

2007 ACCESSORIES AND EQUIPMENT

Body - Nitro

WARNING

WARNING - CAUTIONS AND WARNINGS

WARNING: Use an 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.

DIAGNOSIS AND TESTING

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

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

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 article 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 **STANDARD PROCEDURE**.

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 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 cross winds. 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.

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 article 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.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

Missing or improperly installed plugs in pillars.

Weld burn through holes.

STANDARD PROCEDURE

BODY LUBRICATION

All mechanisms and linkages should be lubricated when necessary. This will maintain ease of operation and provide protection against rust and excessive wear. The weatherstrip seals should be lubricated to prolong their life as well as to improve door sealing.

All applicable exterior and interior vehicle operating mechanisms should be inspected and cleaned. Pivot/sliding contact areas on the mechanisms should then be lubricated.

1. When necessary, lubricate the operating mechanisms with the specified lubricants.
2. Apply silicone lubricant to a cloth and wipe it on door seals to avoid over-spray that can soil passenger's clothing.
3. Before applying lubricant, the component should be wiped clean. After lubrication, any excess lubricant should be removed.
4. The hood latch, latch release mechanism, latch striker, and safety latch should be lubricated periodically.
5. The door lock cylinders should be lubricated twice each year (preferably autumn and spring).

Spray a small amount of lock cylinder lubricant directly into the lock cylinder.

Apply a small amount to the key and insert it into the lock cylinder.

Rotate it to the locked position and then back to the unlocked position several times.

Remove the key. Wipe the lubricant from it with a clean cloth to avoid soiling of clothing.

Component	Fluid, Lubricant, and Genuine Part
Hinges:	
Door & Hood	Mopar® Engine Oil
Lift Gate	Mopar® Multi-Purpose Lube NLGI Grade 2 EP, GC-LB
Latches: Hood/Safety Catch	Mopar® Multi-Purpose Lube NLGI Grade 2 EP, GC-LB
Seat Regulator & Track	Mopar® Multi-Purpose Lube NLGI Grade 2 EP, GC-LB
Lock Cylinders	Mopar® Lock Cylinder Lube

PLASTIC BODY PANEL REPAIR

There are many different types of plastics used in today's automotive environment. We group plastics in three different categories: Rigid, Semi-Rigid, and Flexible. Any of these plastics may require the use of an adhesion promoter for repair. These types of plastic are used extensively on DaimlerChrysler Motors vehicles. Always follow repair material manufacturer's plastic identification and repair procedures.

Rigid Plastics:

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

Examples of rigid plastic use: Fascias, Hoods, Doors, and other Body Panels, which include SMC, ABS, and Polycarbonates.

Semi-Rigid Plastics:

Examples of semi-rigid plastic use: Interior Panels, Under Hood Panels, and other Body Trim Panels.

Flexible Plastics:

Examples of flexible plastic use: Fascias, Body Moldings, and upper and lower Fascia Covers.

Repair Procedure:

The repair procedure for all three categories of plastics is basically the same. The one difference is the material used for the repair. The materials must be specific for each substrate, rigid repair material for rigid plastic repair, semi-rigid repair material for semi-rigid plastic repair and flexible repair material for flexible plastic repair.

Adhesion Promoter/Surface Modifier:

Adhesion Promoters/Surface Modifiers are required for certain plastics. All three categories may have plastics that require the use of adhesion promoter/surface modifiers. Always follow repair material manufacturer's plastic identification and repair procedures.

SAFETY PRECAUTION AND WARNINGS

WARNING:

Eye protection should be used when servicing components. Personal injury can result.

Use an OSHA approved breathing mask when mixing epoxy, grinding, and spraying paint or solvents in a confined area. Personal injury can result.

Avoid prolonged skin contact with resin, petroleum, or alcohol based solvents. Personal injury can result.

Do not venture under a hoisted vehicle that is not properly supported on safety stands. Personal injury can result.

NOTE:

When holes must be drilled or cut in body panels, verify locations of internal body components and electrical wiring. Damage to vehicle can result.

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

RIGID, SEMI-RIGID, AND FLEXIBLE PLASTIC PARTS TYPES

CODE	FAMILY NAME	COMMON TRADE	TYPICAL
-------------	--------------------	---------------------	----------------

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

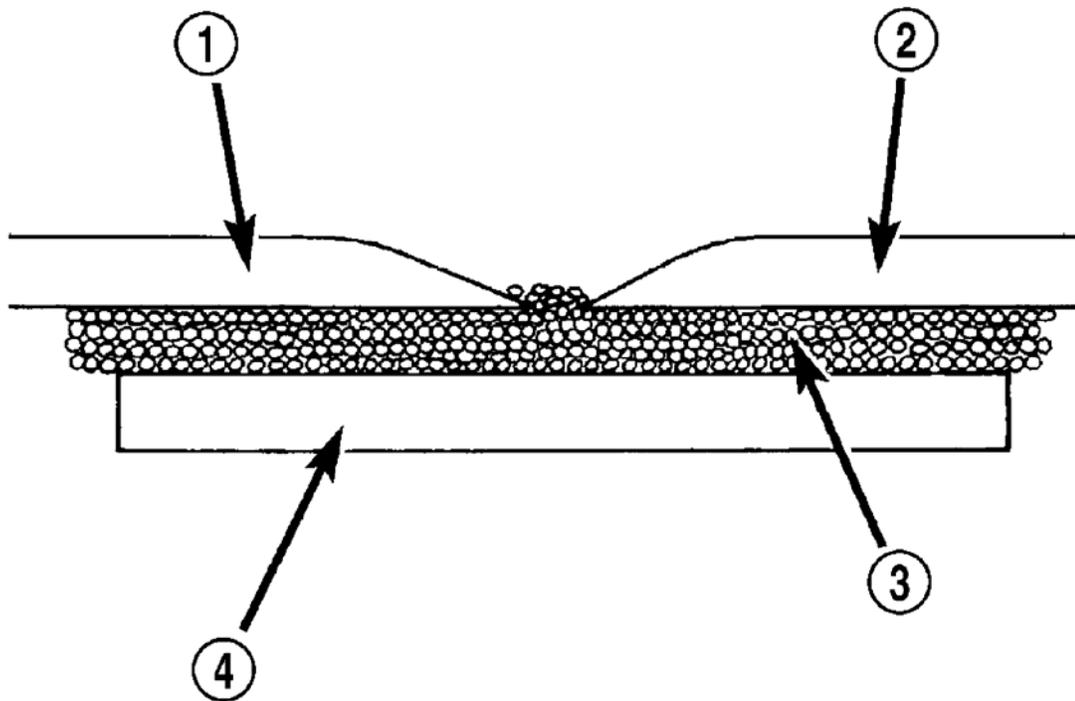
		NAME	APPLICATION
ASA	ACRYLONITRILE STYRENE ACRYLITE	LURAN S	CONSOLES, GRILLES
ABS	ACRYLONITRILE BUTADIENE STYRENE	TERLURAN	"A" PILLARS, CONSOLES, GRILLES
ABS/PC	ABS/PC ALLOY	PULSE, PROLOY, BAYBLEND	DOORS, INSTRUMENT PANELS
ABS/PVC	ABS/PV ALLOY	PROLOY, PULSE, LUSTRAN, CYCLOVIN	DOOR PANELS, GRILLES, TRIM
BMC	BULK MOLDING COMPOUND	BMC	FENDER EXTENSIONS
EMA	EHTYLENE METHYL ACRYLATE/IONOMER	SURLYN, EMA, IONOMER	BUMPER GUARDS, PADS
METTON	METTON	METTON	GRILLES, KICK PANELS, RUNNING BOARDS
MPPO	MODIFIED POLYPHENYLENE OXIDE	MPPO	SPOILER ASSEMBLY
PA	POLYAMID	ZYTEL, VYDYNE, PA, MINLON	FENDERS, QUARTER PANELS
PET	THERMOPLASTIC POLYESTER	RYNITE	TRIM
PBT/PPO	PBT/PPO ALLOY	GERMAX	CLADDINGS
PBTP	POLYBUTYLENE THEREPTHALATE	PBT, PBTP, POCAN, VALOX	WHEEL COVERS, FENDERS, GRILLES
PBTP/EEBC	POLYBUTYLENE THEREPTHALATE/EEBC ALLOY	BEXLOY, "M", PBTP/EEBC	FASCIAS, ROCKER PANEL, MOLDINGS
PC	POLYCARBONATE	LEXAN, MERLON, CALIBRE, MAKROLON PC	TAIL LIGHT LENSES, IP TRIM, VALANCE PANELS
PC/ABS	PC/ABS ALLOY	GERMAX, BAY BLENDS, PULSE	DOORS, INSTRUMENT PANELS
PPO	POLYPHENYLENE OXIDE	AZDEL, HOSTALEN, MARLEX, PRFAX, NORYL, GTX, PPO	INTERIOR TRIM, DOOR PANELS, SPLASH SHIELDS, STEERING COLUMN SHROUD
PPO/PA	POLYPHENYLENE/POLYAMID	PPO/PA, GTX 910	FENDERS, QUARTER PANELS
PR/FV	FIBERGLASS REINFORCED PLASTIC	FIBERGLASS, FV, PR/FV	BODY PANELS
PS	POLYSTYRENE	LUSTREX, STYRON, PS	DOOR PANELS, DASH PANELS
RTM	RESIN TRANSFER MOLDING COMPOUND	RTM	BODY PANELS

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

SMC	SHEET MOLDED COMPOUND	SMC	BODY PANELS
TMC	TRANSFER MOLDING COMPOUND	TMC	GRILLES
UP	UNSATURATED POLYESTER (THERMOSETTING)	SMC, BMC, TMC, ZMC, IMC, XSMC, UP	GRILLE OPENING PANEL, LIFTGATES, FLARESIDE FENDERS, FENDER EXTENSIONS
EEBC	ETHER/ESTER BLOCKED CO-POLYMER	EEBC	BUMPERS
EEBC/PBTP	EEBC/POLYBUTYLENE TEREPHTHALATE	EEBC, PBTP, BEXLOY	BUMPER, ROCKER PANELS
EMPP	ETHYLENE MODIFIED POLYPROPYLENE	EMPP	BUMPER COVERS
EPDM	ETHYLENE/PROPPYLENE DIENE MONOMER	EPDM, NORDEL, VISTALON	BUMPERS
EPM	ETHYLENE/PROPPYLENE CO-POLYMER	EPM	FENDERS
MPU	FOAM POLYURETHANE	MPU	SPOILERS
PE	POLYETHYLENE	ALATHON, DYLAN, LUPOLEN, MARLEX	-
PP	POLYPROPYLENE (BLENDS)	NORYL, AZDEL, MARLOX, DYLAN, PRAVEX	INNER FENDER, SPOILERS, KICK PANELS
PP/EPDM	PP/EPDM ALLOY	PP/EPDM	SPOILERS, GRILLES
PUR	POLYURETHANE	COLONELS, PUR, PU	FASCIAS, BUMPERS
PUR/PC	PUR/PC ALLOY	TEXIN	BUMPERS
PVC	POLYVINYL CHLORIDE	APEX, GEON, VINYLITE	BODY MOLDINGS, WIRE INSULATION, STEERING WHEELS
RIM	REACTION INJECTED MOLDED POLYURETHANE	RIM, BAYFLEX	FRONT FASCIAS, MODULAR WINDOWS
RRIM	REINFORCED REACTION INJECTED MOLDED	PUR, RRIM	FASCIAS, BODY PANELS, BODY TRIMS
TPE	THERMO POLYETHYLENE	TPE, HYTREL, BEXLOY-V	FASCIAS, BUMPERS, CLADDINGS
TPO	THERMOPOLYOLEFIN	POLYTROPE, RENFLEX, SANTOPRENE, VISAFLEX, ETA, APEX, TPO, SHIELDS, CLADDINGS	BUMPERS, END CAPS, TELCAR, RUBBER, STRIPS, SIGHT, INTERIOR B POST
TPP	THERMO-POLYPROPYLENE	TPP	BUMPERS
TPU	THERMOPOLYURETHANE, POLYESTER	TPU, HYTREL, TEXIN, ESTANE	BUMPERS, BODY SIDE, MOLDINGS, FENDERS, FASCIAS

PANEL SECTIONING



80b6fede

Fig. 1: View Of Panel Sectioning
Courtesy of CHRYSLER LLC

- 1 - EXISTING PANEL
- 2 - NEW PANEL
- 3 - PANEL ADHESIVE
- 4 - BONDING STRIP

If it is required to section a large panel for a plastic repair, it will be necessary to reinforce the panel. To bond two plastic panels together, a reinforcement must overlap both panels. The panels must be "V'd" at a 20 degree angle. The area to be reinforced should be washed, then sanded. Be sure to wipe off any excess soap and water when finished. Lightly sand or abrade the plastic with an abrasive pad or sandpaper. Blow off any dust with compressed air or wipe with a clean dry rag.

When bonding plastic panels, follow repair material manufacturers recommendations. Be sure that enough adhesive has been applied to allow squeeze out and to fill the full bond line. Once the pieces have been brought together, do not move them until the adhesive is cured. The assembly can be held together with clamps, rivets, etc. A faster cure can be obtained by heating with a heat lamp or heat gun. After the parts have been bonded and have had time to cure, rough sand the seam and apply the final adhesive filler to the area being repaired. Smooth the filler with a spreader, wooden tongue depressor, or squeegee. For fine texturing, a small amount of water can be applied to the filler surface while smoothing. The cured filler can be sanded as necessary and, as a final step, cleanup can be done with soapy water. Wipe the surface clean with a dry cloth allowing time for the panel

to dry before moving on with the repair.

PANEL REINFORCEMENT

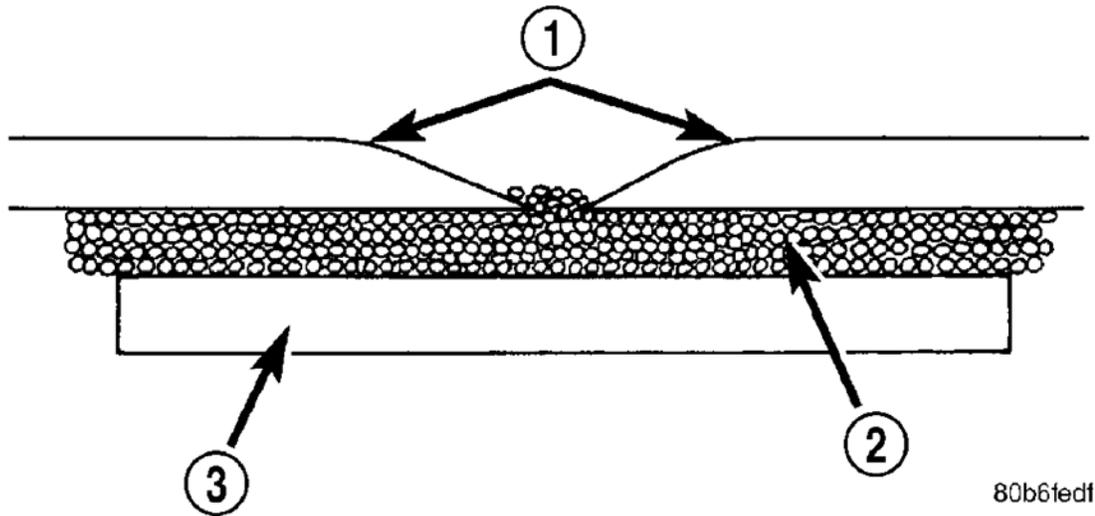
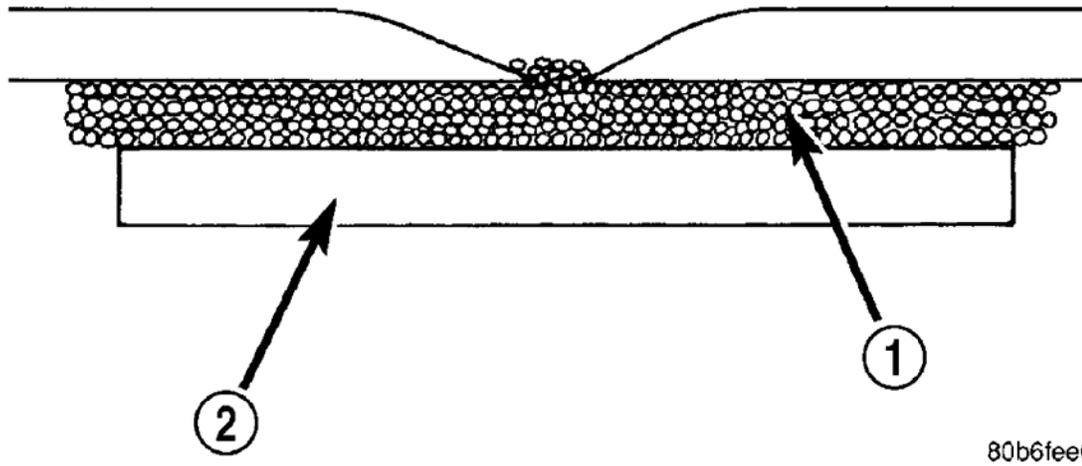


Fig. 2: Identifying Softened Edges
Courtesy of CHRYSLER LLC

- 1 - SOFTENED EDGES
- 2 - PANEL ADHESIVE
- 3 - BONDING STRIP

Structural repair procedures for rigid panels with large cracks and holes will require a reinforcement backing. Reinforcements can be made with several applications of glass cloth saturated with structural adhesive. Semi-rigid or flexible repair materials should be used for semi-rigid or flexible backing reinforcement and open meshed fiberglass dry wall tape can be used to form a reinforcement. The dry wall tape allows the resin to penetrate through and make a good bond between the panel and the adhesive. Structurally, the more dry wall tape used, the stronger the repair.



80b6fee0

Fig. 3: Identifying Panel Reinforcement
Courtesy of CHRYSLER LLC

- 1 - PANEL ADHESIVE
- 2 - REINFORCEMENT

Another kind of repair that can be done to repair large cracks and holes is to use a scrap piece of similar plastic and bond with structural adhesive. The reinforcement should cover the entire break and should have a generous amount of overlap on either side of the cracked or broken area.

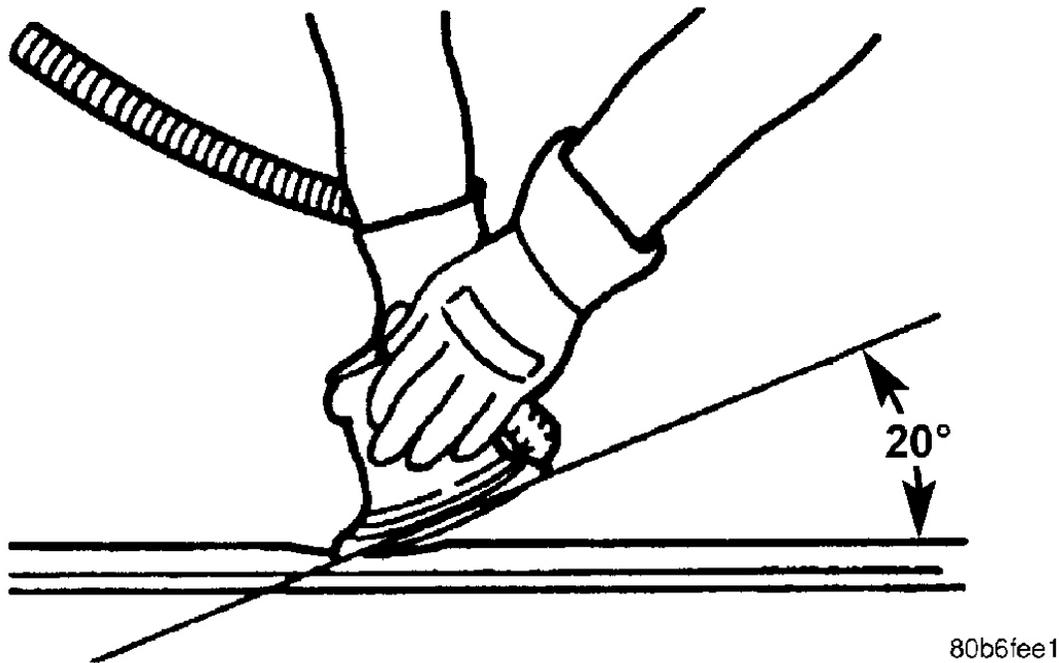


Fig. 4: Beveling 20 Degree Angle
Courtesy of CHRYSLER LLC

When repairing plastic, the damaged area is first "V'd" out, or beveled. Large bonding areas are desirable when repairing plastic because small repairs are less likely to hold permanently. Beveling the area around a crack at a 20° angle will increase the bonding surface for a repair. It is recommended that sharp edges be avoided because the joint may show through after the panel is refinished.

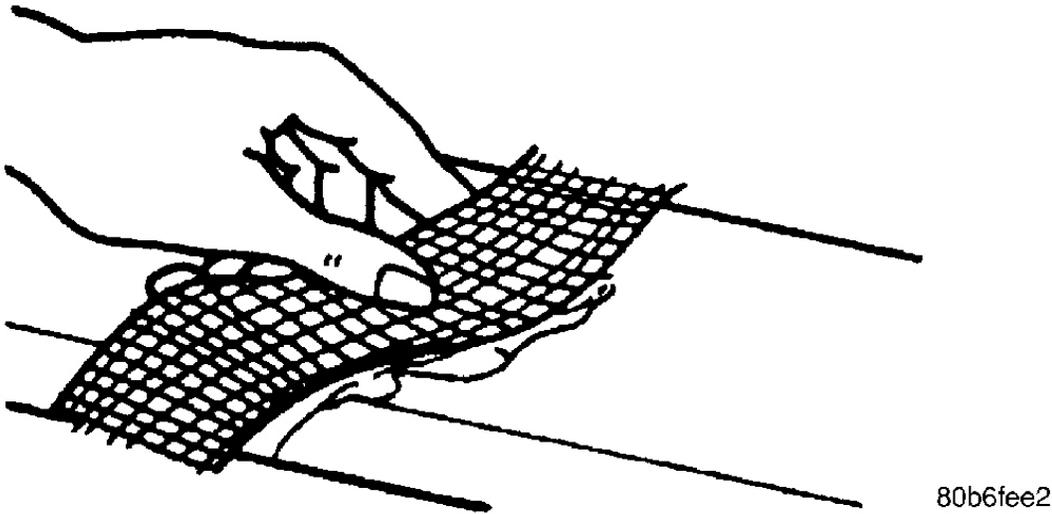


Fig. 5: Applying Fiberglass Tape
Courtesy of CHRYSLER LLC

Panel repair for both flexible and rigid panels are basically the same. The primary difference between flexible panel repair and rigid panel repair is in the adhesive materials used.

The technician should first decide what needs to be done when working on any type of body panel. One should determine if it is possible to return the damage part to its original strength and appearance without exceeding the value of the replacement part.

When plastic repairs are required, it is recommended that the part be left on the vehicle when ever possible. That will save time, and the panel will remain stationary during the repair. Misalignment can cause stress in the repair areas and can result in future failure.

VISUAL INSPECTION

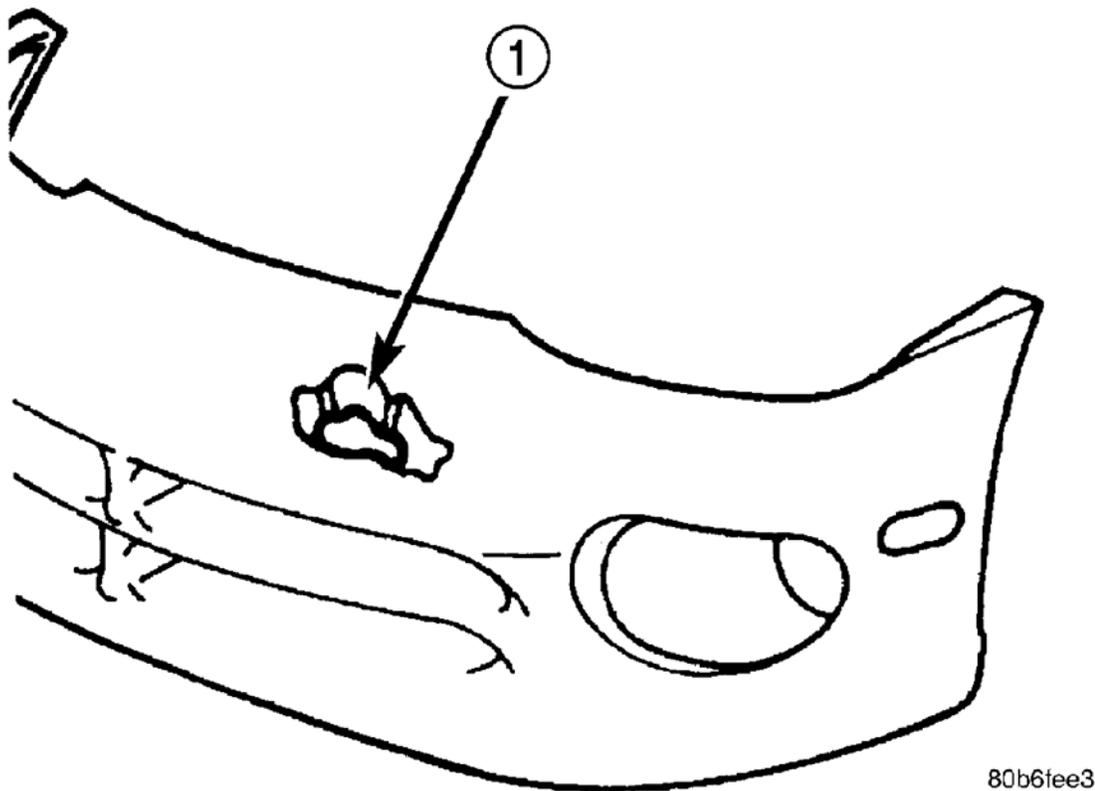


Fig. 6: Identifying Damaged Component
Courtesy of CHRYSLER LLC

1 - PUNCTURE

Composite materials can mask the severity of an accident. Adhesive bond lines, interior structure of the doors, and steel structures need to be inspected carefully to get a true damage assessment. Close inspection may require partial removal of interior trim or inner panels.

