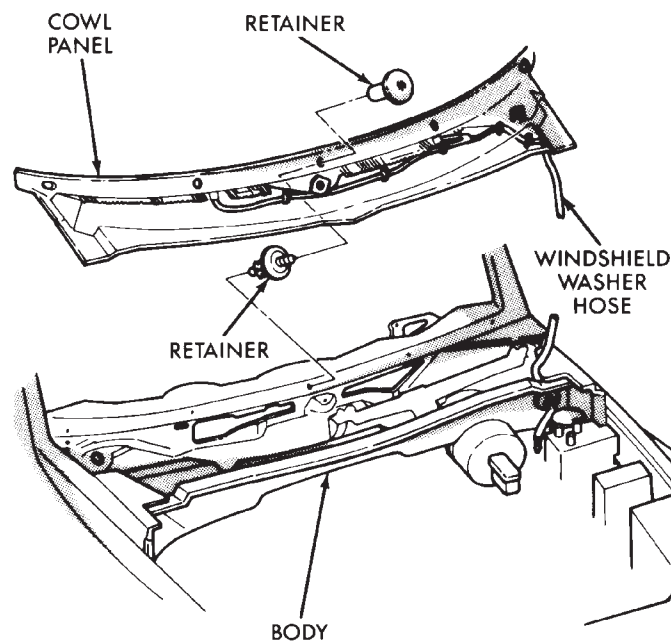
- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove wiper arms, refer to Group 8K, Windshield Wipers and Washers.
- (4) Disconnect windshield washer tubing from coupling near left hood hinge.
- (5) Remove retainers holding cowl cover to cowl box (Fig. 8).
- (6) Pull cowl seal from pinch flange a front of cowl.
- (7) Separate cowl cover from vehicle.

INSTALLATION

Reverse the preceding operation.

FRONT WHEELHOUSE LINER**REMOVAL**

- (1) Hoist and support vehicle on safety stands.
- (2) Remove front wheel.
- (3) Remove plastic rivets holding wheelhouse liner to fender at the edge of wheel opening.

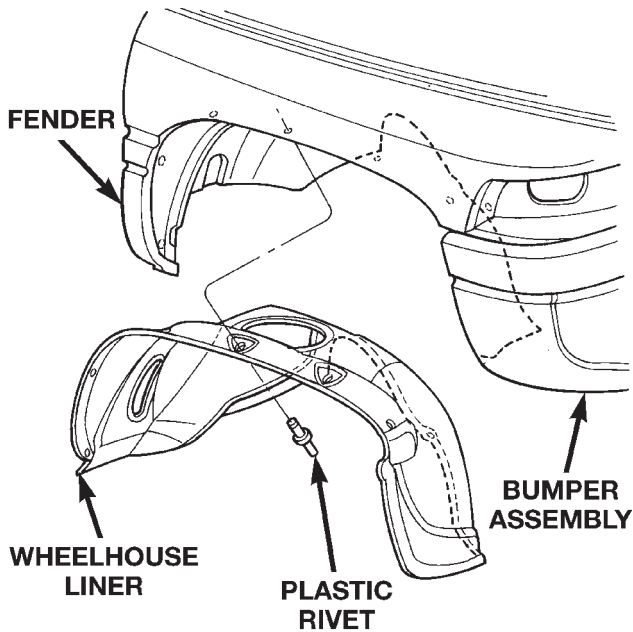


J9423-99

Fig. 8 Cowl Cover

- (4) Remove plastic rivets holding liner to the wheelhouse (Fig. 9).
- (5) Separate front wheelhouse liner from vehicle.

REMOVAL AND INSTALLATION (Continued)



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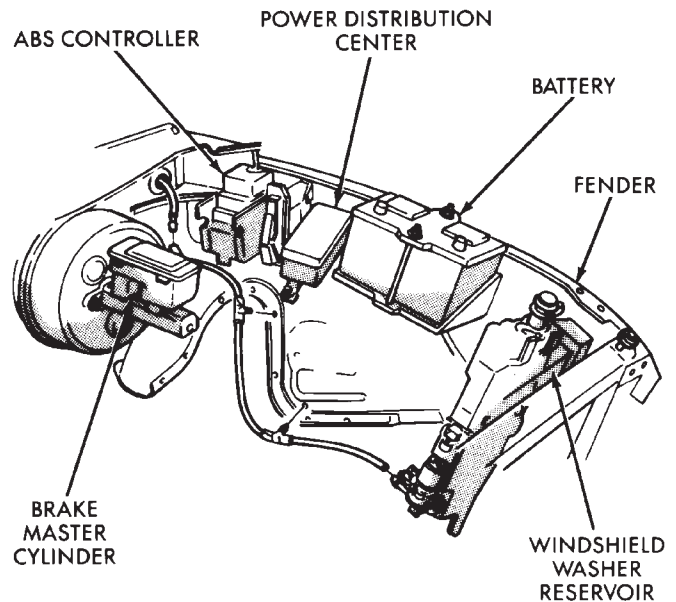
Fig. 9 Front Wheelhouse Liner**INSTALLATION**

Reverse the preceding operation.

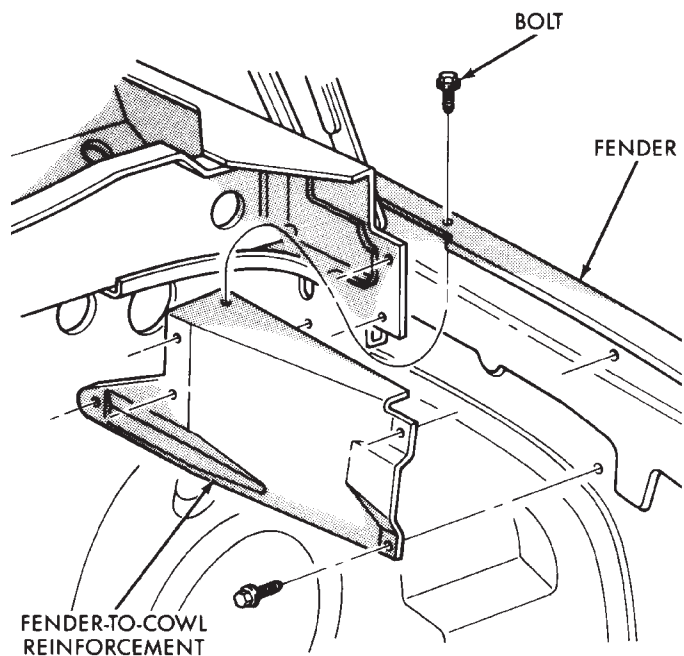
LEFT FRONT FENDER**REMOVAL**

- (1) Release primary hood latch.
- (2) Release hood safety catch and open hood.
- (3) Remove front bumper, refer to Group 13, Bumpers and Frame for procedures.
- (4) Remove air cleaner from wheelhouse (DIESEL ONLY).
- (5) Remove coolant overflow bottle (V-10 ONLY).
- (6) Remove battery and tray, refer to Group 8B, Battery/Starter/Generator Service for procedures.
- (7) Remove screws holding power distribution center to left wheelhouse (Fig. 10).
- (8) Disengage wire harness tie-downs from wheelhouse.
- (9) Disconnect wiring harness to headlamp connector.
- (10) Disconnect wiring harness to airbag sensor and remove airbag sensor from wheelhouse.
- (11) Remove bolts holding anti-lock brake controller to wheelhouse (Fig. 10), if equipped. Refer to Group 5, Brakes for procedures.
- (12) Disengage windshield washer tubing tie-downs from wheelhouse (Fig. 10).
- (13) Remove bolts holding front fender to cowl reinforcement (Fig. 11).
- (14) Remove bolts holding front fender to radiator closure panel (Fig. 12).

- (15) Remove bolts holding bottom of front fender to rocker panel lower flange (Fig. 13).
- (16) Open left door.
- (17) Remove bolt holding front fender to hinge pillar mounting bracket (Fig. 13).
- (18) Remove bolts holding top of fender to radiator closure panel (Fig. 13).
- (19) Separate left front fender from vehicle.



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Fig. 10 Left Front Fender Access Components

J9423-96

Fig. 11 Fender to Cowl Reinforcement—Typical

REMOVAL AND INSTALLATION (Continued)

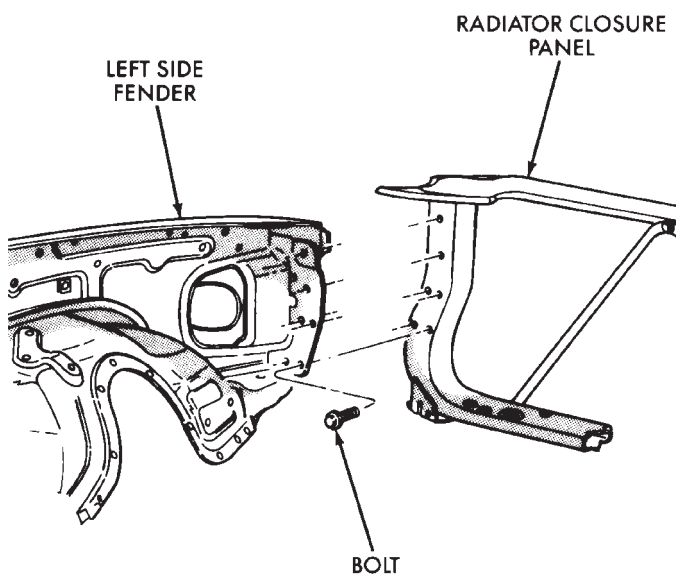


Fig. 12 Left Fender to Radiator Closure Panel Fasteners

J9423-94

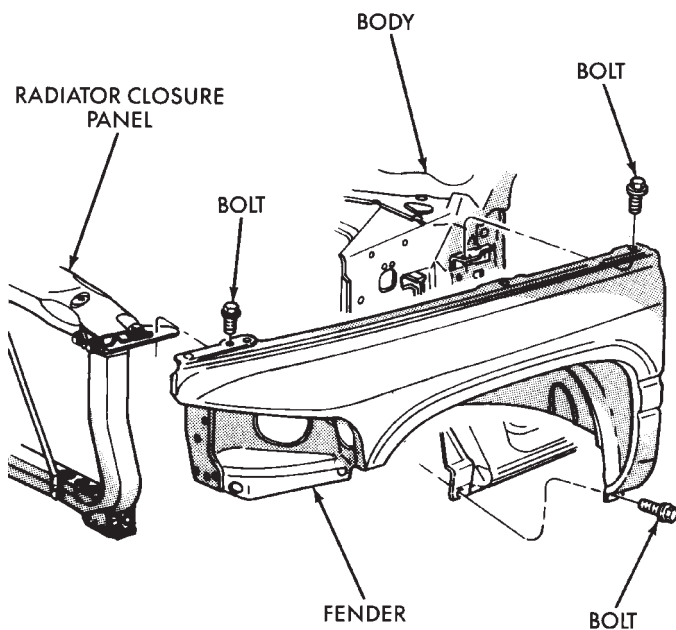


Fig. 13 Left Front Fender

J9423-170

INSTALLATION

Reverse the preceding operation.

RIGHT FRONT FENDER**REMOVAL**
engage

(1) Remove front bumper, refer to Group 13, Bumpers and Frame for procedures.

(2) Remove auxiliary battery and tray on right side, if equipped. Refer to Group 8B, Battery/Starter/Generator Service for procedures.

(3) Disengage wire harness tie-downs from wheelhouse.

(4) Disconnect wiring harness to headlamp connector.

(5) Disconnect wiring harness to airbag sensor and remove airbag sensor from wheelhouse.

(6) Remove front wheelhouse liner (Fig. 9).

(7) Disengage air conditioning tubing from inner fender clips.

(8) Remove bolts holding front fender to cowl reinforcement (Fig. 11).

(9) Remove bolts holding front fender to radiator closure panel (Fig. 14).

(10) Remove bolts holding bottom of front fender to rocker panel lower flange (Fig. 15).

(11) Open right door.

(12) Remove bolt holding front fender to hinge pillar mounting bracket (Fig. 15).

(13) Remove bolts holding top of fender to radiator closure panel (Fig. 15).

(14) Separate right front fender from vehicle.

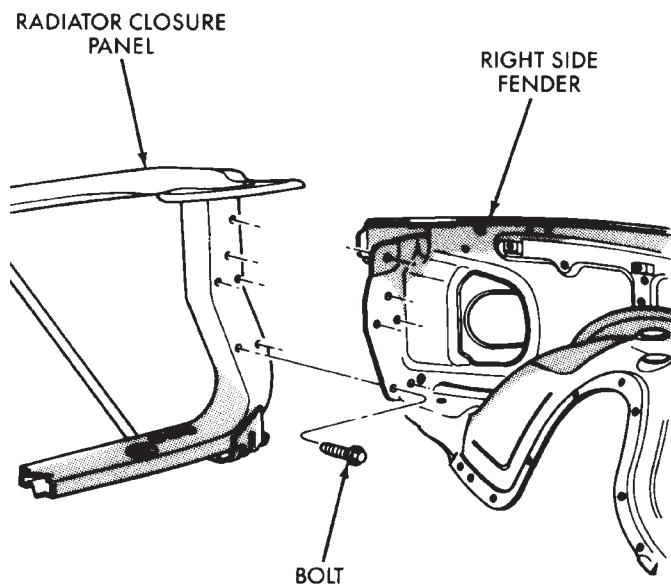


Fig. 14 Right Fender to Radiator Closure Panel Fasteners

J9423-95

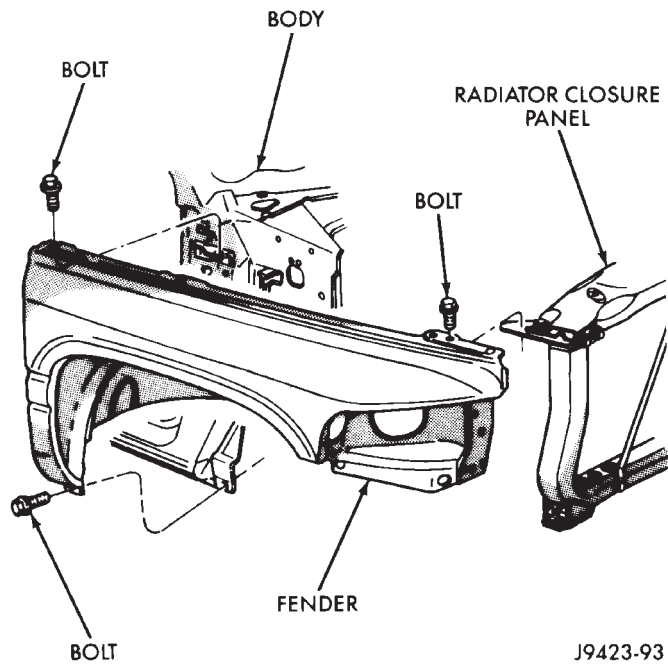
INSTALLATION

Reverse the preceding operation.

EXTERIOR NAMEPLATES**REMOVAL**

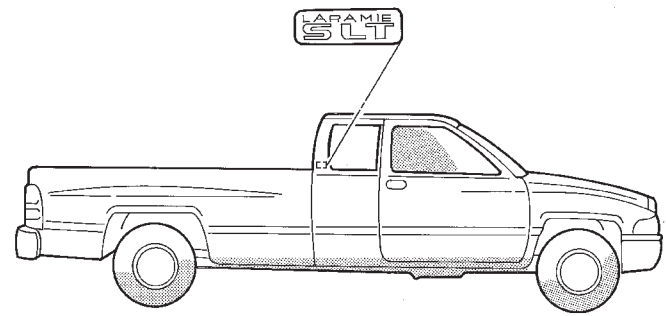
(1) Insert a plastic trim stick or a hard wood wedge behind the emblem to separate the adhesive

REMOVAL AND INSTALLATION (Continued)

**Fig. 15 Right Front Fender**

backing from the body (Fig. 16) and (Fig. 17).

J9423-93



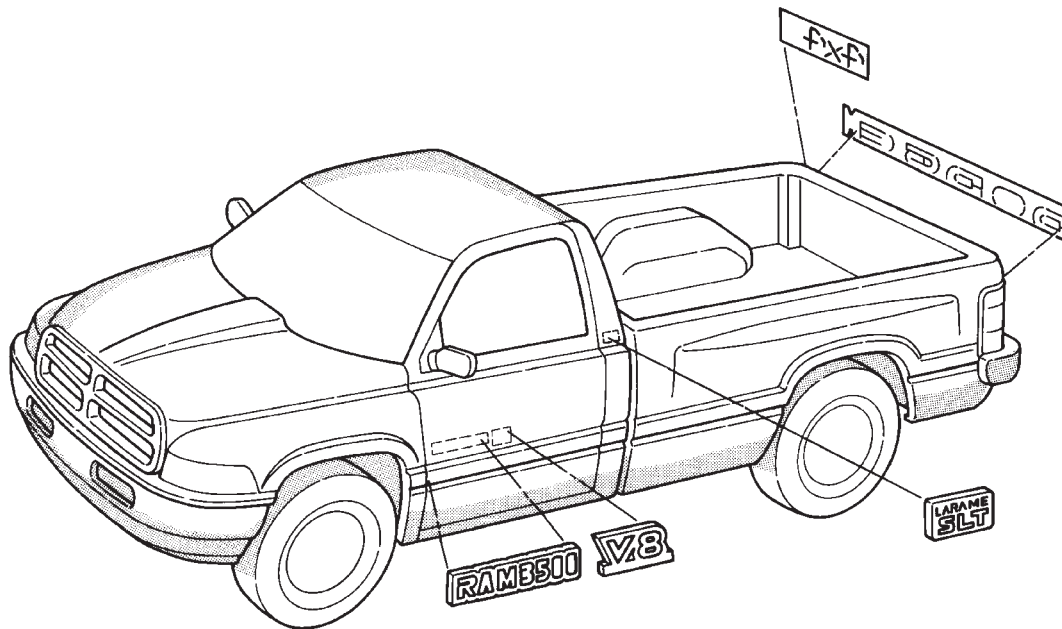
J9523-126

Fig. 17 Exterior Nameplates—Club Cab

(2) Clean adhesive residue from body with MOPAR Super Clean solvent or equivalent.

INSTALLATION

- (1) Remove protective cover from adhesive tape on back of emblem.
- (2) Position emblem properly on body.
- (3) Press emblem firmly to body with palm of hand.
- (4) If temperature is below 21°C (70°F) warm emblem with a heat lamp or gun to assure adhesion. Do not exceed 52°C (120°F) when heating emblem.

**Fig. 16 Exterior Nameplates**

J9423-182

REMOVAL AND INSTALLATION (Continued)

B-PILLAR APPLIQUE

REMOVAL

- (1) Using a heat lamp, warm B-pillar to 38° C (100° F).
- (2) Remove B-pillar secondary seal, BE vehicles only.
- (3) Remove inner and outer belt weatherstrip.
- (4) Remove glass run weatherstrip.
- (5) Using an even pressure pull, peel B-pillar applique away from the B-pillar.

INSTALLATION

Installation equipment needed:

- Lint free applicator cloth
- six inch applicator squeegee
- Piercing pin

- (1) Clean B-pillar using Mopar Super Kleen or equivalent.
- (2) Wipe surface with a lint free cloth.
- (3) Using a heat gun, warm surface to 22°C (70° F).
- (4) Fold down, up/down locator tab (1a or 1b) (Fig. 18) along crease.

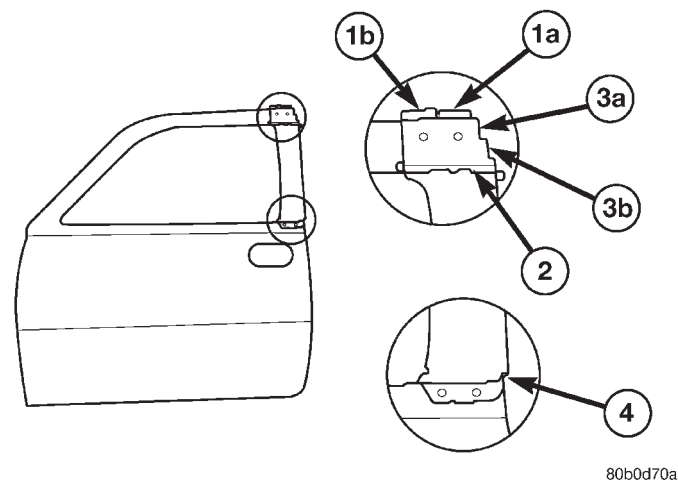


Fig. 18 B-Pillar Applique

1A = Club Cab - Up/Down
1B = Quad Cab - Up/Down
2 = Adhesion Strip
3A = Club Cab - For/Aft
3B= Quad Cab - For/Aft
4 = Rear Edge Locator

- (5) Remove carrier from adhesion strip (2).
- (6) Using up/down locator tab (1a or 1b) and fore/aft locator tab (3a or 3b), position the applique on the upper portion of the B-pillar.
- (7) Using the lower edge locator (4), position the applique on the lower portion of the B-pillar.
- (8) Verify the applique is positioned correctly and press the adhesion strip (2) to the door to temporarily secure it in place.
- (9) Remove the carrier for the applique.
- (10) Holding the applique from the surface, apply firm downward pressure with a six inch applicator squeegee. Ensure the lower rear edge (4) is aligned correctly.
- (11) Wrap edges around door to at least a 90° angle.
- (12) Remove premask by pulling in a firm continuous manner from top down at 180°.
- (13) Complete wrapping applique around the door edges.
- (14) Inspect for air bubbles. Small bubbles can be pierced with a sharp pin and smoothed out.
- (15) Install glass run weatherstrip.
- (16) Install inner and outer belt weatherstrip.
- (17) Install B-pillar secondary seal, BE vehicles only.

SIDEVIEW MIRROR

REMOVAL

- (1) Remove door trim panel.
- (2) Remove mirror flag door seal (Fig. 19).
- (3) Disengage power mirror wire connector from door harness, if equipped (Fig. 20).
- (4) Remove nuts attaching sideview mirror to door frame (Fig. 21).
- (5) Separate harness grommet form door frame, if equipped.
- (6) Separate sideview mirror from vehicle.

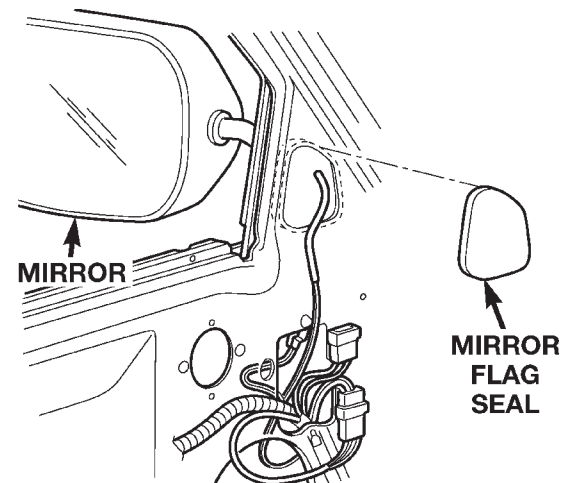
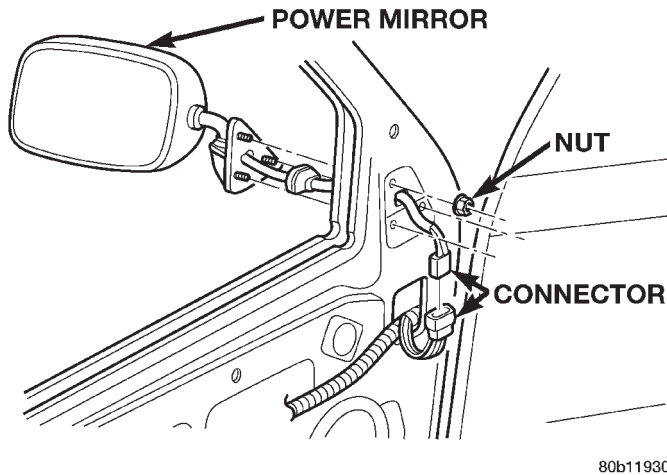
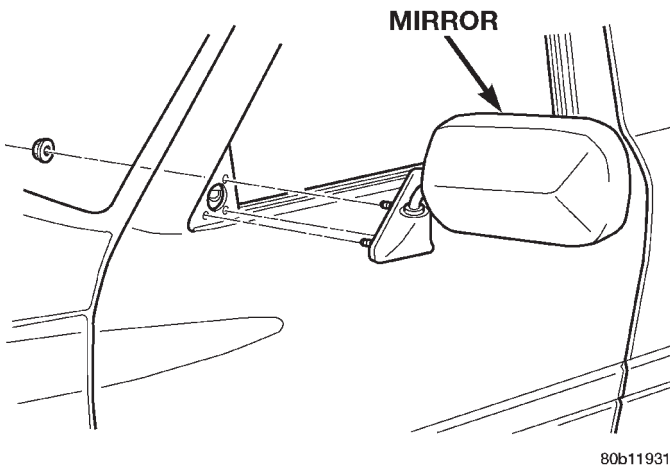


Fig. 19 Mirror Flag Door Seal

REMOVAL AND INSTALLATION (Continued)

**Fig. 20 Sideview Mirror—Power****Fig. 21 Sideview Mirror****INSTALLATION**

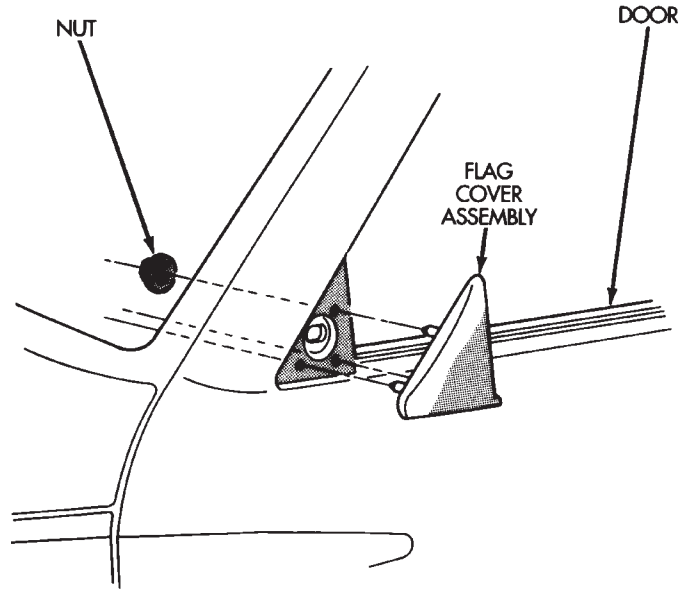
- (1) Position sideview mirror on door.
- (2) Install harness grommet in door frame, if equipped.
- (3) Install nuts attaching sideview mirror to door (Fig. 21).
- (4) Engage power mirror wire connector to harness, if equipped (Fig. 20).
- (5) Install mirror flag door seal (Fig. 19).
- (6) Install door trim panel.

MIRROR FLAG COVER**REMOVAL**

- (1) Remove door trim panel.
- (2) Remove flag door seal.
- (3) Remove nuts holding door flag cover to door frame (Fig. 22).
- (4) Separate flag cover from vehicle.

INSTALLATION

Reverse the preceding operation.

**Fig. 22 Mirror Flag Cover****LOW MOUNTED SIDE VIEW MIRROR****REMOVAL**

- (1) Remove bolts holding lower support legs to outer door panel.
- (2) Remove bolts holding upper support arms to outer door panel (Fig. 23).
- (3) Separate mirror from vehicle.

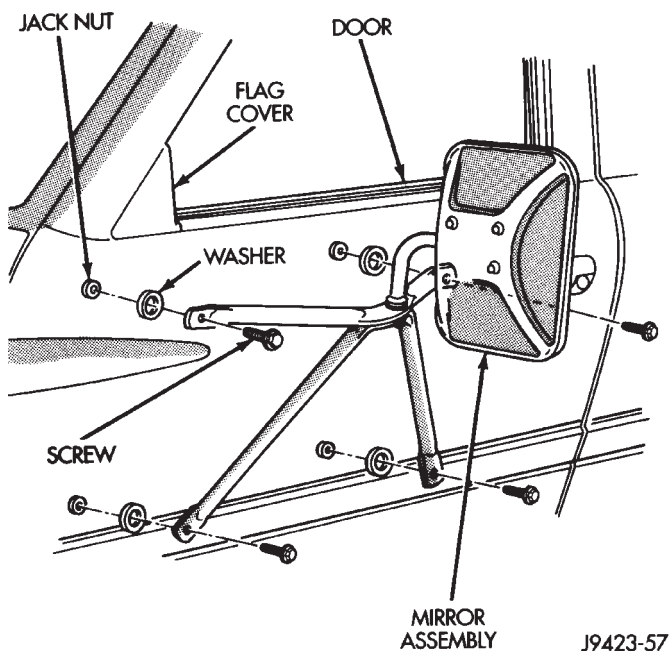
INSTALLATION

Place insulation washers between support frame and painted door panel and reverse the preceding operation.

FRONT DOOR TRIM PANEL**REMOVAL**

- (1) Release door latch and open door.
- (2) Roll window down.
- (3) Remove window crank (Fig. 24), if equipped.
- (4) Remove screws holding door trim panel to door from inside arm rest pull cup (Fig. 25).
- (5) Disengage clips holding power window/lock switch panel to door trim panel (Fig. 26). Disengage wire connectors from switch panel, if equipped.
- (6) Remove screw holding door trim to outside mirror frame.
- (7) Using a trim panel removal tool, disengage clips holding door trim to door around perimeter of trim panel.
- (8) Disengage power mirror wire connector, if equipped.

REMOVAL AND INSTALLATION (Continued)



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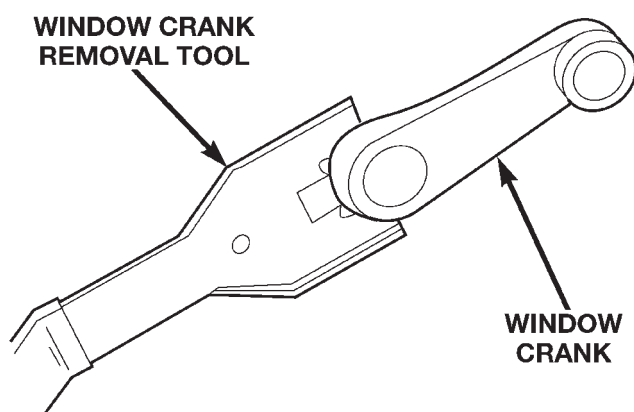
Fig. 23 Low Mounted Side View Mirror

(9) While holding bottom of trim panel away from door, simultaneously lift upward and forward.

(10) Separate door trim panel from inner belt weatherstrip.

(11) Disengage power outside mirror wire connector from control switch.

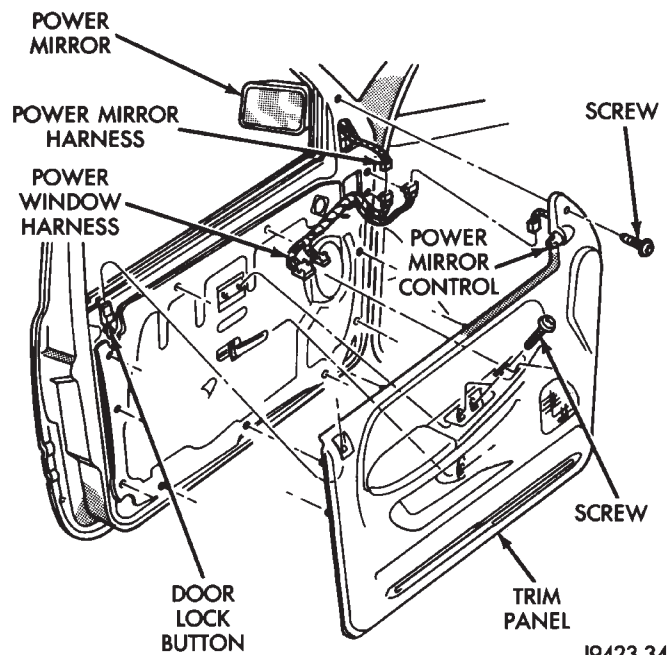
(12) Separate door trim panel from vehicle.



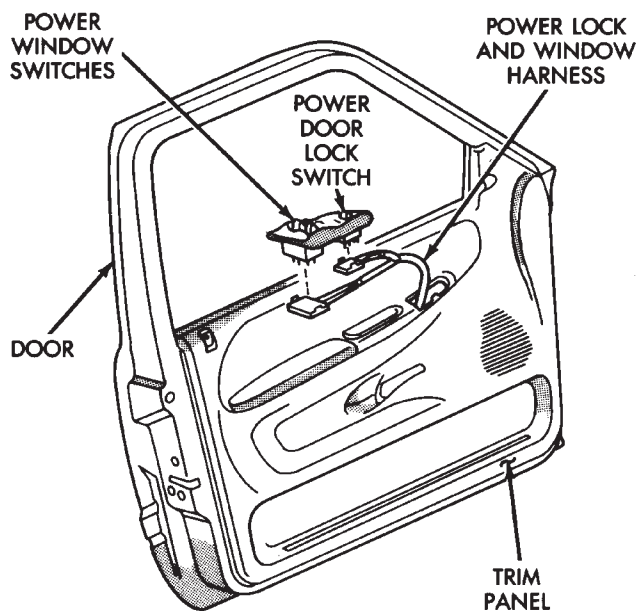
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Fig. 24 Window Crank—Typical**INSTALLATION**

Reverse the preceding operation.



J9423-34

Fig. 25 Door Trim Panel

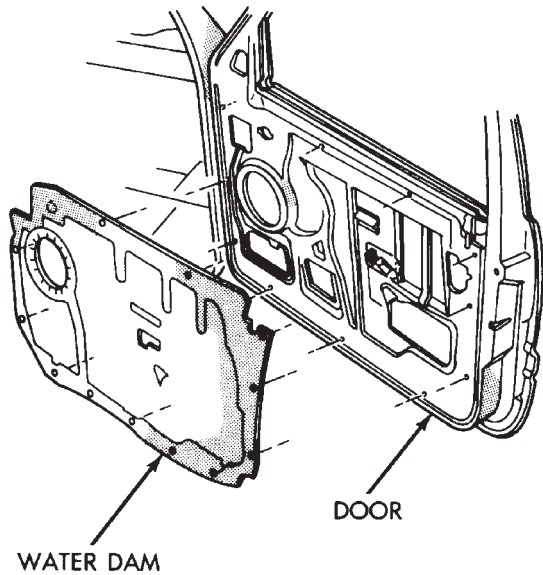
J9423-36

Fig. 26 Power Window/Lock Switch Panel**FRONT DOOR WATER DAM****REMOVAL**

(1) Remove door trim panel.

(2) Peel water dam away from adhesive around perimeter of inner door panel (Fig. 27).

REMOVAL AND INSTALLATION (Continued)



J9423-37

Fig. 27 Door Water Dam**INSTALLATION**

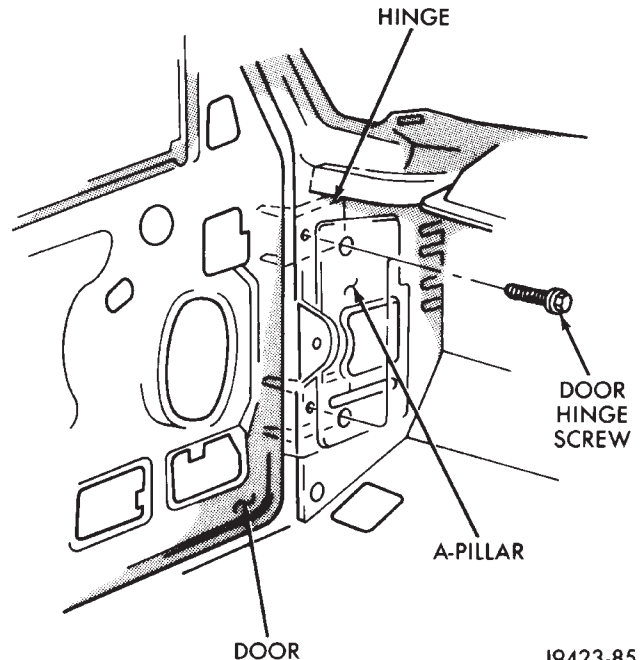
Reverse the preceding operation.

FRONT DOOR**REMOVAL**

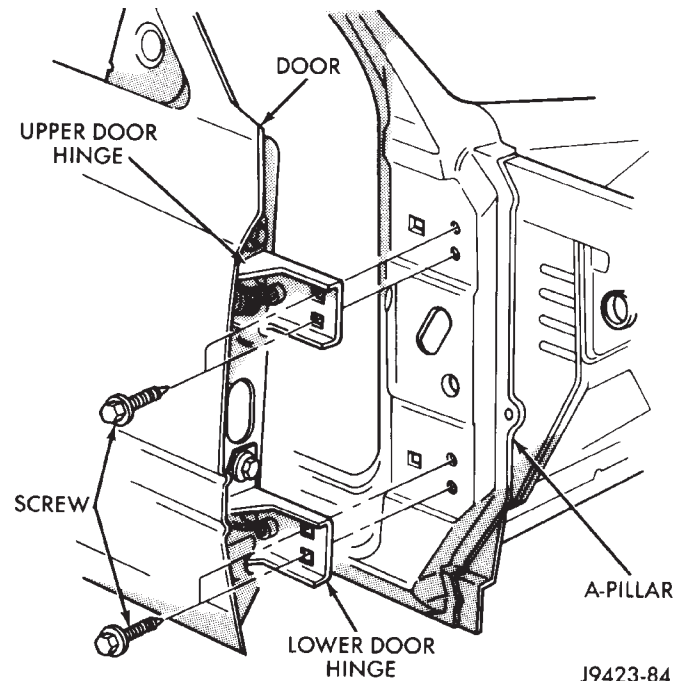
- (1) Release door latch and open door.
- (2) Remove cowl trim panel.
- (3) Disengage door wire harness connector of instrument panel harness and push door harness through access hole in pillar.
- (4) Remove hidden bolts attaching door hinge to hinge pillar from behind cowl panel (Fig. 28).
- (5) Using a suitable marker, mark the outline of the door hinges on the hinge pillar to aid installation.
- (6) Support door on a suitable lifting device.
- (7) Remove bolts attaching lower door hinge to hinge pillar (Fig. 29).
- (8) While attaching the door steady on lift, remove bolts attaching upper door hinge to hinge pillar.
- (9) Separate door from vehicle.

INSTALLATION

- (1) While holding door steady on lift, position door at A-pillar.
- (2) Align hinges using reference marks.
- (3) Install bolts attaching upper door hinge to hinge pillar.
- (4) Install bolts attaching lower door hinge to hinge pillar (Fig. 29).
- (5) Install hidden bolts attaching door hinge to hinge pillar from behind cowl panel (Fig. 28).



J9423-85

Fig. 28 Door Hinge Hidden Bolt

J9423-84

Fig. 29 Door

- (6) Align door to achieve equal spacing on all sides and flush across the gaps.
- (7) Tighten hinge bolts to 28 N-m (21 ft. lbs.) torque.
- (8) Route harness through door and engage door wire harness connector.
- (9) Install cowl trim panel.

REMOVAL AND INSTALLATION (Continued)

FRONT DOOR HINGE

REMOVAL

- (1) Release door latch and open door.
- (2) Remove cowl trim panel.
- (3) Remove hidden bolt attaching door hinge to hinge pillar (Fig. 28).
- (4) Support door on a suitable lifting device.
- (5) Using a suitable marker, mark the outline of the door hinge on the hinge pillar to aid installation.
- (6) Remove bolts attaching door hinge to hinge pillar (Fig. 29).
- (7) Remove bolts attaching door hinge to door end frame (Fig. 30).
- (8) Separate door hinge from vehicle.

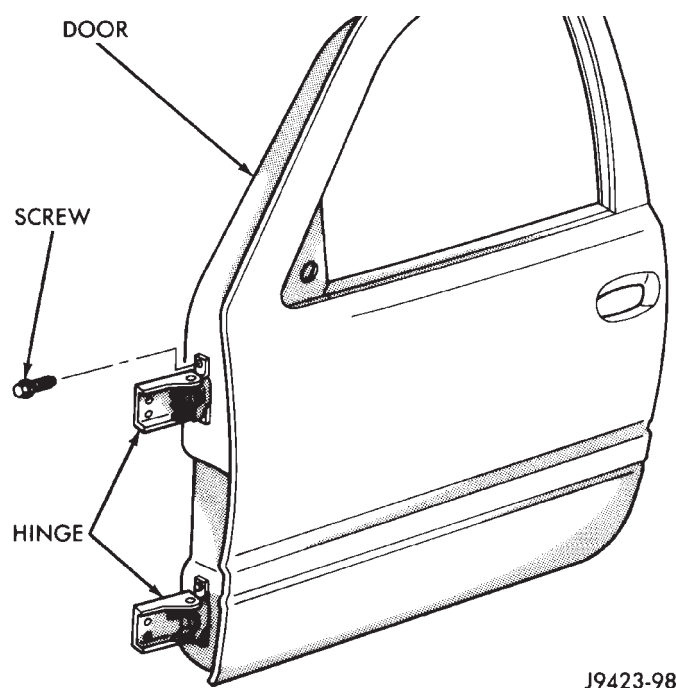


Fig. 30 Door Hinge

INSTALLATION

- (1) If necessary, paint replacement door hinge before installation.
- (2) Position hinge on door end frame.
- (3) Align hinge using reference marks.
- (4) Install bolts attaching door hinge to door end frame (Fig. 30).
- (5) Install bolts attaching door hinge to hinge pillar (Fig. 29).
- (6) Install hidden bolt attaching door hinge to hinge pillar (Fig. 28).
- (7) Tighten hinge bolts to 28 N·m (21 ft. lbs.) torque.
- (8) Remove support.
- (9) Install cowl trim panel.

FRONT DOOR OUTSIDE HANDLE

REMOVAL

- (1) Remove door trim panel.
- (2) Remove water dam as necessary to gain access to door handle.
- (3) Roll glass up.
- (4) Remove fastener access plug from door end panel.
- (5) Disengage clips holding latch and lock rods to door latch.
- (6) Separate latch and lock rods from door latch.
- (7) Remove nuts holding outside door handle retaining bracket to door handle (Fig. 31).
- (8) Separate retaining bracket from door.
- (9) Separate outside door handle from vehicle.

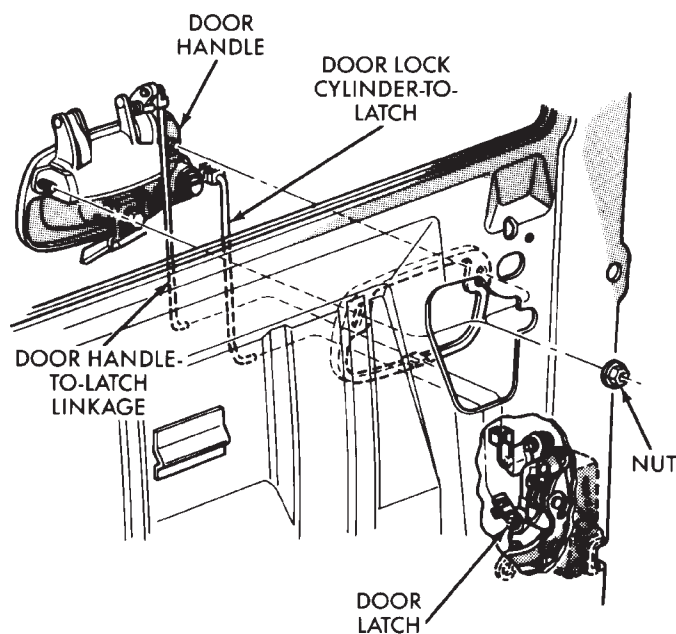


Fig. 31 Outside Door Handle

INSTALLATION

Reverse the preceding operation.

FRONT DOOR LOCK CYLINDER

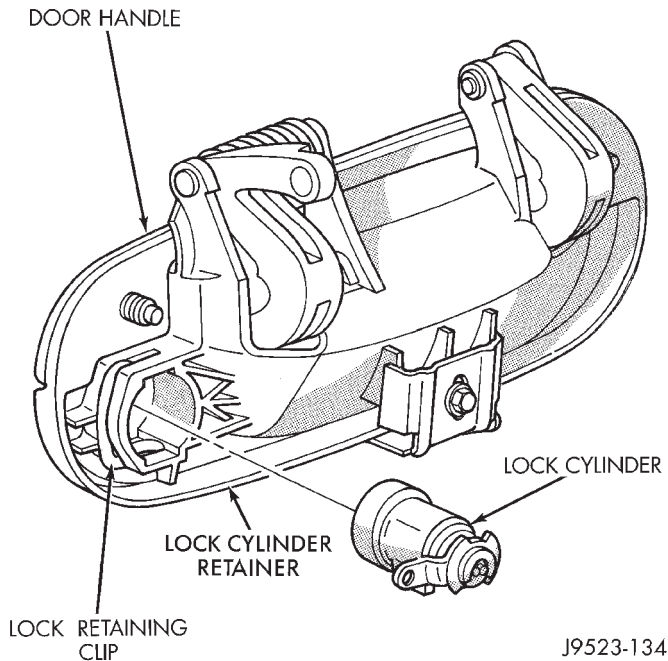
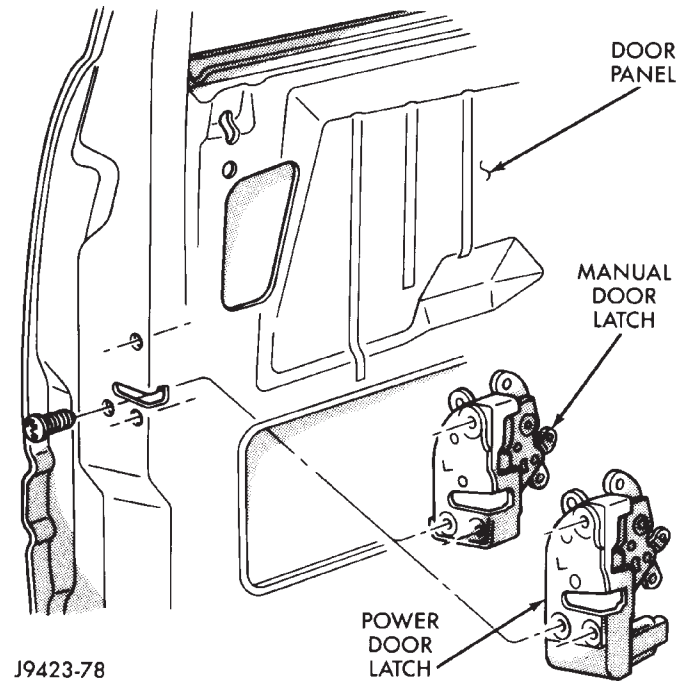
REMOVAL

- (1) Remove outside door handle.
- (2) Remove clip holding lock cylinder to outside door handle (Fig. 32).
- (3) Pull door lock from door handle.

INSTALLATION

Reverse the preceding operation.

REMOVAL AND INSTALLATION (Continued)

**Fig. 32 Door Lock Cylinder****Fig. 33 Door Latch/Lock****FRONT DOOR LATCH****REMOVAL**

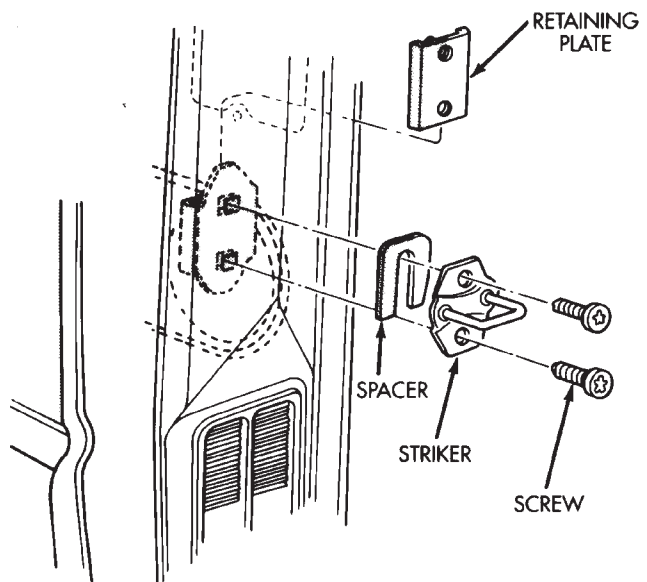
- (1) Remove door trim panel.
- (2) Remove water dam.
- (3) Disengage clips attaching lock and latch rods to door latch.
- (4) Remove screws attaching door latch to door end panel (Fig. 33).
- (5) Separate door latch/lock from vehicle.

INSTALLATION

- (1) Position door latch/lock in door.
- (2) Install screws attaching door latch to door end panel (Fig. 33). Tighten screws to 11 N·m (8 ft. lbs.) torque.
- (3) Engage clips attaching lock and latch rods to door latch.
- (4) Install water dam.
- (5) Install door trim panel.

FRONT DOOR LATCH STRIKER**REMOVAL**

- (1) Release door latch and open door.
- (2) Mark outline of striker base on B-pillar to aid installation.
- (3) Remove screws attaching striker to B-pillar (Fig. 34).
- (4) Separate striker from vehicle.

**Fig. 34 Front Door Latch Striker****INSTALLATION**

- (1) Position striker on vehicle and align with reference marks.
- (2) Install screws attaching striker to B-pillar. Tighten screws to 28 N·m (21 ft. lbs.) torque. (Fig. 34).

REMOVAL AND INSTALLATION (Continued)

FRONT DOOR INSIDE HANDLE ACTUATOR

REMOVAL

- (1) Raise the window to the closed position.
- (2) Remove the door trim panel and water dam.
- (3) Remove the screws attaching the actuator to the door.

INSTALLATION

- (1) Install the screws attaching the actuator to the door.
- (2) Test handle for proper operation.
- (3) Install the door water dam and trim panel.

FRONT DOOR INNER BELT WEATHERSTRIP

REMOVAL

- (1) Remove door trim panel.
- (2) Lift inner door belt weatherstrip upward (Fig. 35).
- (3) Separate inner door belt weatherstrip from door.

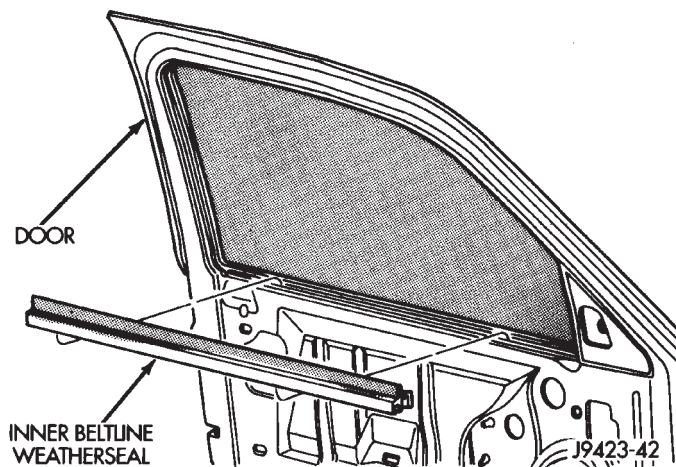


Fig. 35 Inner Door Belt Weatherstrip

INSTALLATION

Reverse the preceding operation.

FRONT DOOR OUTER BELT WEATHERSTRIP

REMOVAL

- (1) Roll door glass down.
- (2) Remove mirror.
- (3) Using a hook tool inserted into the end of the belt weatherstrip, lift upward.
- (4) Separate outer door belt weatherstrip from vehicle (Fig. 36).

INSTALLATION

Reverse the preceding operation.

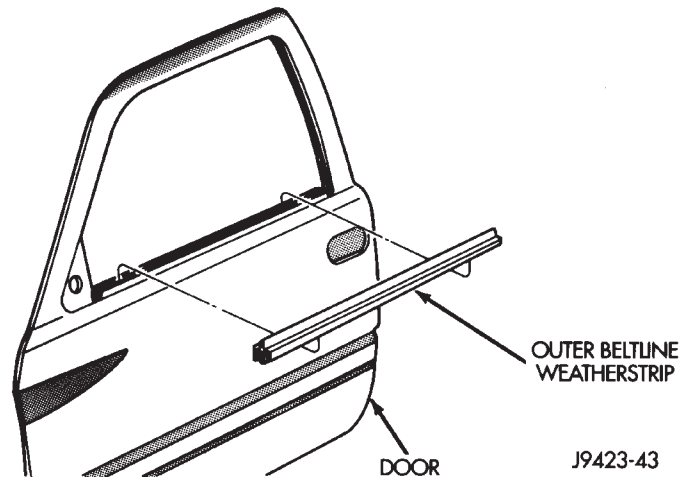


Fig. 36 Outer Door Belt Weatherstrip

FRONT DOOR GLASS

REMOVAL

- (1) Remove door trim panel.
- (2) Remove water dam as necessary to gain access to door glass lift plate.
- (3) Remove inner door belt weatherstrip.
- (4) Align door glass lift plate to access holes in inner door panel.
- (5) Loosen bolts attaching front lower run channel to inner door panel.
- (6) Remove nuts attaching door glass to lift plate (Fig. 37).
- (7) Separate glass from lift plate.
- (8) Lift glass upward and out of opening at top of door.

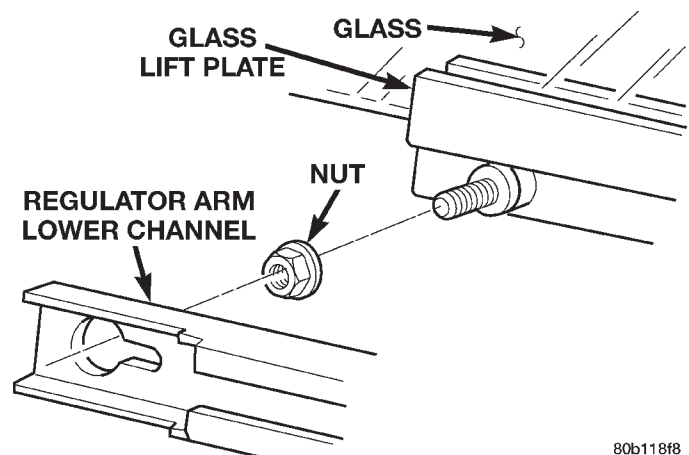


Fig. 37 Door Glass

INSTALLATION

- (1) Position in door.
- (2) Insert glass in lift plate.

REMOVAL AND INSTALLATION (Continued)

CAUTION: Do not exceed 11 N·m (8 ft. lbs.) torque when tightening the nuts that attach the glass to the lift plate.

- (3) Install nuts attaching glass to lift plate (Fig. 37). Tighten nuts to 9 N·m (7 ft. lbs.) torque.
- (4) Tighten bolts attaching front lower run channel to inner door panel.
- (5) Install inner door belt weatherstrip.
- (6) Install water dam.
- (7) Install door trim panel.

FRONT DOOR WINDOW REGULATOR

REMOVAL

- (1) Remove door trim panel.
- (2) Remove water dam.
- (3) Remove nuts attaching door glass to window regulator.
- (4) Remove glass from door or move glass to full up position and secure glass to door with tape.
- (5) Disengage power window motor wire connector from door harness, if equipped.
- (6) Remove bolts attaching window regulator to inner door panel.
- (7) Separate window regulator from door panel (Fig. 38).
- (8) Extract window regulator through access hole in inner door panel.