Identify the type of repair: Puncture or Crack - Damage that has penetrated completely through the panel. Damage is confined to one general area; a panel section is not required. However, a backer panel, open fiberglass tape, or matted material must be bonded from behind.

PANEL SURFACE PREPARATION

If a body panel has been punctured, cracked, or crushed, the damaged area must be removed from the panel to achieve a successful repair. All spider web cracks leading away from a damaged area must be stopped or removed. To stop a running crack in a panel, drill a 6 mm (0.250 in.) hole at the end of the crack farthest away from the damage. If spider web cracks can not be stopped, the panel would require replacement. The surfaces around the damaged area should be stripped of paint and freed from wax and oil. Scuff surfaces around repair area with 360 grit wet/dry sandpaper, or equivalent, to assure adhesion of repair materials.

PATCHING PANELS

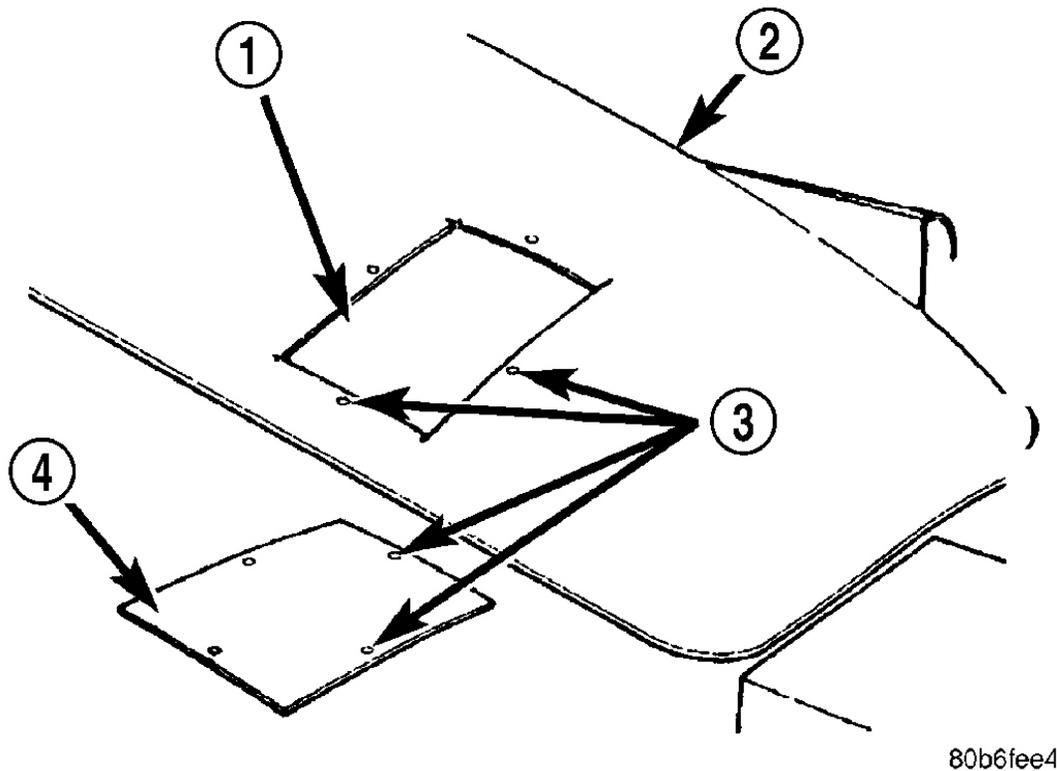
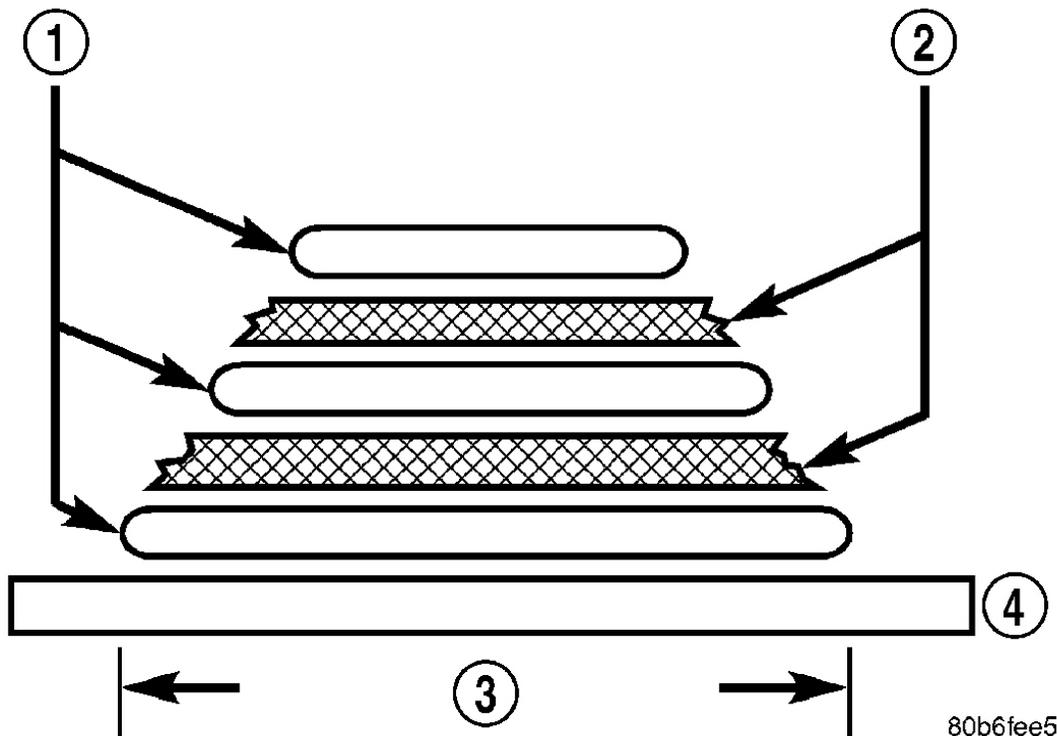


Fig. 7: Identifying Damaged Panel Cutout and Patch
Courtesy of CHRYSLER LLC

- 1 - CUTOUT
- 2 - DAMAGED BODY PANEL
- 3 - 4 MM (0.160 IN.) HOLES
- 4 - PATCH CUT TO SIZE

A panel that has extensive puncture type damage can be repaired by cutting out the damaged material. Use a suitable reciprocating saw or cut off wheel to remove the section of the panel that is damaged. The piece cut out can be used as a template to shape the new patch. It is not necessary to have access to the back of the panel to install a patch. Bevel edges of cutout at 20° to expose a larger bonding area on the outer side. This will allow for an increased reinforcement areas.

PANEL PATCH FABRICATIONS



80b6fee5

Fig. 8: Fabricating Panel

Courtesy of CHRYSLER LLC

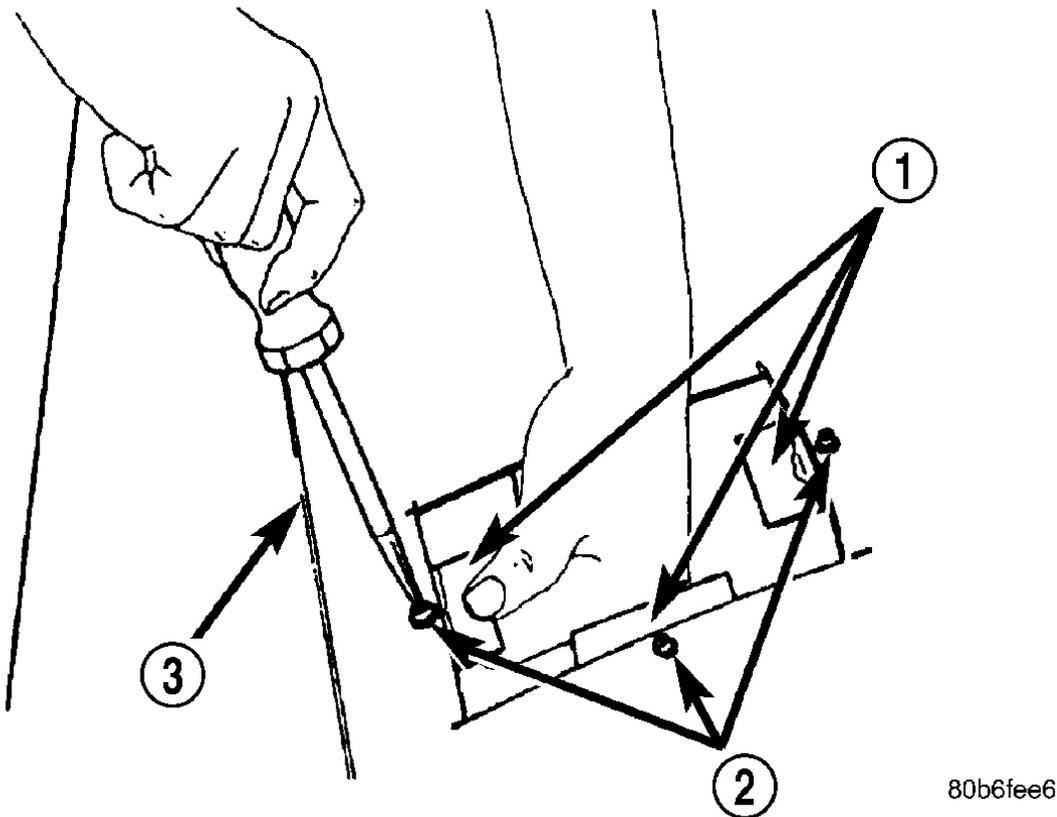
- | |
|--|
| <p>1 - STRUCTURAL ADHESIVE
 2 - FIBERGLASS CLOTH OR FIBERGLASS MESH TAPE
 3 - WIDTH OF V-GROOVE
 4 - WAXED PAPER</p> |
|--|

A patch can be fabricated from any rigid fiberglass panel that has comparable contour with the repair area. Lift gates and fenders can be used to supply patch material. If existing material is not available or compatible, a patch can be constructed with adhesive and reinforcement mesh (dry wall tape). Perform the following operation if required:

1. Cover waxed paper or plastic with adhesive backed nylon mesh (dry wall tape) larger than the patch required.
2. Tape waxed paper or plastic sheet with mesh to a surface that has a compatible contour to the repair area.
3. Apply a liberal coat of adhesive over the reinforcement mesh. If necessary apply a second or third coat of adhesive and mesh after first coat has cured. The thickness of the patch should be the same as the repair area.
4. After patch has cured, peel waxed paper or plastic from the back of the patch.
5. If desired, a thin film coat of adhesive can be applied to the back of the patch to cover mesh for added

strength.

PANEL PATCH INSTALLATION



80b6fee6

Fig. 9: Securing Support Squares to Body Panel

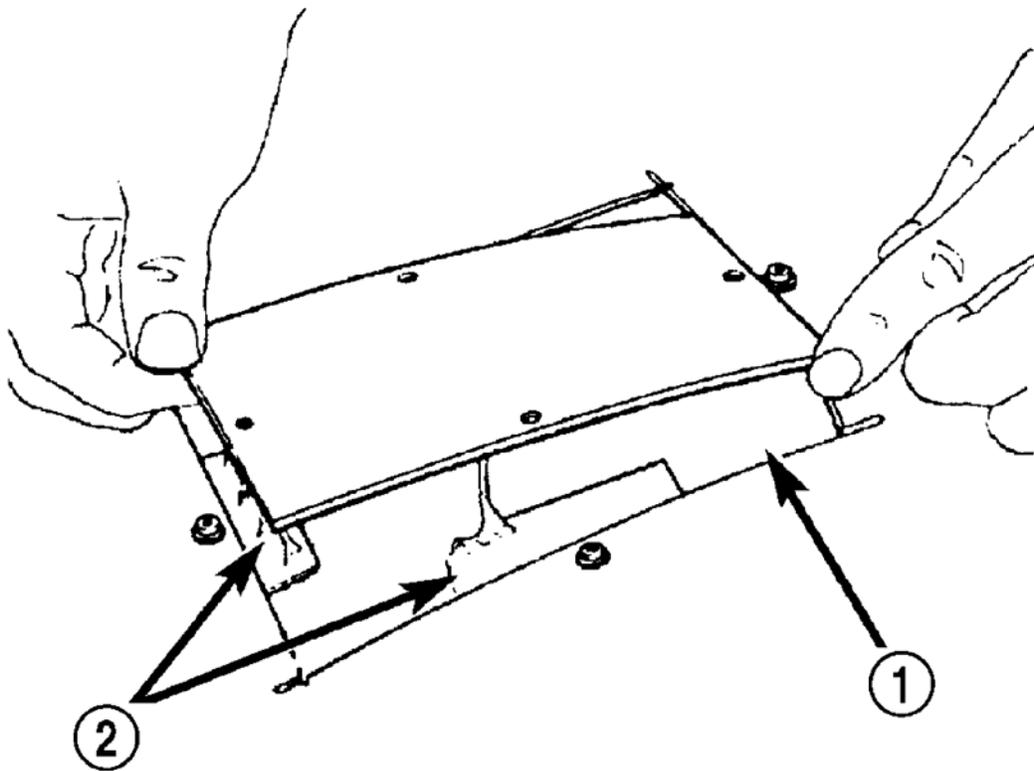
Courtesy of CHRYSLER LLC

- | |
|------------------------|
| 1 - SUPPORT SQUARES |
| 2 - SCREWS |
| 3 - DAMAGED BODY PANEL |

1. Make a paper or cardboard pattern the size and shape of the cutout hole in the panel.
2. Trim 3 mm (0.125 in.) from edges of pattern so patch will have a gap between connecting surfaces.
3. Using the pattern as a guide, cut the patch to size.
4. Cut scrap pieces of patch material into 50 mm (2 in.) squares to use as patch supports to sustain the patch in the cutout.
5. Drill 4 mm (0.160 in.) holes 13 mm (0.5 in.) in from edge of cutout hole.
6. Drill 4 mm (0.160 in.) holes 13 mm (0.5 in.) away from edge of patch across from holes drilled around

cutout.

7. Drill 3 mm (0.125 in.) holes in the support squares 13 mm (0.5 in.) from the edge in the center of one side.
8. Scuff the backside of the body panel around the cutout hole with a scuff pad or sandpaper.
9. Mix enough adhesive to cover one side of all support squares.
10. Apply adhesive to cover one side of all support squares.
11. Using number 8 sheet metal screws, secure support squares to back side of body panel with adhesive sandwiched between the panel and squares.

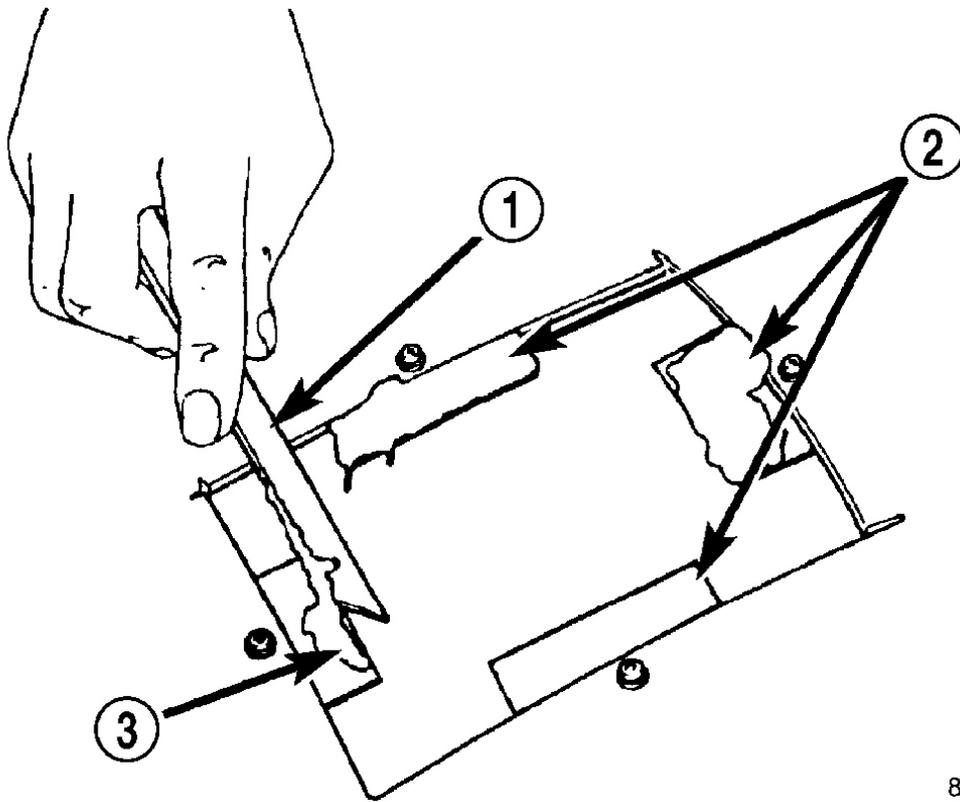


80b6fee8

Fig. 10: Positioning Patch In Cutout and Aligning
Courtesy of CHRYSLER LLC

1 - CUTOUT
2 - SUPPORT SQUARES

12. Position patch in cutout against support squares and adjust patch until the gap is equal along all sides.
13. Drill 3 mm (0.125 in.) holes in the support squares through the pre-drilled holes in the patch.

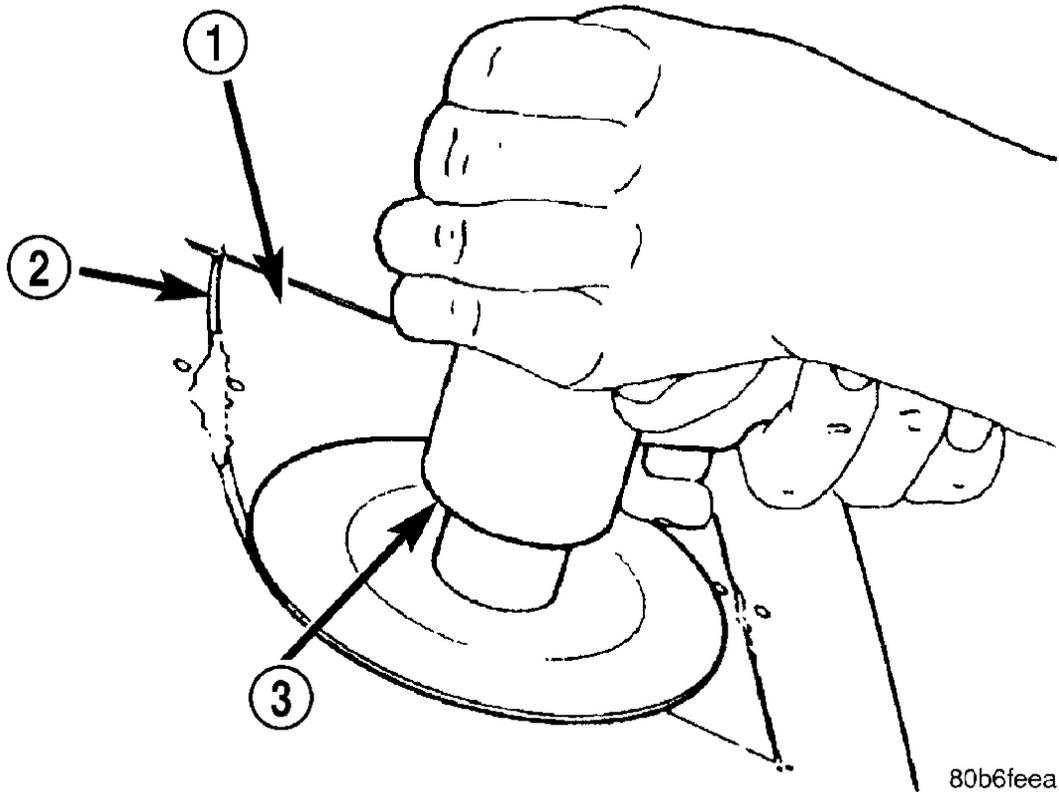


80b6fee7

Fig. 11: Applying Adhesive to Support Squares
Courtesy of CHRYSLER LLC

- | |
|---------------------|
| 1 - APPLICATOR |
| 2 - SUPPORT SQUARES |
| 3 - ADHESIVE |

14. Apply a coat of adhesive to the exposed ends of the support squares.



80b6feea

Fig. 13: Grinding Surface
Courtesy of CHRYSLER LLC

1 - PATCH
2 - GAP
3 - DISC GRINDER

17. Using a 125 mm (5 in.) 24 grit disc grinder, grind a 50 mm (2 in.) to 75 mm (3 in.) wide and 2 mm (0.080 in.) deep path across the gaps around the patch. With compressed air, blow dust from around patch.

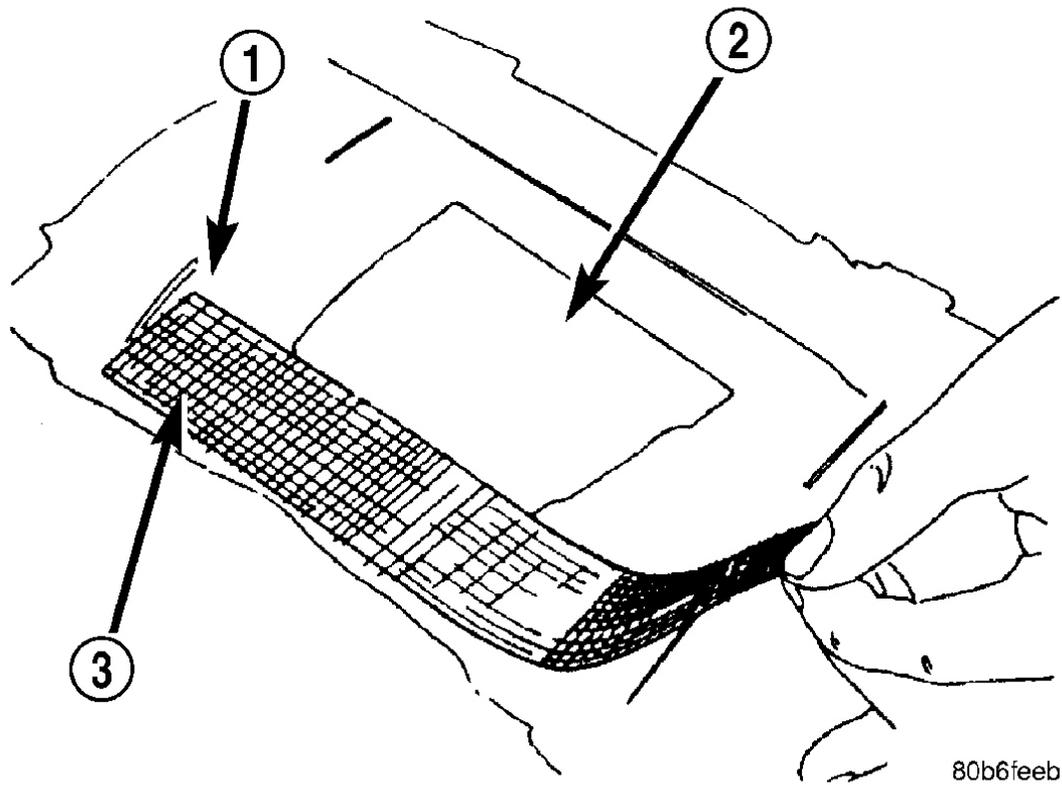


Fig. 14: Covering Gaps With Mesh
Courtesy of CHRYSLER LLC

- | |
|---|
| 1 - GROUND DOWN AREA
2 - PATCH
3 - MESH |
|---|

18. Apply adhesive backed nylon mesh (dry wall tape) over gaps around patch.
19. Mix enough adhesive to cover the entire patch area.