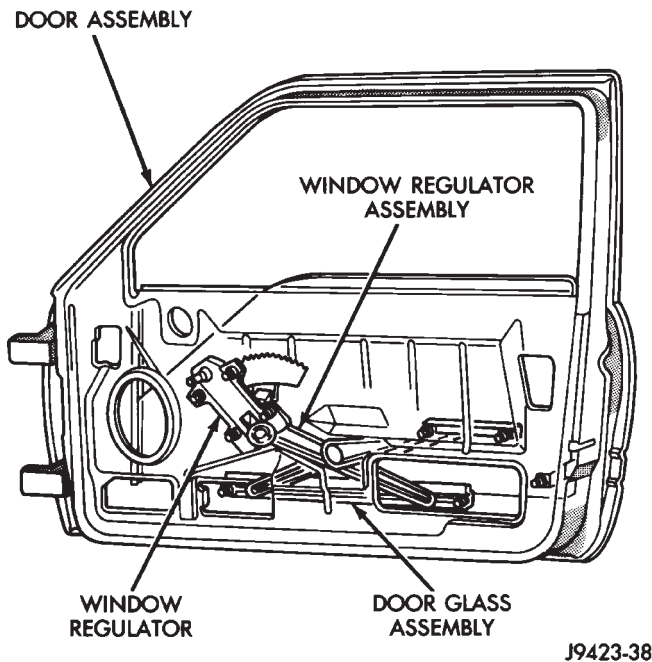


Fig. 38 Door Glass Window Regulator

INSTALLATION

- (1) Position window regulator in door through access hole.

- (2) Install bolts attaching window regulator to inner door panel.
- (3) Engage power window motor wire connector to door harness, if equipped.
- (4) Install glass in lift plate.
- (5) Install water dam.
- (6) Install door trim panel.

FRONT DOOR GLASS RUN LOWER CHANNELS

REMOVAL

- (1) Remove door trim panel and waterdam.
- (2) Roll door glass up.
- (3) Remove bolts holding run channel to inner door panel (Fig. 39) and (Fig. 40).
- (4) Slide channel downward to disengage it from the upper glass frame.
- (5) Separate door glass run channel from door.

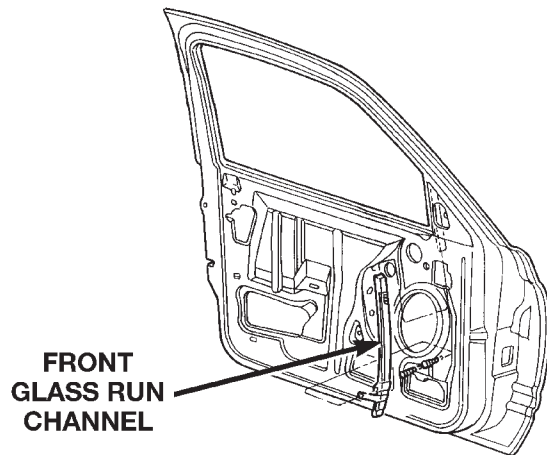


Fig. 39 Front Glass Run Lower Channel

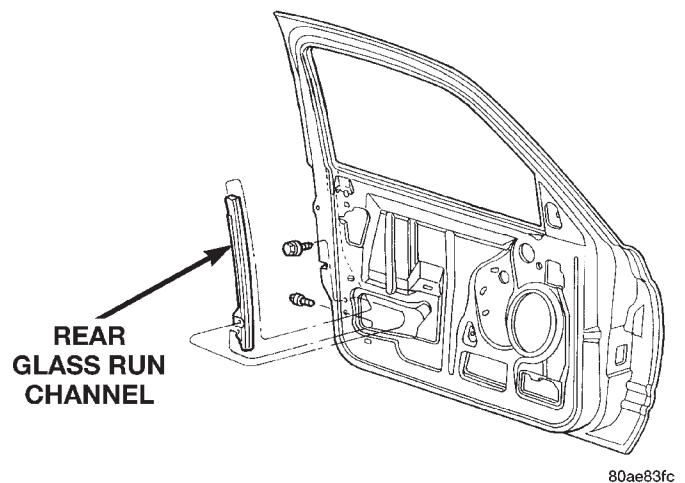


Fig. 40 Rear Glass Run Lower Channel

INSTALLATION

- (1) Position door glass run channels on inner door panel.

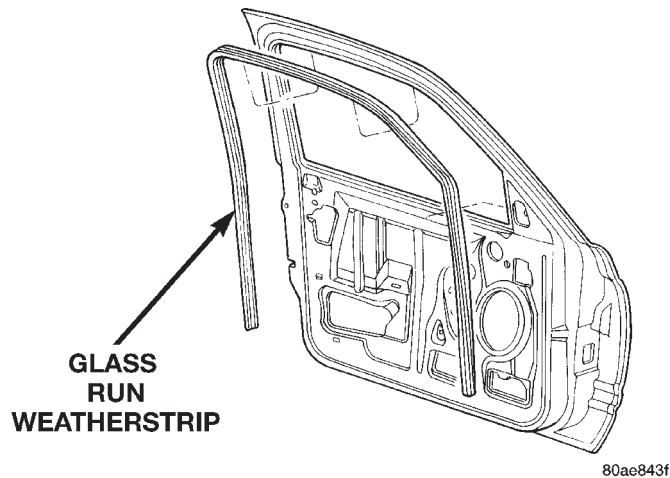
REMOVAL AND INSTALLATION (Continued)

- (2) Slide channel upward to engage it in the upper glass frame.
- (3) Install bolts attaching run channels to inner door panel (Fig. 39) and (Fig. 40).
- (4) Install door trim panel and waterdam.

FRONT DOOR GLASS RUN WEATHERSTRIP

REMOVAL

- (1) Remove door trim panel.
- (2) Remove inner door belt weatherstrip.
- (3) Pull door glass run weatherstrip from channel around window opening (Fig. 41).

**Fig. 41 Door Glass Run Weatherstrip**

INSTALLATION

- (1) Press door glass run weatherstrip into channel around window opening (Fig. 41).
- (2) Install inner door belt weatherstrip.
- (3) Install door trim panel.

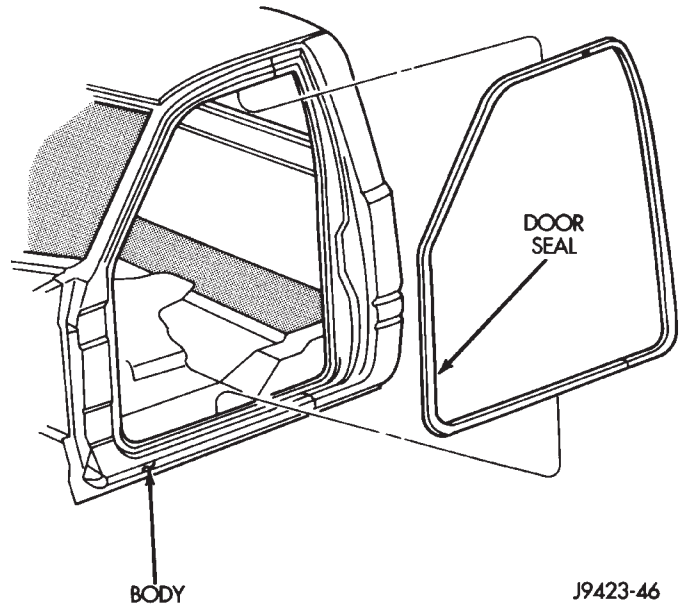
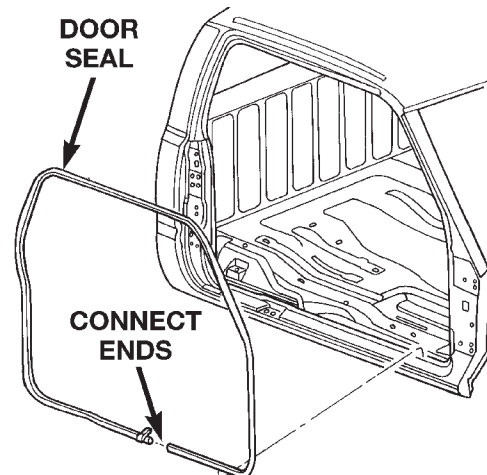
DOOR OPENING SEAL

REMOVAL

- (1) Remove A-pillar molding.
- (2) Remove cowl panel and sill cover.
- (3) Remove quarter trim panel, if equipped.
- (4) Pull seal from pinch flange around door opening (Fig. 42) and (Fig. 43).

INSTALLATION

- (1) Press seal onto pinch flange around door opening (Fig. 42).
- (2) Connect the seal ends, if equipped.
- (3) Install quarter trim panel, if equipped.
- (4) Install cowl panel and sill cover.
- (5) Install A-pillar molding.

**Fig. 42 Door Opening Seal—Club Cab****Fig. 43 Door Opening Seal—Quad Cab**

B-PILLAR SECONDARY SEAL

REMOVAL

- (1) Warm the seal and body metal to approximately 38°C (100°F) using a suitable heat lamp or heat gun.
- (2) Pull seal from painted surface (Fig. 44).

INSTALLATION

- (1) Remove adhesive tape residue from painted surface of vehicle.
- (2) If seal is to be reused, remove tape residue from seal. Clean back of seal with MOPAR, Super

REMOVAL AND INSTALLATION (Continued)

Kleen solvent or equivalent. Wipe seal dry with lint free cloth. Apply new body side moulding (two sided adhesive) tape to back of seal.

(3) Clean body surface with MOPAR, Super Kleen solvent or equivalent. Wipe surface dry with lint free cloth.

(4) Remove protective cover from tape on back of seal and apply seal to body.

(5) Heat body and seal, see step one. Firmly press seal to body surface to assure adhesion.

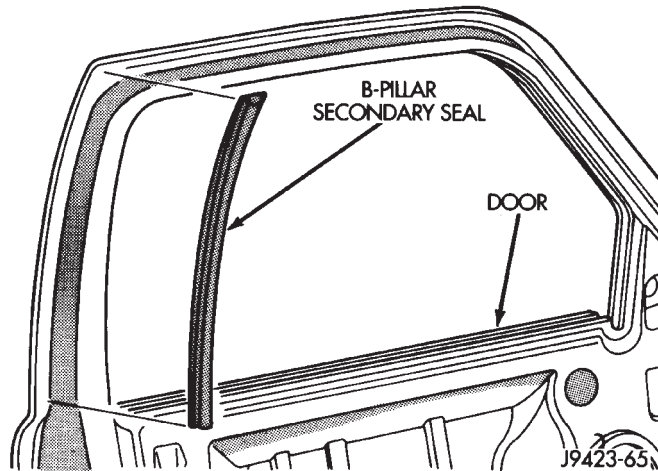


Fig. 44 B-Pillar Secondary Seal

FRONT DOOR SECONDARY SEAL

REMOVAL

(1) Remove the push-in fasteners attaching the secondary seal to the inner door panel.

(2) Separate the secondary seal from the inner door panel (Fig. 45).

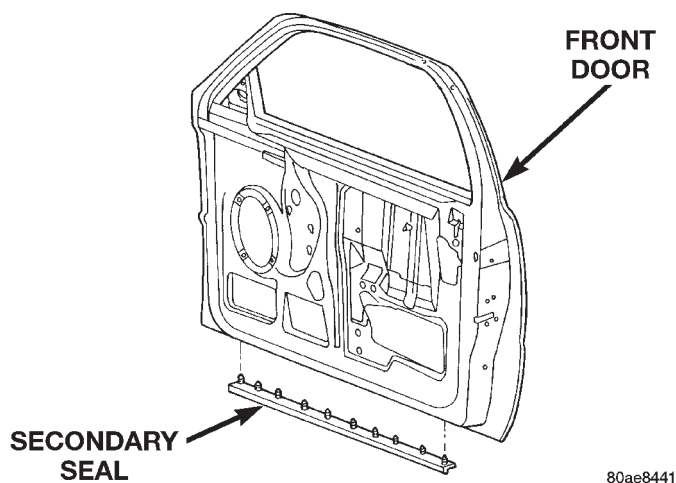


Fig. 45 Front Door Secondary Seal—Quad Cab

INSTALLATION

(1) Position the secondary seal on the inner door panel.

(2) Install the push-in fasteners attaching the secondary seal to the inner door panel.

FRONT DOOR UPPER CORNER SEAL

REMOVAL

(1) Remove the push-in fasteners attaching the upper corner seal to the front door (Fig. 46).

(2) Separate the upper corner seal from the door.

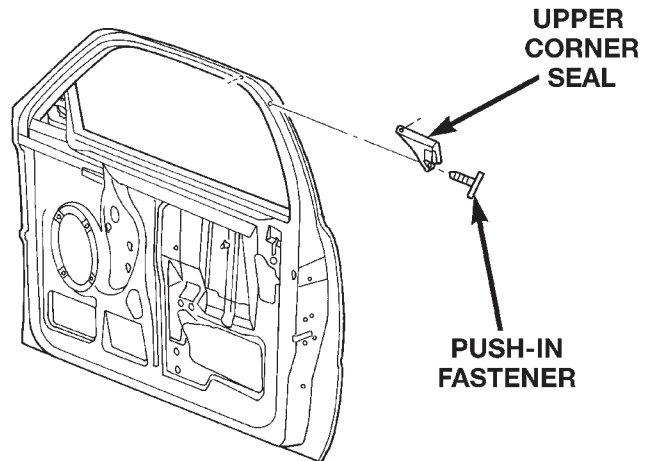


Fig. 46 Upper Corner Seal—Quad Cab

INSTALLATION

(1) Position the upper corner seal on the door.

(2) Install the push-in fasteners attaching the upper corner seal to the front door (Fig. 46).

CARGO DOOR TRIM PANEL

REMOVAL

(1) Remove the screws attaching the cargo door pull cup to the cargo door (Fig. 47).

(2) Remove the screw attaching the inside release handle to the cargo door.

NOTE: The cargo door trim panel is secured to the cargo door with spring clips and push-in fasteners (Fig. 48).

(3) Using a trim panel removal tool, remove the push-in fasteners attaching the trim panel to the cargo door.

(4) Pull the trim panel outward to disengage the spring clips.

(5) Separate the trim panel from the cargo door.

(6) Disengage the cargo door release cable from the inside release handle (Fig. 49).

INSTALLATION

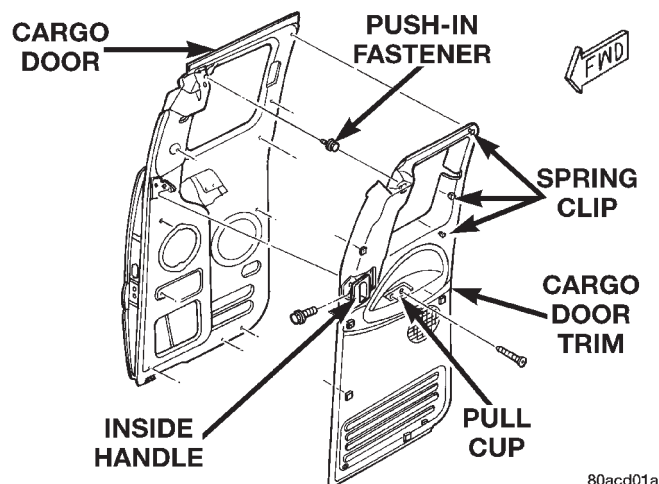
(1) Engage the cargo door release cable to the inside release handle (Fig. 49).

(2) Position the trim panel on the cargo door.

(3) Align all fasteners and starting at the top of the panel, push into place to secure.

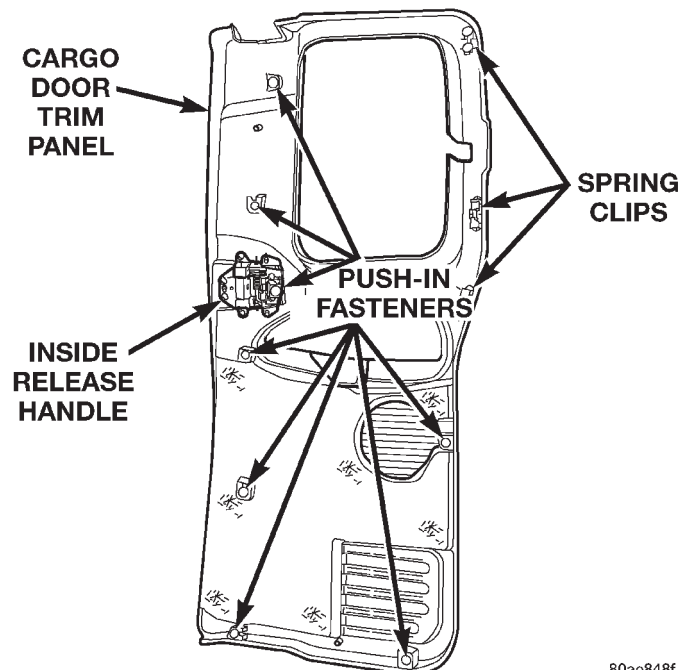
(4) Install the screw attaching the inside release handle to the cargo door.

REMOVAL AND INSTALLATION (Continued)



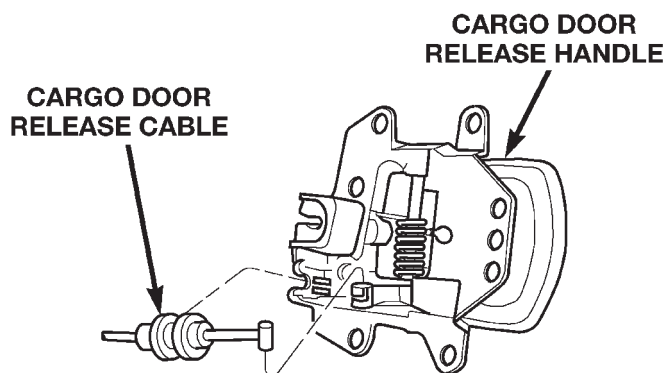
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Fig. 47 Cargo Door Trim Panel



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Fig. 48 Cargo Door Trim Panel Fasteners



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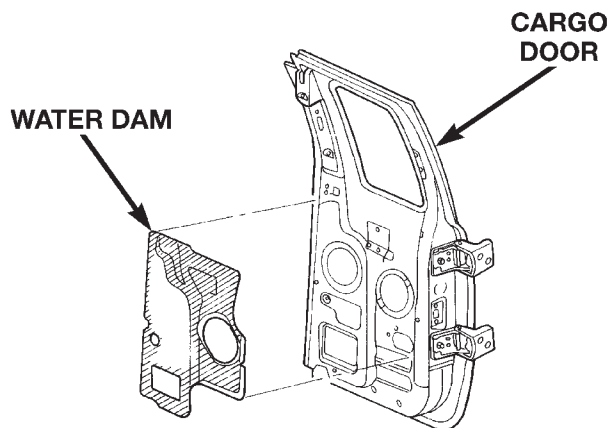
Fig. 49 Cargo Door Release Cable

- (5) Install the screws attaching the cargo door pull cup to the cargo door (Fig. 47).

CARGO DOOR WATERDAM

REMOVAL

- (1) Remove cargo door trim panel.
- (2) Carefully peel waterdam from door (Fig. 50).



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Fig. 50 Cargo Door Waterdam

INSTALLATION

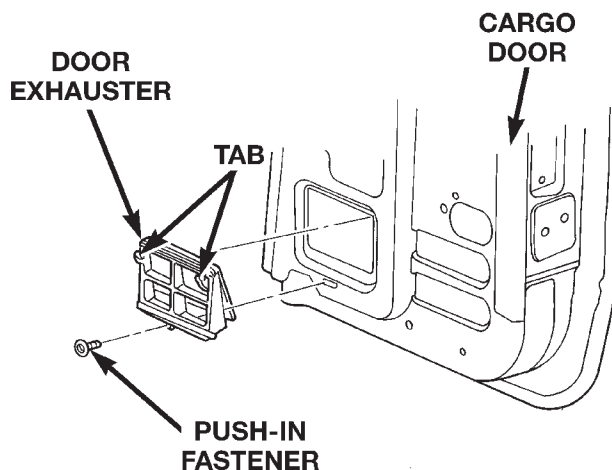
If a replacement waterdam is being applied, clean cargo door inner panel with Mopar Super Clean or equivalent.

- (1) Position waterdam on cargo door and press into place.
- (2) install cargo door trim panel.

CARGO DOOR AIR EXHAUSTER

REMOVAL

- (1) Remove cargo door trim panel.
- (2) Peel back waterdam.
- (3) Remove push-in fastener attaching air exhauster to cargo door inner panel (Fig. 51).
- (4) Separate air exhauster from cargo door.



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Fig. 51 Cargo Door Air Exhauster

REMOVAL AND INSTALLATION (Continued)

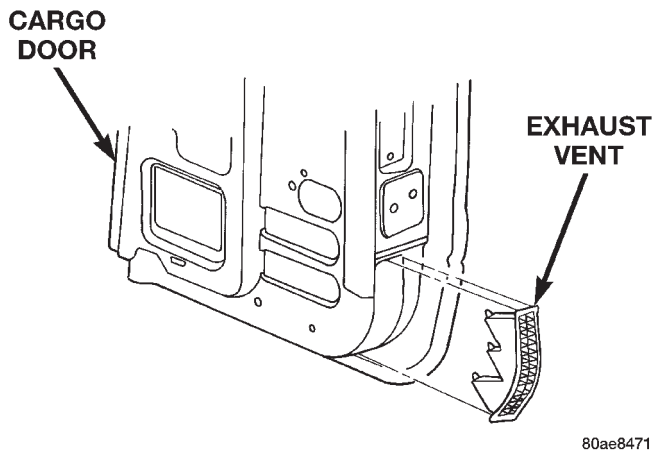
INSTALLATION

- (1) Position air exhauster in cargo door.
- (2) Engage air exhauster upper tabs with cargo door inner panel.
- (3) Install push-in fastener attaching air exhauster to cargo door inner panel (Fig. 51).
- (4) Install waterdam.
- (5) Install cargo door trim panel.

CARGO DOOR EXHAUST VENT

REMOVAL

- (1) Using a trim stick, carefully pry bottom of vent to disengage from door (Fig. 52).
- (2) Separate vent from door.



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Fig. 52 Cargo Door Exhaust Vent

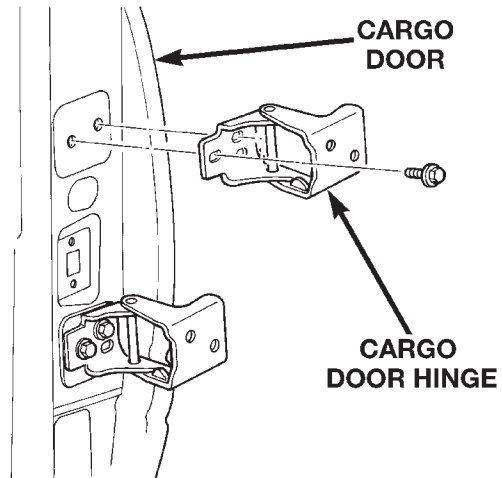
INSTALLATION

- (1) Position upper side of vent in door opening.
- (2) Slide upward until tabs on top edge are in place.
- (3) Push the lower side of the vent towards the door until the tabs snap into place.
- (4) Ensure vent is fully seated.

CARGO DOOR

REMOVAL

- (1) Using a grease pencil or equivalent, mark the position of the hinge on the door.
- (2) Remove the cargo door trim panel.
- (3) Remove the cargo door check strap from the cab C-pillar.
- (4) Using the access hole in the cargo door inner panel, disengage the speaker wire from the speaker and route the wire through the door.
- (5) Support the cargo door on a suitable device.
- (6) Remove the bolts attaching the hinges to the cargo door (Fig. 53).



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Fig. 53 Cargo Door

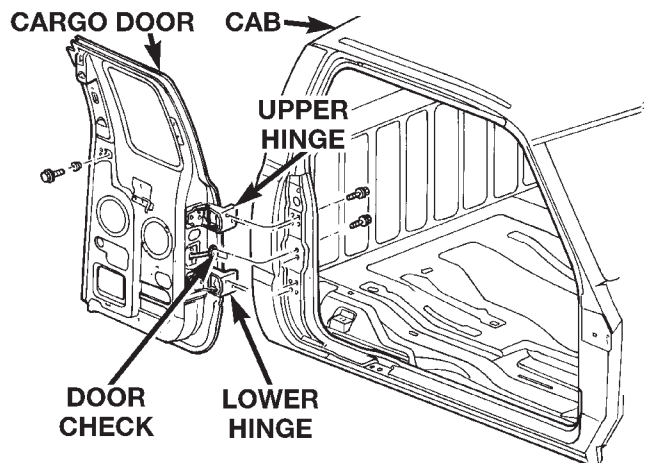
INSTALLATION

- (1) Support the cargo door on a suitable device.
- (2) Using the alignment marks, position the door at the hinge.
- (3) Install the bolts attaching the hinges to the cargo door (Fig. 53). Tighten the bolts to 28 N·m (21 ft. lbs.) torque.
- (4) Route the speaker wire through the door and using the access hole in the cargo door inner panel, engage the speaker wire at the speaker.
- (5) Install the cargo door check strap at the cab C-pillar.
- (6) Install the cargo door trim panel.

CARGO DOOR HINGE

REMOVAL

- (1) Remove cargo door.
- (2) Remove rear seat.
- (3) Remove quarter trim panel.
- (4) Remove bolts attaching hinge to C-pillar (Fig. 54).
- (5) Separate hinge from vehicle.



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Fig. 54 Cargo Door Hinge

REMOVAL AND INSTALLATION (Continued)

INSTALLATION

- (1) Position hinge on vehicle.
- (2) Install bolts attaching hinge to C-pillar (Fig. 54). Tighten bolts to 28 N·m (21 ft. lbs.) torque.
- (3) Install quarter trim panel.
- (4) Install rear seat.
- (5) Install cargo door.

CARGO DOOR DOOR CHECK

REMOVAL

- (1) Remove cargo door trim panel.
- (2) Remove the bolts attaching the door check to the cab C-pillar.
- (3) Remove the nuts attaching the door check to the cargo door (Fig. 55).
- (4) Remove the door check through the access hole in the cargo door.

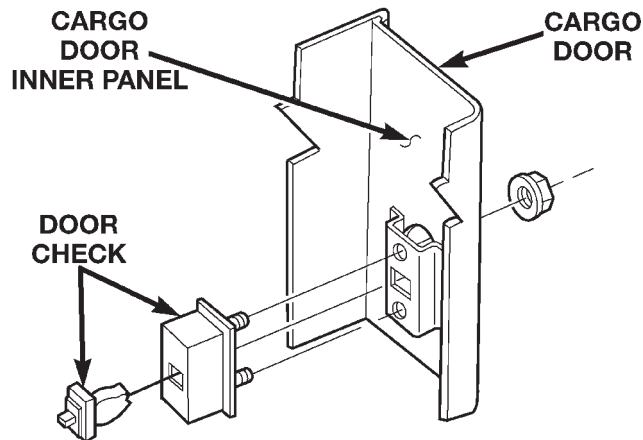


Fig. 55 Door Check

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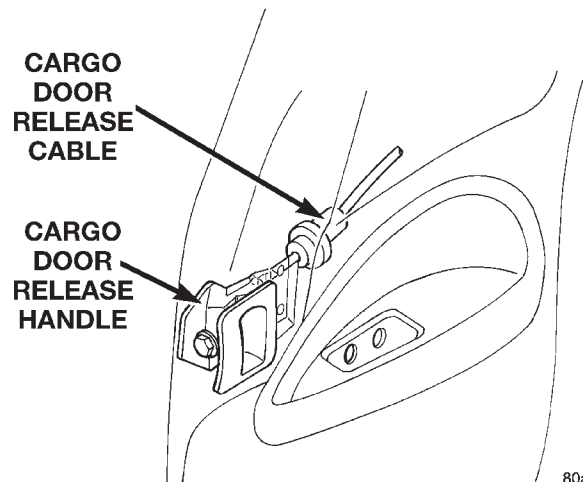
INSTALLATION

- (1) Position the door check in the cargo door through the access hole.
- (2) Install the nuts attaching the door check to the cargo door (Fig. 55).
- (3) Install the bolts attaching the door check to the cab C-pillar.
- (4) Install cargo door trim panel.

CARGO DOOR RELEASE CABLE

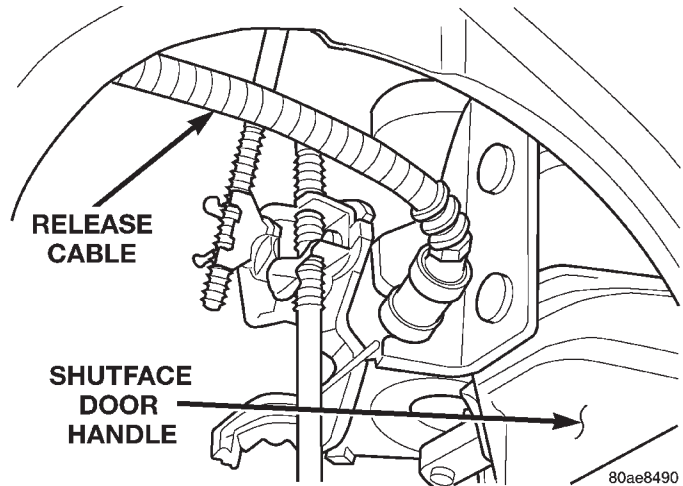
REMOVAL

- (1) Remove cargo door trim panel.
- (2) Disengage release cable from inside release handle (Fig. 56).
- (3) Peel back waterdam
- (4) Disengage release cable from shutface door handle (Fig. 57).
- (5) Separate release cable from cargo door.



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Fig. 56 Cargo Door Release Handle



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Fig. 57 Shutface Door Handle

INSTALLATION

- (1) Position release cable in cargo door.
- (2) Engage release cable to shutface door handle.
- (3) Install waterdam
- (4) Engage release cable to inside release handle.
- (5) Install cargo door trim panel.

CARGO DOOR SHUTFACE HANDLE

REMOVAL

- (1) Remove cargo door trim panel.
- (2) Peel back waterdam.
- (3) Disengage upper and lower latch release rods from shutface handle (Fig. 58).
- (4) Disengage cargo door release cable.
- (5) Remove screws attaching shutface handle to cargo door (Fig. 59).
- (6) Separate handle from cargo door.

REMOVAL AND INSTALLATION (Continued)

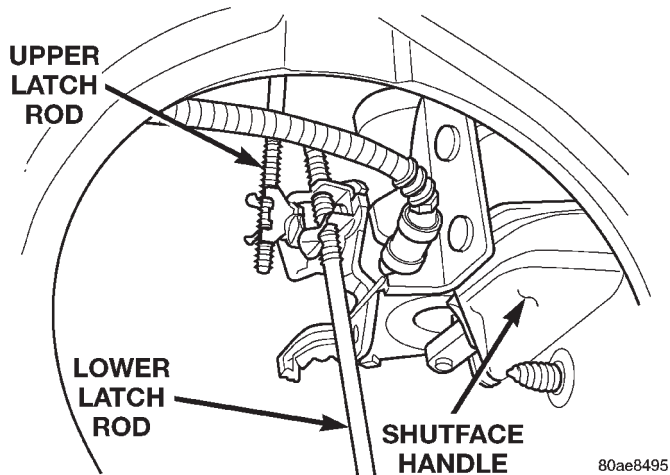


Fig. 58 Cargo Door Latch Rods

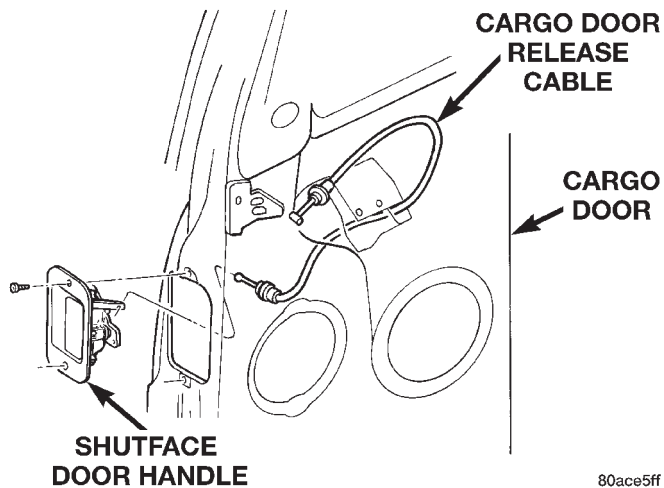


Fig. 59 Shutface Handle

INSTALLATION

- (1) Position handle in cargo door.
- (2) Install screws attaching shutface handle to cargo door (Fig. 59).
- (3) Engage cargo door release cable.

CAUTION: When engaging upper and lower latch release rods to shutface handle, ensure the upper latch rod is pushed all the way up and the lower latch rod is pushed all the way down before engaging into the shutface handle.

- (4) Engage upper and lower latch release rods to shutface handle.
- (5) Cycle the shutface handle and verify operation.
- (6) Install waterdam.
- (7) Install cargo door trim panel.

CARGO DOOR UPPER LATCH

REMOVAL

- (1) Remove cargo door trim panel.
- (2) Using a grease pencil or equivalent, mark the position of the bolts.
- (3) Disengage upper latch release rod from shutface handle.
- (4) Remove the bolts attaching upper latch to cargo door (Fig. 60).
- (5) Separate upper latch and latch rod from cargo door.

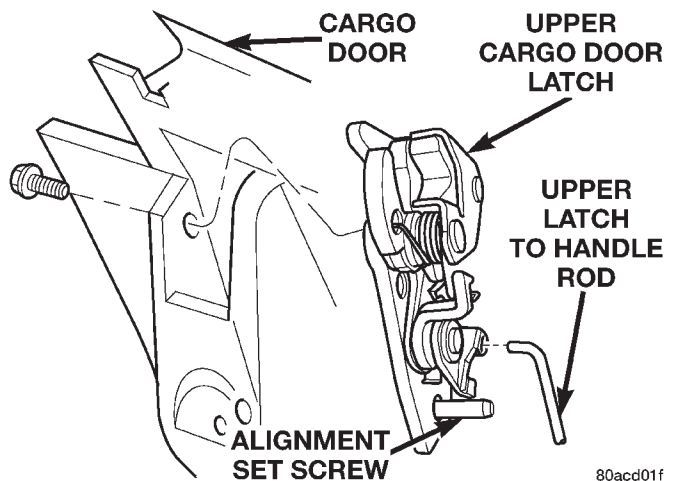


Fig. 60 Cargo Door Upper Latch

INSTALLATION

(1) The new replacement latch is supplied with an alignment set screw located in the lower mounting hole of the upper cargo door latch. If a new latch is being installed, use the following procedure:

- (a) Verify alignment set screw is fully seated in latch.
- (b) Engage latch rod to latch.
- (c) Position latch in cargo door with alignment set screw located in the lower hole.
- (d) Align bolt with reference mark.
- (e) Install upper bolt. Tighten bolt to 23 N·m (17 ft. lbs.) torque.
- (f) Engage latch rod to shutface handle.
- (g) Remove alignment set screw from lower hole.
- (h) Align lower bolt with reference mark.
- (i) Install bolt in lower hole. Tighten bolt to 23 N·m (17 ft. lbs.) torque.

CAUTION: When engaging upper latch release rod to shutface handle, ensure the latch rod is pushed all the way up before engaging into the shutface handle.

REMOVAL AND INSTALLATION (Continued)

(2) If the latch was not replaced and the existing latch is to be installed:

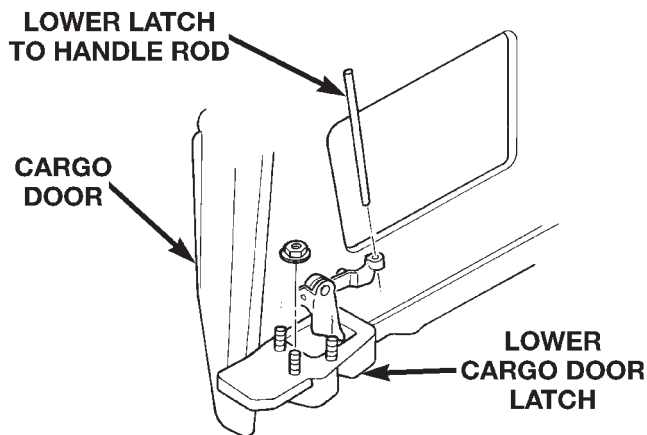
- (a) Engage latch rod to latch.
 - (b) Position upper latch and latch rod in cargo door.
 - (c) Align bolts with reference marks.
 - (d) Install the bolts attaching upper latch to cargo door (Fig. 60). Tighten the bolts to 23 N·m (17 ft. lbs.) torque.
 - (e) Engage upper latch release rod to shutface handle.
- (3) Cycle the shutface handle and verify latch operation.

(4) Install cargo door trim panel.

CARGO DOOR LOWER LATCH

REMOVAL

- (1) Remove cargo door trim panel.
- (2) Peel back waterdam to access air exhauster.
- (3) Remove cargo door air exhauster.
- (4) Disengage lower latch to shutface handle rod at shutface handle (Fig. 61).
- (5) Remove nuts attaching lower latch to cargo door.
- (6) Separate lower latch and latch rod from cargo door.



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Fig. 61 Cargo Door Lower Latch

INSTALLATION

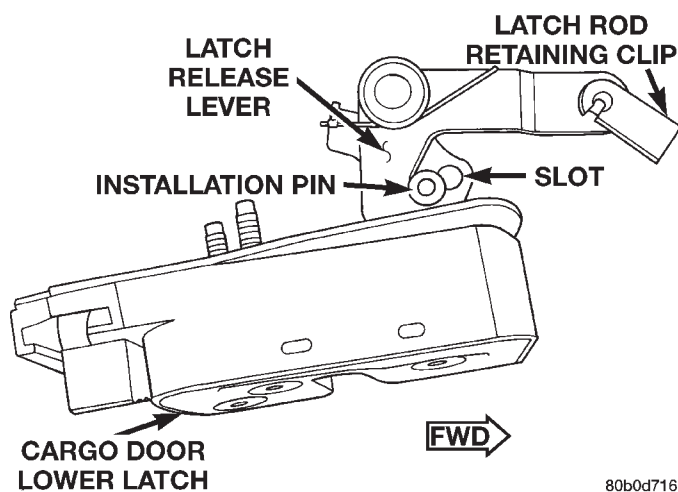
- (1) If installing a new replacement latch:
 - (a) Engage latch rod to latch rod retaining clip in lower latch. Ensure "white" latch installation pin is in the position closest to the latch release lever (Fig. 62).
- (2) If the latch was not replaced and the existing latch is to be installed:
 - (a) Slide "white" latch installation pin to the position closest to the latch release lever.
- (3) Position lower latch and latch rod in cargo door.

(4) Install nuts attaching lower latch to cargo door. Tighten nuts to 12 N·m (9 ft. lbs.) torque (Fig. 61).

(5) Engage latch rod to latch rod retaining clip in lower latch.

CAUTION: When engaging lower latch release rod to shutface handle, ensure lower latch rod is pushed all the way down before engaging to the handle.

- (6) Engage lower latch rod to shutface handle
- (7) Cycle the shutface handle and verify latch operation.
- (8) Install cargo door air exhauster.
- (9) Install waterdam.
- (10) Install cargo door trim panel.



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Fig. 62 Cargo Door Lower Latch Installation Pin

CARGO DOOR UPPER STRIKER

REMOVAL

- (1) Remove screws attaching striker trim cover to roof.
- (2) Remove bolts attaching striker to roof (Fig. 63).
- (3) Separate upper striker from roof.

INSTALLATION

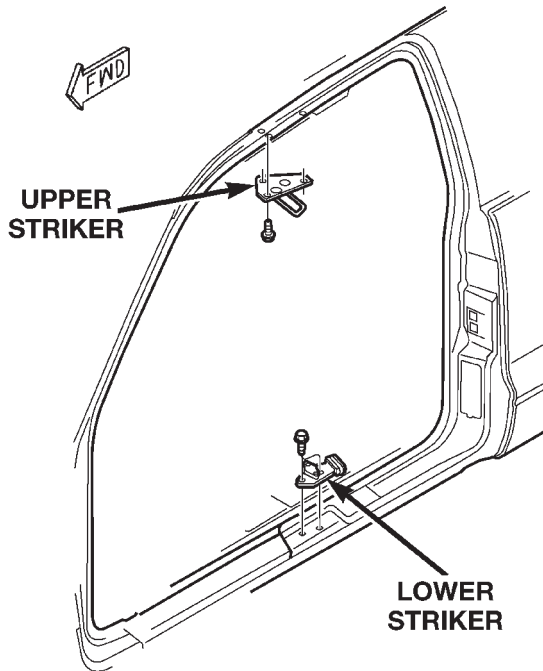
- (1) Position upper striker on roof.
- (2) Install bolts attaching striker to roof (Fig. 63). Tighten bolts to 23 N·m (17 ft. lbs.) torque.
- (3) Install the screws attaching striker trim cover to roof.

CARGO DOOR LOWER STRIKER

REMOVAL

- (1) Using a grease pencil or equivalent, mark the position of the lower striker on the sill.
- (2) Remove the torx screws attaching the striker to the sill (Fig. 63).
- (3) Separate striker from sill.

REMOVAL AND INSTALLATION (Continued)



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Fig. 63 Cargo Door Strikers**INSTALLATION**

- (1) Using the alignment marks, position striker on sill.
- (2) Install the torx screws attaching the striker to the sill (Fig. 63). Tighten screws to 28 N·m (21 ft. lbs.) torque.

CARGO DOOR INSIDE HANDLE ACTUATOR**REMOVAL**

NOTE: The cargo door inside handle actuator is heat staked to the trim panel (Fig. 64).

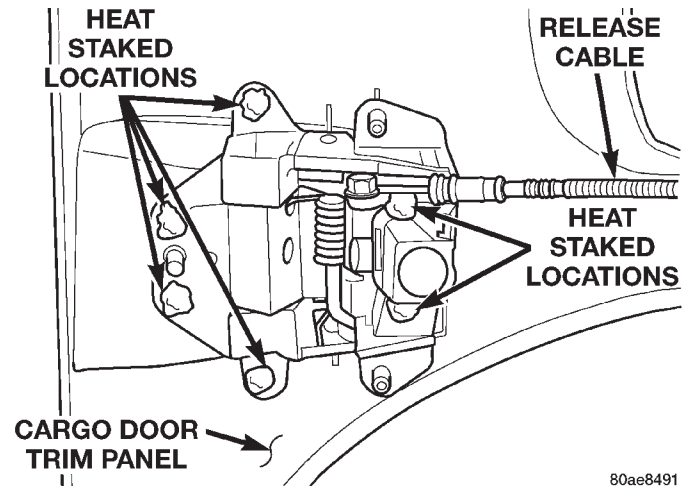
- (1) Remove trim panel from cargo door.
- (2) Disengage release cable from inside handle.
- (3) Using a small file, drummel tool or die grinder, remove the melted material securing the handle to the trim panel.
- (4) Separate the handle from the trim panel.

INSTALLATION

- (1) Position the handle in the trim panel.
- (2) Using a soldering gun, and using the additional studs, heat stake the handle to the trim panel.
- (3) Engage release cable to inside handle.
- (4) Install cargo door trim panel.

CARGO DOOR VENT WINDOW**REMOVAL**

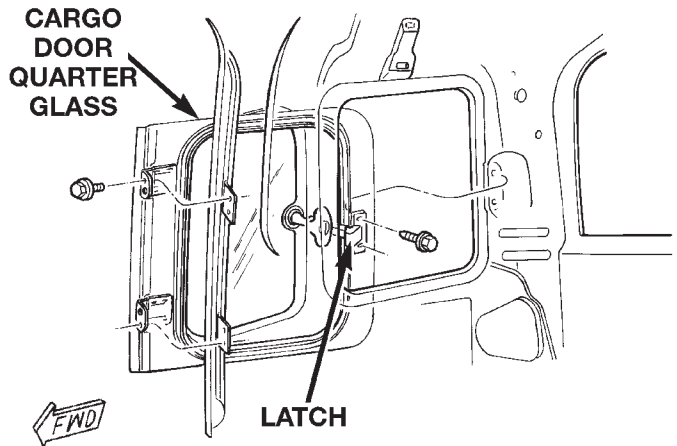
- (1) Remove cargo door trim panel.
- (2) Remove the screws attaching the latch to the cargo door (Fig. 65).



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Fig. 64 Heat Staked Locations

- (3) Remove the bolts attaching the vent glass to the cargo door (Fig. 66).
- (4) Remove the glass from the door.
- (5) If necessary, remove the latch from the glass.



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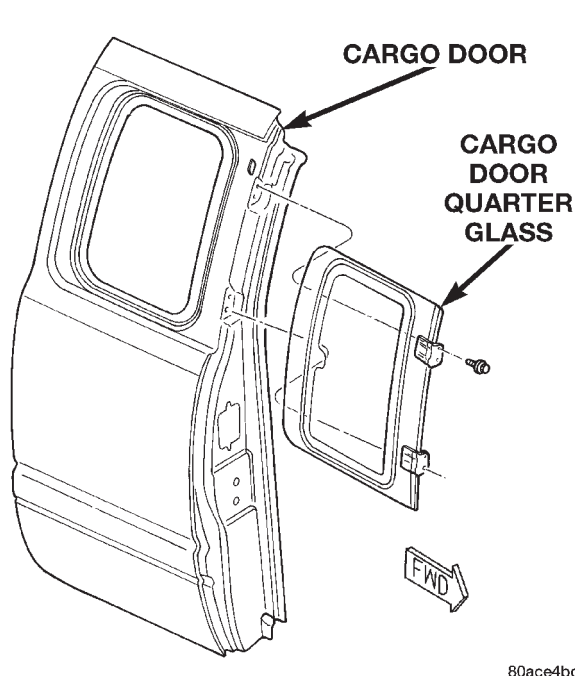
Fig. 65 Cargo Door Quarter Glass Vent Window Latch**INSTALLATION**

- (1) If removed, install the latch to the glass. Tighten the screw with 5 N·m (45 in. lbs.) torque.
- (2) Center the glass in the cargo door opening.
- (3) Install the bolts attaching the vent glass to the cargo door.
- (4) Install the screws attaching the latch to the cargo door.
- (5) Install cargo door trim panel.

CARGO DOOR VENT WINDOW WEATHERSTRIP**REMOVAL**

- (1) Remove the vent window.
- (2) Peel the weatherstrip from the glass.
- (3) Separate the weatherstrip from the cargo door.

REMOVAL AND INSTALLATION (Continued)



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Fig. 66 Cargo Door Quarter Glass Vent Window**INSTALLATION**

- (1) Position the weatherstrip on the glass.
- (2) Press the weatherstrip to seat.
- (3) Install the vent window.

CARGO DOOR PRIMARY SEAL**REMOVAL**

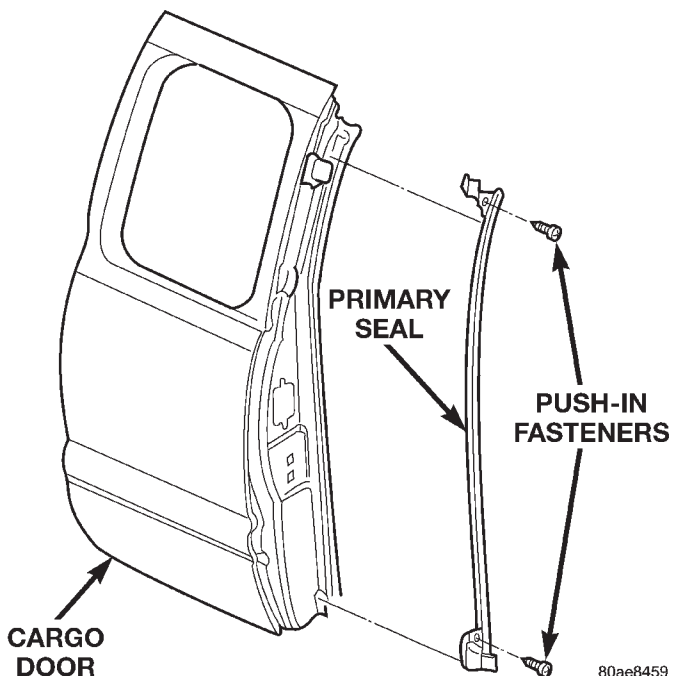
- (1) Remove the push-in fasteners attaching the primary seal to the cargo door. (Fig. 67)
- (2) Separate the seal from the door.

INSTALLATION

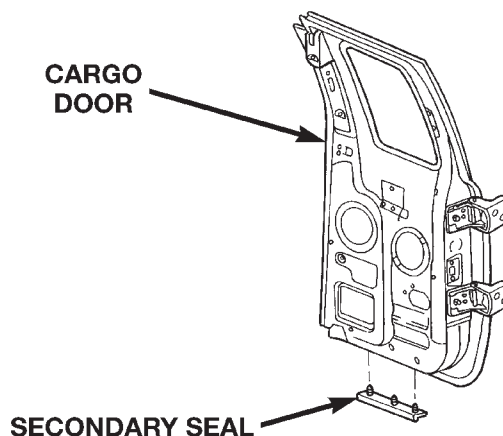
- (1) Position the seal on the door.
- (2) Install the push-in fasteners attaching the primary seal to the cargo door. (Fig. 67)

CARGO DOOR SECONDARY SEAL**REMOVAL**

- (1) Remove the push-in fasteners attaching the secondary seal to the inner cargo door panel.
- (2) Separate the secondary seal from the inner cargo door panel (Fig. 68).



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Fig. 67 Cargo Door Primary Seal

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Fig. 68 Cargo Door Secondary Seal**INSTALLATION**

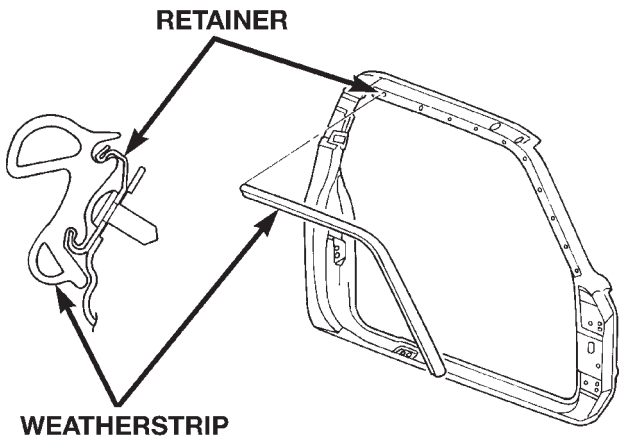
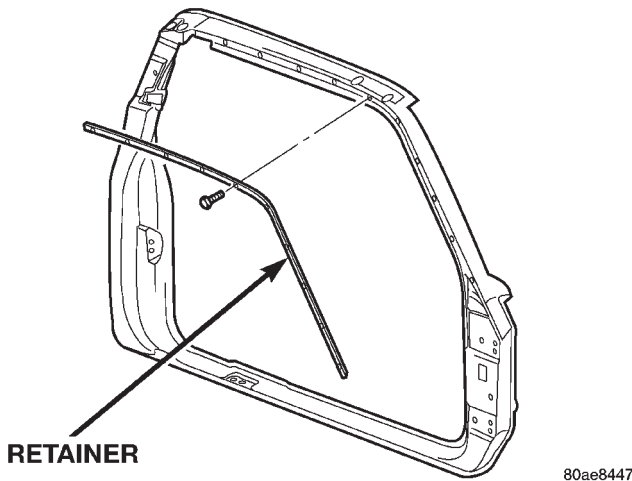
- (1) Position the secondary seal on the inner cargo door panel.
- (2) Install the push-in fasteners attaching the secondary seal to the inner cargo door panel.

REMOVAL AND INSTALLATION (Continued)

ROOF RAIL WEATHERSTRIP AND RETAINER

REMOVAL

- (1) Release door latch and open door(s).
- (2) Starting from rearward end of weatherstrip, slide weatherstrip out of retainer (Fig. 69).
- (3) Remove screws attaching retainer to roof rail (Fig. 70).
- (4) Separate retainer from vehicle.

**Fig. 69 Roof Rail Weatherstrip—Quad Cab****Fig. 70 Roof Rail Weatherstrip Retainer—Quad Cab**

INSTALLATION

- (1) If removed, install screws attaching retainer to roof rail (Fig. 70).
- (2) Starting at the forward end of retainer and working rearward, slide weatherstrip into the retainer (Fig. 69).
- (3) Peel the carrier from forward end of the weatherstrip and press to secure.

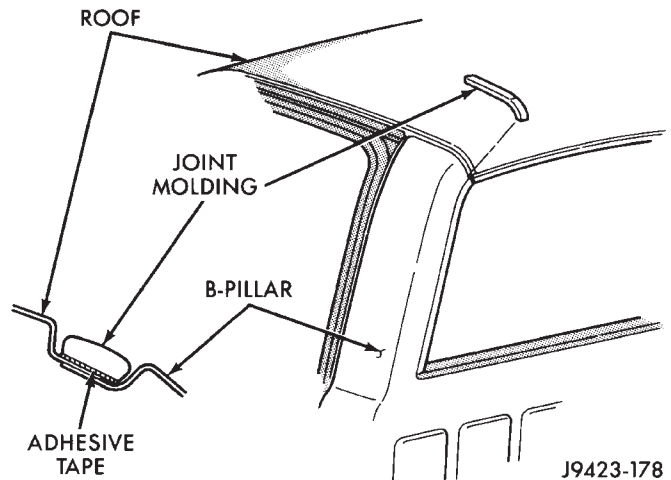
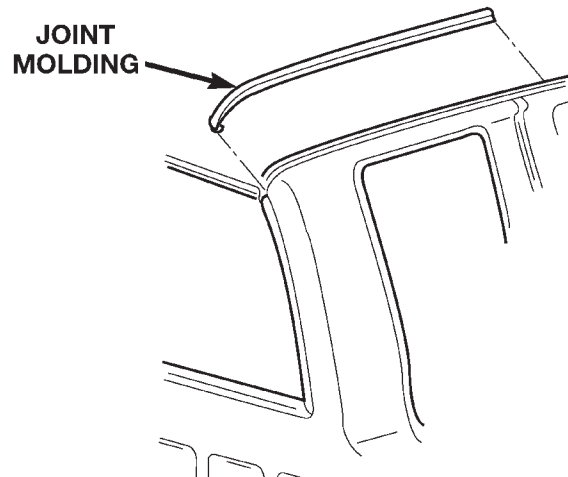
ROOF JOINT MOLDING

REMOVAL

- (1) Warm the roof joint molding and roof panel to approximately 38°C (100°F) using a suitable heat lamp or heat gun.
- (2) Pull molding from roof joint (Fig. 71), (Fig. 72) and (Fig. 73).

INSTALLATION

- (1) Remove adhesive tape residue from roof joint.
- (2) If molding is to be reused, remove tape residue from back of molding. Clean molding with MOPAR, Super Kleen solvent or equivalent. Wipe molding dry with lint free cloth. Apply new body side molding (two sided adhesive) tape to back of molding.
- (3) Clean roof joint with MOPAR, Super Kleen solvent or equivalent. Wipe dry with lint free cloth.
- (4) Remove protective cover from tape on back of molding and apply molding to roof joint.
- (5) Heat roof and molding, see step one. Firmly press molding into roof joint to assure adhesion.