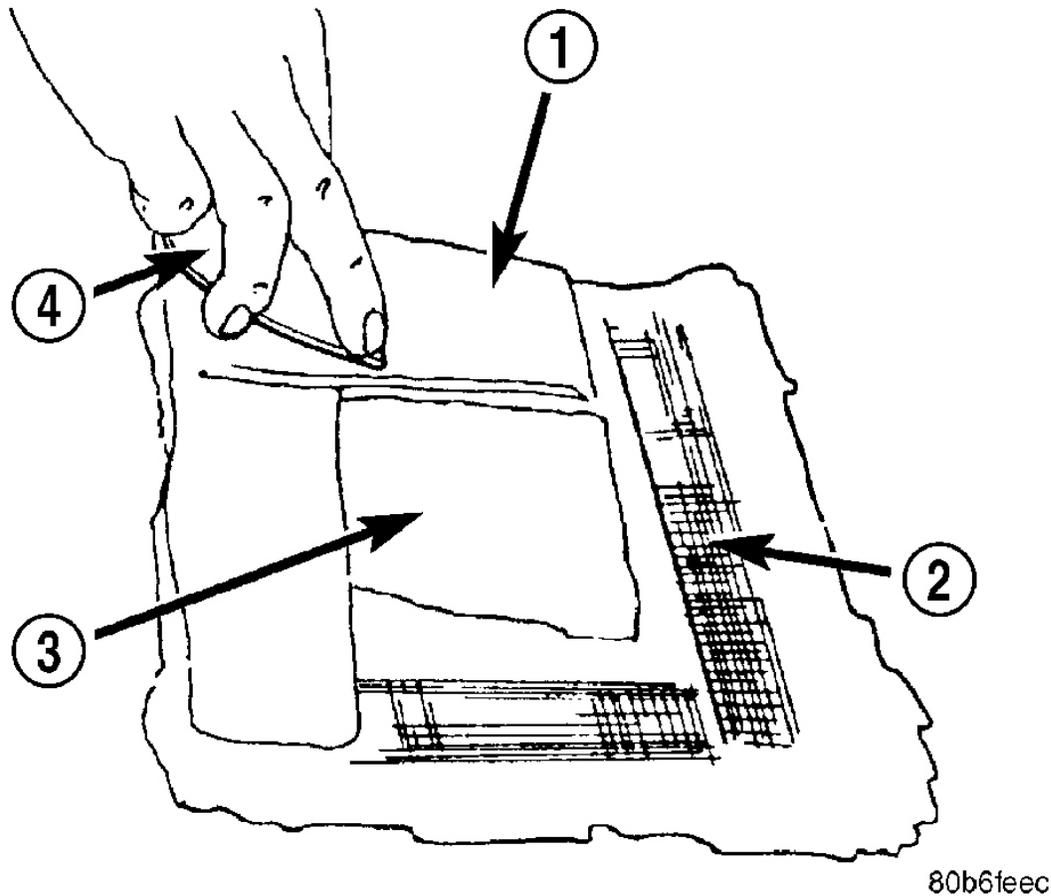


Fig. 15: Covering Mesh With Adhesive
Courtesy of CHRYSLER LLC

1 - ADHESIVE
2 - MESH
3 - PATCH
4 - SPREADER

20. Apply adhesive over the mesh around patch, and smooth epoxy with a wide spreader to reduce finish grinding. Use two to three layers of mesh and adhesive to create a stronger repair.

PATCHED PANEL SURFACING

After patch panel is installed, the patch area can be finished using the same methods as finishing other types of body panels. If mesh material is exposed in the patched area, grind surface down, and apply a coat of high quality rigid plastic body filler. Prime, block sand, and paint as required.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

HEAT STAKING

1. Remove trim panel.
2. Bend or move the trim panel components at the heat staked joints. Observe the heat staked locations and/or component seams for looseness.
3. Heat stake the components.
 - If the heat staked or component seam location is loose, hold the two components tightly together and using a soldering gun with a flat tip, melt the material securing the components together. Do not over heat the affected area, damage to the exterior of the trim panel may occur.
 - If the heat staked material is broken or missing, use a hot glue gun to apply new material to the area to be repaired. The panels that are being heat staked must be held together while the applying the glue. Once the new material is in place, it may be necessary to use a soldering gun to melt the newly applied material. Do not over heat the affected area, damage to the exterior of the trim panel may occur.
4. Allow the repaired area to cool and verify the repair.
5. Install trim panel.

BUZZ, SQUEAK & RATTLE

Buzz, Squeak & Rattles (BSR) may be caused by any one or more of the following and may be corrected as indicated:

Loose fasteners should be tightened to specifications.

Damaged or missing clips should be replaced.

Damaged trim panels should be replaced.

Incorrectly installed trim panels should be reinstalled properly.

Many BSR complaints such as loose trim, can be serviced using the Mopar® Parts BSR Noise Reduction Kit. This kit contains various tapes including foam, flock and anti-squeak used to eliminate noises caused by metal, plastic and vinyl components. Long life lubricants and greases can also be used on a variety of components. Refer to **Buzz, Squeak & Rattle Kit** for material contents and usage.

Buzz, Squeak & Rattle Kit

ITEM	FEATURES	APPLICATIONS	SERVICE TEMP
Itch And Squeak Tape	An abrasion resistant material thin enough to conform to most irregular surfaces. Stops most itches and squeaks.	Between metal and metal, metal and plastic, metal and vinyl, vinyl and plastic. Interior. Examples: Trim panels and bezels.	-40° to 225° Fahrenheit (-40° to 107° Celsius)
Black Nylon Flock	Nylon Flock with an aggressive acrylic adhesive. Provides for cushioning and compression fit, also isolates	Between metal and metal, metal and plastic, vinyl and plastic. Examples: Pull cups, bezels,	-40° to 180° Fahrenheit (-40° to 82° Celsius)

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

	components. Water-resistant.	clips, ducts, top cover to glass, cowl panel.	
High Density Urethane Foam	Tear resistant, highly resilient and durable.	Between metal and metal, metal and plastic. Water-resistant. Examples: I/P, heavy metal rattles, isolating brackets.	-40° to 180° Fahrenheit (-40° to 82° Celsius)
Open Cell Foam Tape	Soft foam conforms to irregular surfaces.	Wire harness and connector wrap. Examples: Seals, gasket, wiring, heat ducts.	-40° to 180° Fahrenheit (-40° to 82° Celsius)
Closed Cell Low Density Foam Tape	Soft, conformable. Water-resistant.	Wherever bulk is needed. Prevents closing flutters and rattles when applied to door watershield. Examples: Door, I/P.	-40° to 180° Fahrenheit (-40° to 82° Celsius)
NYE® Grease 880	Long life.	Suspensions. Examples: Strut busings, sway bars.	-40° to 390° Fahrenheit (-40° to 200° Celsius)
Krytox® Oil	Long life. Will not dry out or harm plastics or rubber.	When access is not possible, oil will migrate to condition. Vinyl, rubber, plastic, metal. Examples: Convertible top bushings, pull cups trim panel inserts.	-30° to 400° Fahrenheit (-34° to 205° Celsius)
Krytox® Grease	Long life. Will not dry out or harm plastics or rubber.	Vinyl, rubber, plastic, metal, glass. Examples: Weather-strips, backlite and windshield moldings.	-30° to 400° Fahrenheit (-34° to 205° Celsius)

SPECIFICATIONS

SPECIFICATIONS - TORQUE

TORQUE SPECIFICATIONS

DESCRIPTION	N.m	Ft. Lbs.	In. Lbs.
Close out panel bolts	2.5	-	22
Fender bolts	9	-	80
Front door carrier plate bolts	5.5	-	50
Front door exterior handle nuts	4.5	-	40
Front door hinge to A-pillar bolts	26	19	-
Front door hinge to door nuts	36.5	27	-

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

Front door latch adjustment screw	4.5	-	40
Front door latch bracket screw to door shut face	7	-	60
Front door latch screw to door shut face	7	-	60
Front door latch striker bolts	26	19	-
Front door module screws	1.5	-	13
Front door speaker screws	1.5	-	13
Front door window motor screws	3.5	-	31
Front seat back recliner bolts	47.5	35	-
Front seat belt bolt	47.5	35	-
Front seat bolts/nuts riser to floor	62	46	-
Front seat nuts riser to frame	27.5	20	-
Front seat riser nuts to seat frame (Domestic)	47.5	35	-
Front seat riser nuts to seat frame (Export)	28	21	-
Grille opening reinforcement	10	-	85
Hood hinge to body bolts	20	15	-
Hood hinge to hood nuts	20	15	-
Hood latch bolts	13.5	10	-
Hood latch support bolts	8.5	-	75
Hood release handle bolts	4	3	-
Instrument panel center support bracket bolts	28	20.5	-
Instrument panel HVAC nuts/bolts	6	-	55
Instrument panel lower bolts	30.5	22.5	-
Instrument panel lower nuts	6	-	55
Instrument panel upper bolts	28	20.5	-
Lift gate exterior handle	8	6	-
Lift gate hinge to body bolts	28.5	21	-
Lift gate hinge to body nuts	28.5	21	-
Lift gate hinge to lift gate bolts	28.5	21	-
Lift gate striker screws	28	20.5	-
Load floor nuts	28	20.5	-
Outside mirror nuts	7	-	65
Radiator crossmember bolts	10	-	85
Rear door carrier plate bolts	5.5	-	50
Rear door hinge to B-pillar bolts	26	19	-
Rear door hinge to door nuts	36.5	27	-
Rear door latch adjustment screw	4.5	-	40
Rear door latch bracket screw to door shut face	7	-	60
Rear door latch screw to door shut face	7	-	60
Rear door latch striker bolts	26	19	-
Rear door exterior handle nuts	4.5	-	40
Rear door speaker screws	1.5	-	13

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

	3.5	-	31
Rear fascia support bolts	7	5	-
Rear seat belt anchor nut	62	46	-
Rear seat belt bolt	44.5	33	-
Rear seat 40 pivot bolt	27.5	20	-
Rear seat 40 power inverter screw	3	-	26.5
Rear seat 40 release lever	7	-	62
Rear seat 40 seat bolt	27.5	20	-
Rear seat 40 seat screw	10	-	88.5
Rear seat 40 shield screw	3	-	26.5
Rear seat 40 bracket bolts	47.5	35	-
Rear seat 60 bracket bolts	47.5	35	-
Rear seat hinge bolts	47.5	35	-
Rear seat recliner bolt	7	-	62
Rear seat riser bolts	10	-	88.5
Rear seat trim screws	3	-	26.5
Rear seat 60 belt attachment to seat back	47.5	35	-
Rear seat mounting bolts	54	40	-
Rear seat mounting nuts	62	46	-
Rear seat 60 release lever	7	-	62
Rear seat 60 seat bolt restraint	55	40.5	-
Rear seat 60 seat screw	8	-	71
Rear seat 60 seat screw	10	-	88.5
Rear seat 60 shield screw	3	-	26.5
Rear seat riser to seat frame bolts	10	7	-
Rear view mirror setscrew	1	-	15
Roof luggage rack bolts	6.2	-	55
Running boards bolts	-	-	-
Running boards nuts	25	18.5	-
Side step nuts/bolts	23	17	-
Side view mirror nuts	7	-	65
Sunroof mounting bolts	9	-	80
Washer bottle bolt	10	-	85

SPECIAL TOOLS**SPECIAL TOOLS**

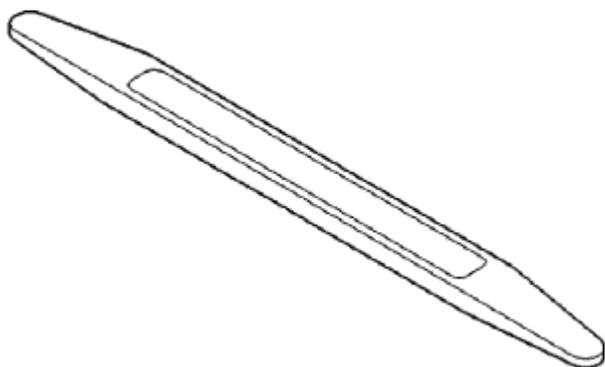
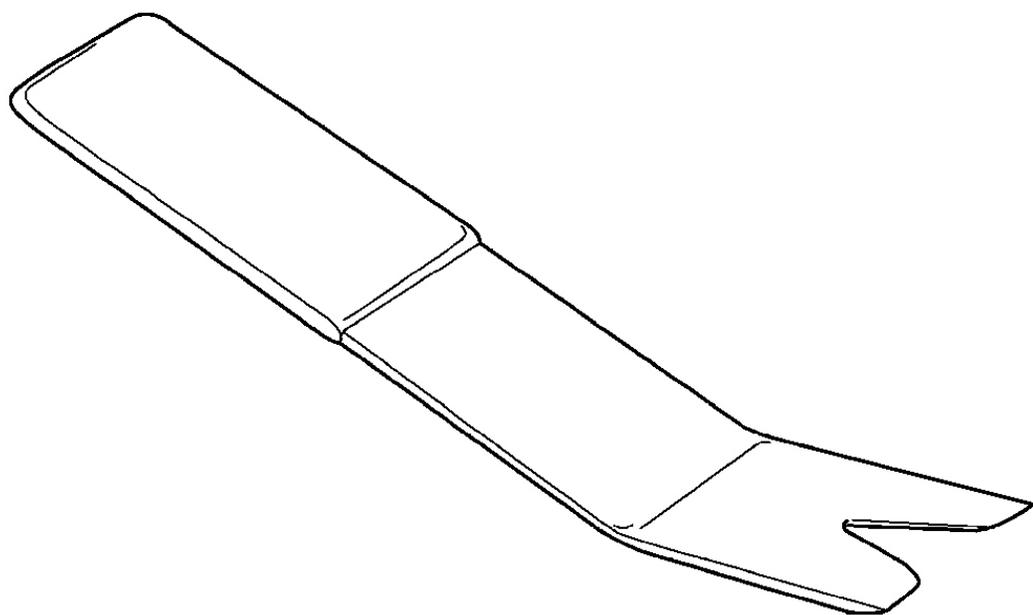


Fig. 16: Trim Stick C-4755
Courtesy of CHRYSLER LLC



Fig. 17: Torx Bit Set C-4794-B
Courtesy of CHRYSLER LLC



8119f95e

Fig. 18: Moldings Remover C-4829-A
Courtesy of CHRYSLER LLC

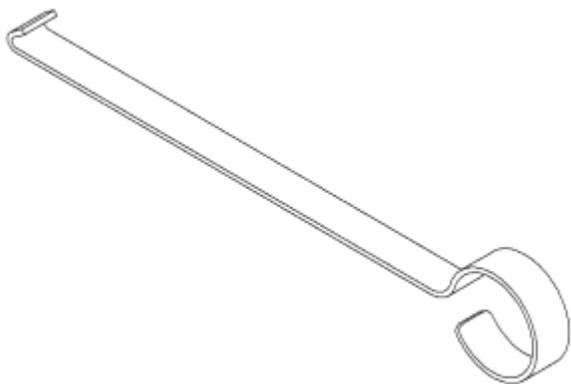


Fig. 19: Outer Belt Molding Remover - 9093
Courtesy of CHRYSLER LLC

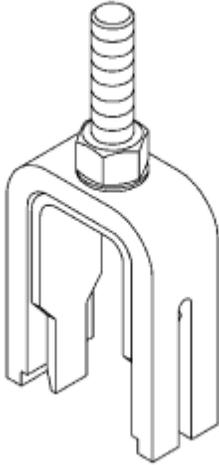


Fig. 20: Strain Gauge Holder 9689-A
Courtesy of CHRYSLER LLC

DOOR - FRONT

CARRIER PLATE

REMOVAL

CARRIER PLATE - FRONT DOOR

CAUTION: Do not attempt to remove the trim panel the conventional way. This door panel has hooks holding it to the door rather than push pins. The door module must be removed as an assembly. Carefully follow these instructions in order to prevent unnecessary damage to the trim panel.

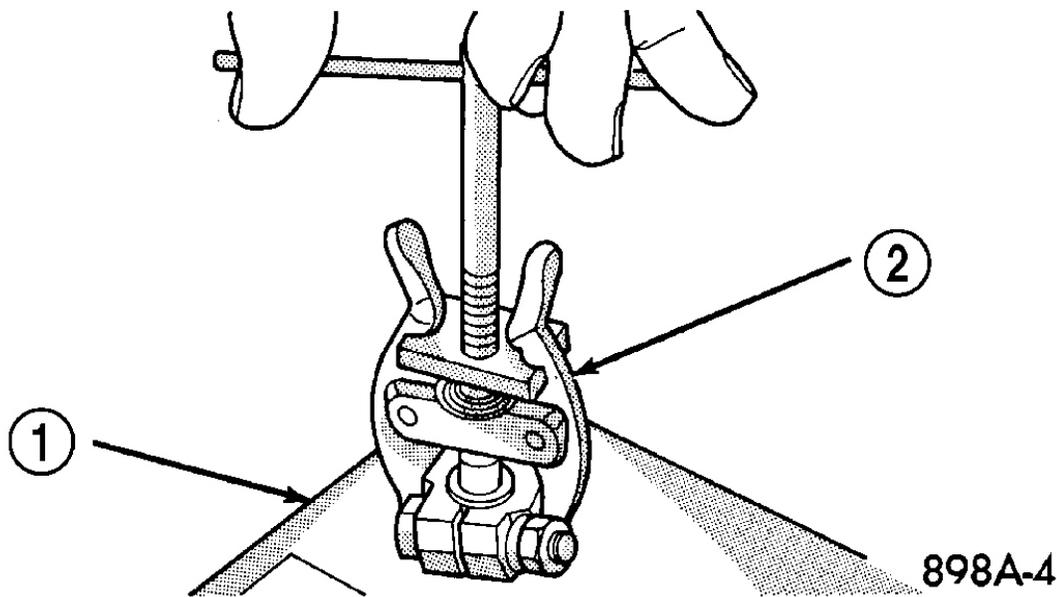


Fig. 21: Using Battery Terminal Removal Tool To Disconnect Negative Battery Cable From Battery
Courtesy of CHRYSLER LLC

1. Loosen the battery terminal nut and use a battery terminal removal tool (2) to disconnect the negative battery cable from the battery (1).
2. Remove the trim panel from the door. See **REMOVAL**.

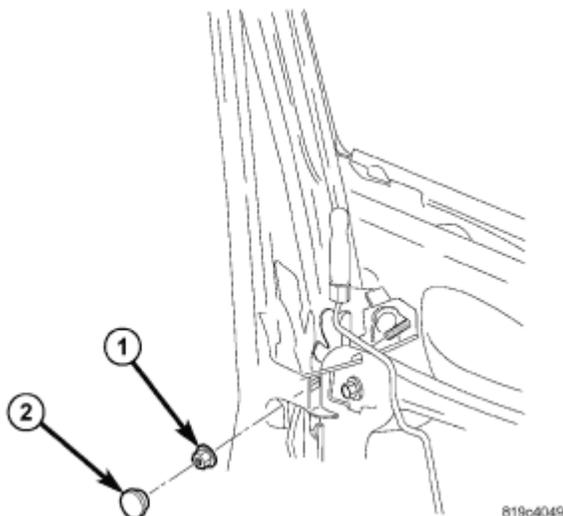


Fig. 22: Door Plug & Rear Exterior Handle Nut
Courtesy of CHRYSLER LLC

3. Remove the door plug (2).

4. Remove rear exterior handle nut (1).

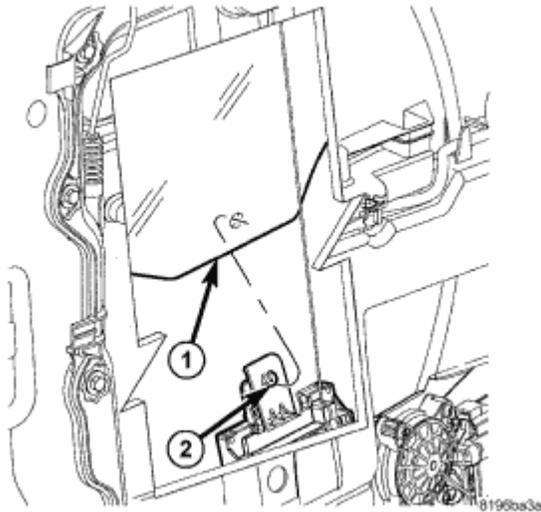


Fig. 23: Door Glass & Window Regulator Liftplate
 Courtesy of CHRYSLER LLC

NOTE: The window must be in proper position to disengage glass. Release tab on liftplate must be aligned with access hole in door module. Use a slotted screwdriver in the slot on the window regulator liftplate, press gently outboard while pressing down on the glass to release the glass from the liftplate.

5. Remove the tape covering the access hole on the carrier plate and discard. Access the window regulator liftplate through the hole in the carrier plate.
6. Push down the door glass (1) and use a slotted screwdriver to release the tab on the window regulator liftplate (2). Lift the glass up and secure to the header.

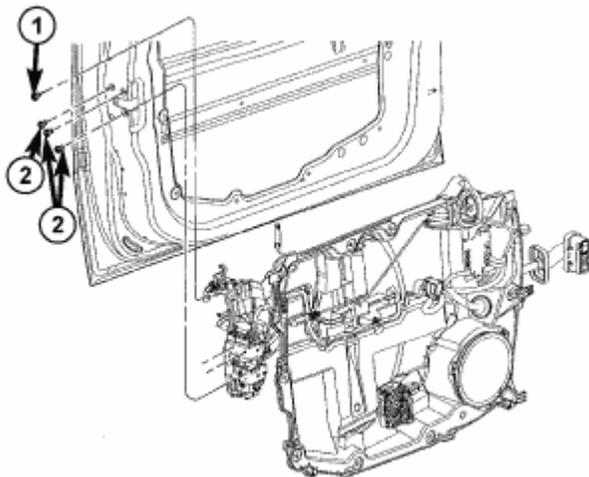
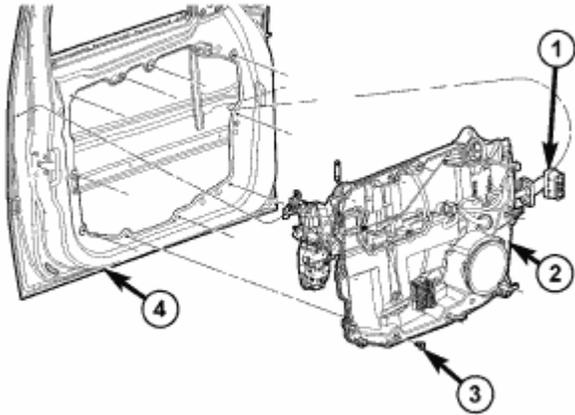


Fig. 24: Removing/Installing Door Latch & Latch Bracket Securing Screws

Courtesy of CHRYSLER LLC

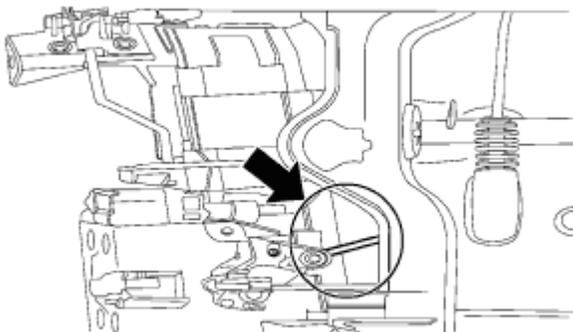
7. Remove the three screws (2) securing the door latch to the door shut face.
8. Remove the one screw (1) attaching the latch bracket to the door shut face.



819856ca

Fig. 25: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

9. Disconnect and remove the electrical connector (1) from the door (4).
10. Remove the 10 screws (3) from the carrier plate (2).
11. Disconnect the outside mirror electrical connector.
12. Remove the carrier plate (2) from the door (4).



819bc5db

Fig. 26: Disconnecting/Connecting Inside Lock Rod
Courtesy of CHRYSLER LLC

NOTE: The window regulator is not serviceable. The new carrier plate will come

equipped with the regulator assembly installed.

NOTE: All the lock rods are color coded to help identify the location for the particular lock rod.