**Fig. 71 Roof Joint Molding—Conventional Cab****Fig. 72 Roof Joint Molding—Club Cab**

REMOVAL AND INSTALLATION (Continued)

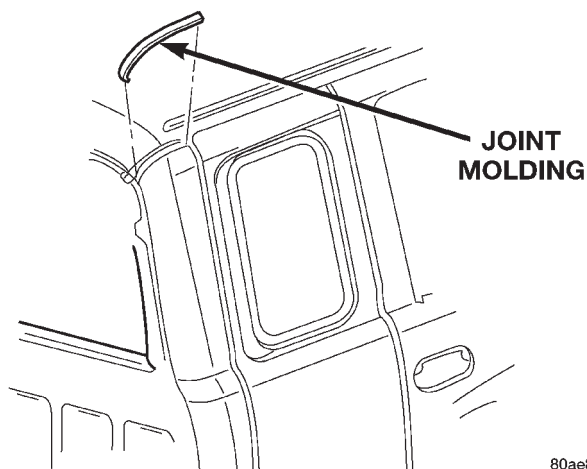


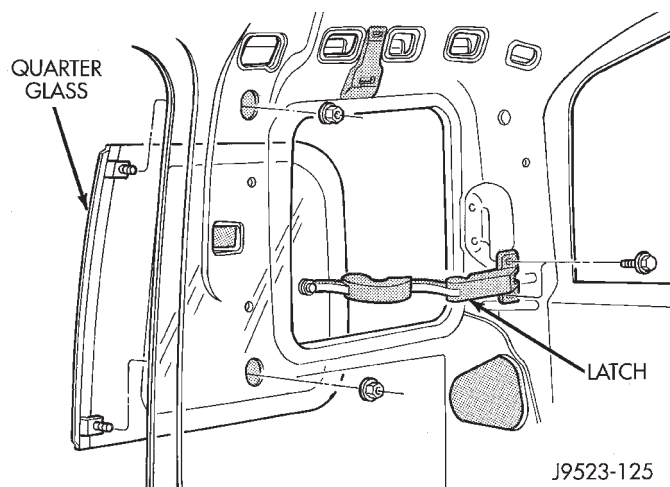
Fig. 73 Roof Joint Molding—Quad Cab

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QUARTER VENT WINDOW—CLUB CAB

REMOVAL

- (1) Remove quarter trim panel.
- (2) Remove the latch retaining screws from the cab rear side panel (Fig. 74).
- (3) Remove the frame/hinge retaining nuts from the B-pillar.
- (4) Remove the window glass from the cab.
- (5) If necessary, remove the latch from the glass.



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Fig. 74 Vent Window—Club Cab

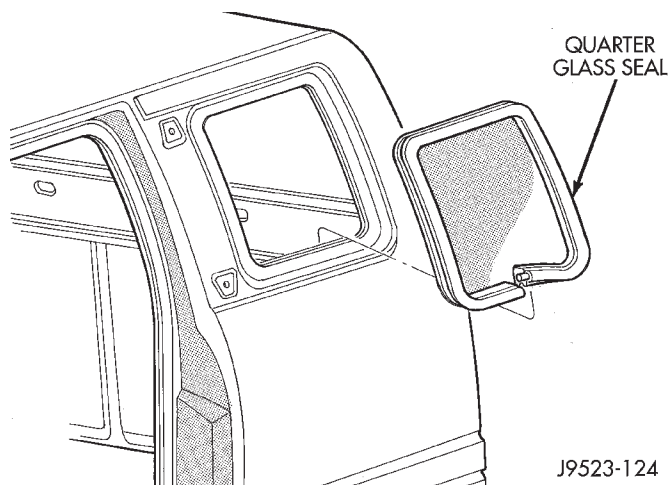
INSTALLATION

- (1) If removed, install the latch to the glass. Tighten the screw with 6 N·m (60 in. lbs.) torque.
- (2) Center the window glass at the opening, insert the hinge studs in the B-pillar holes, and install the retaining nuts. Tighten the nuts with 11 N·m (95 in. lbs.) torque.
- (3) Attach the latch to the rear side panel with the screws. Tighten the screws with the latch in the lock position and pushing rearward on the latch. Tighten the screws with 11 N·m (95 in. lbs.) torque.
- (4) Test the vent window for water leaks.
- (5) Install quarter trim panel.

QUARTER VENT WINDOW WEATHERSTRIP

REMOVAL

- (1) Remove the window. If necessary, refer to the removal procedure.
- (2) Pull the seal away from the flange around the perimeter of the window opening (Fig. 75).
- (3) Clean the flange as necessary.



J9523-124

Fig. 75 Weatherstrip Seal Removal/Installation

INSTALLATION

- (1) Center and butt the seal ends together at the bottom, centerline of the opening.
- (2) Mate the seal with the bottom flange.
- (3) Mate the seal with the front, vertical flange.
- (4) Move upward and mate the seal with the top flange.
- (5) Mate the seal with the rear, vertical flange.

BODY VENT

REMOVAL

- (1) Release door latch and open door.
- (2) Pull outward at top of vent to disengage clips holding vent to door jamb (Fig. 76).
- (3) Separate vent from vehicle.

INSTALLATION

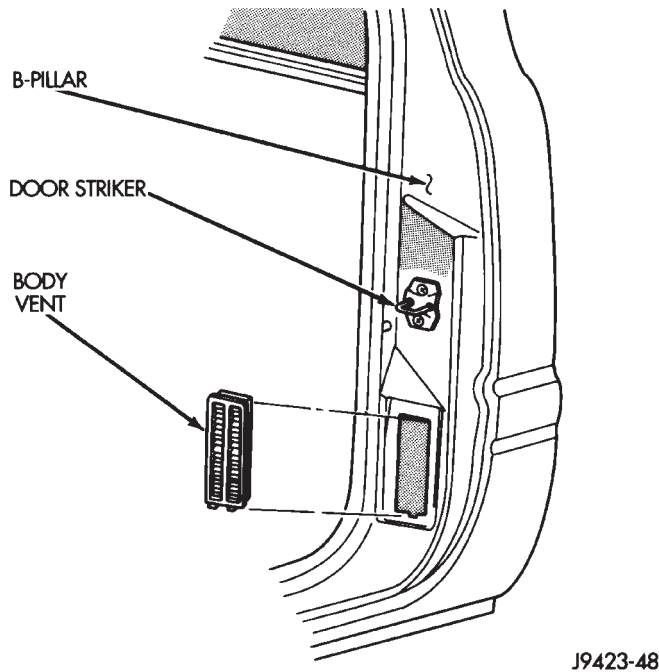
Reverse the preceding operation.

TAPE STRIPE

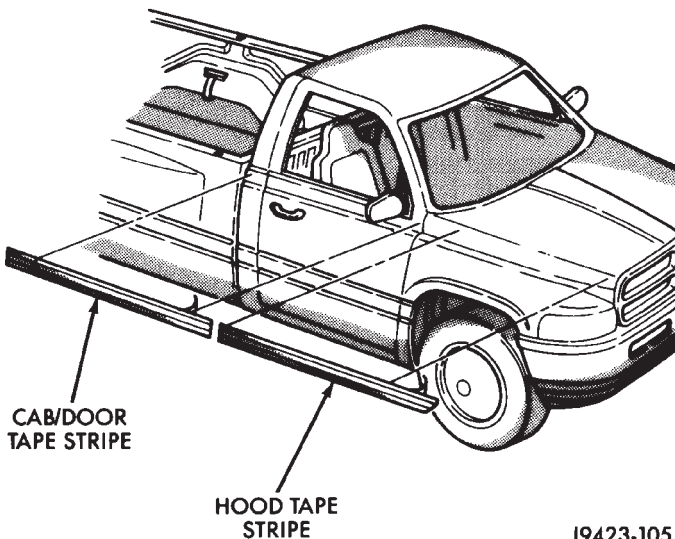
REMOVAL

- (1) If the panel that is being serviced is not going to be refinished, apply a length of masking tape parallel to the edge of the original tape stripe to aid installation.
- (2) Warm the panel to approximately 38°C (100°F) using a suitable heat lamp or heat gun.
- (3) Peel tape stripe (Fig. 77) from body panel using an even pressure pull.

REMOVAL AND INSTALLATION (Continued)

**Fig. 76 Body Vent**

(4) Remove adhesive residue from body panel using a suitable adhesive removing solvent.

**Fig. 77 Tape Stripe Overlay****INSTALLATION**

The painted surface of the body panel to be covered by a tape stripe overlay must be smooth and completely cured before overlay can be applied. If painted surface is not smooth, wet sand with 600 grit wet/dry sand paper until surface is smooth. Ripples and feather edging will read through overlay if surface is

not properly prepared. Clean all residue from surface.

Installation equipment:

- Pail filled with mild dish soap solution.
- Lint free applicator cloth or sponge.
- Body putty applicator squeegee.
- Heat gun or sun lamp.
- Razor knife.

(1) Spread replacement tape stripe overlay across a smooth flat work surface, finish side down.

(2) Peel paper backing away from overlay exposing adhesive back of overlay.

(3) Apply soap solution liberally to adhesive back of overlay.

(4) Apply soap solution liberally to body panel surface.

(5) Place overlay into position on body panel. Smooth out wrinkles by pulling lightly on edges of overlay until it lays flat on painted surface.

(6) Push air pockets from under overlay to the perimeter of the panel from the center of the overlay out.

(7) Squeegee soap solution and air bubbles from behind overlay from the center of the panel out using a body putty applicator squeegee (Fig. 78).

CAUTION: Do not cut into painted surface of body panel when trimming overlay to size.

(8) Trim overlay to size using a razor knife. Leave at least 13 mm (0.5 in.) for edges of doors and openings.

CAUTION: Do not overheat overlay when performing step 9.

(9) Apply heat to overlay to evaporate residual moisture from edges of overlay and to allow overlay to be stretched into concave surfaces.

(10) Edge turn overlay around doors or fenders.

(11) Install exterior trim if necessary.

(12) Small air or water bubbles under overlay can be pierced with a pin and smoothed out.

BODY SIDE MOLDINGS**REMOVAL**

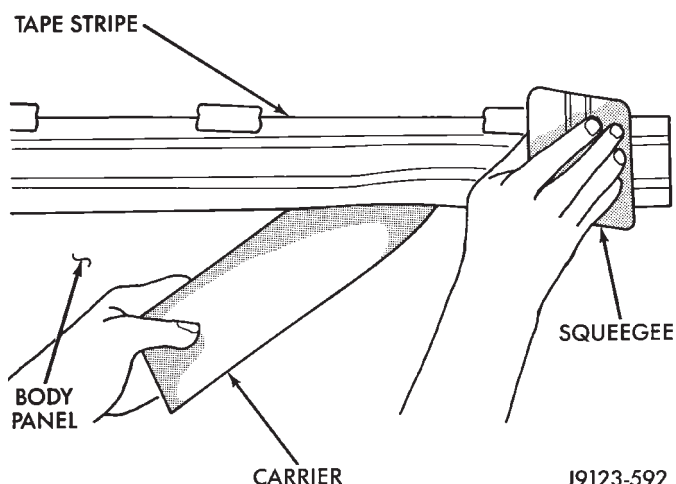
(1) Warm the effected stick-on molding and body metal to approximately 38°C (100°F) using a suitable heat lamp or heat gun.

(2) Pull stick-on molding from painted surface (Fig. 79), (Fig. 80) and (Fig. 81).

INSTALLATION

(1) Clean body surface with MOPAR Super Kleen solvent or equivalent. Wipe surface dry with lint free cloth.

REMOVAL AND INSTALLATION (Continued)

**Fig. 78 Tape Stripe Application**

(2) Apply a length of masking tape on the body, parallel to the top edge of the molding to use as a guide, if necessary.

(3) Remove protective cover from tape on back of molding. Apply molding to body below the masking tape guide.

(4) Remove masking tape guide and heat body and molding, see step one. Firmly press molding to body surface to assure adhesion.

FUEL FILL DOOR**REMOVAL**

- (1) Open fuel fill door.
- (2) Remove bolts holding fuel fill door to cargo box quarter panel (Fig. 82).
- (3) Separate fuel fill door from vehicle.

INSTALLATION

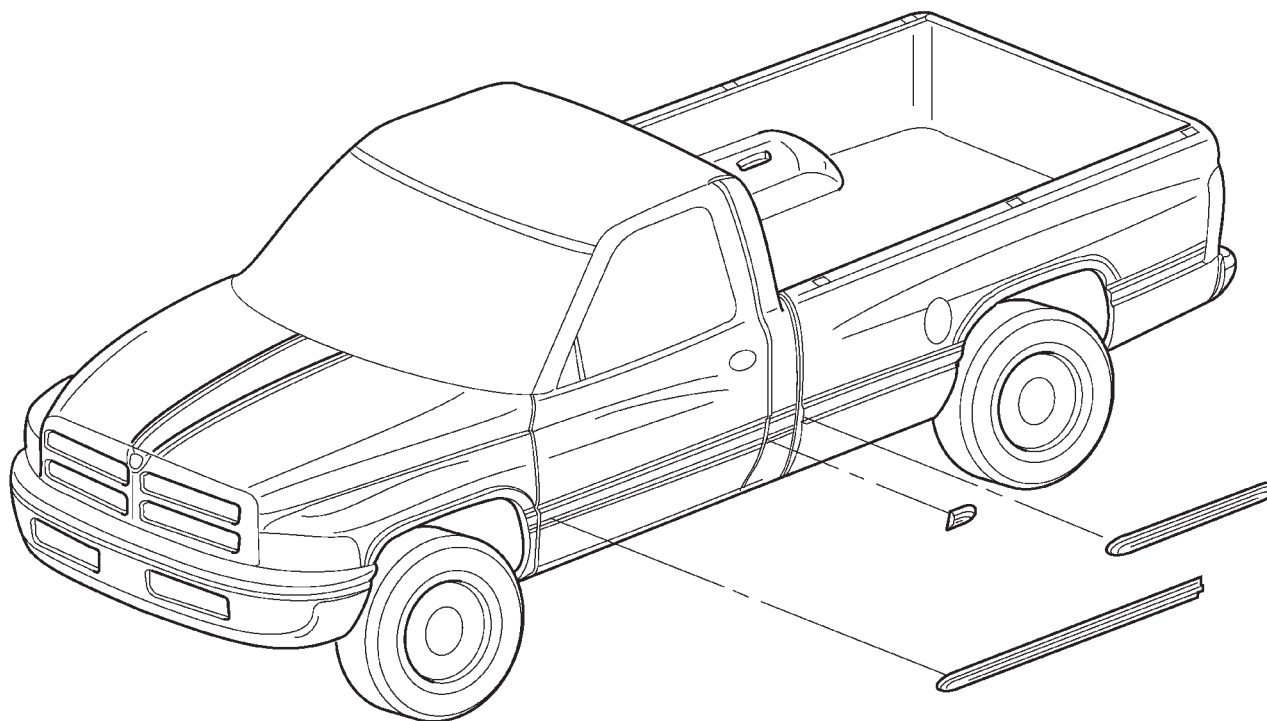
Reverse the preceding operation.

REAR SPLASH SHIELDS**REMOVAL**

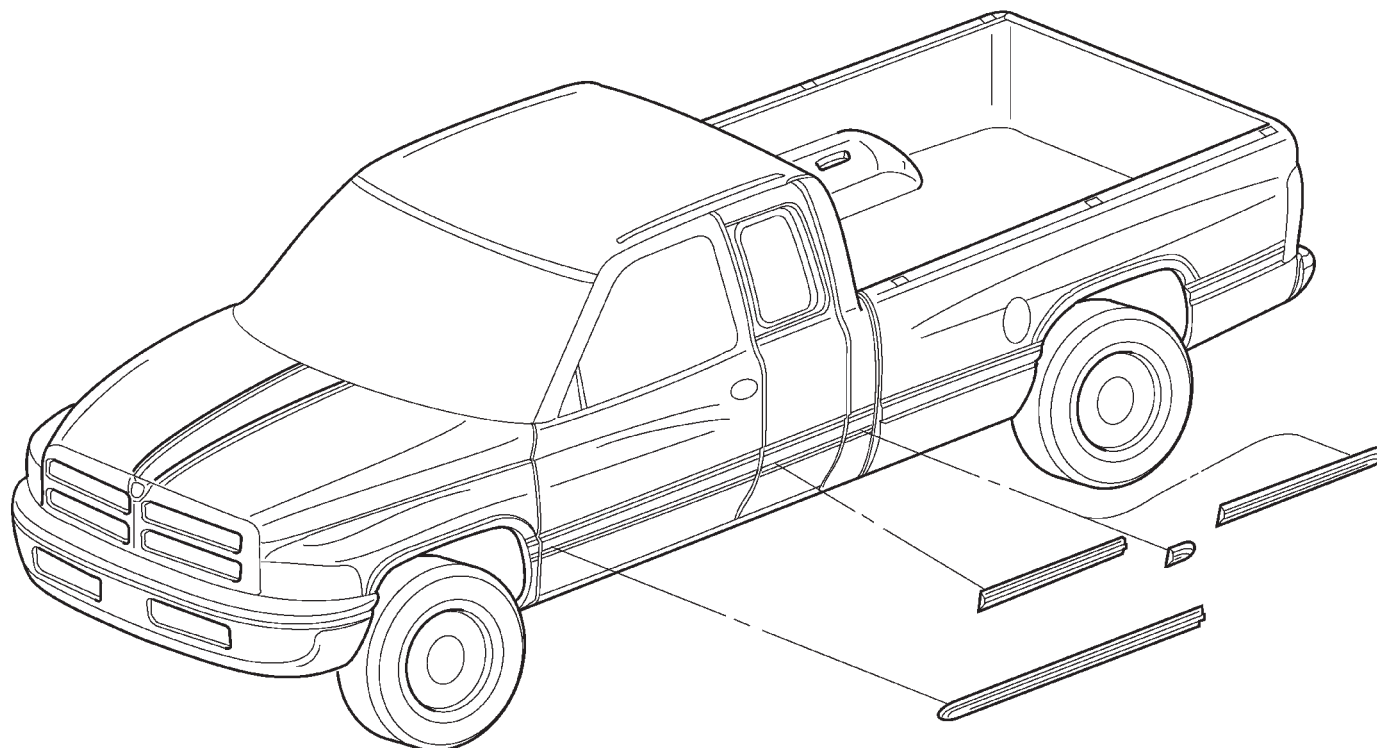
- (1) Remove plastic rivets holding rear splash shield to rear wheel opening lip (Fig. 83).
- (2) Remove plastic rivets holding rear splash shield to rear wheelhouse.
- (3) Separate splash shield from vehicle.

INSTALLATION

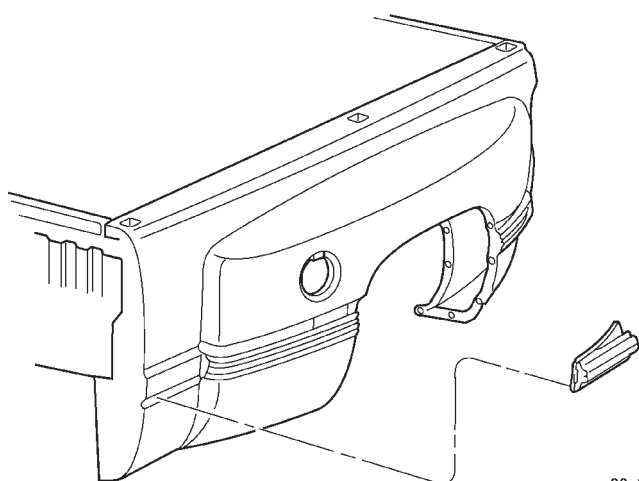
- (1) Position splash shield in wheelhouse opening.
- (2) Install plastic rivets holding rear splash shield to rear wheelhouse.
- (3) Install plastic rivets holding rear splash shield to rear wheel opening lip.

**Fig. 79 Body Side Moldings—Conventional Cab**

REMOVAL AND INSTALLATION (Continued)



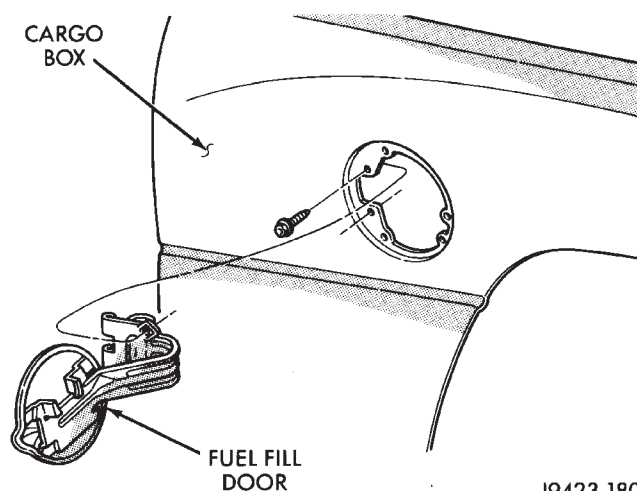
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Fig. 80 Body Side Moldings—Club/Quad Cab

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**Fig. 81 Body Side Moldings—Dual Wheel
REAR WHEELHOUSE LINER****REMOVAL**

- (1) Remove plastic rivets holding rear wheelhouse liner to rear wheel opening lip (Fig. 84).
- (2) Remove plastic rivets holding rear wheelhouse liner to rear wheelhouse.
- (3) Separate rear wheelhouse liner from vehicle.

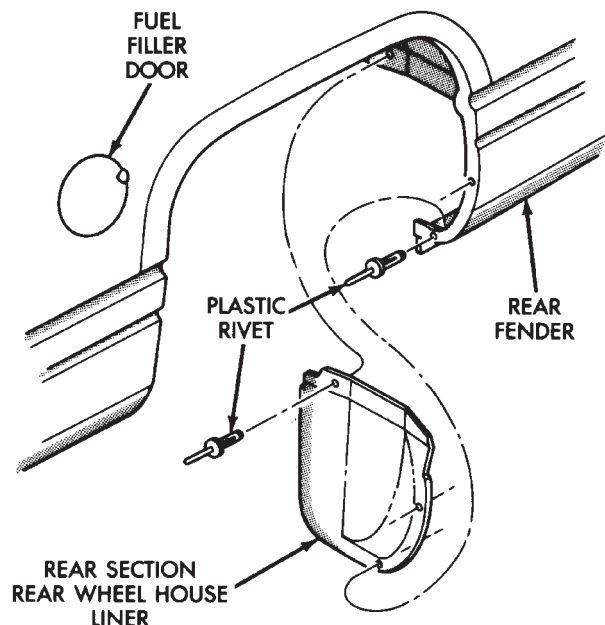


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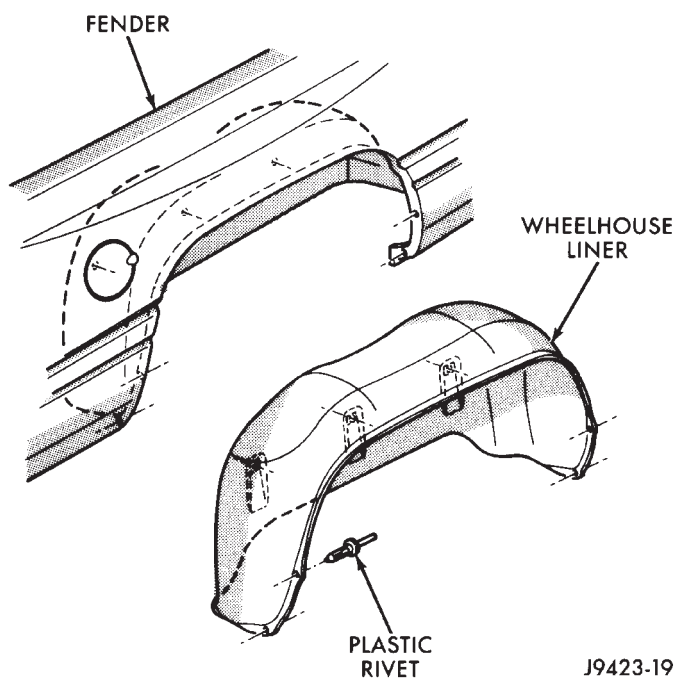
Fig. 82 Fuel Fill Door**INSTALLATION**

- (1) Position rear wheelhouse liner in wheelhouse opening.
- (2) Install plastic rivets holding rear wheelhouse liner to rear wheelhouse.
- (3) Install plastic rivets holding rear wheelhouse liner to rear wheel opening lip.

REMOVAL AND INSTALLATION (Continued)



J9423-20

Fig. 83 Rear Splash Shields

J9423-19

**Fig. 84 Rear Wheelhouse Liner
REAR FENDER (DUAL REAR WHEELS)****REMOVAL**

- (1) Open fuel fill door, left side only.
- (2) Remove screws holding fuel fill neck to rear fender opening.
- (3) Remove tail lamp, refer to Group 8L, Lamps for proper procedures.

(4) Remove nuts holding rear fender to cargo box side panel through tail lamp opening.

(5) Remove clearance lamps, refer to Group 8L, Lamps for proper procedures.

(6) Remove sockets from clearance lamps.

(7) Remove bolts holding bottom of fender to cargo box forward of rear wheel.

(8) Remove bolts holding bottom of fender to cargo box rearward of rear wheel.

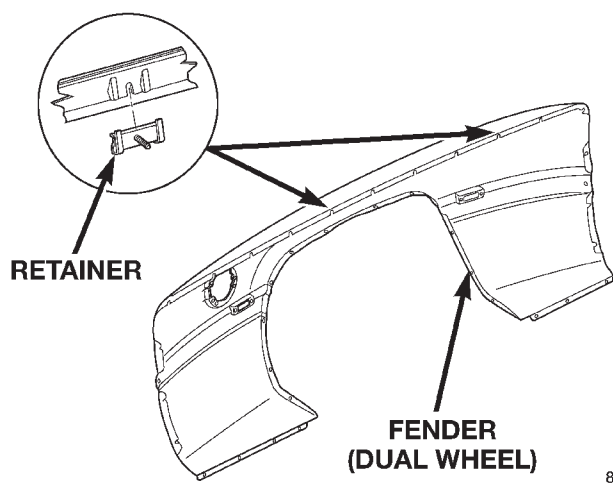
(9) Remove rear wheelhouse splash shields and liner

(10) Remove nuts holding front of rear fender to cargo box from behind side panel forward of wheelhouse.

(11) Remove screws holding access panel to top of wheelhouse.

(12) Remove nuts holding rear fender to cargo box through access hole in to of wheelhouse.

(13) Separate rear fender from cargo box side panel (Fig. 85).



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Fig. 85 Rear Fender—Dual Wheels**INSTALLATION**

- Ensure the retainers are in good condition.
Reverse the preceding operation.

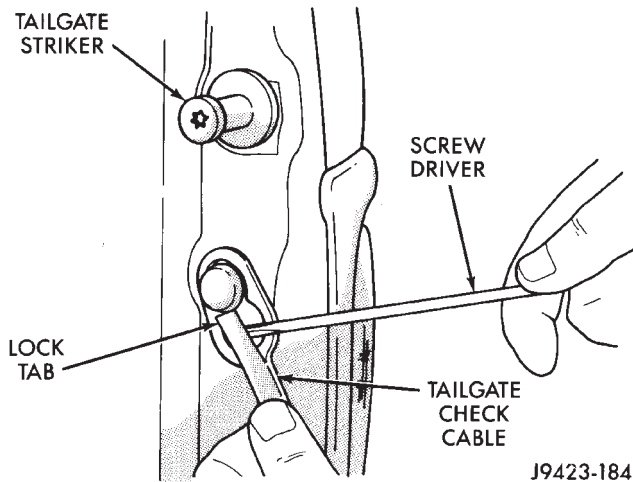
TAILGATE CHECK CABLE**REMOVAL**

- (1) Release tailgate latch and open tailgate.
- (2) Pry lock tab outward to clear stud head on cargo box (Fig. 86).
- (3) Push cable end forward until stud head is in clearance hole portion of cable end.
- (4) Separate cable end from stud.
- (5) Remove screw holding cable to tailgate.
- (6) Separate check cable from tailgate.

INSTALLATION

- Reverse the preceding operation.

REMOVAL AND INSTALLATION (Continued)

**Fig. 86 Tailgate Check Cable**

J9423-184

TAILGATE**REMOVAL**

- (1) Release tailgate latch and open tailgate.
- (2) Disconnect tailgate marker light harness, if equipped.
- (3) Disconnect tailgate check cable.
- (4) Close tailgate until the notch in the right hand collar aligns with the pivot pin.
- (5) Slip tailgate hinge collar from hinge pins.
- (6) Slide tailgate to the right and separate left hand collar from the pivot pin.
- (7) Separate tailgate from vehicle.

INSTALLATION

Reverse the preceding operation.

TAILGATE HANDLE ESCUTCHEON**REMOVAL**

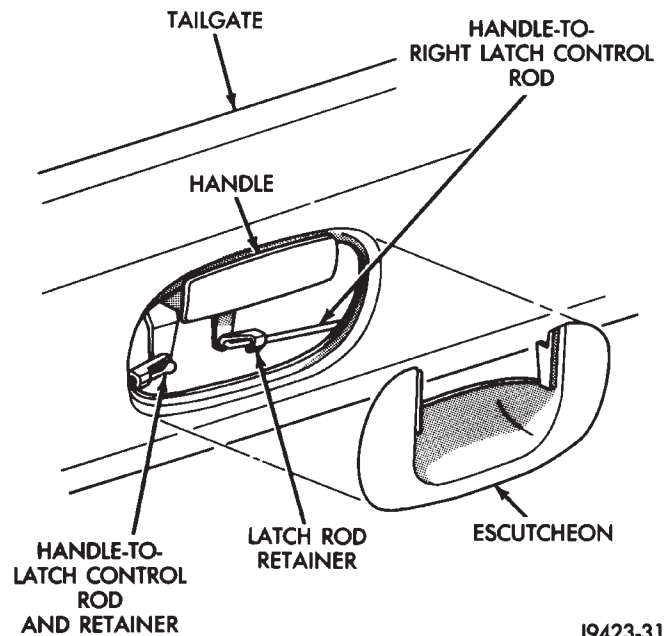
- (1) Lift and hold tailgate latch release handle.
- (2) Using a trim stick (C-4755), pry bottom of escutcheon outward to disengage clips.
- (3) Rotate escutcheon upward to disengage clip above release handle.
- (4) Lift escutcheon upward from behind release handle.
- (5) Separate escutcheon from vehicle (Fig. 87).

INSTALLATION

Reverse the preceding operation.

TAILGATE LATCH HANDLE**REMOVAL**

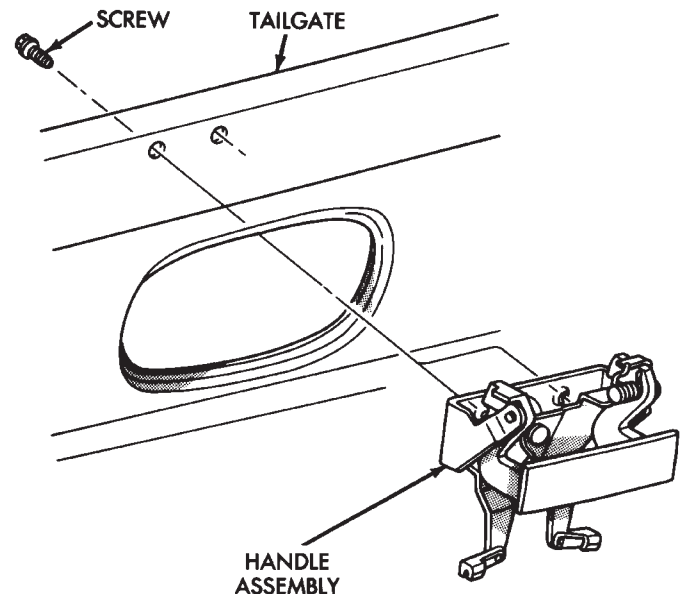
- (1) Remove tailgate latch handle escutcheon.
- (2) Disengage clips holding linkage rods to latch handle.



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Fig. 87 Tailgate Handle Escutcheon

- (3) Separate linkage rods from handle.
- (4) Remove screws holding latch handle to tailgate (Fig. 88).
- (5) Separate latch handle from vehicle.



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Fig. 88 Tailgate Latch Handle**INSTALLATION**

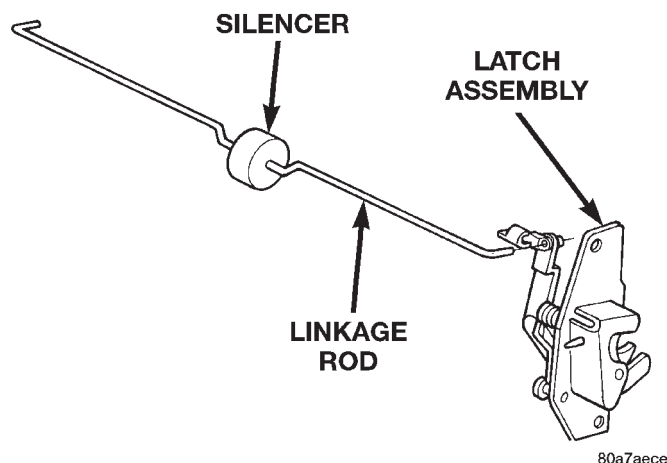
Reverse the preceding operation.

REMOVAL AND INSTALLATION (Continued)

TAILGATE LATCH

REMOVAL

- (1) Remove tailgate latch handle escutcheon.
- (2) Release tailgate latch and open tailgate.
- (3) Disengage linkage rod from latch handle (Fig. 89).
- (4) Remove screws holding latch to tailgate.
- (5) Separate latch from tailgate.
- (6) Pull latch and linkage rod from tailgate.

**Fig. 89 Tailgate Latch**

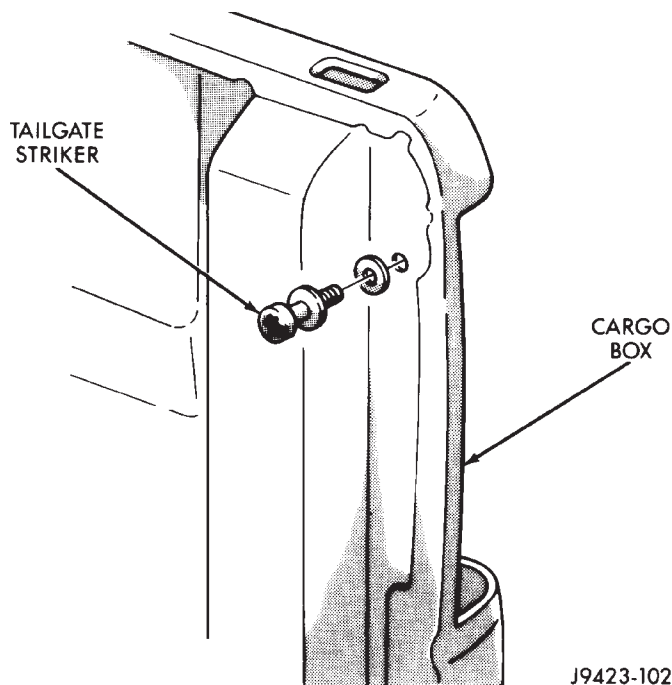
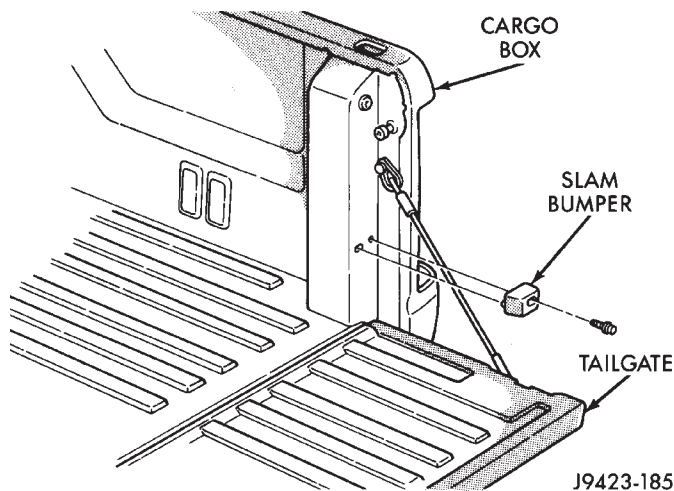
INSTALLATION

Reverse the preceding operation.

TAILGATE LATCH STRIKER

REMOVAL

- (1) Open tailgate.
- (2) Mark outline of striker on cargo box jamb to aid installation.
- (3) Using a Torx drive wrench, remove striker from cargo box (Fig. 90).

**Fig. 90 Tailgate Latch****Fig. 91 Tailgate Slam Bumper**

INSTALLATION

Reverse the preceding operation.

TAILGATE SLAM BUMPER

REMOVAL

- (1) Release tailgate latch and open tailgate.
- (2) Remove screw holding slam bumper to cargo box (Fig. 91).
- (3) Separate slam bumper from vehicle.

INSTALLATION

- (1) Position slam bumper on vehicle.
- (2) Install screw holding slam bumper to cargo box.
- (3) Close tailgate and verify operation.

TAILGATE DECALS

REMOVAL

- (1) Warm the panel to approximately 38°C (100°F) using a suitable heat lamp or heat gun.
- (2) Peel tape stripe from body panel using an even pressure pull.
- (3) Remove adhesive residue from body panel using a suitable adhesive removing solvent.

INSTALLATION

- (1) Clean painted body surface with Mopar Super Clean solvent or equivalent and a lint free cloth.
- (2) Remove protective cover from back side of decal.

REMOVAL AND INSTALLATION (Continued)

- (3) Position decal properly on body.
- (4) Press decal firmly to body with palm of hand.
- (5) If temperature is below 21°C (70°F) warm decal with a heat lamp or gun to assure adhesion. Do not exceed 65°C (150°F) when heating emblem.

TAILGATE APPLIQUE

REMOVAL

- (1) Apply a length of masking tape on the body, parallel to the top edge of the applique to use as a guide, if necessary.
- (2) Warm the tailgate applique and tailgate metal to approximately 38°C (100°F) using a suitable heat lamp or heat gun.
- (3) Pull applique from tailgate (Fig. 92).

INSTALLATION

- (1) Remove adhesive tape residue from painted surface of tailgate.
- (2) If applique is to be reused, remove tape residue from applique. Clean back of applique with MOPAR, Super Kleen solvent or equivalent. Wipe molding dry with lint free cloth. Apply new body side molding (two sided adhesive) tape to back of applique.
- (3) Clean tailgate surface with MOPAR, Super Kleen solvent or equivalent. Wipe surface dry with lint free cloth. An adhesion promoter must be applied to ensure proper applique adhesion.
- (4) Remove protective cover from tape on back of applique. Apply applique to body below the masking tape guide.
- (5) Remove masking tape guide and heat tailgate and applique, see step one. Firmly press applique to tailgate to assure adhesion.

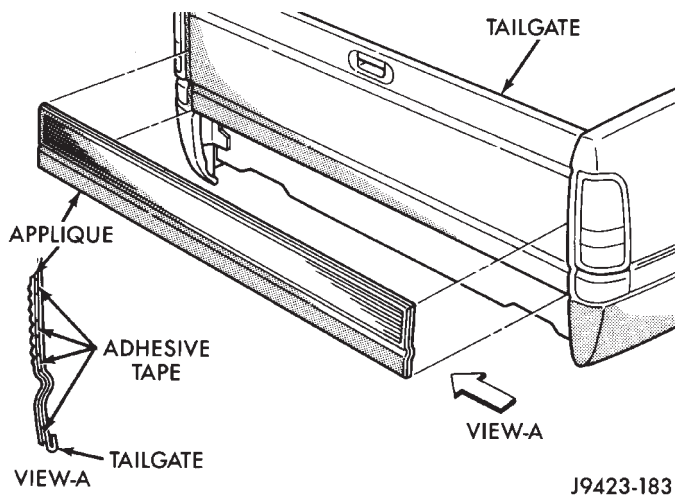


Fig. 92 Tailgate Applique

CARGO BOX

REMOVAL

- (1) Open fuel fill door.
- (2) Remove screws holding fuel fill neck adaptor to cargo box side wall.
- (3) Separate fuel fill neck from cargo box.
- (4) Disengage tail lamp wire connector from main body harness at left rear frame rail.
- (5) Remove bolts holding cargo box to frame rails (Fig. 93).
- (6) Using a suitable lifting device, separate cargo box from vehicle.

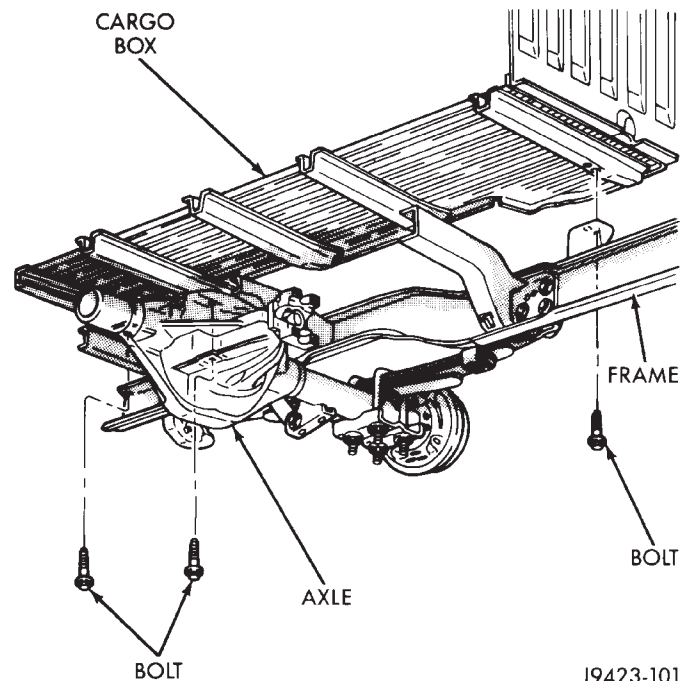


Fig. 93 Cargo Box

INSTALLATION

Reverse the preceding operation.

DOOR SILL TRIM COVER

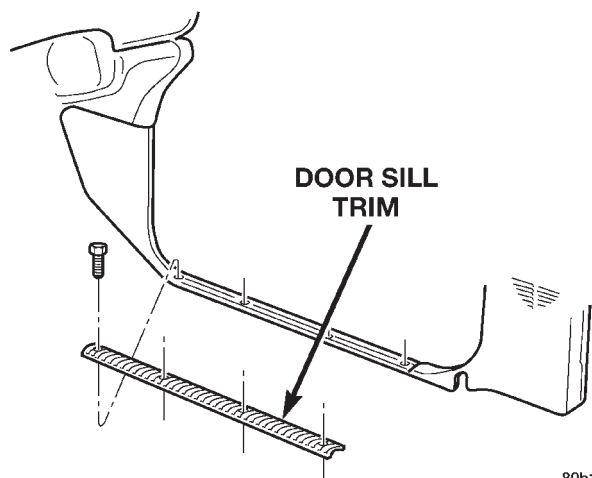
REMOVAL

- (1) Remove screws attaching door sill trim cover to door sill (Fig. 94) and (Fig. 95).
- (2) Separate door sill trim cover from door sill.

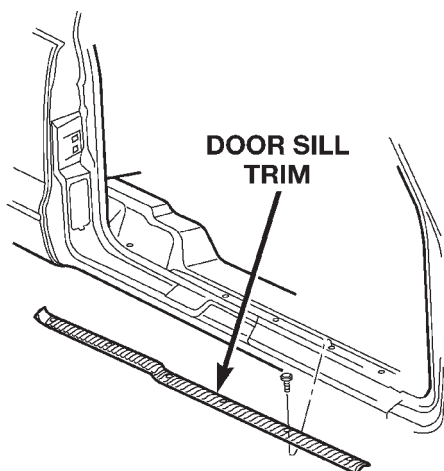
INSTALLATION

- (1) Position door sill trim cover on door sill.
- (2) install screws attaching door sill trim cover to door sill.

REMOVAL AND INSTALLATION (Continued)



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Fig. 94 Door Sill Trim Cover

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**Fig. 95 Door Sill Trim Cover—Quad Cab
COWL TRIM COVER****REMOVAL**

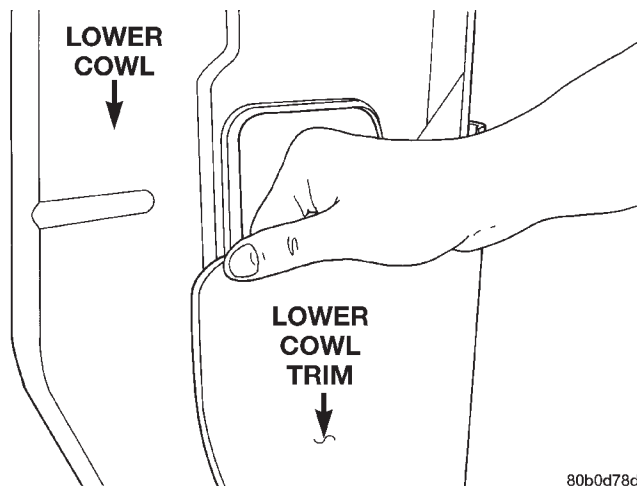
- (1) Remove front door sill trim cover.
- (2) Grasp center upper edge of cowl trim cover (Fig. 96) and pull outward allowing cowl trim cover to bow in the center releasing trim cover retaining tab (Fig. 97).
- (3) Separate cowl trim cover from lower cowl.

INSTALLATION

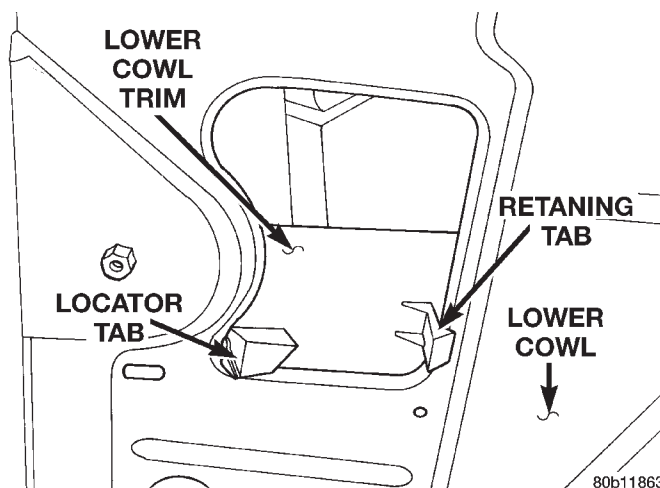
- (1) Position cowl trim cover on lower cowl.
- (2) Press into place.
- (3) Install front door sill trim cover.

A-PILLAR GRAB HANDLE**REMOVAL**

- (1) Using a small flat blade screw driver, pry trim plugs from A-pillar grab handle.
- (2) Remove screws attaching grab handle to A-pillar (Fig. 98).



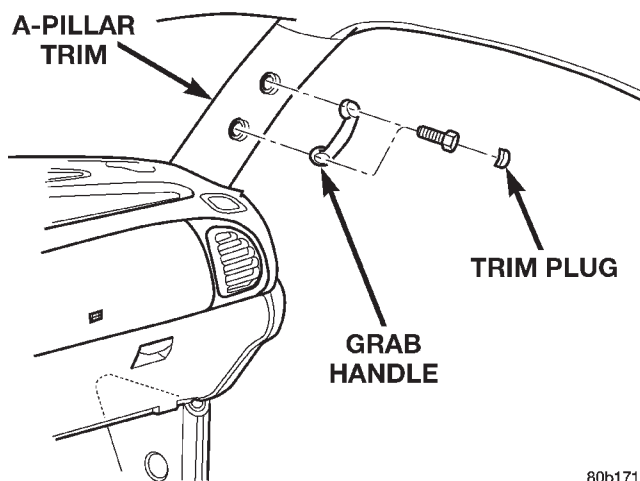
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Fig. 96 Lower Cowl Trim Cover

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Fig. 97 Lower Cowl Trim Cover Retaining Tab

- (3) Separate A-pillar grab handle from vehicle.



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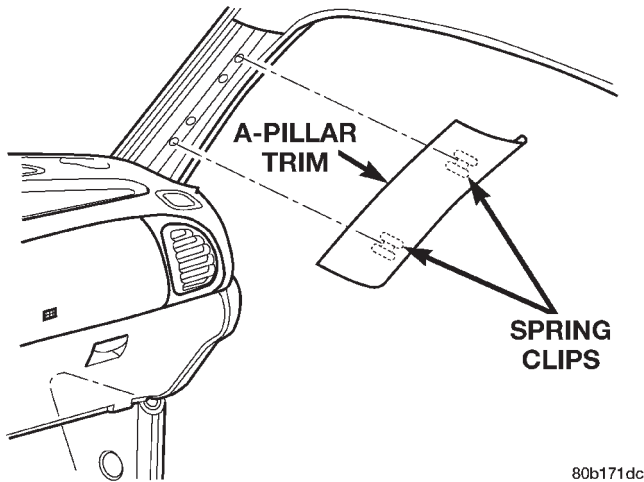
Fig. 98 A-pillar Grab Handle (4X4)**INSTALLATION**

- (1) Position grab handle on A-pillar.
- (2) Install screws attaching grab handle to A-pillar (Fig. 98).
- (3) Install trim plugs in A-pillar grab handle.

REMOVAL AND INSTALLATION (Continued)

A-PILLAR TRIM**REMOVAL**

- (1) Remove A-pillar grab handle, if equipped.
- (2) Grasp A-pillar trim at top and pull outward/downward to disengage upper spring clip (Fig. 99).
- (3) Carefully pull bottom of A-pillar trim outward to disengage lower spring clip.
- (4) Disengage speaker harness connector, if equipped.
- (5) Separate A-pillar trim from vehicle.

**Fig. 99 A-pillar Trim****INSTALLATION**

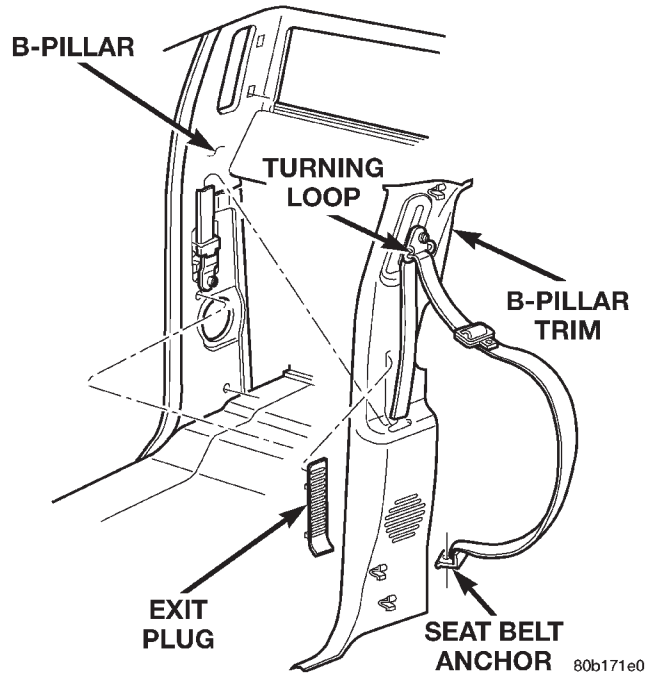
- (1) Position A-pillar trim in vehicle.
- (2) Engage speaker harness connector, if equipped.
- (3) Align spring clips and press into place.
- (4) Install A-pillar grab handle, if equipped.

B—PILLAR TRIM**REMOVAL**

- (1) Remove rear floor stowage tray.
- (2) Remove door sill cover as necessary to clear B-pillar trim.
- (3) Remove bolt attaching seat belt anchor to floor.
- (4) Pull turning loop cover up and remove bolt attaching turning loop to B-pillar.
- (5) Remove seat belt exit plug (Fig. 100).
- (6) Disengage clips attaching B-pillar trim to upper B-pillar.
- (7) Separate B-pillar trim from B-pillar.
- (8) Route seat belt webbing through opening in B-pillar trim.

INSTALLATION

- (1) Route seat belt webbing through opening in B-pillar trim.
- (2) Position B-pillar trim at B-pillar.
- (3) Starting at the top, engage clips attaching B-pillar trim to upper B-pillar.
- (4) Install seat belt exit plug.

**Fig. 100 B-Pillar Trim**

- (5) Install bolt attaching turning loop to B-pillar and install turning loop cover.
- (6) Install bolt attaching seat belt anchor to floor.
- (7) Install door sill cover.
- (8) Install rear floor stowage tray.

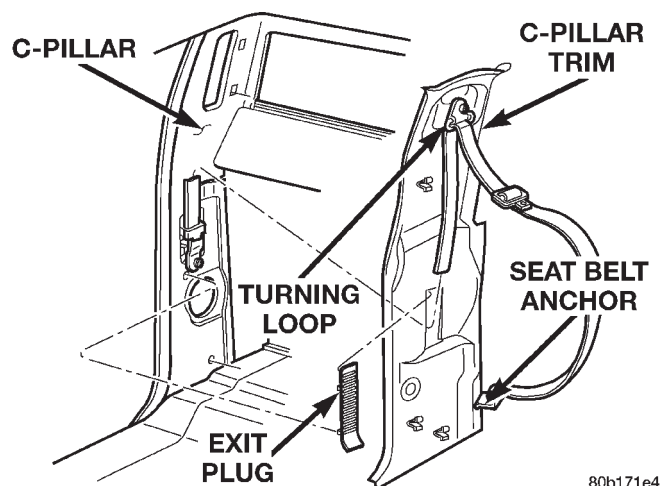
C—PILLAR TRIM**REMOVAL**

- (1) Remove rear floor stowage tray.
- (2) Remove door sill cover as necessary to clear C-pillar trim.
- (3) Remove bolt attaching seat belt anchor to floor.
- (4) Pull turning loop cover up and remove bolt attaching turning loop to C-pillar.
- (5) Remove seat belt exit plug (Fig. 101).
- (6) Disengage clips attaching C-pillar trim to upper C-pillar.
- (7) Separate C-pillar trim from C-pillar.
- (8) Route seat belt webbing through opening in C-pillar trim.

INSTALLATION

- (1) Route seat belt webbing through opening in C-pillar trim.
- (2) Position C-pillar trim at C-pillar.
- (3) Starting at the top, engage clips attaching C-pillar trim to upper C-pillar.
- (4) Install seat belt exit plug.
- (5) Install bolt attaching turning loop to C-pillar and install turning loop cover.
- (6) Install bolt attaching seat belt anchor to floor.
- (7) Install door sill cover.
- (8) Install rear floor stowage tray.

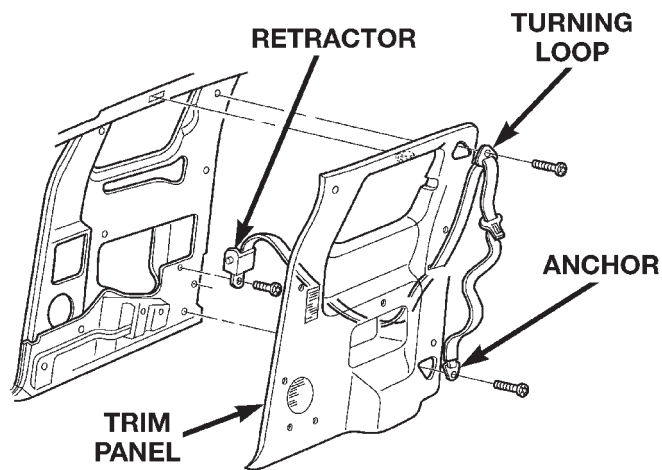
REMOVAL AND INSTALLATION (Continued)



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Fig. 101 C-pillar Trim**QUARTER TRIM PANEL—CLUB CAB****REMOVAL**

- (1) Remove rear seat. Refer to the removal procedure in this section, if necessary.
- (2) Remove door sill cover as necessary to clear quarter trim.
- (3) Remove lower seat belt anchor bolt (Fig. 102).
- (4) Remove seat belt tuning loop anchor bolt.
- (5) Disengage clips attaching quarter trim panel from quarter panel.
- (6) Route seat belt webbing through opening in quarter trim panel and remove panel from vehicle.