13. Disconnect the inside lock rod from the latch.

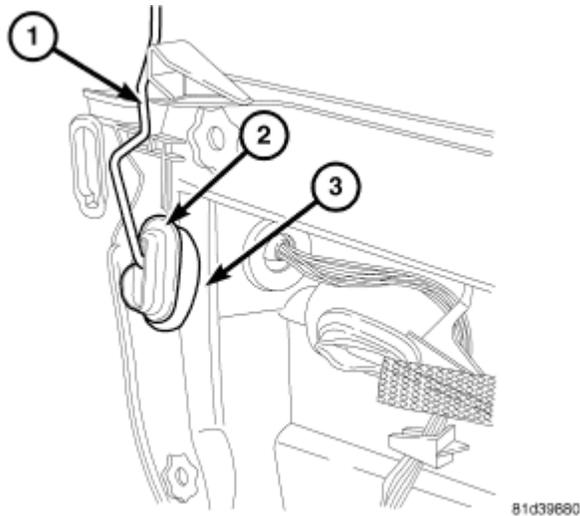


Fig. 27: Inside Lock Rod, Grommet & Carrier Plate
Courtesy of CHRYSLER LLC

14. Disengage the grommet (2) and remove the inside lock rod (1) from carrier plate (3).

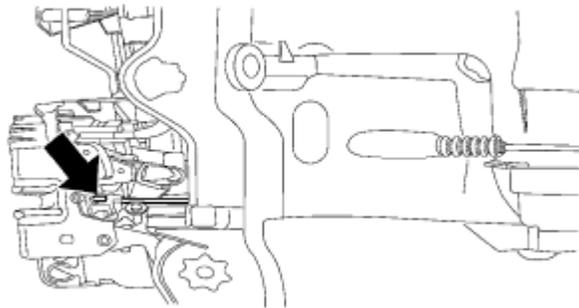


Fig. 28: Disconnecting/Installing Interior Handle Lock Rod
Courtesy of CHRYSLER LLC

15. Disconnect the interior handle lock rod from the latch.

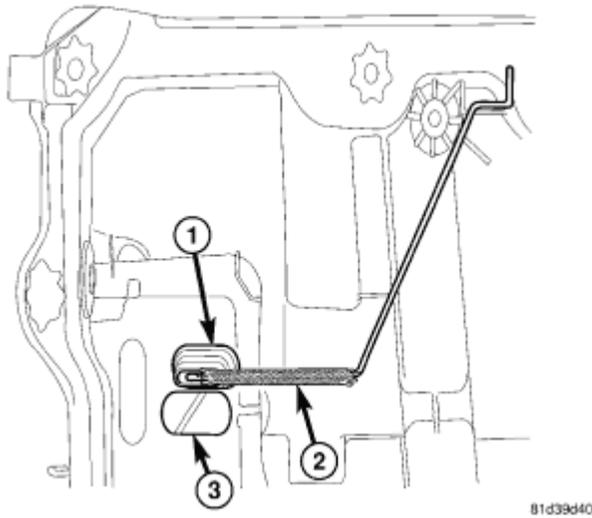


Fig. 29: Grommet, Interior Handle Lock Rod & Carrier
Courtesy of CHRYSLER LLC

16. Remove interior handle lock rod (2) and grommet (1) from carrier (3).

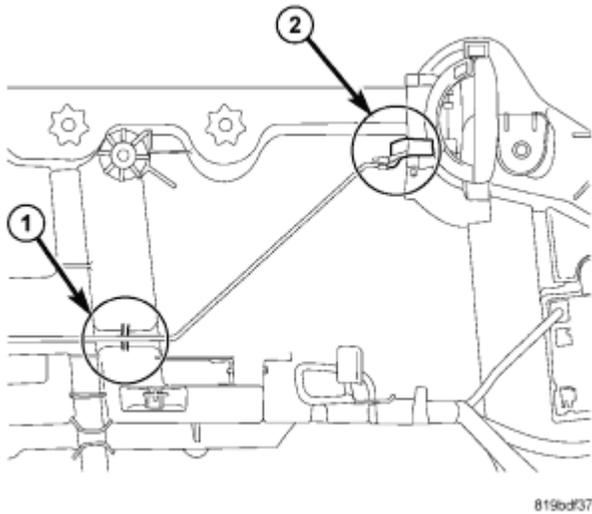


Fig. 30: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

17. Remove the interior lock rod from the interior handle.

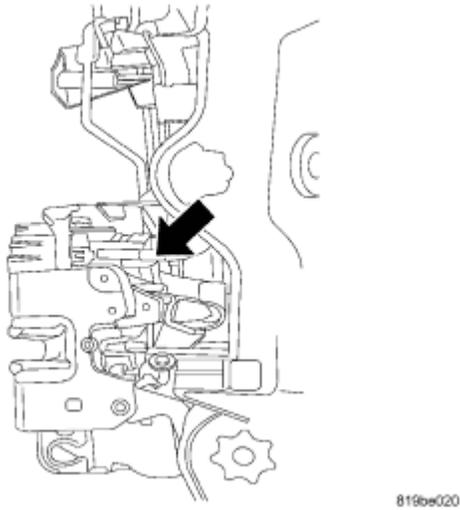


Fig. 31: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

18. Disconnect the latch electrical connector.

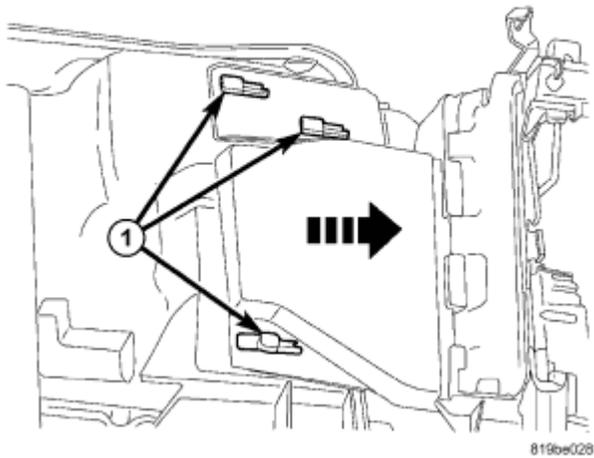


Fig. 32: Carrier Plate Slots
Courtesy of CHRYSLER LLC

19. Turn the carrier plate over and slide the latch bracket assembly to remove from the carrier plate slots (1).

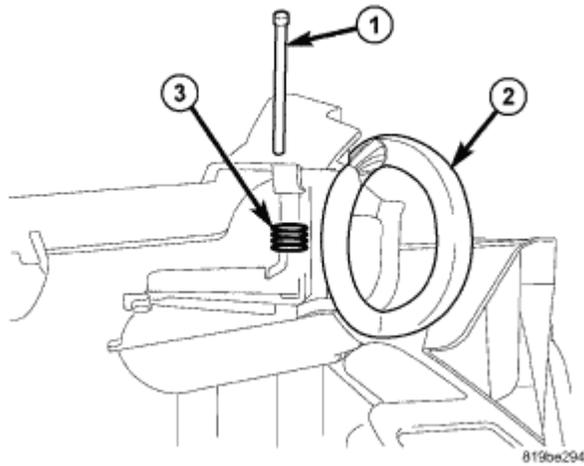


Fig. 33: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

20. Remove the push pin (1) from the handle.
21. Remove the spring (3) and handle (2) from the carrier.

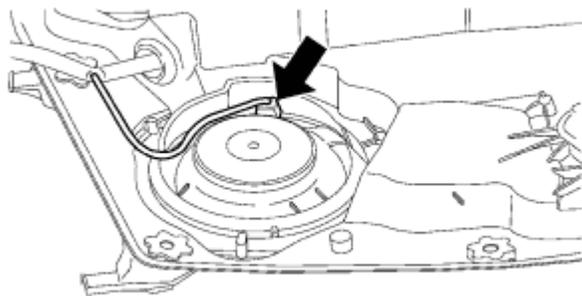
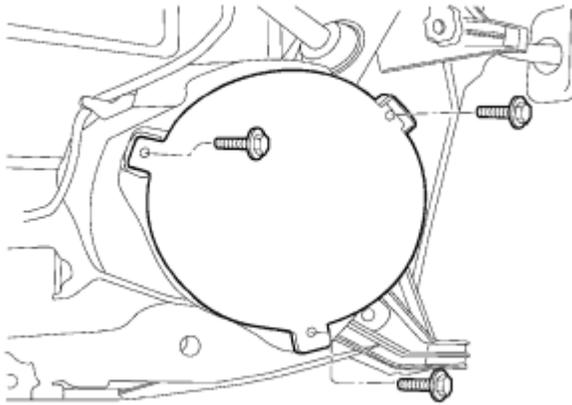


Fig. 34: Disconnecting/Connecting Speaker Electrical Connector
Courtesy of CHRYSLER LLC

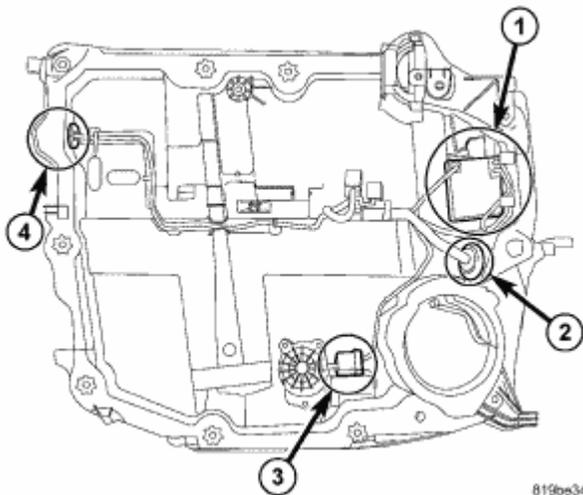
22. Disconnect the speaker electrical connector.
23. Remove speaker wire from wire clip.



819be2d8

Fig. 35: Removing/Installing Speaker Bolts & Speaker
Courtesy of CHRYSLER LLC

24. Remove the speaker bolts and speaker from the carrier.



819be343

Fig. 36: Identifying Connectors & Electrical Harness
Courtesy of CHRYSLER LLC

25. Remove the electrical harness (4) from the carrier plate.
26. Release harness from all the hooks in the carrier plate.
27. Disconnect the connectors (1) from the module.
28. Disconnect the connector (3) from the window motor.
29. Remove the electrical harness (2) from the carrier plate.
30. Remove the harness from the carrier plate.

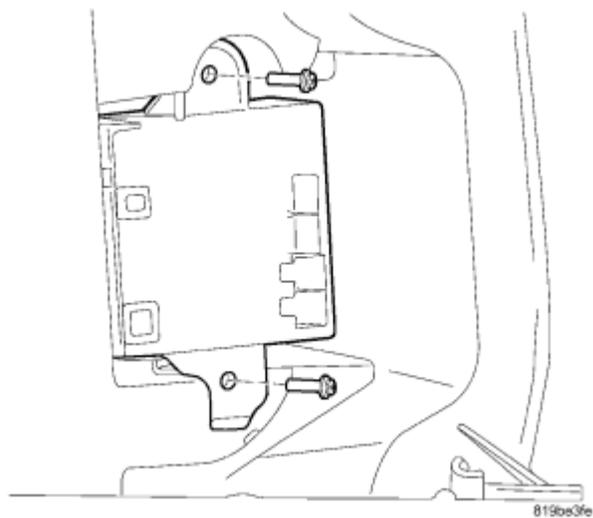


Fig. 37: Removing/Installing Screws And Module
Courtesy of CHRYSLER LLC

31. Remove the screws and module from the carrier plate.

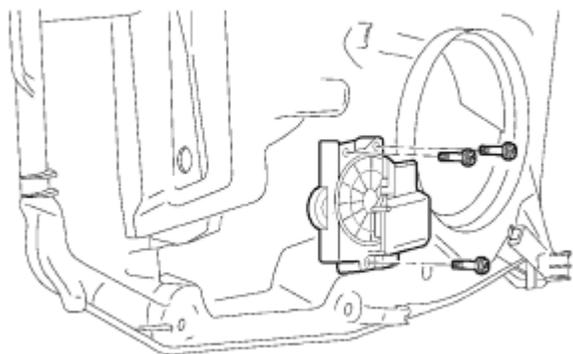
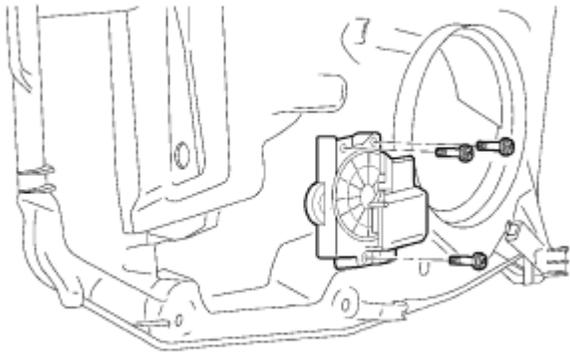


Fig. 38: Removing/Installing Screws And Window Motor
Courtesy of CHRYSLER LLC

32. Remove the screws and window motor from the carrier plate.

INSTALLATION

CARRIER PLATE - FRONT DOOR

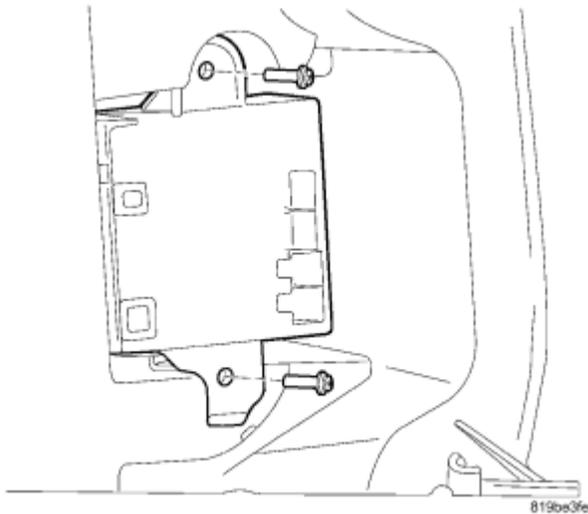


819be48a

Fig. 39: Removing/Installing Screws And Window Motor
Courtesy of CHRYSLER LLC

NOTE: All the lock rods are color coded to help identify the location for the particular lock rod.

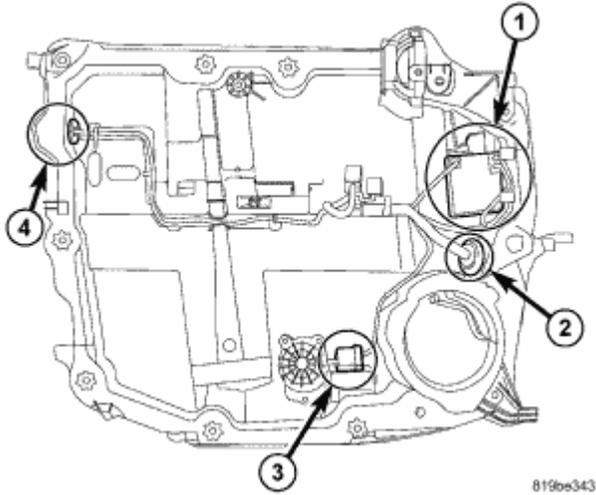
1. Install the window motor and screws to the carrier plate and tighten to 3.5 N.m (31 in. lbs.).



819be3fe

Fig. 40: Removing/Installing Screws And Module
Courtesy of CHRYSLER LLC

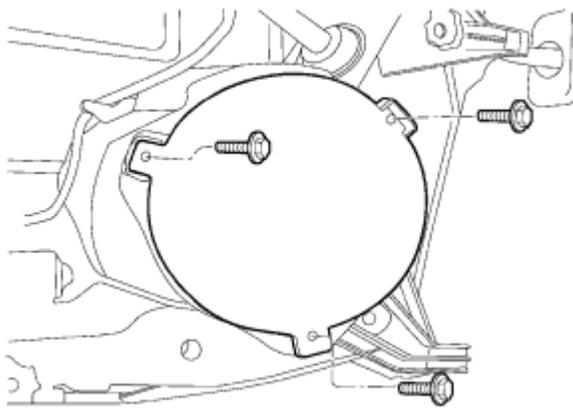
2. Install the module and screws to the carrier plate and tighten to 1.5 N.m (13 in. lbs.).



816be343

Fig. 41: Identifying Connectors & Electrical Harness
Courtesy of CHRYSLER LLC

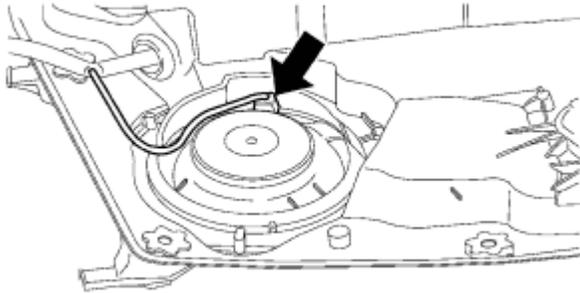
3. Install the harness to the carrier plate.
4. Install the electrical harness (2) and seat the rubber grommet into the carrier plate.
5. Connect the electrical connector (3) to the motor.
6. Connect the electrical connectors (1) to the module.
7. Route the harness through all of the hooks in the carrier plate.
8. Install the electrical harness (4) and seat the rubber grommet into the carrier plate.



816be2d8

Fig. 42: Removing/Installing Speaker Bolts & Speaker
Courtesy of CHRYSLER LLC

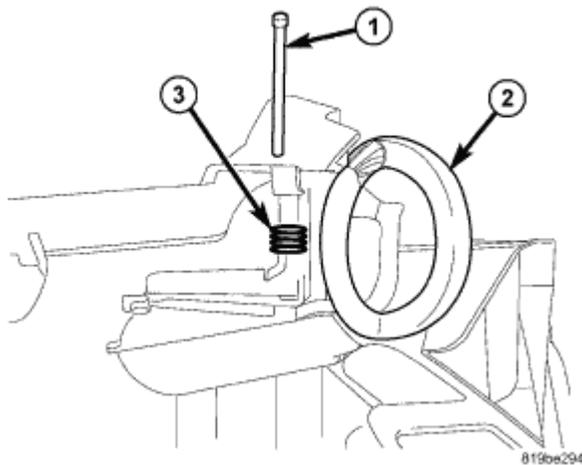
9. Install the speaker and bolts to the carrier and tighten to 1.5 N.m (13 in. lbs.).



819be2c2

Fig. 43: Disconnecting/Connecting Speaker Electrical Connector
Courtesy of CHRYSLER LLC

10. Connect the speaker electrical connector.
11. Install speaker wire to wire clip.

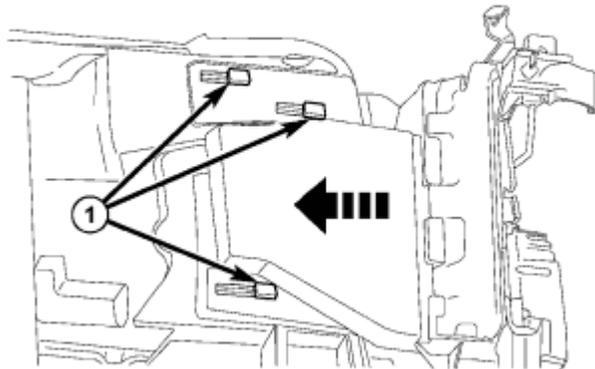


819be294

Fig. 44: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

12. Install the handle (2) and spring (3) to the carrier.
13. Install the push pin (1) into the carrier, spring and the handle.

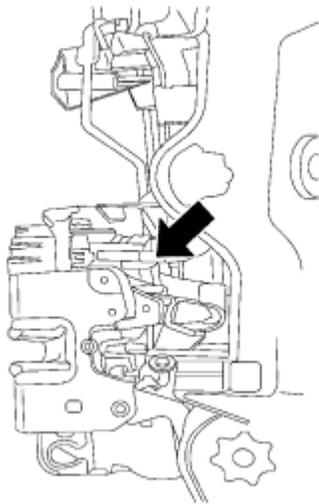
NOTE: Make sure that the push pin is seated flush with the carrier.



819be0ef

Fig. 45: Identifying Carrier Plate Slots
Courtesy of CHRYSLER LLC

14. Install the latch bracket assembly to the carrier plate slots (1) then slide the latch bracket until fully seated.



819be020

Fig. 46: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

15. Connect the latch electrical connector.

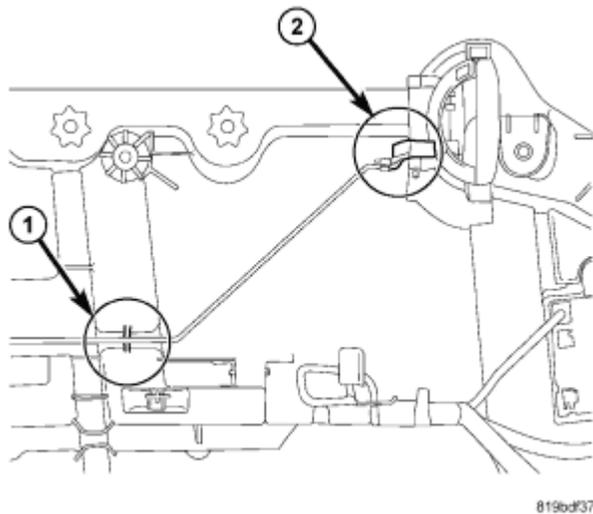


Fig. 47: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

16. Install the interior lock rod to the interior handle (2). Make sure the lock rod is positioned properly to the carrier (1).

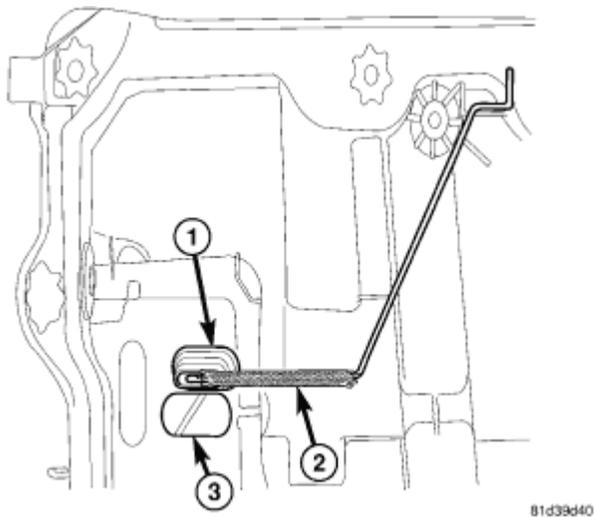
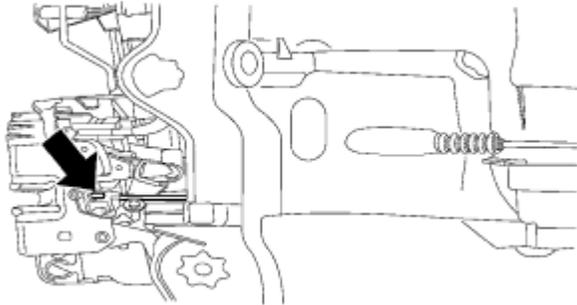


Fig. 48: Grommet, Interior Handle Lock Rod & Carrier
Courtesy of CHRYSLER LLC

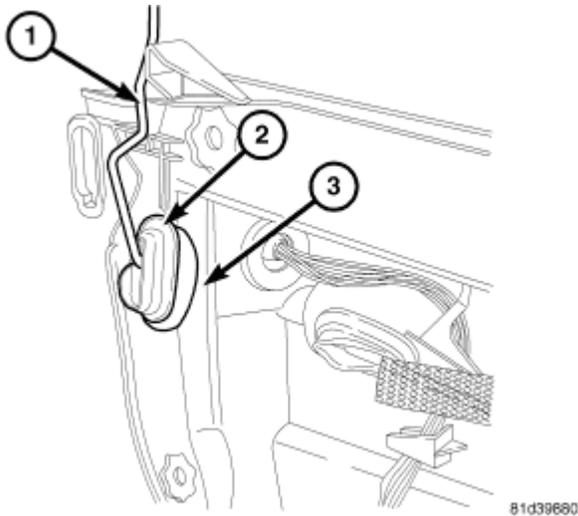
17. Install the interior lock rod (2) into the carrier plate (3) and seat the grommet (1).



816bdeb4

Fig. 49: Disconnecting/Installing Interior Handle Lock Rod
Courtesy of CHRYSLER LLC

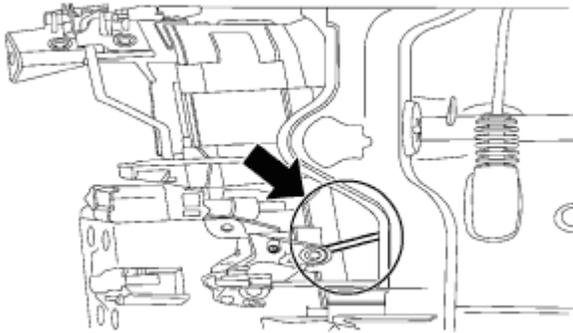
18. Connect the interior handle lock rod to the latch.



81d39680

Fig. 50: Inside Lock Rod, Grommet & Carrier Plate
Courtesy of CHRYSLER LLC

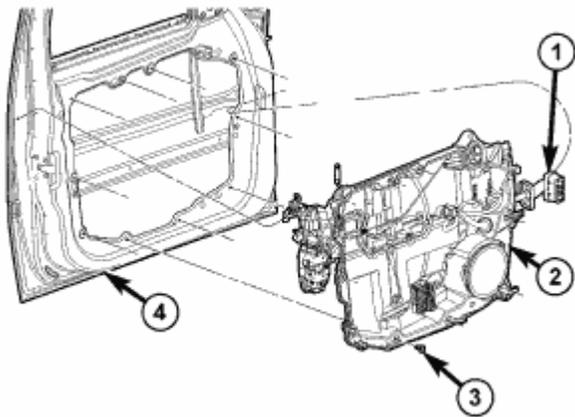
19. Install the inside lock rod (1) to the carrier plate (3) and seat the grommet (2).



819bc5db

Fig. 51: Disconnecting/Connecting Inside Lock Rod
Courtesy of CHRYSLER LLC

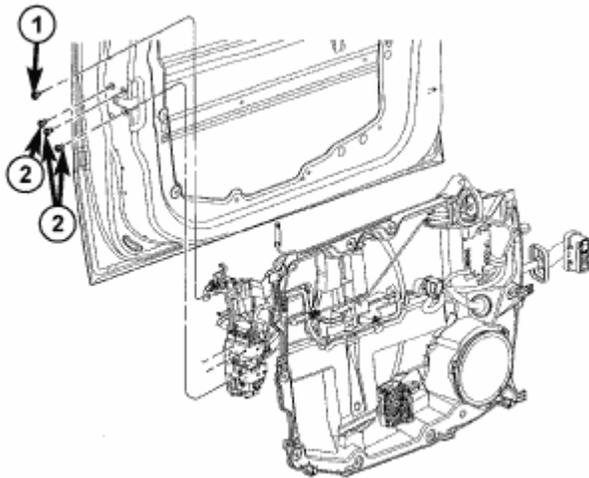
20. Connect the inside lock rod to the latch.



819856ca

Fig. 52: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

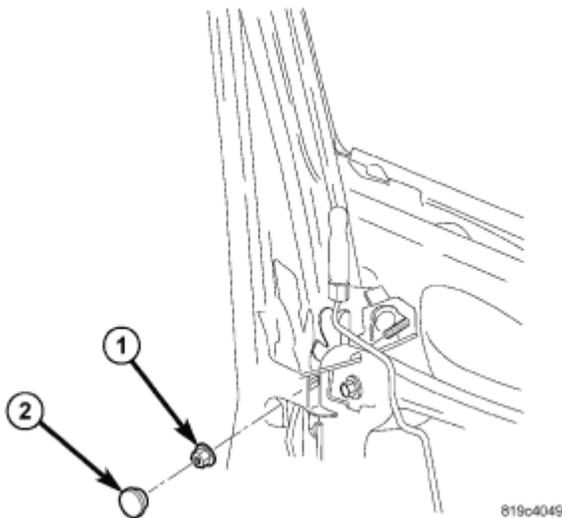
21. Connect the outside mirror electrical connector.
22. Install the electrical connector (1) to the door (4) and connect the electrical connector.
23. Align the carrier plate (2) to the door (4).



81965a81

Fig. 53: Removing/Installing Door Latch & Latch Bracket Securing Screws
 Courtesy of CHRYSLER LLC

24. Install the three screws (2) securing the door latch to the door shut face and tighten screws to 7 N.m (60 in. lbs.).
25. Install the one screw (1) attaching the latch bracket to the door shut face and tighten screw to 7 N.m (60 in. lbs.).