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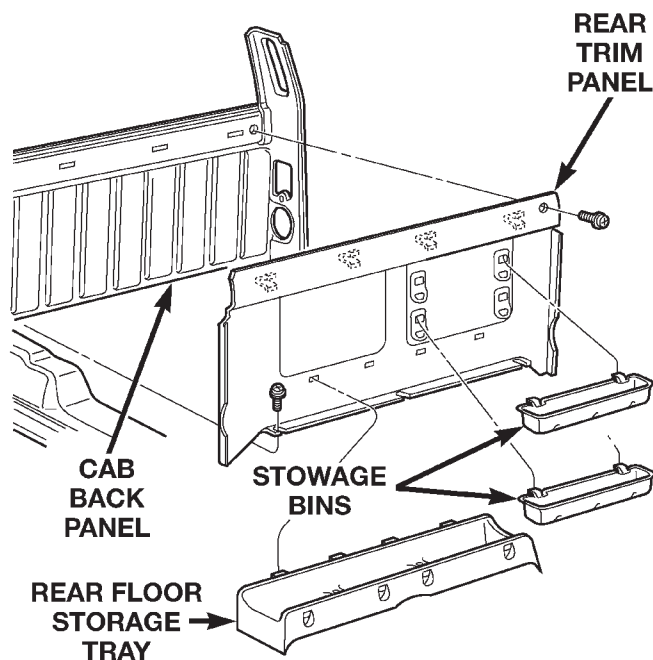
Fig. 102 Quarter Trim Panel—Club Cab**INSTALLATION**

- (1) Position trim panel in vehicle and route seat belt webbing through opening in quarter trim panel.
- (2) Open quarter vent window.
- (3) Position trim panel on quarter panel and engage clips on upper portion of panel.

- (4) Engage clips attaching lower portion of quarter trim panel to quarter panel.
- (5) Install lower seat belt anchor bolt.
- (6) Install door sill cover as necessary.
- (7) Install rear seat. Refer to the installation procedure in this section, if necessary.

REAR CLOSURE PANEL TRIM**REMOVAL**

- (1) Remove quarter trim panels.
- (2) Remove rear floor stowage tray.
- (3) Remove screws attaching bottom of rear closure panel trim to floor pan (Fig. 103).
- (4) Remove screws attaching rear closure panel trim to cab back panel.
- (5) Disengage clips attaching top of rear closure panel trim to cab back panel.
- (6) Separate rear closure panel trim from vehicle.



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Fig. 103 Rear Closure Panel Trim**INSTALLATION**

- (1) Position rear closure panel trim in vehicle.
- (2) Align and engage clips attaching top of rear closure panel trim to cab back panel.
- (3) Install screws attaching rear closure panel trim to cab back panel.
- (4) Install screws attaching bottom of rear closure panel trim to floor pan (Fig. 103).
- (5) Install rear floor stowage tray.
- (6) Install quarter trim panels.

REMOVAL AND INSTALLATION (Continued)

SEAT BELT RETRACTOR—CONVENTIONAL CAB

WARNING: Inspect the shoulder belt, retractor and buckle. Replace the belt or buckle that is either cut, frayed, torn or damaged. Replace the belt if the retractor is inoperative.

REMOVAL

- (1) Remove bolt attaching shoulder belt lower anchor to floor at base of quarter trim panel (Fig. 104).
- (2) Remove quarter trim panel.
- (3) Remove bolt attaching seat belt turning loop to B-pillar (Fig. 105).
- (4) Separate turning loop from B-pillar.
- (5) Disengage body harness wire connector from seat belt retractor (drivers side only).
- (6) Remove bolt attaching seat belt retractor to quarter panel.
- (7) Separate seat belt retractor from vehicle.

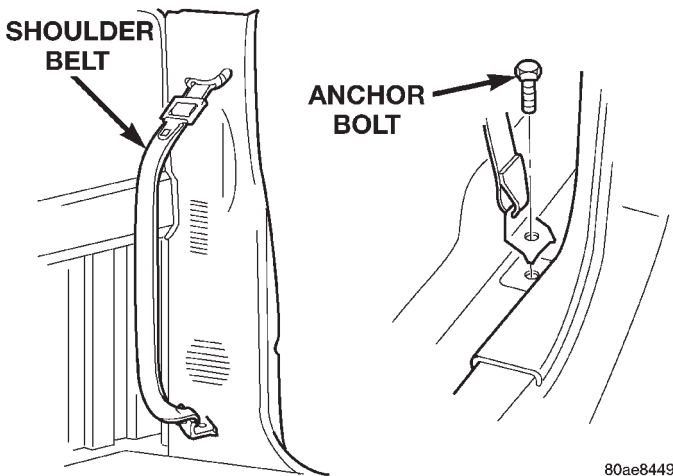


Fig. 104 Shoulder Belt Anchor

INSTALLATION

- (1) Position seat belt retractor in vehicle.
- (2) Install bolt attaching seat belt retractor to quarter panel. Tighten bolt to 39 N·m (28 ft. lbs.) torque.
- (3) Engage body harness wire connector from seat belt retractor (drivers side only).
- (4) Position turning loop on B-pillar.
- (5) Install bolt attaching seat belt turning loop to B-pillar (Fig. 105). Tighten bolt to 39 N·m (28 ft. lbs.) torque.
- (6) Install quarter trim panel.
- (7) Install bolt attaching shoulder belt lower anchor to floor at base of quarter trim panel (Fig. 105). Tighten bolt to 39 N·m (28 ft. lbs.) torque.

FRONT SEAT BELT RETRACTOR—CLUB/QUAD CAB

The seat/shoulder belt and retractor is incorporated in each driver and passenger seat.

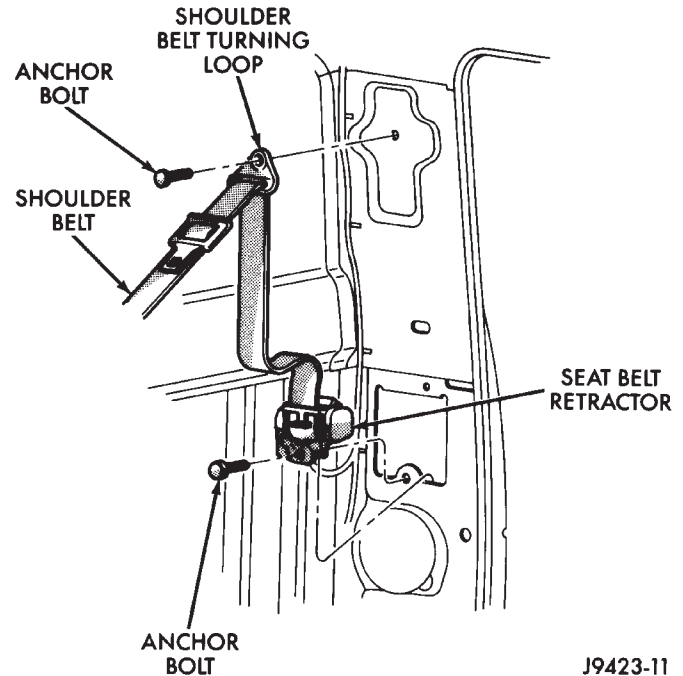


Fig. 105 Seat Belt Retractor

WARNING: Inspect the shoulder belt, retractor and buckle. Replace the belt or buckle that is either cut, frayed, torn or damaged. Replace the belt if the retractor is inoperative.

REMOVAL

- (1) Remove the seat back cover.
- (2) Remove the screws attaching the retractor cover to the seat back frame.
- (3) Disengage the wire connectors from the retractor.
- (4) Remove the bolts attaching the retractor to the seat back frame (Fig. 106).
- (5) Separate the retractor from the seat back frame.

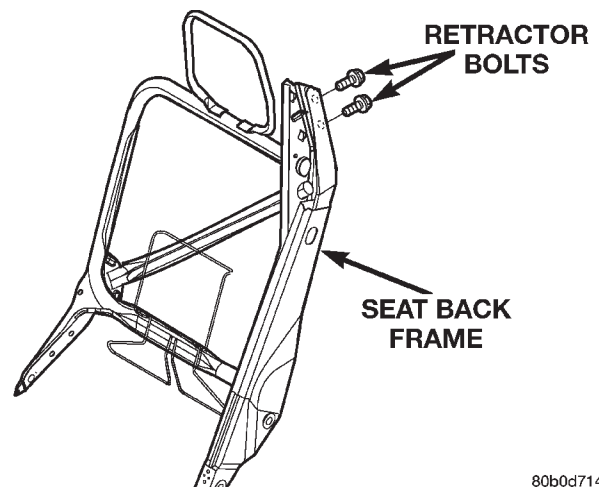


Fig. 106 Seat Belt Retractor

REMOVAL AND INSTALLATION (Continued)

INSTALLATION

- (1) Position the retractor in the seat back frame.
- (2) Install the bolts attaching the retractor to the seat back frame. Tighten the bolts to 16 N·m (11 ft. lbs.) torque.
- (3) Engage the wire connectors to the retractor.
- (4) Install screws attaching retractor cover to seat back frame.
- (5) Install seat back cover.

SEAT BELT BUCKLE

REMOVAL

- (1) Move seat to the forward position.
- (2) Hinge seat backs forward.
- (3) Remove bolt holding seat belt buckle to seat frame.
- (4) Separate seat belt buckle from vehicle.

INSTALLATION

Reverse the preceding operation. Install the seat belt buckle anchor nuts. Tighten to 40 N·m (30 ft. lbs.) torque.

REAR SEAT BELT BUCKLE

REMOVAL

- (1) Turn release handle on underside of rear seat to disengage seat cushion and move seat to the stowed position.

Access to rear seat belt buckle nuts can be obtained through an opening between the rear seat back and the floor.

- (2) Remove seat belt buckle anchor nuts (Fig. 107).
- (3) Separate seat belt buckle from vehicle.

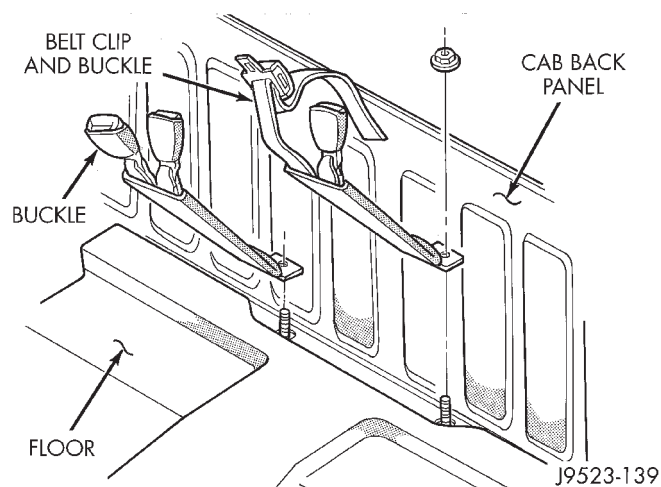


Fig. 107 Rear Seat Belt Buckle Removal

INSTALLATION

- (1) Position the seat belt buckle on the anchoring studs.
- (2) Install the seat belt buckle anchor nuts. Tighten to 40 N·m (30 ft. lbs.) torque.
- (3) Route the belts and buckles between the seat back and seat cushion.
- (4) Turn release handle to disengage seat from stowed position and push seat cushion downward to lock into place.

BENCH SEAT

REMOVAL

- (1) Move seat track to forward position.
- (2) Hinge seat backs forward.
- (3) Remove nuts holding rear of seat tracks to floor (Fig. 108).
- (4) Move seat track to rearward position.
- (5) Remove bolts holding front of seat tracks to floor.
- (6) Separate seat from vehicle.

INSTALLATION

Seat adjustment latch must be engaged prior to seat installation. Verify inboard and outboard seat latch operation.

Reverse the removal procedure.

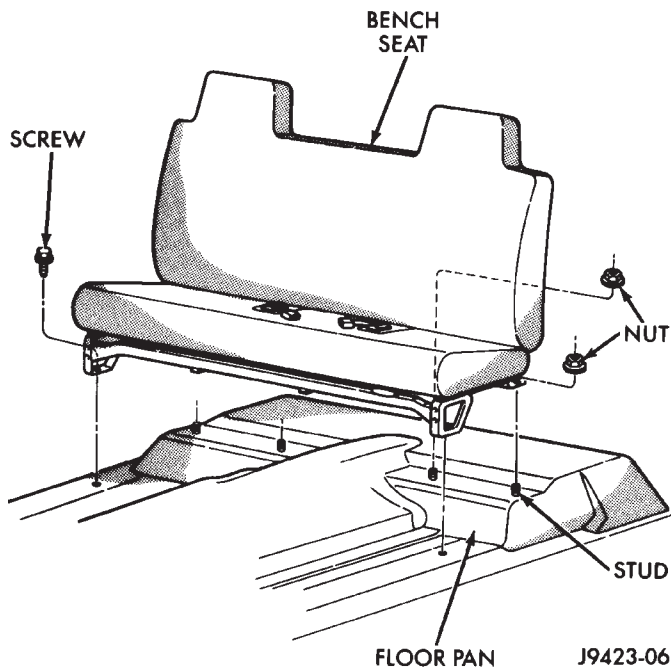
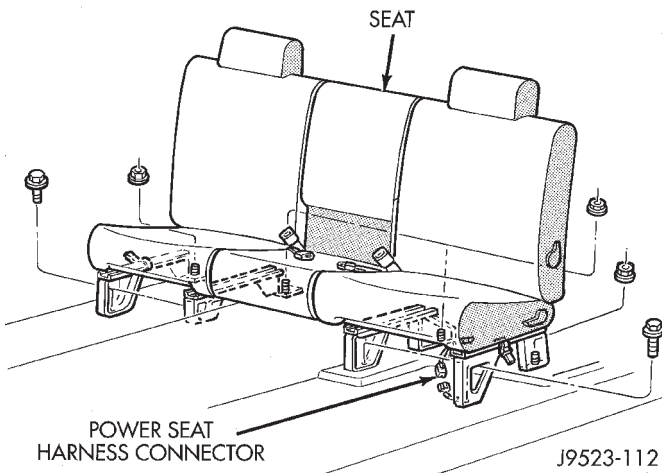


Fig. 108 Bench Seat

REMOVAL AND INSTALLATION (Continued)

SPLIT BENCH SEAT—CONVENTIONAL CAB**REMOVAL**

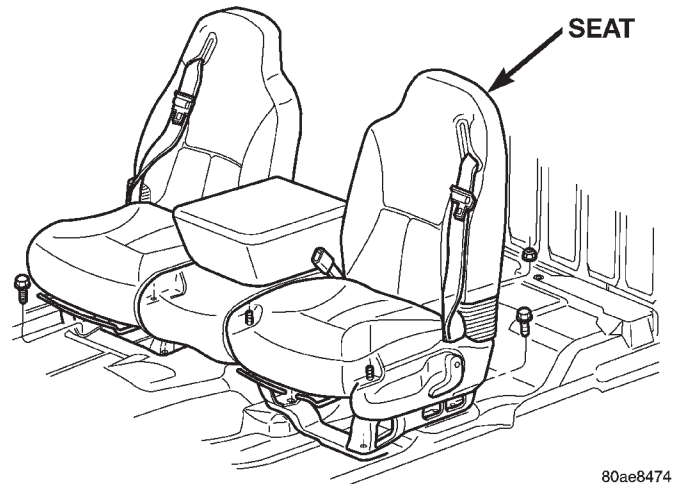
- (1) Move seat track to forward position.
- (2) Hinge seat back forward.
- (3) Disengage power seat wire connector from body harness, if equipped (Fig. 109).
- (4) Remove nuts holding outboard and inboard tracks to floor (Fig. 109).
- (5) Move seat track to forward position.
- (6) Remove bolt holding inboard seat track to bottom of center occupant seat.
- (7) Remove bolts holding front of seat tracks to floor.
- (8) Lift center occupant seat upward to clear rear attachment stud.
- (9) Separate seat from vehicle.

**Fig. 109 Split Bench Seat****INSTALLATION**

- (1) Position seat in vehicle.
- (2) Install bolts holding front of seat tracks to floor. Tighten the bolts with 28 N·m (250 in-lbs) torque.
- (3) Install bolt holding inboard seat track to bottom of center occupant seat. Tighten the bolt with 28 N·m (250 in-lbs) torque.
- (4) Install nuts holding outboard and inboard tracks to floor. Tighten the nuts with 40 N·m (30 ft. lbs.) torque.
- (5) Connect power seat wire connector to body harness, if equipped.

SPLIT BENCH SEAT—CLUB/QUAD CAB**REMOVAL**

- (1) Clamp seat belt to prevent belt from retracting.
- (2) Move seats to full rearward position.
- (3) Remove bolts attaching front of seat tracks to floor.
- (4) Move seats to full forward position.
- (5) Remove bolts attaching rear of outboard seat tracks to floor (Fig. 110).
- (6) Remove nuts attaching inboard seat tracks to floor.
- (7) Disengage power seat wire connector from body harness, if equipped.
- (8) Lift seats upward to clear rear studs.
- (9) With the aid of a helper, separate seat from vehicle.

**Fig. 110 Split Bench Seat—Club/Quad Cab****INSTALLATION**

- (1) Position seat in vehicle.
- (2) Engage power seat wire connector to body harness, if equipped.
- (3) Ensure seats are in full forward position.
- (4) Install outboard bolts attaching rear of seat tracks to floor (Fig. 110). Tighten the bolts with 54 N·m (40 ft. lbs.) torque.
- (5) Install nuts attaching inboard seat tracks to floor. Tighten the nuts with 40 N·m (30 ft. lbs.) torque.
- (6) Move seats to full forward position.
- (7) Install bolts attaching front of seat tracks to floor. Tighten the bolts with 54 N·m (40 ft. lbs.) torque.

REMOVAL AND INSTALLATION (Continued)

CENTER SEAT/CONSOLE

REMOVAL

- (1) Remove bolts on driver and passenger seat inboard seat tracks.
- (2) Separate center section.

INSTALLATION

- (1) Position and align center section on driver and passenger seat inboard seat tracks.
- (2) Install bolts. Tighten to 19.5 N·m (14 ft. lbs.) torque.

CONSOLE LID

REMOVAL

- (1) Open console lid.
- (2) Using a small flat blade screwdriver, disengage locking tabs located under the console lid trim bezel.
- (3) Separate bezel from lid.
- (4) Move driver and passenger seat to full forward position.
- (5) Using a small drift and hammer, tap out console lid hinge pin.
- (6) Separate lid from console.

INSTALLATION

- (1) Align console lid with console. Verify lid tension spring is in position.
- (2) Install hinge pin.
- (3) Position trim bezel on lid and snap into place.

STANCHION COVER

REMOVAL

- (1) Remove push-in fasteners attaching stanchion cover to seat stanchion (Fig. 111).
- (2) Separate cover from seat stanchion.

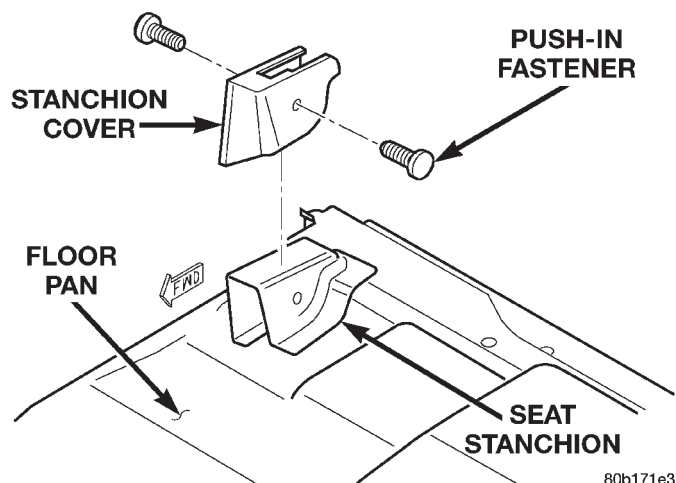


Fig. 111 Stanchion Cover

INSTALLATION

- (1) Position cover on seat stanchion.
- (2) Install push-in fasteners attaching stanchion cover to seat stanchion (Fig. 111).

REAR SEAT—CLUB CAB

REMOVAL

- (1) Move front seat track to full forward position.
- (2) Turn release handle on underside of rear seat (Fig. 112) to disengage seat cushion and move seat to the stowed position (Fig. 113).
- (3) Remove side support bracket screws and lift seat to disengage from cab (Fig. 114).

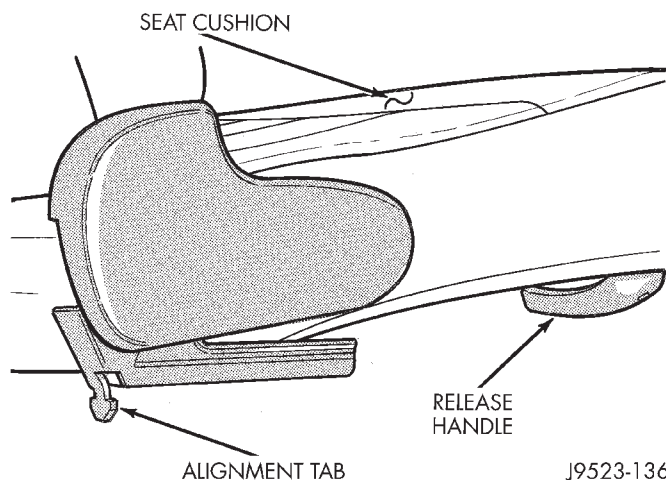


Fig. 112 Rear Seat Release Handle

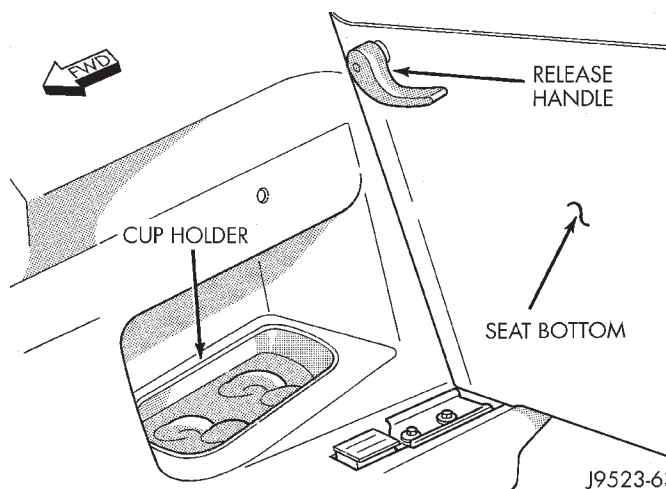


Fig. 113 Rear Seat Stowed

INSTALLATION

- (1) Position seat in vehicle.
- (2) Align seatback hooks with loops on cab rear panel (Fig. 114).
- (3) Align side support alignment tabs, and lower seat into place.

REMOVAL AND INSTALLATION (Continued)

(4) Install side support bracket screws. Tighten the screws to 28 N·m (250 in-lbs) torque.

(5) Turn release handle to disengage seat from stowed position and push seat cushion downward to lock into place.

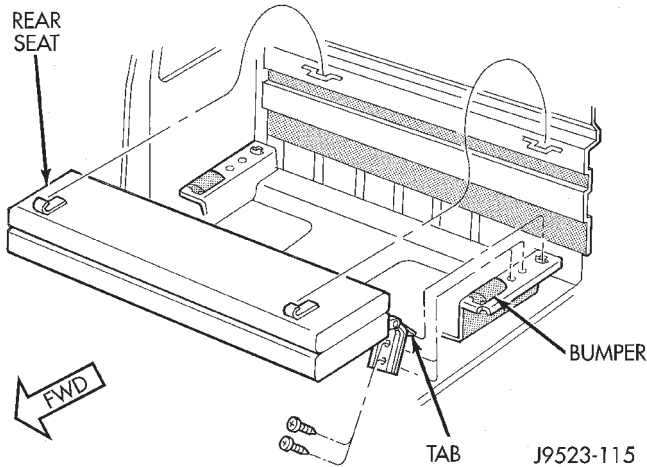


Fig. 114 Rear Seat Removal/Installation

FLOOR CONSOLE

REMOVAL

(1) Using a trim stick, pry the corner of the shift boot up and pull boot up to remove from console

(2) Remove the screws attaching the console to mounting brackets (Fig. 115).

(3) Lift the console upward.

(4) Disengage wire harness connector, if equipped.

(5) Route the shift boot(s) through the console.

(6) Separate console from vehicle.

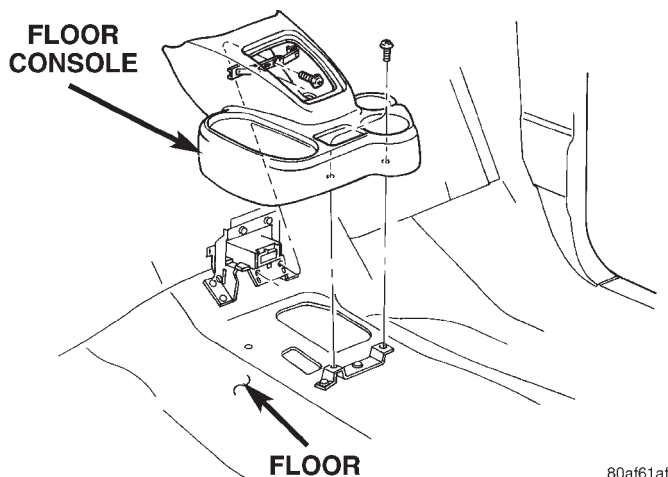


Fig. 115 Floor Console

INSTALLATION

(1) Position console in vehicle.

(2) Route the shift boot(s) through the console.

(3) Engage wire harness connector, if equipped.

(4) Position the console on the floor.

(5) Install shift boot on console

(6) Install the screws attaching the console to mounting brackets (Fig. 115).

FLOOR SHIFT BOOT—MANUAL TRANSMISSION

REMOVAL

(1) Pull edge of floor shift boot upward to expose fasteners (Fig. 116).

(2) Remove screws attaching floor shift boot to floor.

(3) Remove gear shift knob.

(4) Separate gear shift boot from floor.

(5) Lift floor shift boot off shifter.

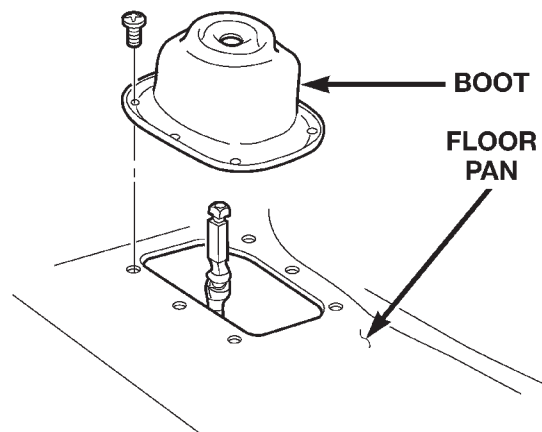


Fig. 116 Floor Shift Boot—Manual Transmission

INSTALLATION

(1) Position floor shift boot on shifter.

(2) Install gear shift knob.

(3) Install screws attaching floor shift boot to floor.

(4) Tuck edge of floor shift boot to secure.

4WD FLOOR SHIFT BOOT—MANUAL TRANSMISSION

REMOVAL

(1) Pull edge of floor shift boot upward to expose fasteners.

(2) Remove screws attaching floor shift boot to floor.

(3) Remove gear shift knob.

(4) Separate gear shift boot from floor.

(5) Lift floor shift boot off shifter.

INSTALLATION

(1) Position shift boot on shifter.

(2) Install gear shift knob.

(3) Install screws attaching floor shift boot to floor.

(4) Tuck edge of floor shift boot inward to cover fasteners.

REMOVAL AND INSTALLATION (Continued)

4WD FLOOR SHIFT BOOT— AUTOMATIC TRANSMISSION**REMOVAL**

- (1) Pull edge of floor shift boot upward to expose fasteners (Fig. 117).
- (2) Remove screws holding floor shift boot to floor.
- (3) Remove gear shift knob.
- (4) Separate gear shift boot from floor.
- (5) Lift floor shift boot off shifter.

INSTALLATION

Reverse the preceding operation.