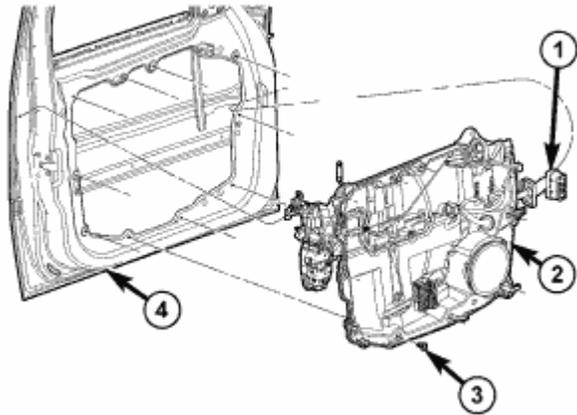


819c4049

Fig. 54: Door Plug & Rear Exterior Handle Nut
 Courtesy of CHRYSLER LLC

NOTE: The door glass must be in the full up position in order to access the rear exterior handle nut. Use a light and a magnetic socket on the rear nut to prevent dropping the nut into the door assembly.

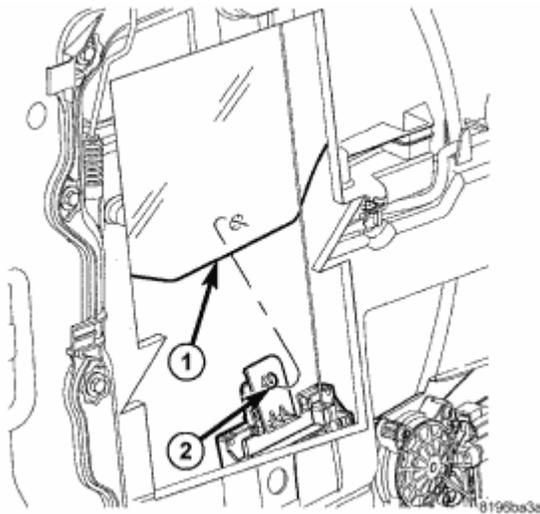
26. Install the rear nut (1) to the exterior handle and tighten to 4.5 N.m (40 in. lbs.).
27. Install the door plug (2) to the door.



819856ca

Fig. 55: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

28. Install the 10 screws (3) to the carrier plate (2) and tighten screws to 5.5 N.m (50 in. lbs.).



8198563a

Fig. 56: Door Glass & Window Regulator Liftplate
Courtesy of CHRYSLER LLC

NOTE: The glass should snap into place. Make sure the glass is secure to the liftplate by pulling up on the glass to verify.

29. Connect the door glass (1) to the window regulator (2) by sliding the glass down into the liftplate.
30. Apply the adhesive tape to the inspection hole of the carrier plate.

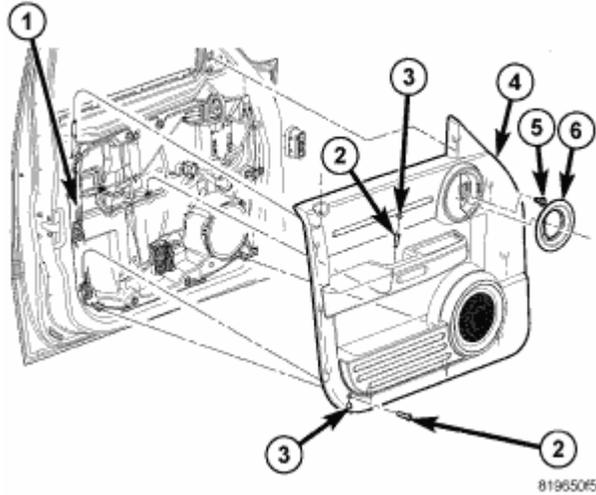


Fig. 57: Removing/Installing Trim Panel
Courtesy of CHRYSLER LLC

31. Install the trim panel to the door. See INSTALLATION.
32. Adjust the latch assembly, see ADJUSTMENTS.
33. Connect the negative battery cable to the battery.

NOTE: Cycle the door lock, open with interior and exterior door handles and operate the power window to make sure everything is working properly and no binding exists.

DOOR - FRONT

REMOVAL

DOOR - FRONT

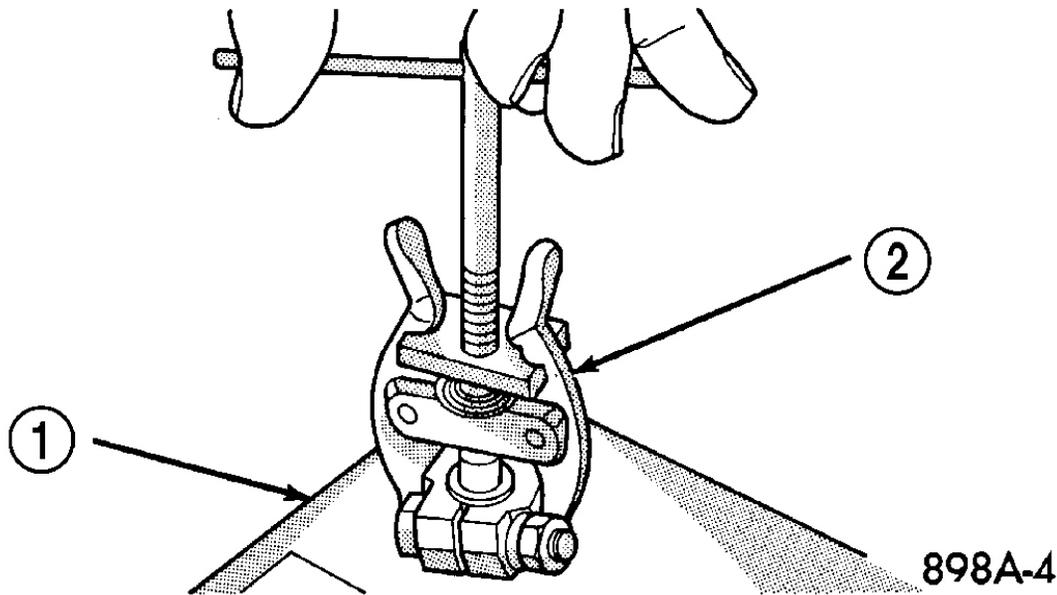


Fig. 58: Using Battery Terminal Removal Tool To Disconnect Negative Battery Cable From Battery
Courtesy of CHRYSLER LLC

1. Loosen the battery terminal nut and use a battery terminal removal tool (2) to disconnect the negative battery cable from the battery (1).

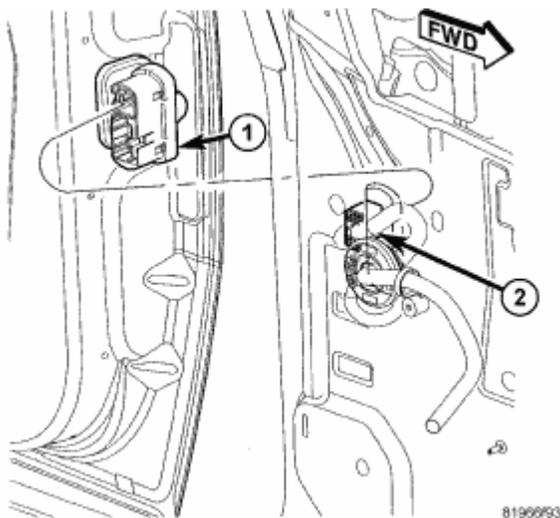


Fig. 59: Disconnecting/Connecting Door Harness Electrical Connector From/To Body Connector
Courtesy of CHRYSLER LLC

2. Disconnect the door harness electrical connector (1) from the body connector (2) at the A-pillar.

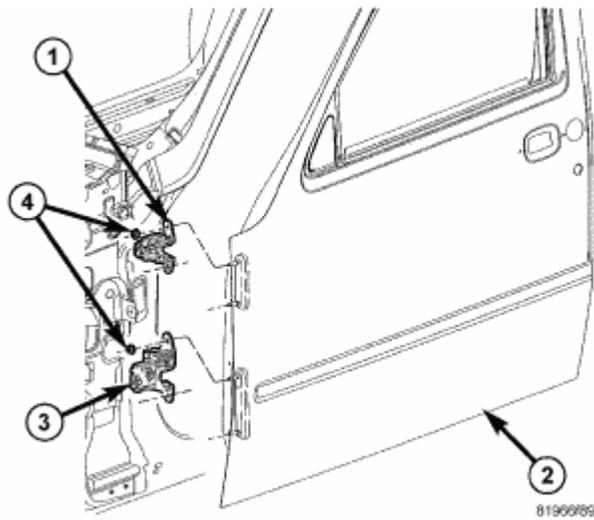


Fig. 60: Upper/Lower Hinges, Door & Nuts
Courtesy of CHRYSLER LLC

NOTE: Use a grease pencil or equivalent, mark the location of the upper (1) and lower (3) hinges on the door (2) for alignment during Reinstallation.

3. Support the door with a suitable lifting device.
4. Remove the nuts (4) attaching the door (2) to the upper (1) and lower (3) hinges.
5. Carefully remove the door (2) from the vehicle.

INSTALLATION

DOOR - FRONT

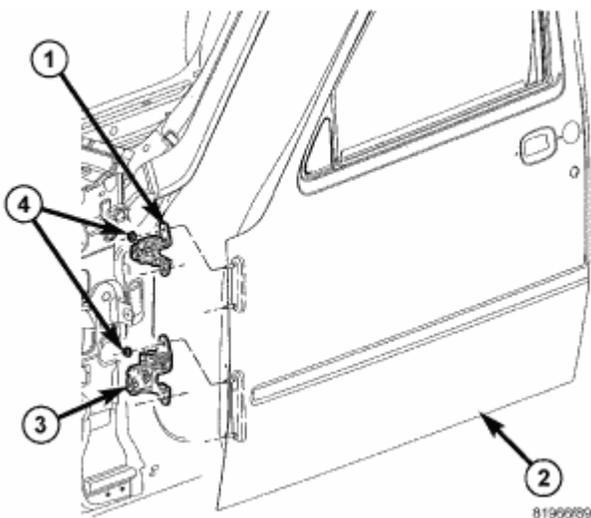


Fig. 61: Upper/Lower Hinges, Door & Nuts
Courtesy of CHRYSLER LLC

1. Carefully position the door (2) to the upper (1) and lower (3) hinges using a suitable lifting device.
2. Loosely install the nuts (4) to the door studs and hinges at the lower A-pillar.
3. Align the door to the body using the reference marks made during the removal procedure.
4. Tighten the hinge to door nuts to 36.5 N.m (27 ft. lbs.).

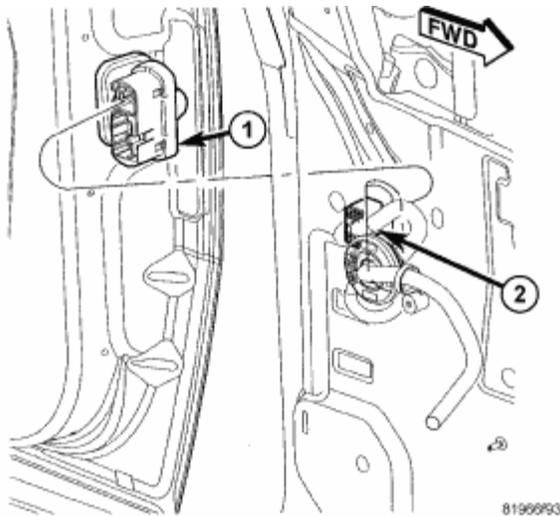


Fig. 62: Disconnecting/Connecting Door Harness Electrical Connector From/To Body Connector
 Courtesy of CHRYSLER LLC

5. Connect the door harness electrical connector (1) to the body connector (2) at the lower A-pillar.
6. Connect the negative battery cable to the battery.
7. If necessary, adjust the front door. See ADJUSTMENTS.

ADJUSTMENTS

DOOR - FRONT

NOTE: For vehicles with four doors, it is recommended that you adjust the rear door before adjusting the front door. See ADJUSTMENTS.

Door adjustment measurements should be taken from stationary or welded body panels like the roof, rocker or quarter panels.

During adjustment procedures, it is recommended that all the hinge fasteners be loosened except for the upper most fasteners. Adjustments can be made using the upper bolts to hold the door with final torque of the fasteners occurring after correct door positioning is achieved.

A suitable body sealant should be used when removing or moving the hinges.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

NOTE: Fore/aft (lateral) door adjustment is done by loosening the hinge to the hinge pillar fasteners one hinge at a time and moving the door to the correct position.

1. Support the door with a suitable lifting device.
2. Loosen the hinge to hinge pillar fasteners. See **REMOVAL**.
3. Adjust the door to the correct position. See **SPECIFICATIONS**.
4. Tighten the hinge pillar fasteners to 26 N.m (19 ft. lbs.).

UP/DOWN

NOTE: Up/down door adjustment is done by loosening either the hinge to the hinge pillar fasteners or the hinge to door fasteners and moving the door to the correct position.

NOTE: When the up/down adjustments are done correctly, the top of the door is positioned over flush to the roof. See **SPECIFICATIONS**.

1. Support the door with a suitable lifting device.
2. Loosen the latch striker bolts. See **REMOVAL**.
3. Loosen the hinge to door fasteners. See **REMOVAL** or loosen the hinge to hinge pillar fasteners . See **REMOVAL**.
4. Adjust the door to the correct position. See **SPECIFICATIONS**.
5. Tighten the hinge pillar fasteners to 26 N.m (19 ft. lbs.) or the door to hinges fasteners to 36.5 N.m (27 ft. lbs.).
6. Tighten the latch striker bolts. See **INSTALLATION**.

IN/OUT

NOTE: In/out door adjustment is done by loosening the hinge to door fasteners one hinge at a time and moving the door to the correct position.

1. Support the door with a suitable lifting device.
2. Loosen the latch striker bolts. See **REMOVAL**.
3. Loosen the hinge to door fasteners. See **REMOVAL**.
4. Adjust the door to the correct position. See **SPECIFICATIONS**.
5. Tighten the door to hinges fasteners to 36.5 N.m (27 ft. lbs.).
6. Tighten the latch striker bolts. See **INSTALLATION**.

GLASS - FRONT DOOR

REMOVAL

GLASS - FRONT DOOR

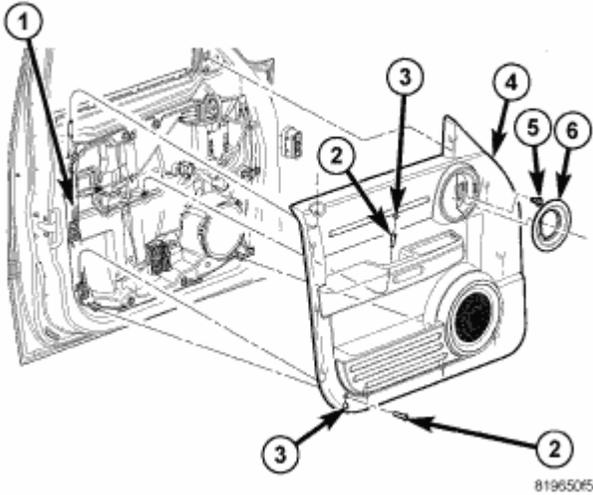


Fig. 63: Removing/Installing Trim Panel
 Courtesy of CHRYSLER LLC

CAUTION: Do not attempt to remove the trim panel the conventional way. This door panel has hooks holding it to the door rather than push pins. The door module must be removed as an assembly. Carefully follow these instructions in order to prevent unnecessary damage to the trim panel.

1. Remove the trim panel. See **REMOVAL**.

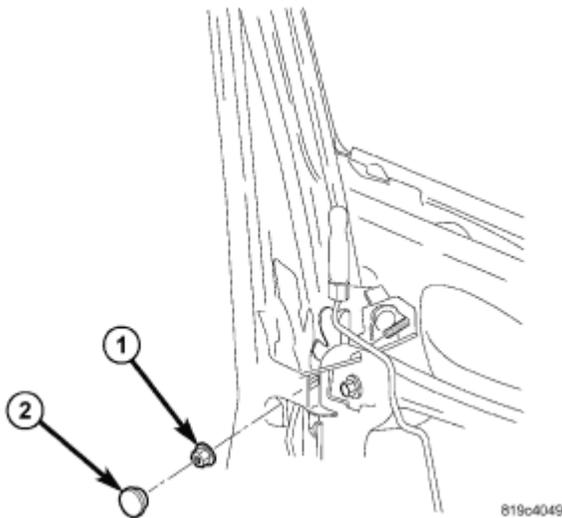
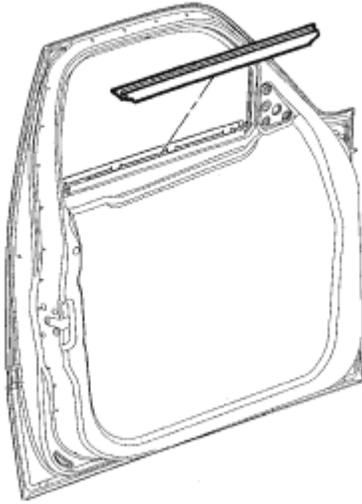


Fig. 64: Door Plug & Rear Exterior Handle Nut
 Courtesy of CHRYSLER LLC

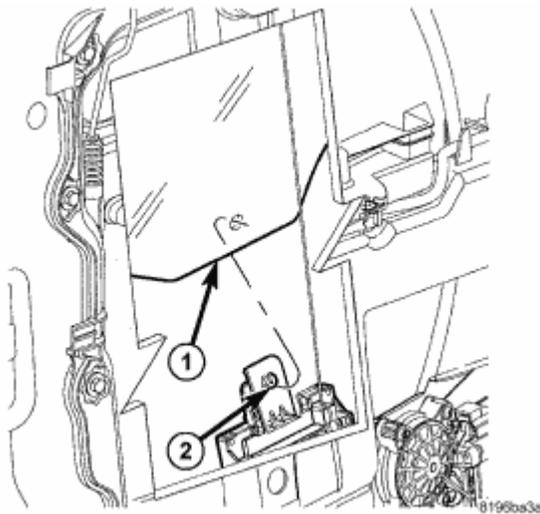
2. Remove the door plug (2).
3. Remove rear exterior handle nut (1).



8196a42

Fig. 65: Removing/Installing Inner Door Weatherstrip
Courtesy of CHRYSLER LLC

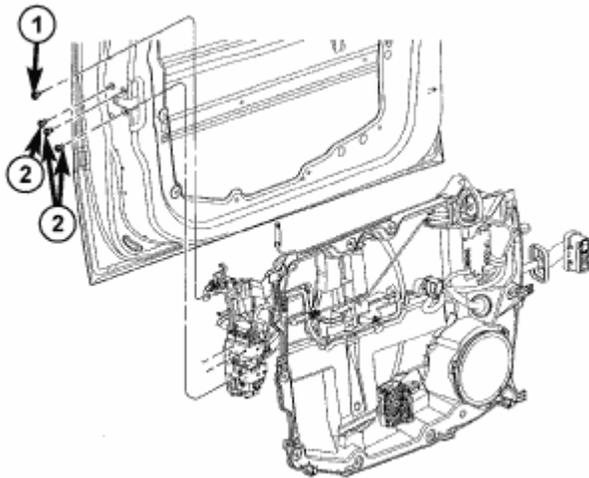
4. Remove the inner door weatherstrip. See **REMOVAL**.



8196a3a

Fig. 66: Door Glass & Window Regulator Liftplate
Courtesy of CHRYSLER LLC

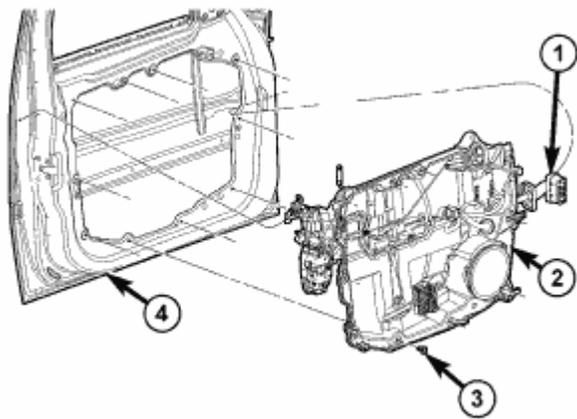
5. Remove the tape covering the access hole on the carrier plate and discard. Access the window regulator liftplate through the hole in the carrier plate.
6. Push down the door glass (1) and use a screw driver to release the tap on the window regulator liftplate (2). Lift the glass up and secure the to the header.



81985a81

Fig. 67: Removing/Installing Door Latch & Latch Bracket Securing Screws
Courtesy of CHRYSLER LLC

7. Remove the three screws (2) securing the door latch to the door shut face.
8. Remove the one screw (1) attaching the latch presenter to the door shut face.



819856ca

Fig. 68: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

9. Disconnect and remove the electrical connector (1) from the door (5).
10. Remove the rear exterior handle nut attaching the door handle to the latch presenter.
11. Remove the 10 screws (4) from the carrier plate (2).
12. Remove the carrier plate (2) from the door (5).

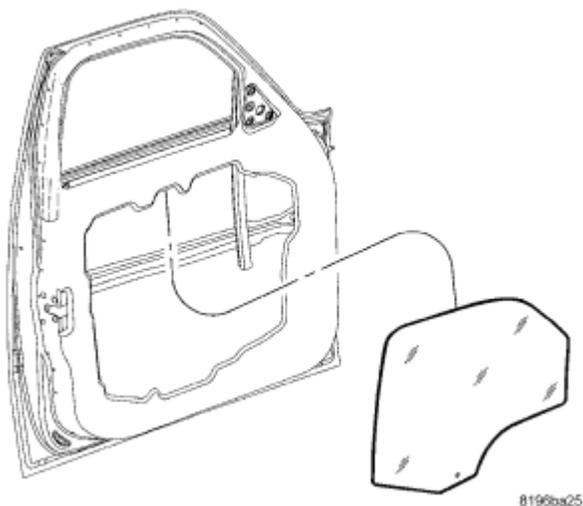


Fig. 69: Removing/Installing Front Door Glass
Courtesy of CHRYSLER LLC

13. Remove the door glass from the module opening in the door.

INSTALLATION

GLASS - FRONT DOOR

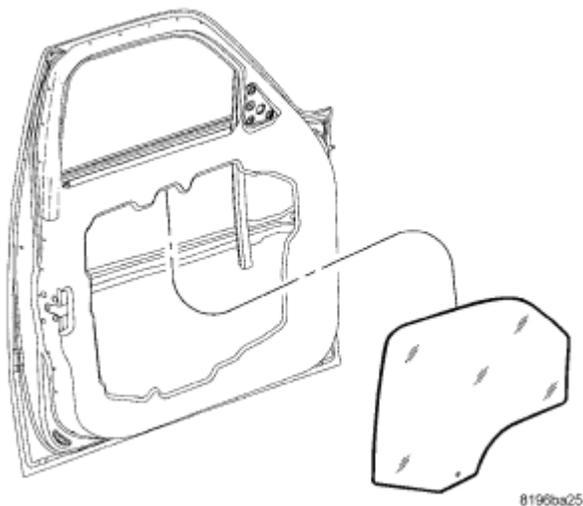
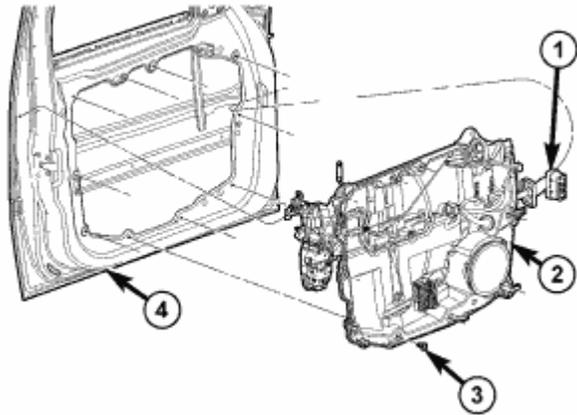


Fig. 70: Removing/Installing Front Door Glass
Courtesy of CHRYSLER LLC

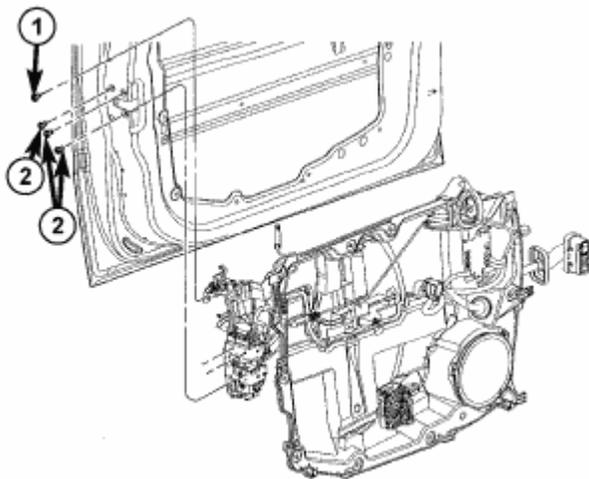
1. Install the door glass to the module opening in the door.



819656ca

Fig. 71: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

2. Align the latch presenter to the rear exterior handle stud.
3. Align the carrier plate (2) to the door (4).
4. Install the electrical connector (1) to the door (4) and connect the electrical connector.



81965a81

Fig. 72: Removing/Installing Door Latch & Latch Bracket Securing Screws
Courtesy of CHRYSLER LLC

5. Install the three screws (2) securing the door latch to the door shut face and tighten screws to 7 N.m (60 in. lbs.).
6. Install the one screw (1) attaching the latch present to the door shut face and tighten screw to 7 N.m (60 in. lbs.).

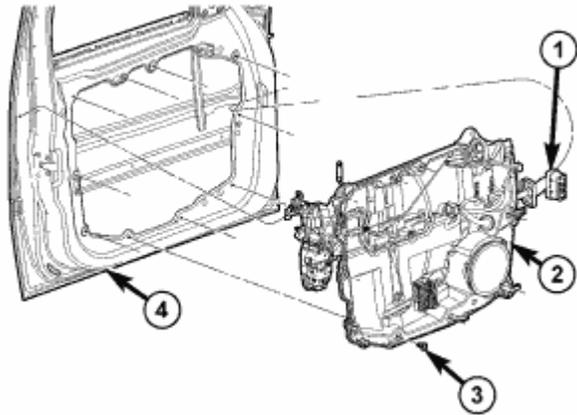


Fig. 73: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

7. Install the 10 screws (3) to the carrier plate (2) and tighten screws to 5.5 N.m (50 in. lbs.).

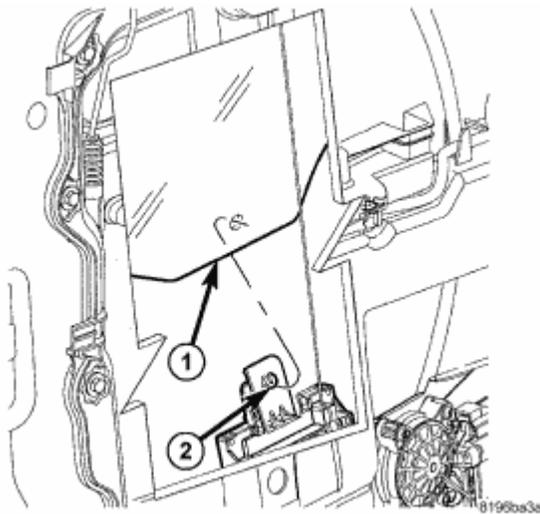
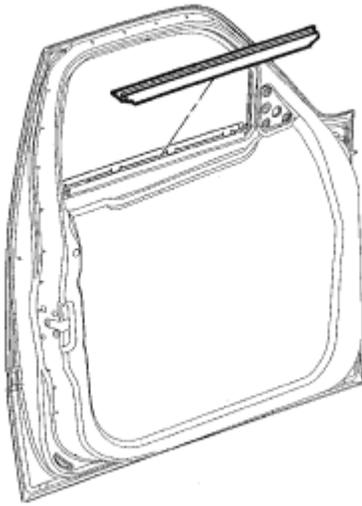


Fig. 74: Door Glass & Window Regulator Liftplate
Courtesy of CHRYSLER LLC

NOTE: The glass should snap into place. Make sure the glass is secure to the liftplate by pulling up on the glass to verify.

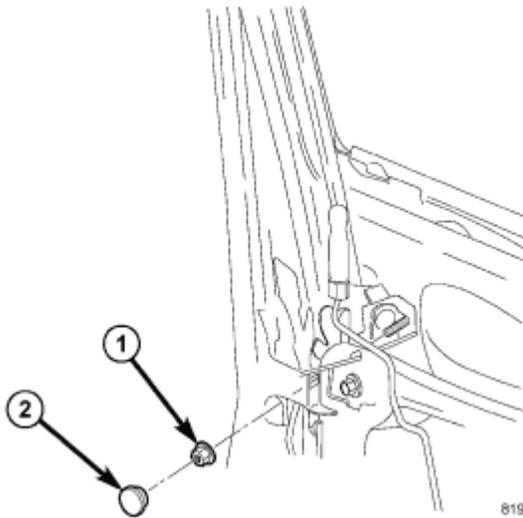
8. Connect the door glass (1) to the window regulator (2) by sliding the glass down into the liftplate.
9. Apply the adhesive tape to the inspection cover in the door module.



8190e4f2

Fig. 75: Removing/Installing Inner Door Weatherstrip
Courtesy of CHRYSLER LLC

10. Install the inner door weatherstrip. See **INSTALLATION**.



8190e409

Fig. 76: Door Plug & Rear Exterior Handle Nut
Courtesy of CHRYSLER LLC

NOTE: The door glass must be in the full up position in order to access the rear exterior handle nut. Use light and a magnetic socket on the rear nut to prevent from dropping the nut into the door assembly.

11. Install the rear nut (1) to the exterior handle and tighten to 4.5 N.m (40 in. lbs.).
12. Install the door plug (2) to the door.
13. Install the trim panel to the door. See **INSTALLATION**.

HANDLE - EXTERIOR DOOR

REMOVAL

HANDLE - EXTERIOR DOOR

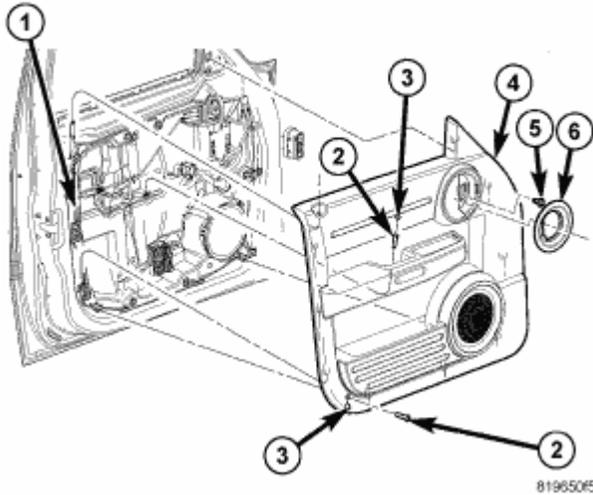


Fig. 77: Removing/Installing Trim Panel
Courtesy of CHRYSLER LLC

1. Remove the trim panel from the door. See **REMOVAL**.

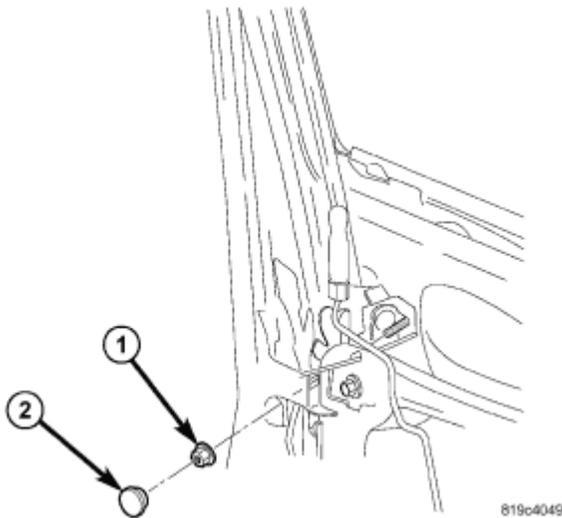
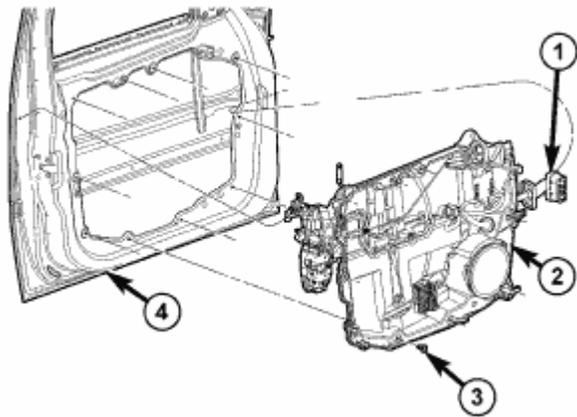


Fig. 78: Door Plug & Rear Exterior Handle Nut
Courtesy of CHRYSLER LLC

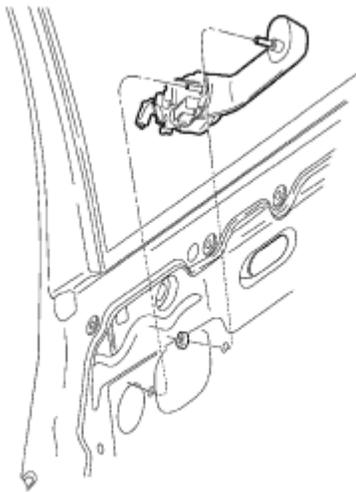
2. Remove the door plug (2).
3. Remove rear exterior handle nut (1).



819856ca

Fig. 79: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

4. Remove the carrier plate. See **REMOVAL**.



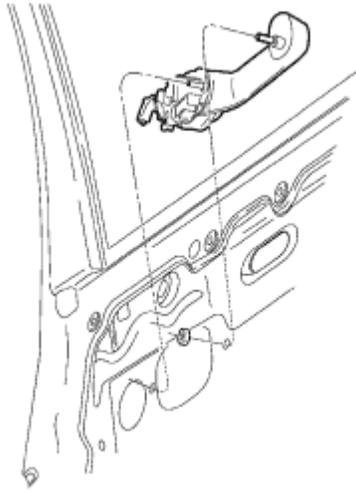
819c4044

Fig. 80: Removing/Installing Front Exterior Handle
Courtesy of CHRYSLER LLC

5. Remove the front exterior handle nut and remove the handle from the door.

INSTALLATION

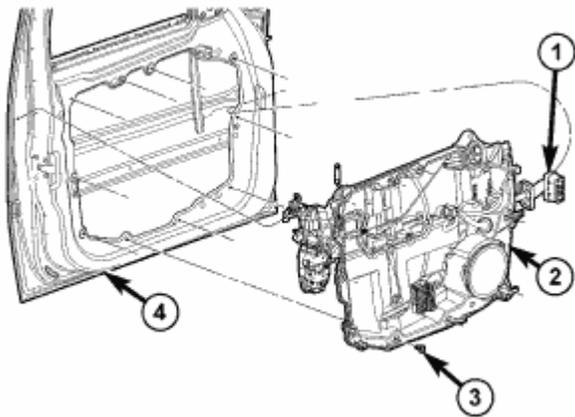
HANDLE - EXTERIOR DOOR



819b4044

Fig. 81: Removing/Installing Front Exterior Handle
Courtesy of CHRYSLER LLC

1. Position the handle on the door and install the front nut and tighten to 4.5 N.m (40 in. lbs.).



819856ca

Fig. 82: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

2. Install the carrier plate to the door. See INSTALLATION.

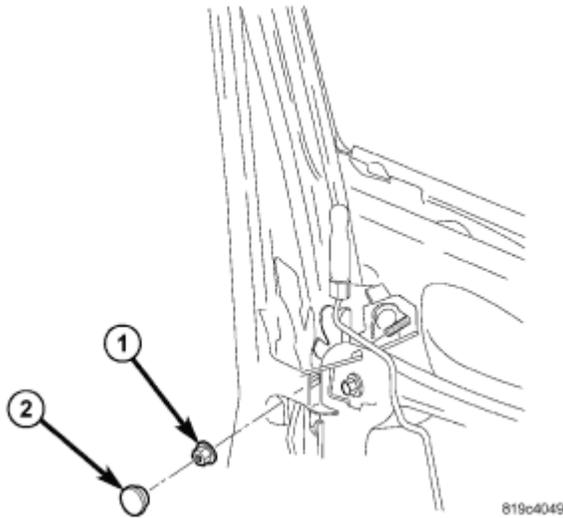


Fig. 83: Door Plug & Rear Exterior Handle Nut
 Courtesy of CHRYSLER LLC

NOTE: The door glass must be in the full up position in order to access the rear exterior handle nut. Use light and a magnetic socket on the rear nut to prevent from dropping the nut into the door assembly.

3. Install the rear nut (1) to the exterior handle and tighten to 4.5 N.m (40 in. lbs.).
4. Install the door plug (2) to the door.

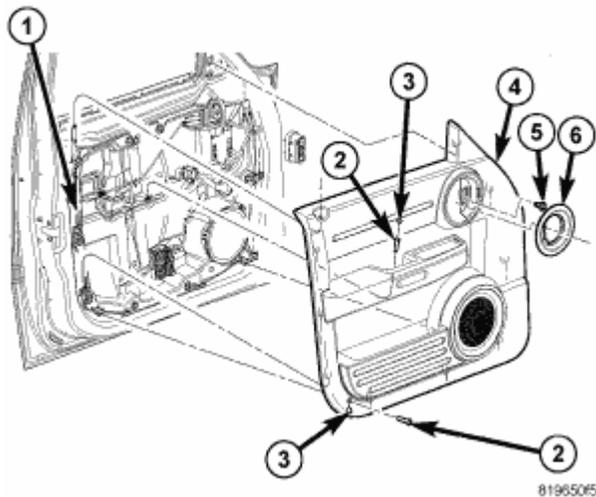


Fig. 84: Removing/Installing Trim Panel
 Courtesy of CHRYSLER LLC

5. Install the trim panel to the door. See INSTALLATION.
6. Adjust the latch. Refer to. See ADJUSTMENTS.

REMOVAL

HANDLE - INTERIOR DOOR

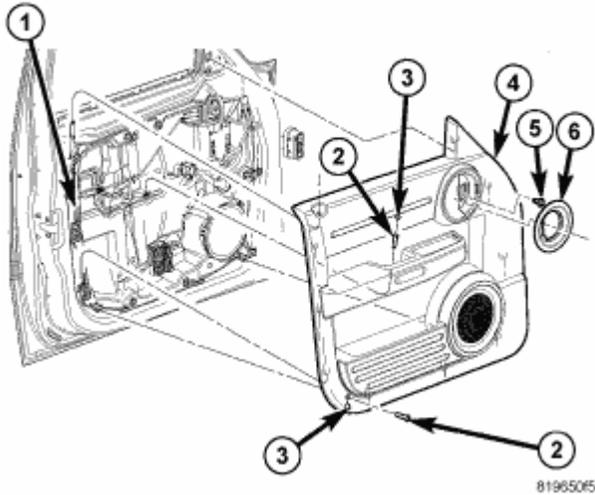


Fig. 85: Removing/Installing Trim Panel
Courtesy of CHRYSLER LLC

1. Remove the trim panel. See **REMOVAL**.

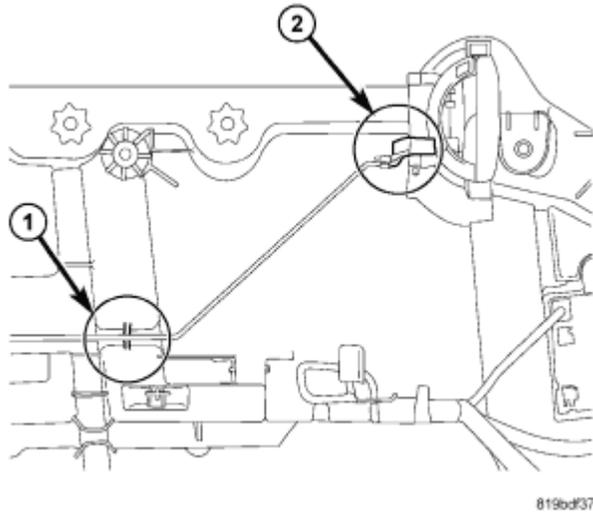


Fig. 86: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

2. Remove the interior lock rod from the interior handle.

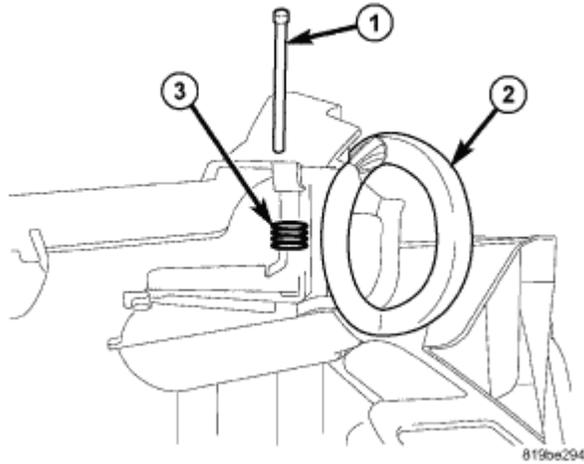


Fig. 87: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

3. Remove the push pin (1) from the handle.
4. Remove the spring (3) and handle (2) from the carrier.

INSTALLATION

HANDLE - INTERIOR DOOR

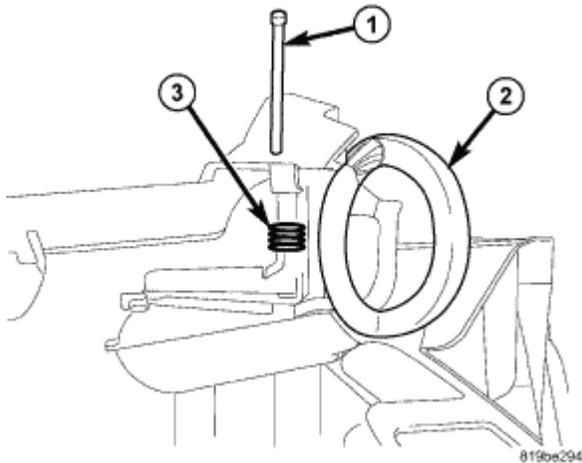


Fig. 88: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

1. Install the handle (2) and spring (3) to the carrier.
2. Install the push pin (1) into the carrier, spring and the handle.

NOTE: Make sure that the push pin is seated flush with the carrier.

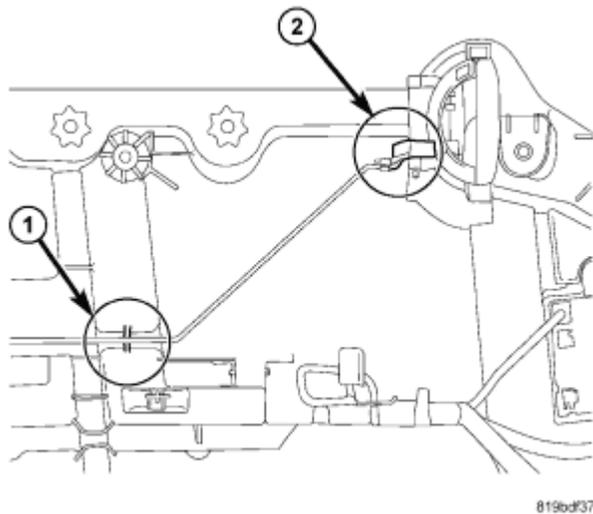


Fig. 89: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

3. Install the interior lock rod to the interior handle (2). Make sure the lock rod is positioned properly to the carrier (1).

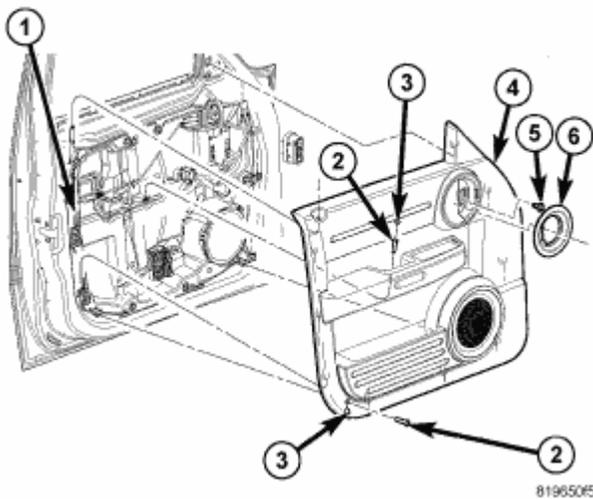


Fig. 90: Removing/Installing Trim Panel
Courtesy of CHRYSLER LLC

4. Install the trim panel. See INSTALLATION.

HINGE - FRONT DOOR

REMOVAL

HINGE - FRONT DOOR

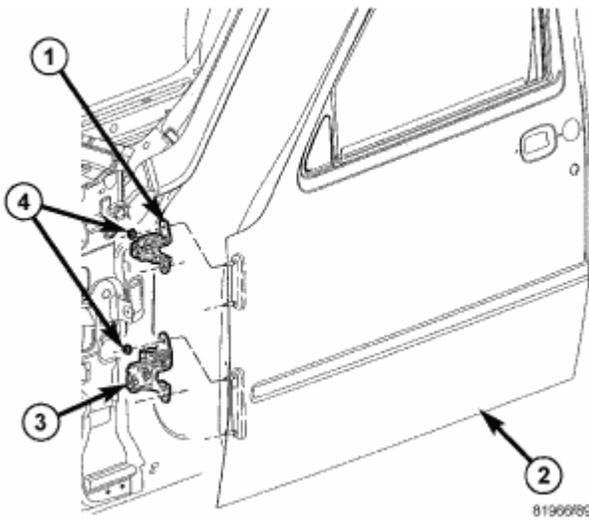


Fig. 91: Upper/Lower Hinges, Door & Nuts
Courtesy of CHRYSLER LLC

1. Remove the front door. See **REMOVAL**.

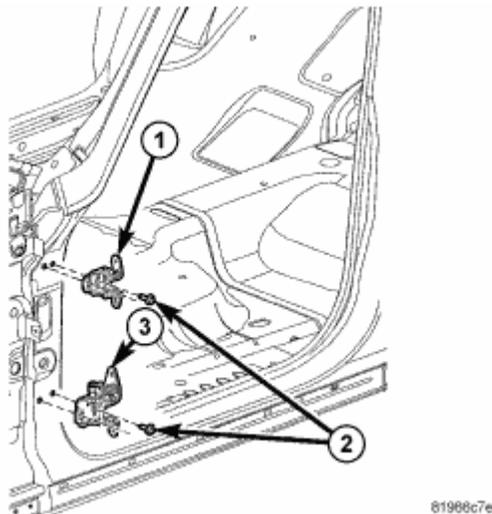


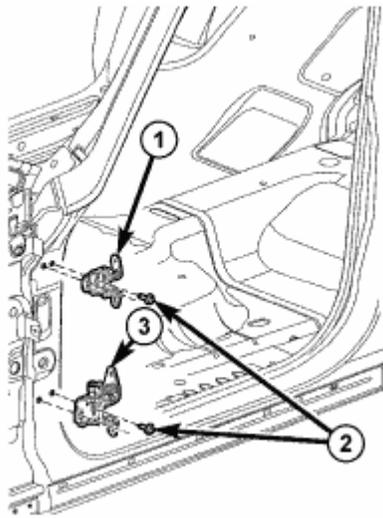
Fig. 92: Removing/Installing Front Door Hinge
Courtesy of CHRYSLER LLC

NOTE: Use a grease pencil or equivalent, mark the location of the upper (1) and lower (3) hinge on the body of the lower A-pillar for alignment during installation.

2. Remove the four bolts (2) that secure the upper door hinge (1) and lower door hinge (3) to the body of the lower A-pillar and remove the hinges.

INSTALLATION

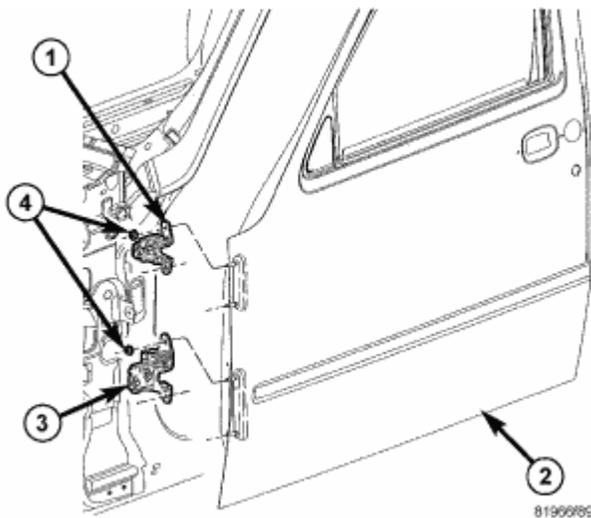
HINGE - FRONT DOOR



61986c7e

Fig. 93: Removing/Installing Front Door Hinge
Courtesy of CHRYSLER LLC

1. Install the upper (1) and lower (3) hinges to the B-pillar and loosely install the bolts.
2. Align the hinges on the A-pillar using the reference marks made during the removal procedure and tighten the bolts to 26 N.m (19 ft. lbs.).