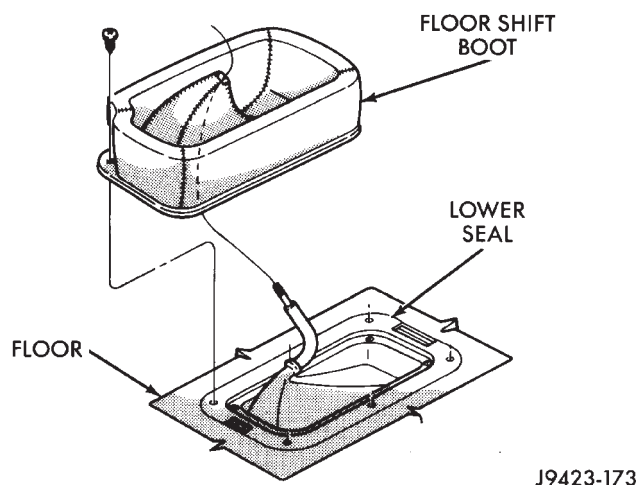


Fig. 117 4WD Floor Shift Boot—Automatic Transmission

REAR FLOOR STOWAGE TRAY**REMOVAL**

- (1) Move seat tracks to forward position.
- (2) Remove screws holding rear floor stowage tray to floor (Fig. 118).
- (3) Disengage hooks on stowage tray from slots in rear closure panel trim.
- (4) Separate rear floor stowage tray from vehicle.

INSTALLATION

Reverse the preceding operation.

FLOOR CARPET OR MAT**REMOVAL**

- (1) Remove seat.
- (2) Remove door sill and cowl trim covers.
- (3) Remove bolts holding lower seat belt anchors to floor.
- (4) Remove floor shift boot, if equipped.
- (5) Remove rear stowage tray.
- (6) Remove quarter trim panels.
- (7) Remove rear closure panel trim.
- (8) Fold carpet or mat toward center of cab.

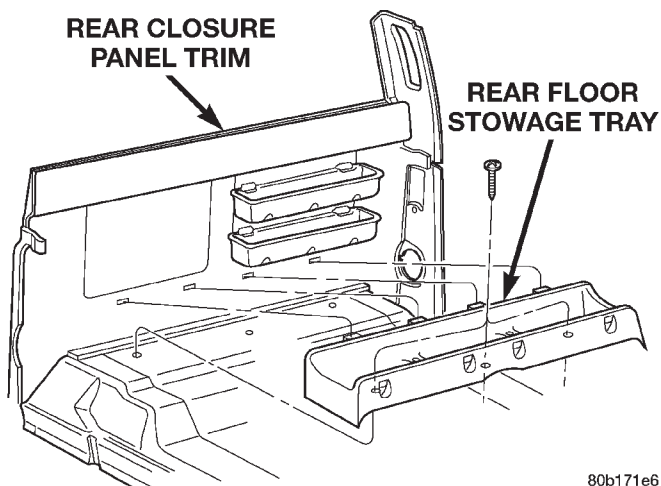


Fig. 118 Rear Floor Stowage Tray

- (9) Remove carpet or mat through door opening (Fig. 119).

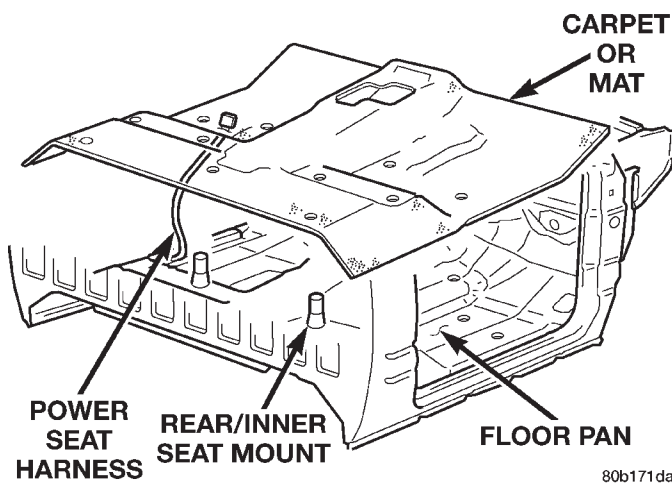


Fig. 119 Floor Carpet or Mat

INSTALLATION

- (1) Position carpet or mat in vehicle and align all holes (Fig. 119).
- (2) Install rear closure panel trim.
- (3) Install rear stowage tray.
- (4) Install floor shift boot, if equipped.
- (5) Install bolts holding lower seat belt anchors to floor.
- (6) Install cowl trim covers and door sill.
- (7) Install seat.

FLOOR CARPET OR MAT—CLUB CAB**REMOVAL**

- (1) Remove front and rear seats.
- (2) Remove door sill and cowl trim covers.
- (3) Remove floor shift boot, if equipped.
- (4) Remove emergency jack tool kit.
- (5) Remove rear seat belt buckles.

REMOVAL AND INSTALLATION (Continued)

- (6) Remove quarter trim panels.
- (7) Fold carpet or mat toward center of cab.
- (8) Remove carpet or mat through door opening.

INSTALLATION

Reverse the preceding operation.

REARVIEW MIRROR

REMOVAL

- (1) Loosen the mirror base setscrew (Fig. 120).
- (2) Slide the mirror base upward and off the bracket.

INSTALLATION

- (1) Position the mirror base at the bracket and slide it downward onto the support bracket.
- (2) Tighten the setscrew securely.

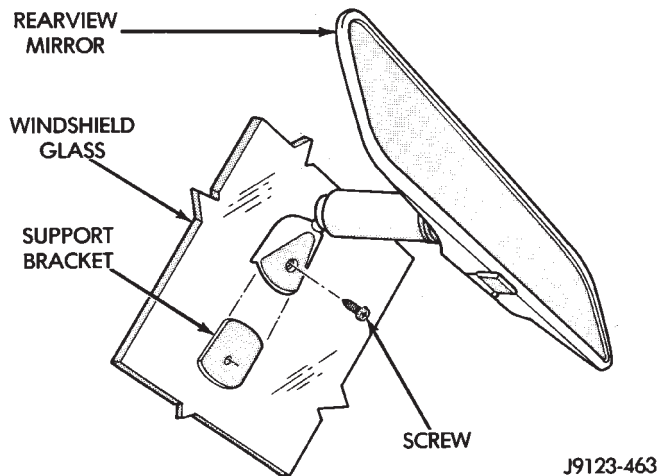


Fig. 120 Rearview Mirror

REARVIEW MIRROR SUPPORT BRACKET

INSTALLATION

- (1) Mark the position for the mirror bracket on the outside of the windshield glass with a wax pencil.
- (2) Clean the bracket contact area on the glass. Use a mild powdered cleanser on a cloth saturated with isopropyl (rubbing) alcohol. Finally, clean the glass with a paper towel dampened with alcohol.
- (3) Sand the surface on the support bracket with fine grit-sandpaper. Wipe the bracket surface clean with a paper towel.
- (4) Apply accelerator to the surface on the bracket according to the following instructions:
 - Crush the vial to saturate the felt applicator.
 - Remove the paper sleeve.
 - Apply accelerator to the contact surface on the bracket.
 - Allow the accelerator to dry for five minutes.

• Do not touch the bracket contact surface after the accelerator has been applied.

(5) Apply adhesive accelerator to the bracket contact surface on the windshield glass. Allow the accelerator to dry for one minute. Do not touch the glass contact surface after the accelerator has been applied.

(6) Install the bracket according to the following instructions:

- Apply one drop of adhesive at the center of the bracket contact-surface on the windshield glass.
- Apply an even coat of adhesive to the contact surface on the bracket.
- Align the bracket with the marked position on the windshield glass.
- Press and hold the bracket in place for at least one minute.

NOTE: Verify that the mirror support bracket is correctly aligned, because the adhesive will cure rapidly.

(7) Allow the adhesive to cure for 8-10 minutes. Remove any excess adhesive with an alcohol-dampened cloth.

(8) Allow the adhesive to cure for an additional 8-10 minutes before installing the mirror.

SUN VISOR

NOTE: All vehicles with driver and passenger side airbags must have a colored-coded, 5-bullet point airbag warning label applied to the sunvisor face surface (in the stored position). When replacing the sunvisor, verify label availability and ensure the label is installed.

REMOVAL

- (1) Remove screws attaching sun visor to roof (Fig. 121).
- (2) If equipped, disengage lighted vanity mirror connector.
- (3) Separate sun visor from roof.
- (4) Remove screw attaching sun visor hook to roof.
- (5) Separate sun visor hook from roof.

INSTALLATION

- (1) Position sun visor hook on roof.
- (2) Install screw attaching sun visor hook to roof.
- (3) Position sun visor on roof.
- (4) If equipped, engage lighted vanity mirror connector.
- (5) Install screws attaching sun visor to roof (Fig. 121).

REMOVAL AND INSTALLATION (Continued)

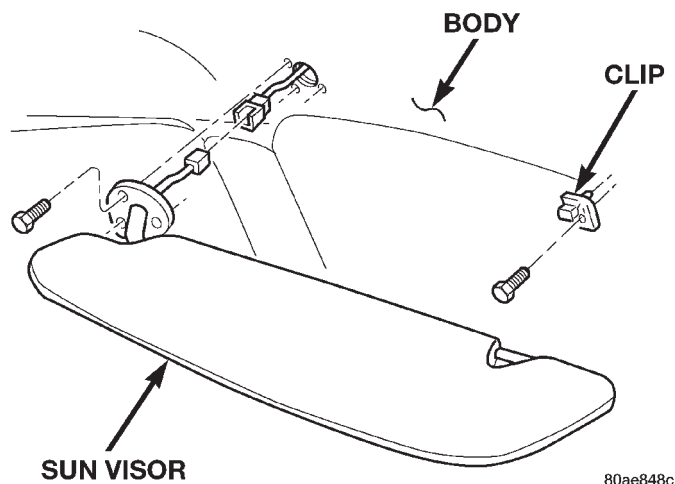


Fig. 121 Sun Visor

HEADLINER

REMOVAL

- (1) Remove sun visors and visor hooks.
- (2) Remove overhead assist handle.
- (3) Remove coat hook(s).
- (4) Remove overhead console, if equipped. Refer to Group 8V, Overhead Console for removal procedure.
- (5) Remove A-pillar trim.
- (6) Remove quarter trim panels.
- (7) Remove dome lamp. Refer to Group 8L, Lamps for removal procedure.
- (8) If equipped, disengage push-in fasteners attaching headliner to roof panel (Fig. 123).
- (9) If equipped, remove upper latch striker cover.
- (10) Separate headliner from roof panel (Fig. 122).
- (11) Extract headliner through door opening.

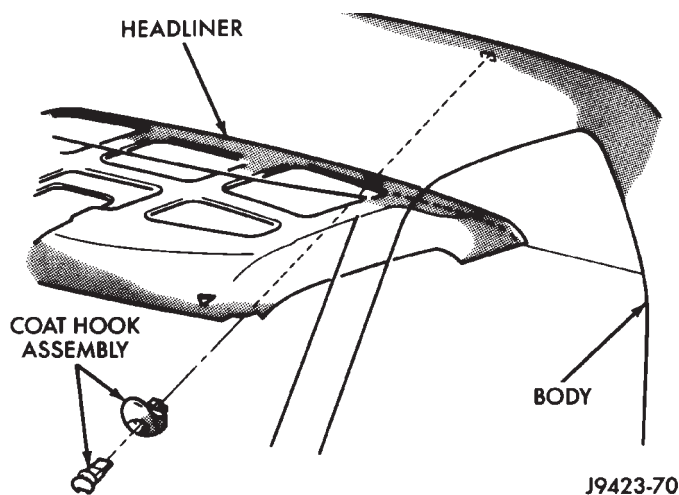


Fig. 122 Headliner

INSTALLATION

- (1) Position headliner on roof panel (Fig. 122).
- (2) Install passenger side sun visor hook.
- (3) Install:
 - (a) Driver's side coat hook-BR vehicles.

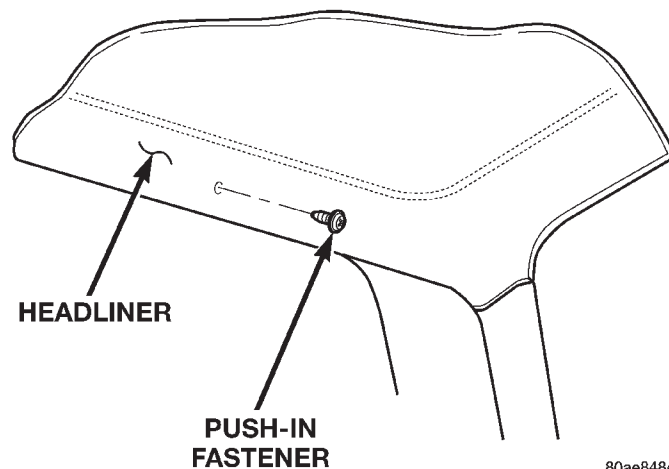


Fig. 123 Headliner Push-In Fasteners

- (b) Driver's side rear push-in fasteners-BE vehicles.
- (4) Install driver side sun visor hook.
- (5) Install right rear push-in fastener-BE vehicles.
- (6) Install left and right side coat hooks-BE vehicles.
- (7) Install dome lamp.
- (8) Install push-in fasteners on each side of dome lamp-BE vehicles.
- (9) If equipped, install upper latch striker cover.
- (10) Install quarter trim panels.
- (11) Install A-pillar trim.
- (12) Install overhead console, if equipped. Refer to Group 8V, Overhead Console for installation procedure.
- (13) Install overhead assist handle.
- (14) Install sun visors.

OVERHEAD ASSIST HANDLE

REMOVAL

- (1) Disengage tabs attaching assist handle end covers to assist handle.
- (2) Remove screws attaching overhead assist handle to roof rail (Fig. 124).
- (3) Separate overhead assist handle from vehicle.

INSTALLATION

Reverse the preceding operation.

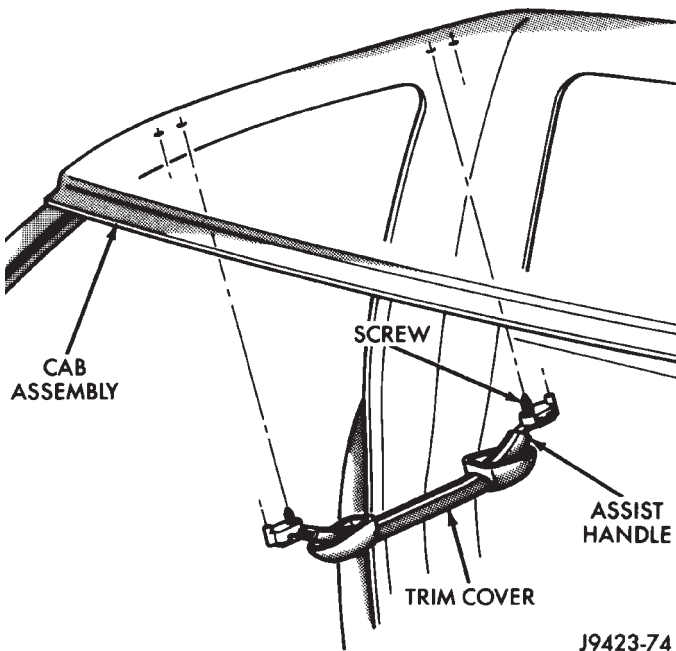
- (1) Position assist handle on vehicle.
- (2) Install screws attaching overhead assist handle to roof rail (Fig. 124).
- (3) Install tabs attaching assist handle end covers to assist handle.

COAT HOOK

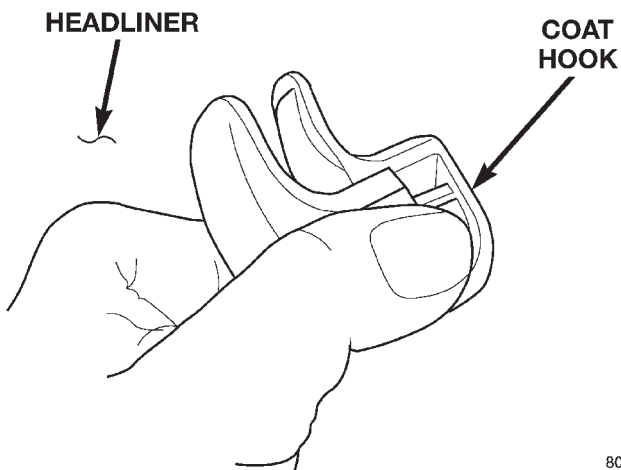
REMOVAL

- (1) Grasp both sides of the coat hook base and firmly pull outward to disengage the coat hook cover from the base. (Fig. 125).

REMOVAL AND INSTALLATION (Continued)

**Fig. 124 Overhead Assist Handle**

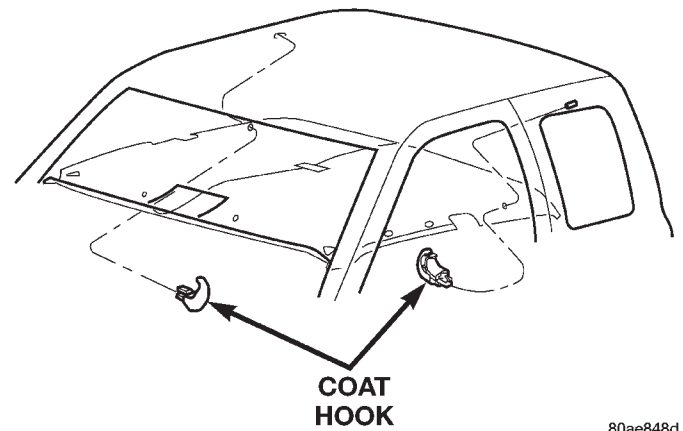
- (2) Pull coat hook out of roof panel (Fig. 126).

**Fig. 125 Coat Hook Removal****INSTALLATION**

- (1) Position coat hook in roof panel.
- (2) Push the coat hook cover inward and secure the coat hook to the roof panel.

ADJUSTMENTS**HOOD**

- (1) Loosen the hinge arm-to-hood panel bolts at each side of the vehicle.
- (2) Loosen the hood latch screws.

**Fig. 126 Coat Hook—Club/Quad Cab**

- (3) Close the hood. Adjust the fore/aft position.
- (4) Raise the hood. Tighten the hinge arm-to-hood panel bolts.
- (5) Tighten the latch screws.
- (6) Lower the hood. Inspect clearance between the hood and the cowl cover.

HOOD LATCH STRIKER

- (1) Open the hood.
- (2) Loosen the latch striker screws.
- (3) Slowly close the hood and observe the latching operation.
- (4) As necessary, re-adjust the striker position. Tighten the screws.

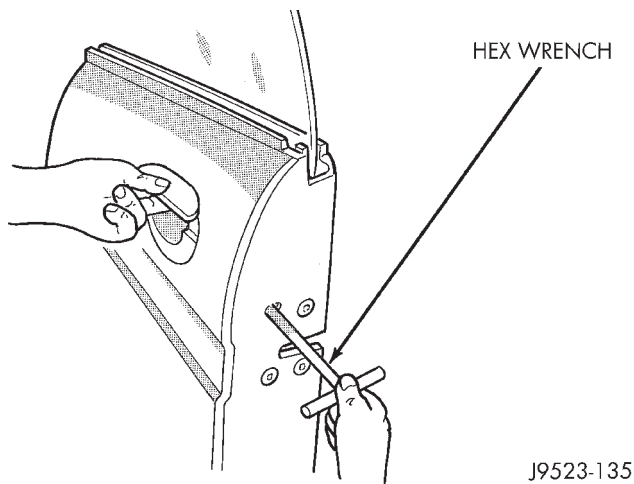
HOOD LATCH

- (1) Open the hood.
- (2) Loosen the hood latch screws.
- (3) Move the latch to the correct location and lightly tighten the screws.
- (4) Close the hood slowly and observe the latching operation.
- (5) As necessary, re-adjust the latch position and tighten the screws.

FRONT DOOR LATCH

- (1) Insert a hex-wrench through the elongated hole in the door end frame near the latch striker opening (Fig. 127).
- (2) Loosen torx head screw on the side of the latch linkage.
- (3) Lift upward on outside door handle and release it.
- (4) Tighten torx head screw on latch.
- (5) Verify latch operation.

ADJUSTMENTS (Continued)

**Fig. 127 Door Latch Adjustment****FRONT DOOR FORE/AFT**

Fore/aft (lateral) door adjustment is done by loosening the hinge to cowl screws one hinge at a time. Then move the door to the correct position.

- (1) Support the door with a padded floor jack.
- (2) Loosen the hinge to cowl screws, if necessary, refer to the front door hinge removal/installation procedure for hinge fastener location. Move the door to the correct fore/aft position.
- (3) Tighten the hinge to cowl screws.
- (4) Remove the floor jack from the door.

FRONT DOOR IN/OUT

In/out door adjustment is done by loosening the hinge to door fasteners. Then move the door to the correct position.

- (1) Support the door with a padded floor jack.
- (2) Loosen the applicable hinge to door fasteners. Move the door to the correct in/out position.
- (3) If necessary, loosen the other hinge to door fasteners and move the door to the correct in/out position.
- (4) Tighten the hinge to door fasteners.
- (5) Remove the floor jack from the door.

FRONT DOOR UP/DOWN

Up/down door adjustment is done by loosening the hinge to cowl fasteners at both hinges. Then move the door to the correct position.

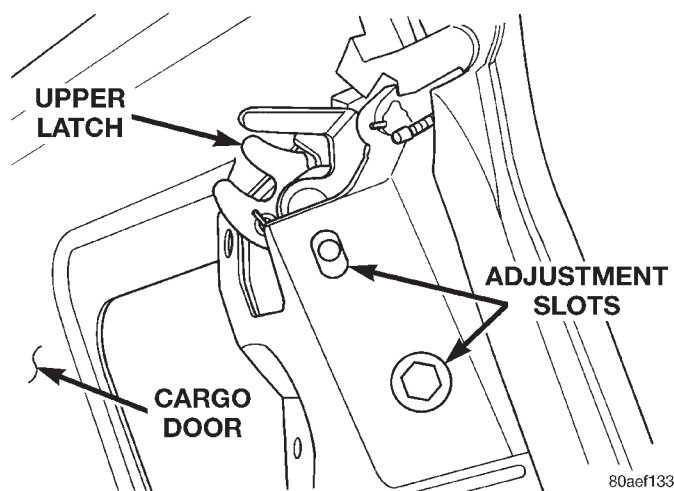
- (1) Support the door with a padded floor jack.
- (2) Loosen hinge to cowl fasteners at both hinges. Move the door to the correct up/down position.
- (3) Tighten the hinge to cowl fasteners.
- (4) Remove the floor jack from the door.

CARGO DOOR**CARGO DOOR FORE/AFT AND UP/DOWN**

(1) As applicable, remove the C-pillar trim to access the bolts attaching the cargo door to the C-pillar.

- (2) Support the door with a padded floor jack.
- (3) Loosen the applicable C-pillar to hinge bolts and move the door to the correct position. If necessary, loosen the other C-pillar to hinge bolts and move the door to the correct position.
- (4) Tighten the bolts to 28 N·m (21 ft. lbs.) torque.
- (5) If necessary, loosen the bolts attaching the lower striker and move striker to the correct position.

If necessary, loosen the bolts attaching the upper latch to the cargo door and move to the correct position. (Fig. 128)

**Fig. 128 Cargo Door Upper Latch****CARGO DOOR IN/OUT**

- (1) Loosen the applicable hinge to door fasteners and move the door to the correct position.
- (2) Tighten the bolts to 28 N·m (21 ft. lbs.) torque.

SPECIFICATIONS

TORQUE SPECIFICATIONS

BODY COMPONENTS

DESCRIPTION	TORQUE
Bench seat front anchor bolt . . . .	.54 N·m (40 ft. lbs.)
Bench seat rear inboard anchor nut . . . . .	.40 N·m (30 ft. lbs.)
Bench seat rear outboard anchor nut . . . . .	.54 N·m (40 ft. lbs.)
Bench seat, rear seat track to frame bolt . . . . .	.25 N·m (18 ft. lbs.)
Bench seat, front seat track to frame bolt . . . . .	.25 N·m (18 ft. lbs.)
Bench seat, inboard belt/buckle anchor bolt . . . . .	.40 N·m (30 ft. lbs.)
Bench seat back to cushion pivot bolt . . . . .	.25 N·m (18 ft. lbs.)
Cab mounting bolt . . . . .	.81 N·m (60 ft. lbs.)
Cargo box bolt . . . . .	.27 N·m (20 ft. lbs.)
Cargo door to hinge bolt . . . . .	.28 N·m (21 ft. lbs.)
Cargo door hinge to C-pillar bolt . . . . .	.28 N·m (21 ft. lbs.)
Cargo door lower latch nut . . . . .	.12 N·m (9 ft. lbs.)
Cargo door upper latch bolt . . . . .	.23 N·m (17 ft. lbs.)
Cargo door upper striker bolt . . . .	.23 N·m (17 ft. lbs.)
Cargo door lower striker screw . . .	.28 N·m (21 ft. lbs.)
Cargo door vent glass latch screw . . . . .	.5 N·m (45 in. lbs.)
EZ entry track to cushion frame screw . . . . .	.25 N·m (18 ft. lbs.)
EZ entry track to front riser bolt . . . . .	.17 N·m (12 ft. lbs.)
EZ entry track to rear inboard riser bolt . . . . .	.21 N·m (16 ft. lbs.)
EZ entry track to front inboard riser bolt . . . . .	.45 N·m (33 ft. lbs.)
Front shoulder belt upper anchor bolt (conv cab) . . . . .	.39 N·m (28 ft. lbs.)
Front belt buckle inboard anchor nut (conv cab) . . . . .	.45 N·m (33 ft. lbs.)
Front belt retractor anchor bolt (conv cab) . . . . .	.39 N·m (28 ft. lbs.)
Front belt retractor anchor bolt (club/quad cab) . . . . .	.16 N·m (11 ft. lbs.)

DESCRIPTION	TORQUE
Front shoulder belt lower anchor bolt (conv cab) . . . . .	.39 N·m (28 ft. lbs.)
Front shoulder belt lower anchor bolt (club cab) . . . . .	.45 N·m (33 ft. lbs.)
Front door hinge to A-pillar bolt . . . . .	.28 N·m (21 ft. lbs.)
Front door latch screw . . . . .	.11 N·m (8 ft. lbs.)
Front door latch striker screw . . .	.28 N·m (21 ft. lbs.)
Front door glass to lift plate screw . . . . .	.9 N·m (7 ft. lbs.)
Rear seat belt anchor nut . . . . .	.40 N·m (30 ft. lbs.)
Rear seat to floor pan bolt . . . . .	.28 N·m (20 ft. lbs.)
Rear shoulder belt upper anchor bolt (quad cab) . . . . .	.40 N·m (30 ft. lbs.)
Rear belt retractor anchor bolt (quad cab) . . . . .	.40 N·m (30 ft. lbs.)
Rear shoulder belt lower anchor bolt (quad cab) . . . . .	.40 N·m (30 ft. lbs.)
Recliner to EZ entry seat track . . .	.45 N·m (33 ft. lbs.)
Split bench seat front anchor bolt . . . . .	.54 N·m (40 ft. lbs.)
Split bench seat front anchor bolt (quad cab) . . . . .	.54 N·m (40 ft. lbs.)
Split bench seat rear inboard anchor nut . . . . .	.40 N·m (30 ft. lbs.)
Split bench seat rear inboard anchor nut (quad cab) . . . . .	.40 N·m (30 ft. lbs.)
Split bench seat rear outboard anchor nut . . . . .	.54 N·m (40 ft. lbs.)
Split bench seat rear outboard anchor bolt (quad cab) . . . . .	.54 N·m (40 ft. lbs.)
Split bench seat track to frame bolt . . . . .	.25 N·m (18 ft. lbs.)
Split bench seat back to cushion pivot bolt . . . . .	.25 N·m (18 ft. lbs.)
Split bench seat back to cushion inboard pivot bolt (club cab) . . . . .	.50 N·m (36 ft. lbs.)