8196989

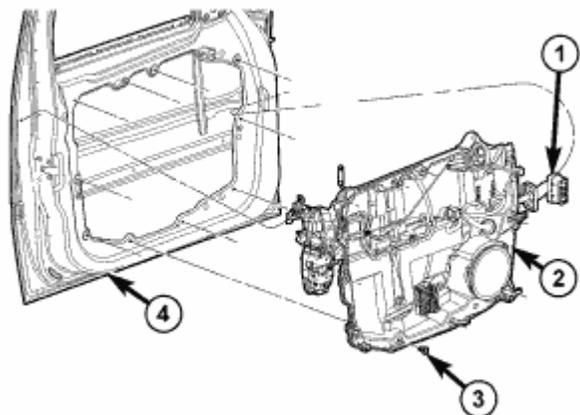
Fig. 94: Upper/Lower Hinges, Door & Nuts
Courtesy of CHRYSLER LLC

3. Install the front door. See **INSTALLATION**.

LATCH - FRONT DOOR

REMOVAL

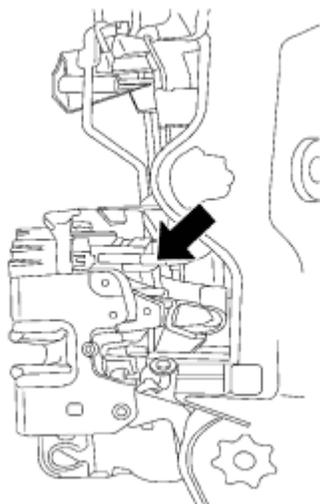
LATCH - FRONT DOOR



819856ca

Fig. 95: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

1. Remove the carrier plate. See **REMOVAL**.



8198e020

Fig. 96: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

2. Disconnect the latch electrical connector.

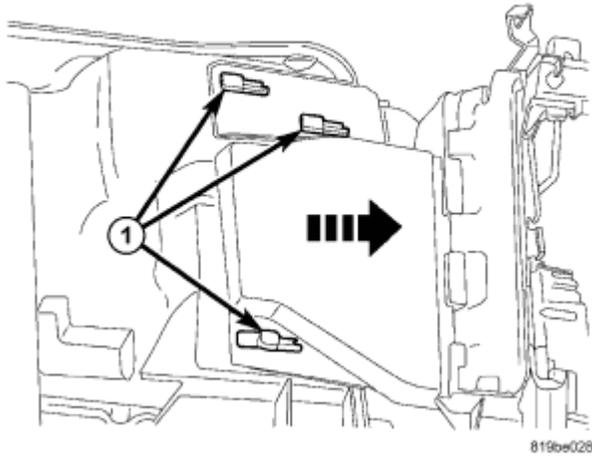


Fig. 97: Carrier Plate Slots
Courtesy of CHRYSLER LLC

3. Turn the carrier plate over and slide the latch bracket assembly to remove from carrier.

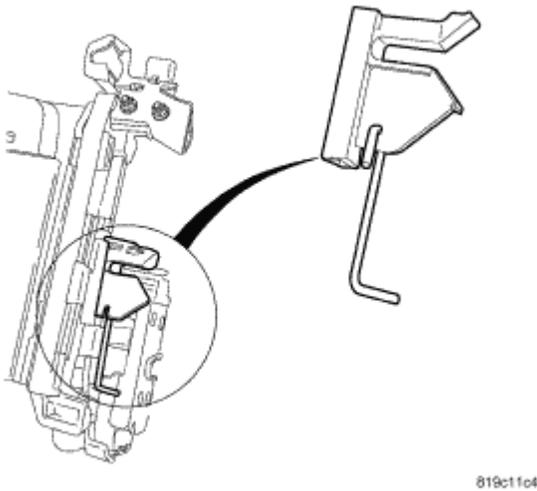


Fig. 98: Removing/Installing Slide Fork
Courtesy of CHRYSLER LLC

4. Remove the slide fork from the latch bracket.

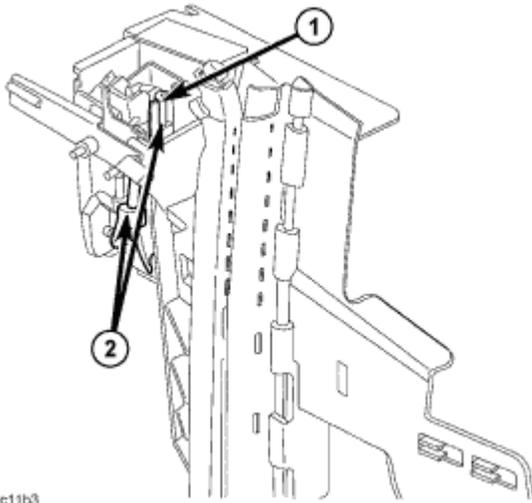


Fig. 99: Release Rod & Swing Clips
Courtesy of CHRYSLER LLC

NOTE: All the lock rods are color coded to help identify the location for the particular lock rod.

5. Remove the release rod (1) by disengaging the two swing clips (2).

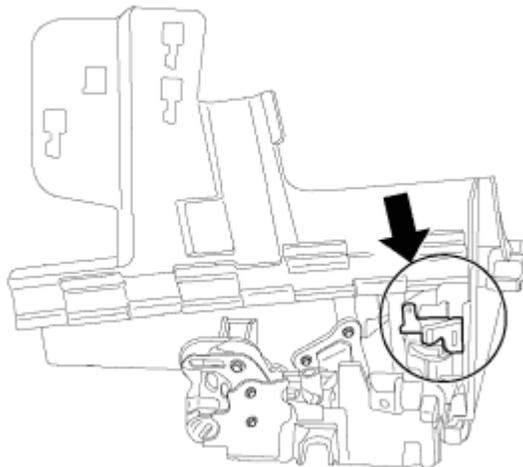
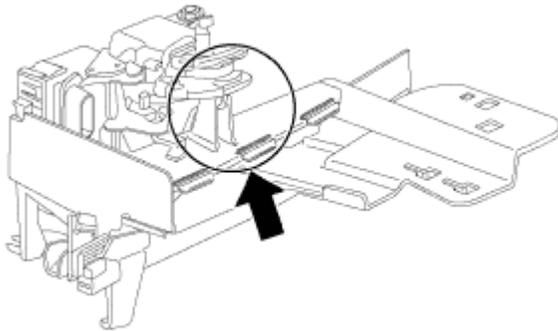


Fig. 100: Removing/Installing First Latch Attachment Point
Courtesy of CHRYSLER LLC

NOTE: The latch has three attachment points to the latch bracket.

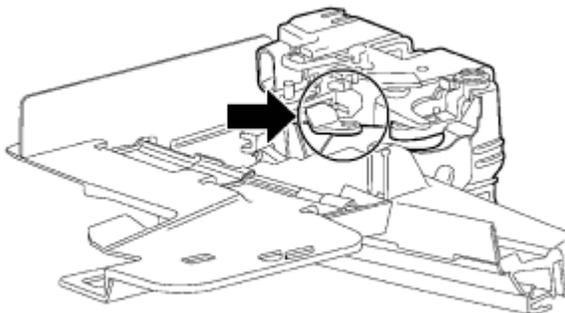
6. Remove the first latch attachment point from the latch bracket.



819c1148

Fig. 101: Removing/Installing Second Latch Attachment Point
Courtesy of CHRYSLER LLC

7. Remove the second latch attachment point from the latch bracket.



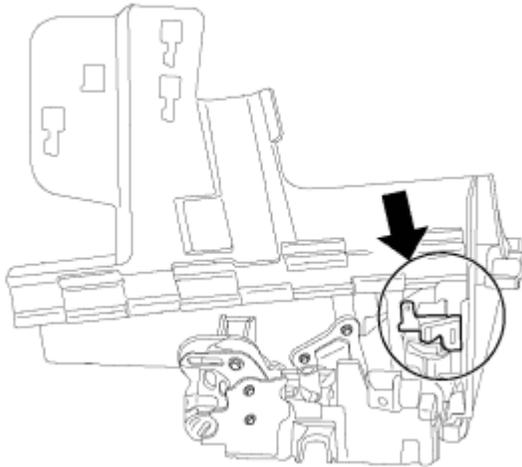
819c118e

Fig. 102: Removing/Installing Third Latch Attachment Point
Courtesy of CHRYSLER LLC

8. Remove the third latch attachment point from the latch bracket and remove the latch from the latch bracket.

INSTALLATION

LATCH - FRONT DOOR

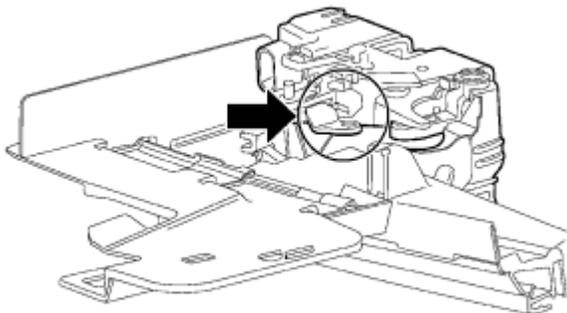


819c1137

Fig. 103: Removing/Installing First Latch Attachment Point
Courtesy of CHRYSLER LLC

NOTE: The latch has three attachment points to the latch bracket and need to be attached in the following order:

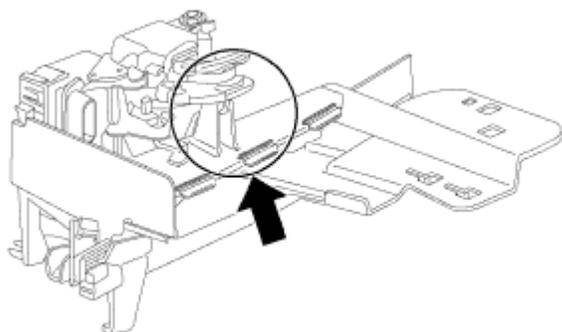
1. Install the first latch attachment point to the latch bracket.



819c118e

Fig. 104: Removing/Installing Third Latch Attachment Point
Courtesy of CHRYSLER LLC

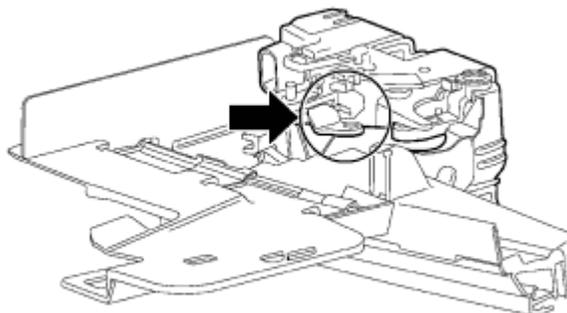
2. It is necessary to align the third attachment point prior to attaching the second point, but do not attach at this time.



819c1148

Fig. 105: Removing/Installing Second Latch Attachment Point
Courtesy of CHRYSLER LLC

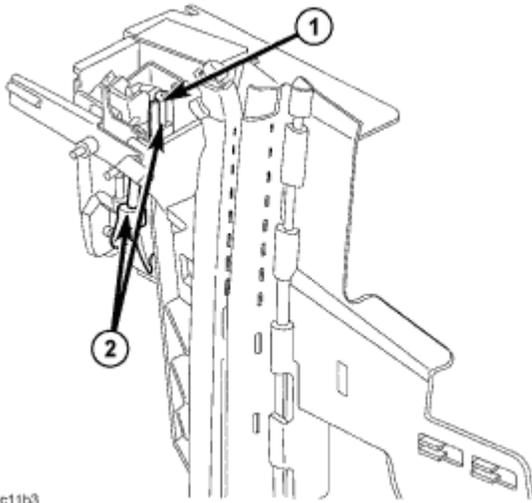
3. Install the second latch attachment point to the latch bracket.



819c118e

Fig. 106: Removing/Installing Third Latch Attachment Point
Courtesy of CHRYSLER LLC

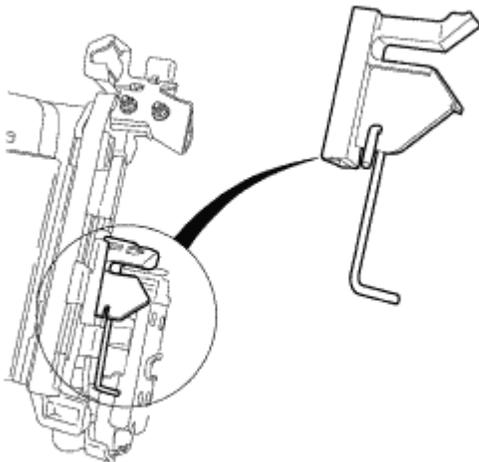
4. Install the third latch attachment point to the latch bracket.



819c11b3

Fig. 107: Release Rod & Swing Clips
Courtesy of CHRYSLER LLC

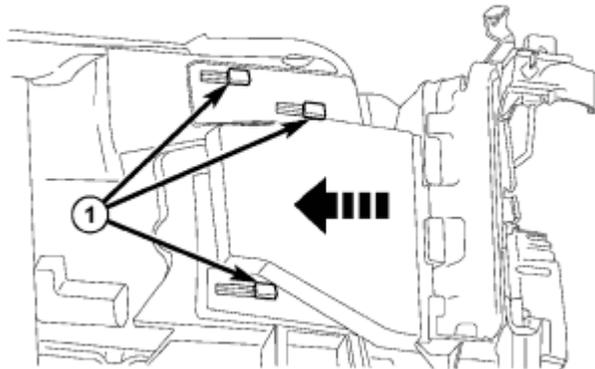
5. Install the release rod (1) then engage the two swing clips (2).



819c11c4

Fig. 108: Removing/Installing Slide Fork
Courtesy of CHRYSLER LLC

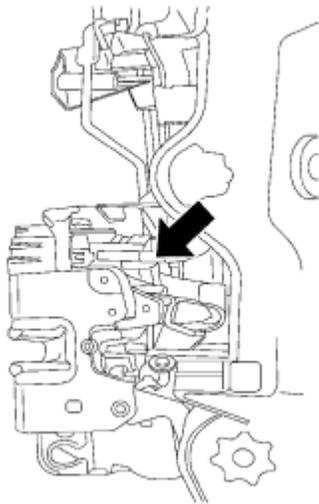
6. Install the slide fork to the latch bracket.



819be0ef

Fig. 109: Identifying Carrier Plate Slots
Courtesy of CHRYSLER LLC

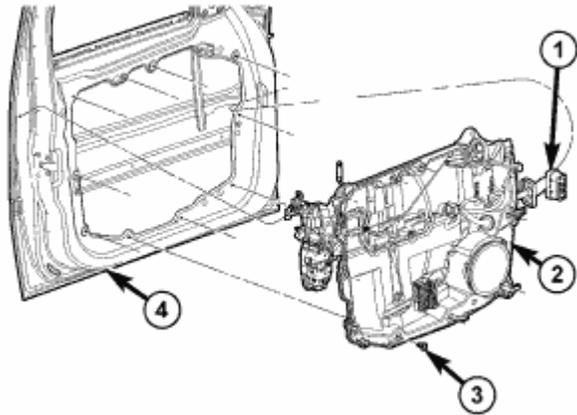
7. Install the latch bracket assembly to the carrier plate slots (1) then slide the latch bracket until fully seated.



819be020

Fig. 110: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

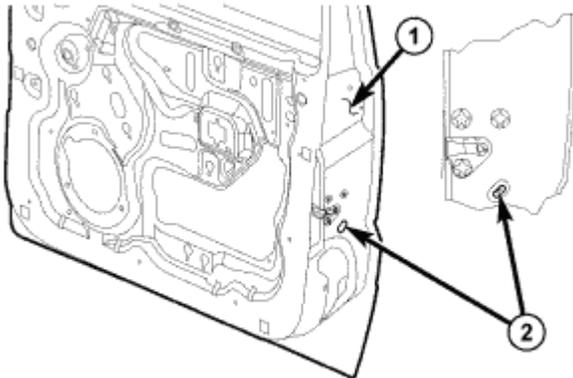
8. Connect the latch electrical connector.



819856ca

Fig. 111: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

9. Install the carrier plate. See **INSTALLATION**.



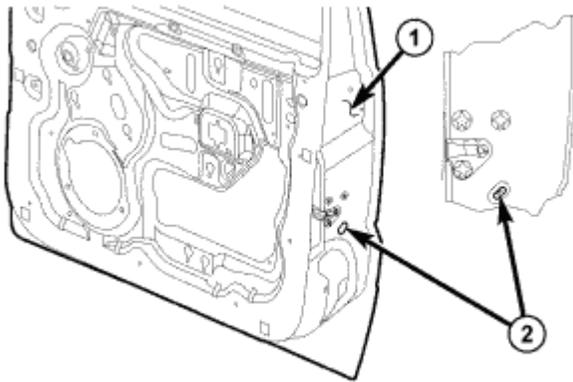
819c4912

Fig. 112: Adjusting Latch
Courtesy of CHRYSLER LLC

10. Adjust the latch as needed. See **ADJUSTMENTS**.

ADJUSTMENTS

LATCH - FRONT DOOR



819b4912

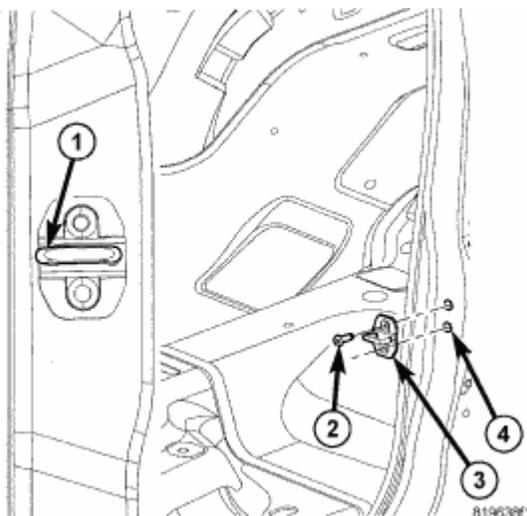
Fig. 113: Adjusting Latch
Courtesy of CHRYSLER LLC

1. Locate the access hole and remove tape covering adjustment hole.
2. Insert a 5/32" hex-wrench through hole and into adjustment screw (2). Loosen screw.
3. Operate outside handle several times to release any restriction because of mis-alignment.
4. Tighten adjustment screw to 4 N.m (35 in. lbs.).
5. Test handle for proper operation.

STRIKER - FRONT DOOR LATCH

REMOVAL

STRIKER - FRONT DOOR LATCH



819b38f1

Fig. 114: Striker Loop, Bolts, Striker & B-Pillar
Courtesy of CHRYSLER LLC

1. Remove the bolts (2) from the striker latch (3).
2. Remove the latch striker (3) from the B-pillar (4).

INSTALLATION

STRIKER - FRONT DOOR LATCH

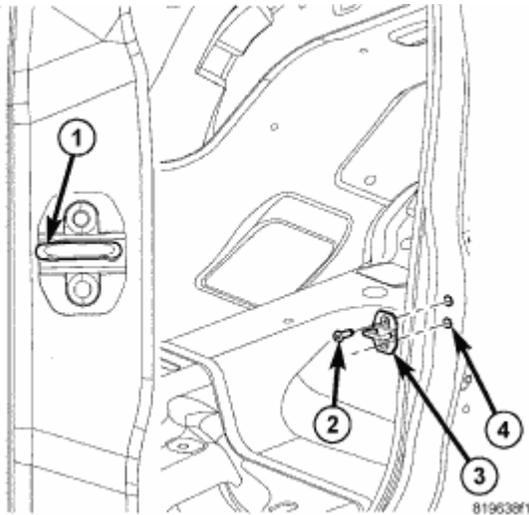


Fig. 115: Striker Loop, Bolts, Striker & B-Pillar

Courtesy of CHRYSLER LLC

NOTE: The striker needs to be properly orientated to the B-pillar. The striker loop (1) must be installed to the inboard side of the B-pillar.

1. Install the striker (3) to the B-pillar (4).
2. Install the bolts (2) and tighten to 26 N.m (19 ft. lbs.).
3. Adjust the door as necessary. See ADJUSTMENTS, and for fit SPECIFICATIONS.

CYLINDER - FRONT DOOR LOCK

REMOVAL

CYLINDER - FRONT DOOR LOCK

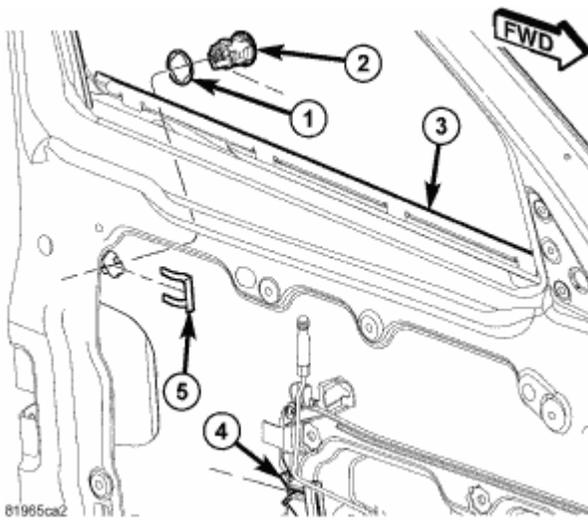


Fig. 116: Gasket, Door Lock Cylinder, Door, Carrier Plate & Door Lock Cylinder Retainer
 Courtesy of CHRYSLER LLC

1. Remove carrier plate from door, see **REMOVAL**.
2. Remove door lock cylinder retainer (5) from door lock cylinder (2).
3. Remove door lock cylinder (2) and gasket (1) from door (3).

INSTALLATION

CYLINDER - FRONT DOOR LOCK

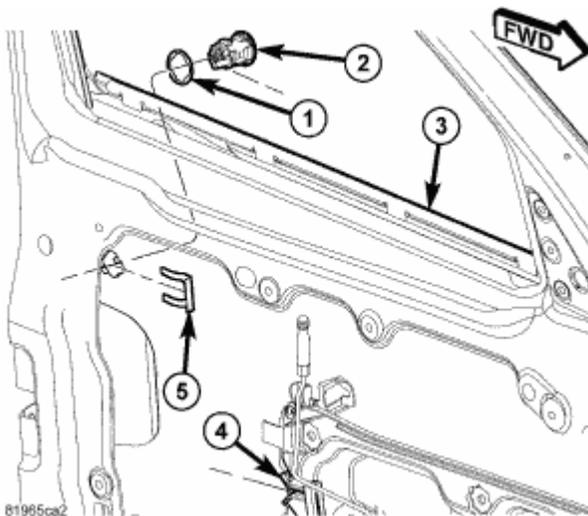


Fig. 117: Gasket, Door Lock Cylinder, Door, Carrier Plate & Door Lock Cylinder Retainer
 Courtesy of CHRYSLER LLC

NOTE: The lever on the key cylinder needs to point forward.

1. Install lock cylinder (2) and gasket (1) to door (3).

2. Install lock cylinder retainer (5) to door lock cylinder (2).

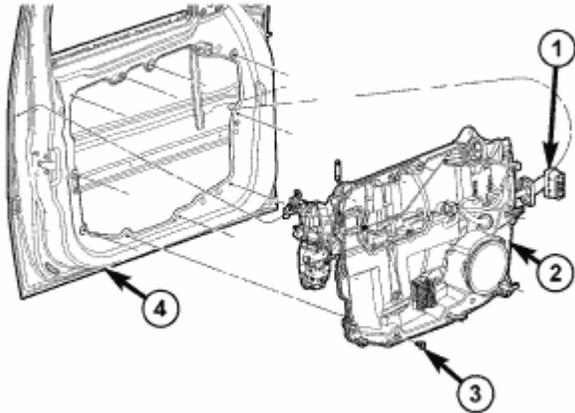
NOTE: Make sure the door lock cylinder (2) is engaged to the carrier plate (4).

3. Install the carrier plate to the door, see INSTALLATION.

RUN CHANNEL - FRONT DOOR GLASS

REMOVAL

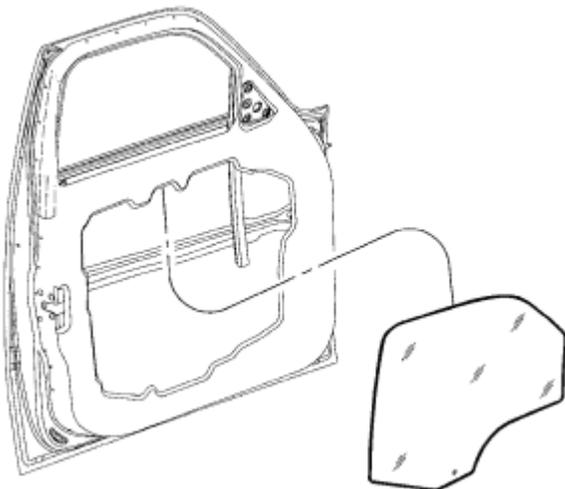
RUN CHANNEL - FRONT DOOR GLASS



819856ca

Fig. 118: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

1. Remove the door carrier plate from the door, see REMOVAL.

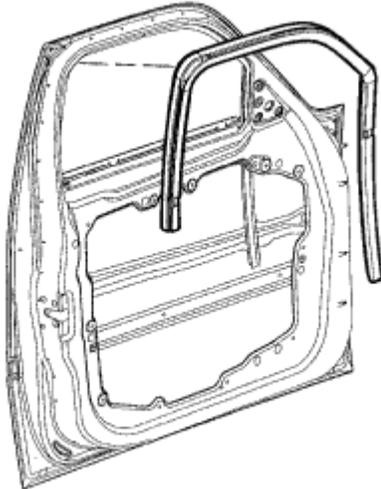


8198ba25

Fig. 119: Removing/Installing Front Door Glass

Courtesy of CHRYSLER LLC

2. Remove the front door glass from the window opening in the door. See **REMOVAL**.



81906572

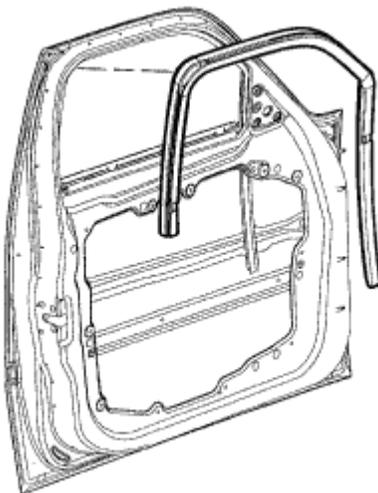
Fig. 120: Removing/Installing Run Channel

Courtesy of CHRYSLER LLC

3. Remove the run channel from the window opening in the door.

INSTALLATION

RUN CHANNEL - FRONT DOOR GLASS



81906572

Fig. 121: Removing/Installing Run Channel

Courtesy of CHRYSLER LLC

1. Install the run channel to the window opening in the door.

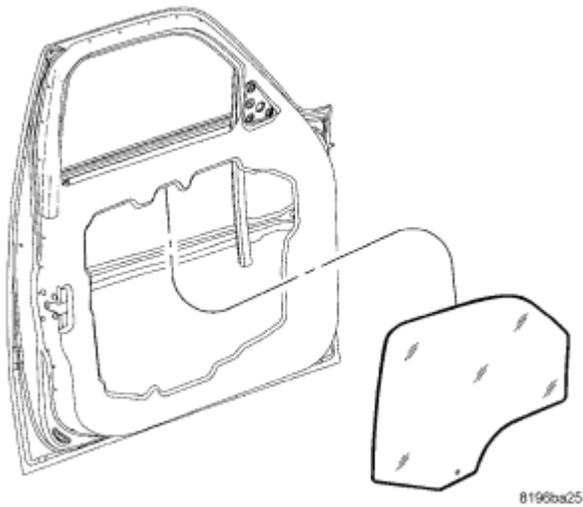


Fig. 122: Removing/Installing Front Door Glass
Courtesy of CHRYSLER LLC

2. Install the front door glass to the window opening in the door, see INSTALLATION.

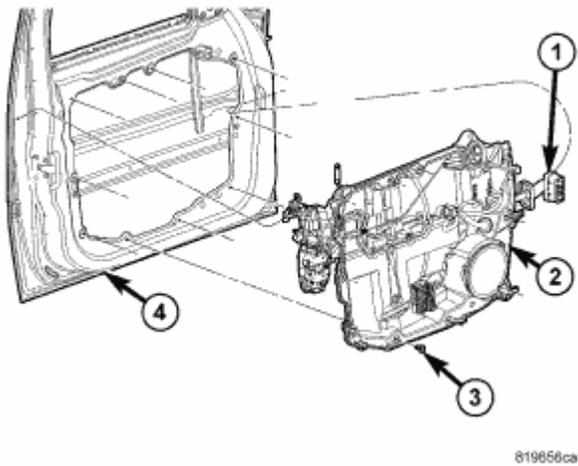


Fig. 123: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

3. Install the carrier plate to the door, see INSTALLATION.
4. Cycle the window several times to make sure the window doesn't bind on the outer weather-strip or run channel.

PANEL - DOOR TRIM FRONT

REMOVAL

PANEL - DOOR TRIM FRONT

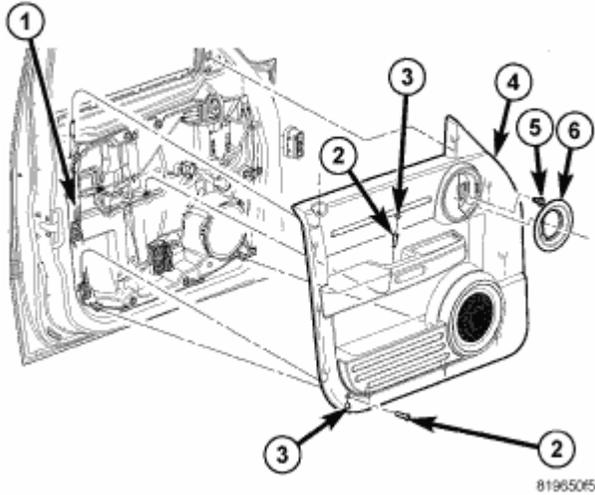


Fig. 124: Removing/Installing Trim Panel
 Courtesy of CHRYSLER LLC

1. Remove the door handle trim bezel (6).
2. Remove the fastener (5) from the handle area of the front door trim (4).
3. Use a very thin pry tool to remove the cap screw covers (3) from the front door trim (4).
4. Remove the screws (2) from the front door trim (4).
5. Remove the power window switch and disconnect the electrical connector.
6. Disengage the trim panel from the four way locator at the handle area of the trim panel, then carefully remove the door trim panel (4) from the door (1) by lifting upward until removed from the door lock and the mounting attachments on the carrier plate.

INSTALLATION

PANEL - DOOR TRIM FRONT

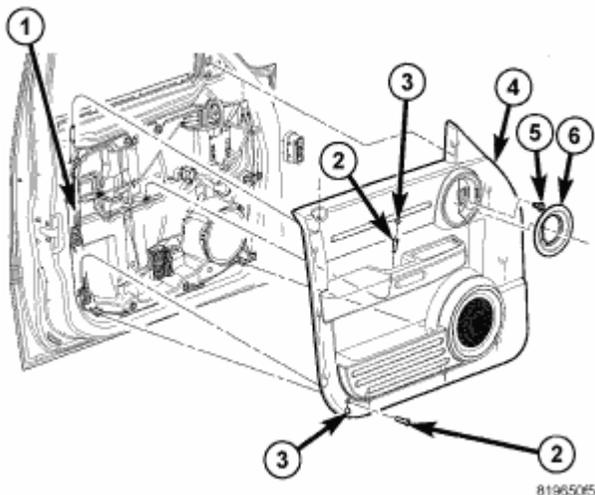


Fig. 125: Removing/Installing Trim Panel

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

Courtesy of CHRYSLER LLC

CAUTION: Pay close attention to the plastic hook attachment points on the inside of the door trim panel. Make sure that every hook is correctly positioned to the door when installing the trim panel. Damage to the trim panel will occur if the hooks in the door panel are not properly positioned to the door during installation.

1. Connect the electrical connectors and install the power window switch.
2. Carefully install the door trim panel (4) to the door (1) by lifting upward and over the door lock into the trim panel then attach the trim panel to the carrier plate attachment points.
3. Install the screws (2) and the cap screw covers (3) to the front door trim (4).
4. Install the fastener (5) at the handle area of the front door trim (4) and tighten screw to 5.5 N.m (50 in. lbs.).
5. Install the door handle trim bezel (6).

REGULATOR - POWER WINDOW

REMOVAL

REGULATOR - POWER WINDOW

NOTE: The window regulator is part of the carrier plate and is not serviceable. Replace the carrier plate if the regulator fails.

1. Replace the carrier plate, see REMOVAL.

INSTALLATION

REGULATOR - POWER WINDOW

NOTE: The window regulator is part of the carrier plate and is not serviceable. Replace the carrier plate if the regulator fails.

1. Install the carrier plate, see INSTALLATION.

DOORS - REAR

CARRIER PLATE

REMOVAL

CARRIER PLATE - REAR DOOR

CAUTION: Do not attempt to remove the trim panel the conventional way. This door

panel has hooks holding it to the door rather than push pins. The door module must be removed as an assembly. Carefully follow these instructions in order to prevent unnecessary damage to the trim panel.

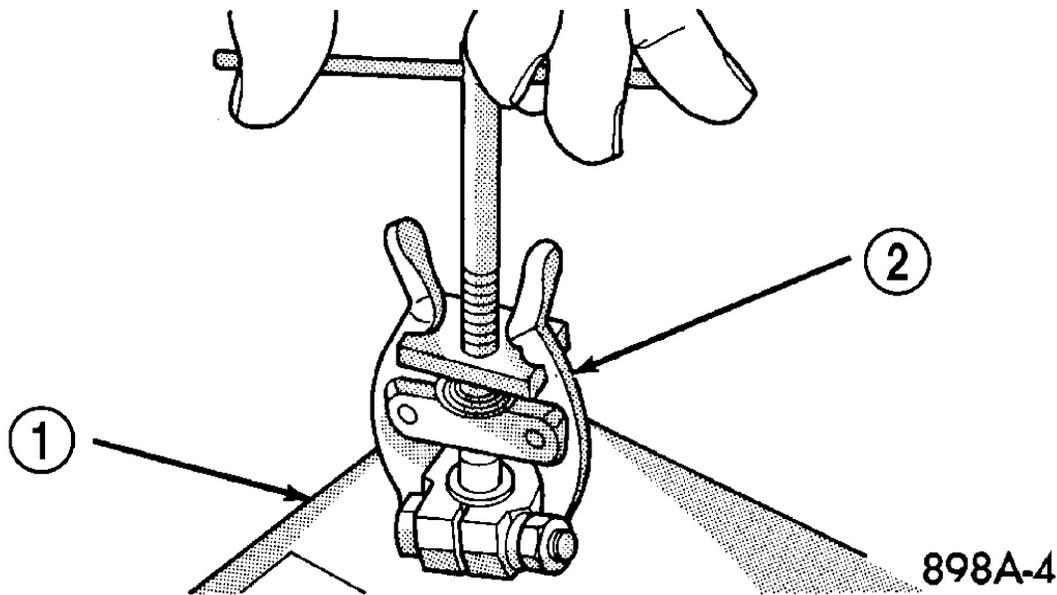


Fig. 126: Using Battery Terminal Removal Tool To Disconnect Negative Battery Cable From Battery
Courtesy of CHRYSLER LLC

1. Loosen the battery terminal nut and use a battery terminal removal tool (2) to disconnect the negative battery cable from the battery (1).

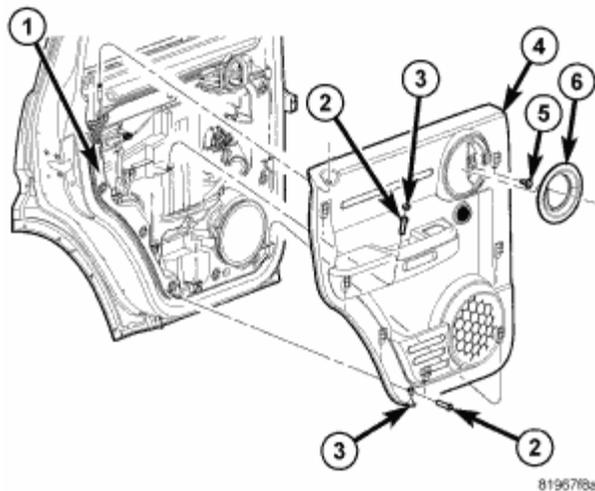


Fig. 127: Removing/Installing Rear Door Trim Panel

Courtesy of CHRYSLER LLC

2. Remove the trim panel from the door. See REMOVAL.

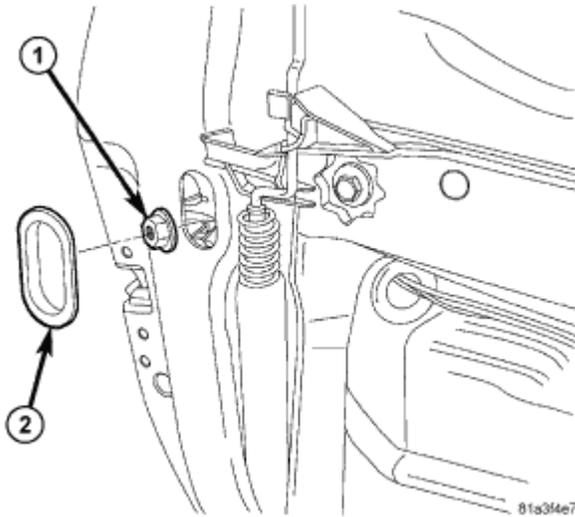


Fig. 128: Removing/Installing Door Plug & Rear Exterior Handle Nut
Courtesy of CHRYSLER LLC

3. Remove the door plug (2).
4. Remove rear exterior handle nut (1).

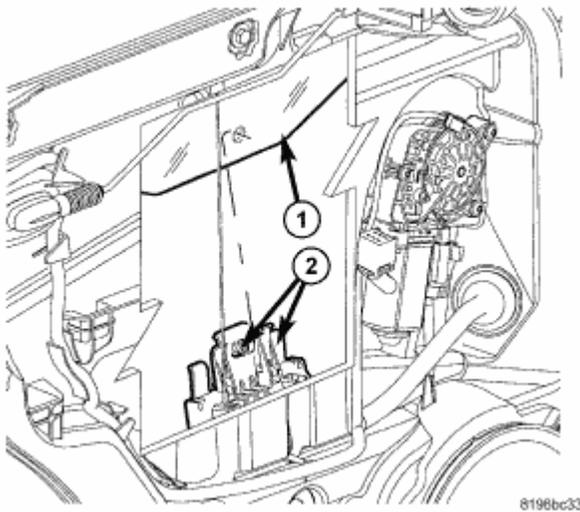
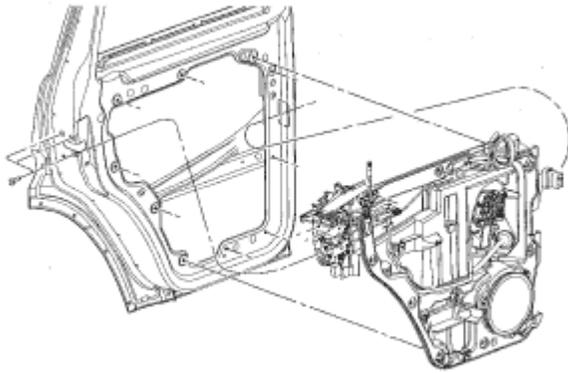


Fig. 129: Door Glass & Window Regulator
Courtesy of CHRYSLER LLC

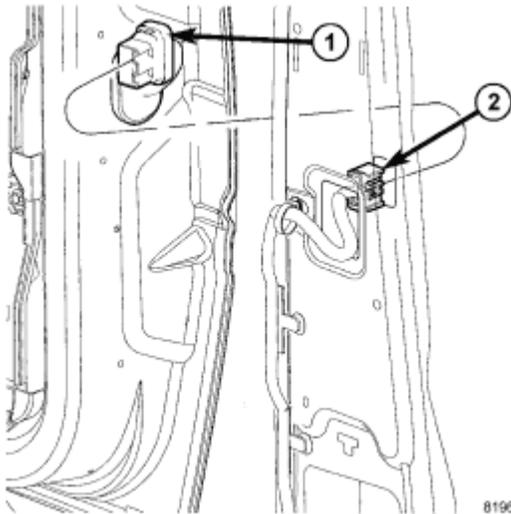
5. Access the window regulator through the hole in the carrier plate. Disconnect the window regulator (2) from the door glass (1) and support the glass.



81908a6a

Fig. 130: Removing/Installing Rear Door Latch Screws
Courtesy of CHRYSLER LLC

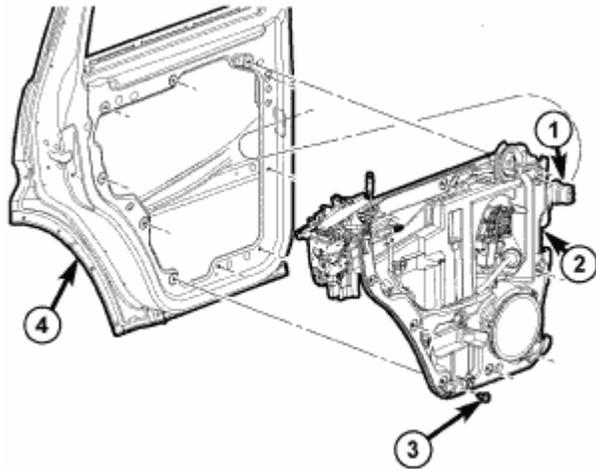
6. Remove the three screws securing the door latch to the door shut face.



81967443

Fig. 131: Disconnecting/Connecting Door Harness Electrical Connector From/To Body Connector
Courtesy of CHRYSLER LLC

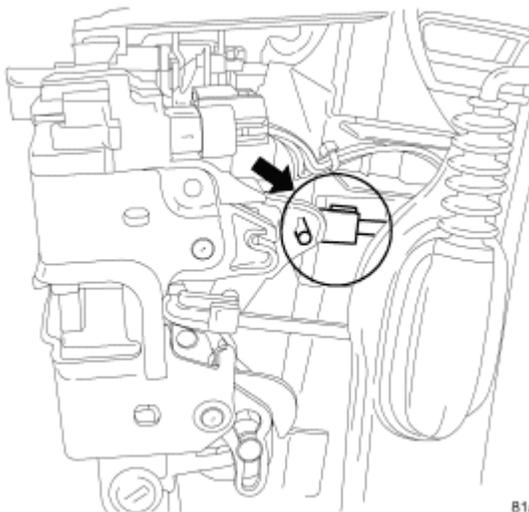
7. Disconnect the door harness electrical connector (1) from the body connector (2) at the B-pillar.



81968a22

Fig. 132: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

8. Remove the 9 screws (3) from the carrier plate (2).
9. Remove the electrical connector (1) from the door (4).
10. Remove the carrier plate (2) from the door (4).



81a3f90b

Fig. 133: Disconnecting/Installing Inside Lock Rod
Courtesy of CHRYSLER LLC

NOTE: The window regulator is not serviceable. The new carrier plate will come equipped with the regulator assembly installed.

NOTE: All the lock rods are color coded to help identify the location for the particular lock rod.

11. Disconnect the inside lock rod from the latch.

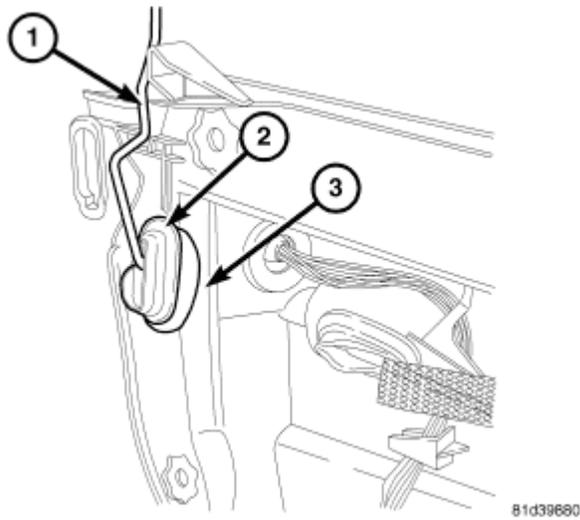


Fig. 134: Inside Lock Rod, Grommet & Carrier Plate
Courtesy of CHRYSLER LLC

12. Disengage the grommet (2) and remove the inside lock rod (1) from carrier plate (3).

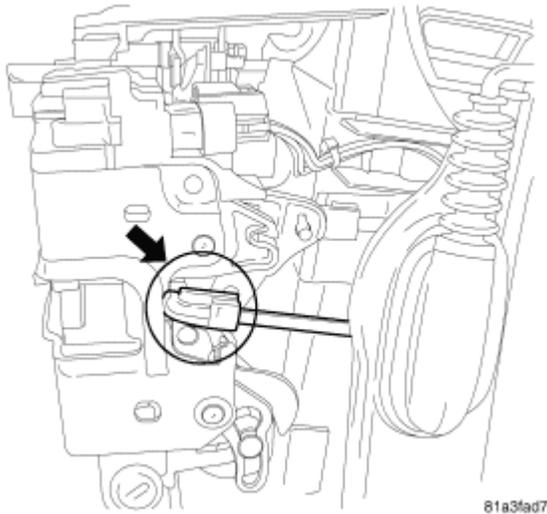


Fig. 135: Disconnecting/Connecting Interior Handle Lock Rod
Courtesy of CHRYSLER LLC

13. Disconnect the interior handle lock rod from the latch.

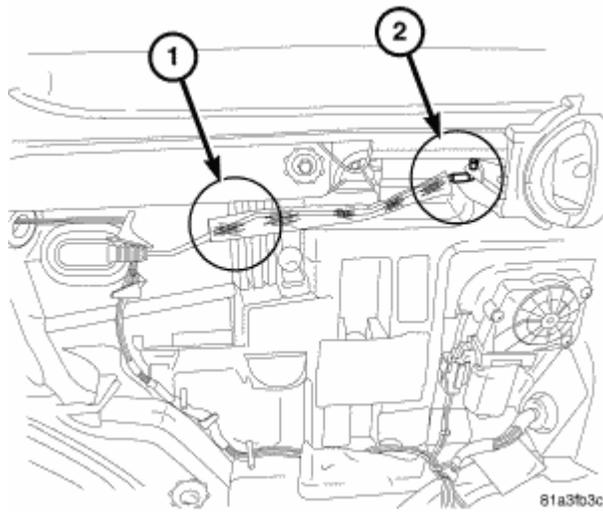


Fig. 136: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

14. Remove the interior lock rod from the interior handle.

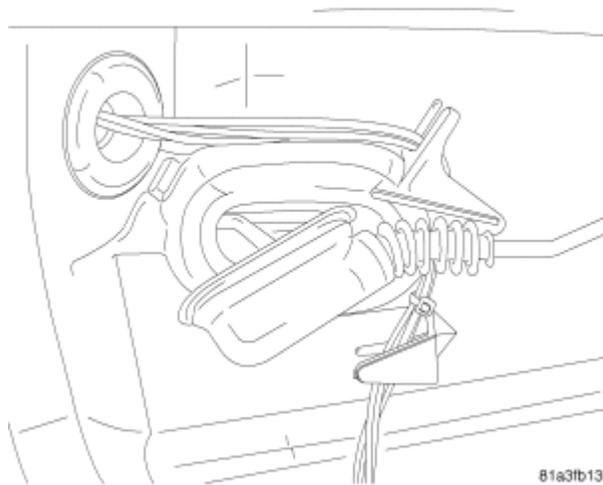


Fig. 137: Removing/Installing Interior Handle Lock Rod And Grommet
Courtesy of CHRYSLER LLC

15. Remove the interior handle lock rod and grommet from the carrier.

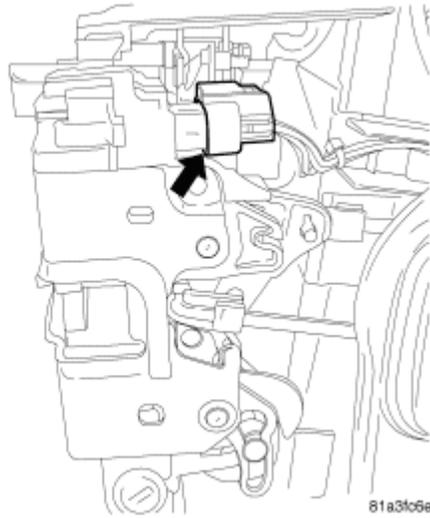


Fig. 138: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

16. Disconnect the latch electrical connector.

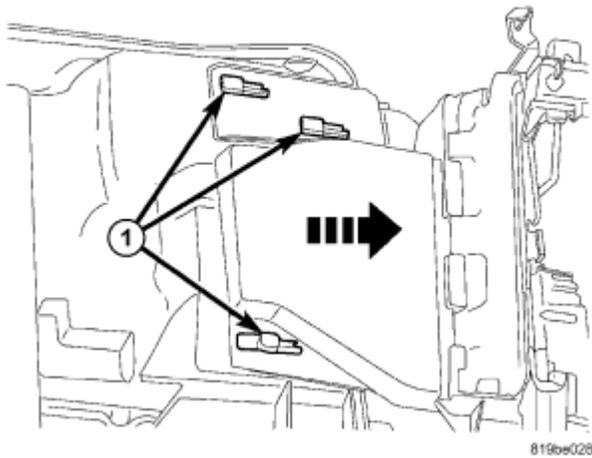


Fig. 139: Carrier Plate Slots
Courtesy of CHRYSLER LLC

17. Turn the carrier plate over and slide the latch bracket assembly to remove from the carrier plate slots (1).

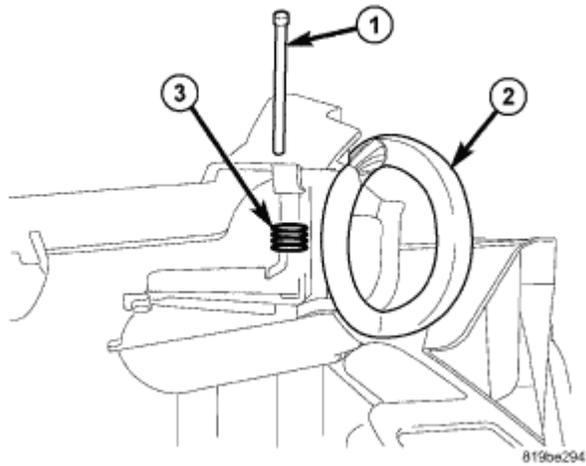


Fig. 140: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

18. Remove the push pin (1) from the handle.
19. Remove the spring (3) and handle (2) from the carrier.

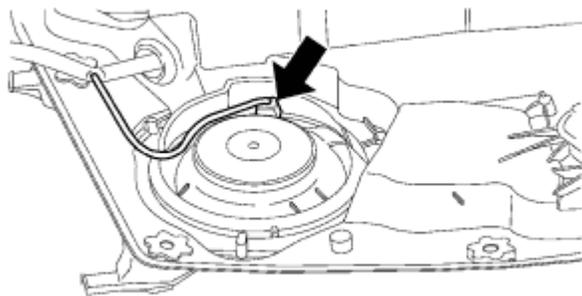
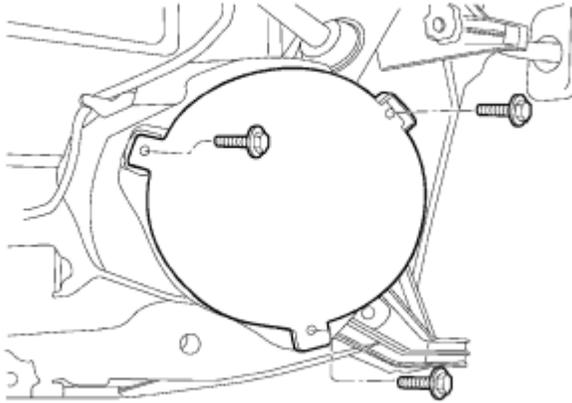


Fig. 141: Disconnecting/Connecting Speaker Electrical Connector
Courtesy of CHRYSLER LLC

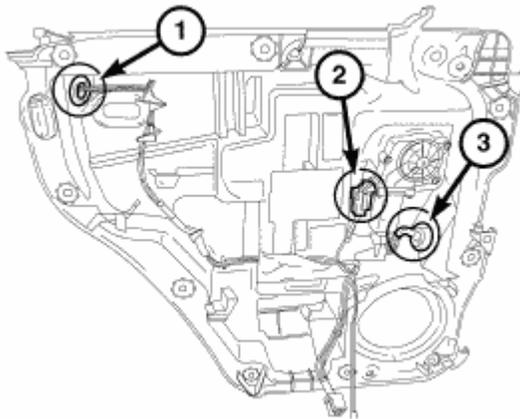
20. Disconnect the speaker electrical connector.



816be2d8

Fig. 142: Removing/Installing Speaker Bolts & Speaker
Courtesy of CHRYSLER LLC

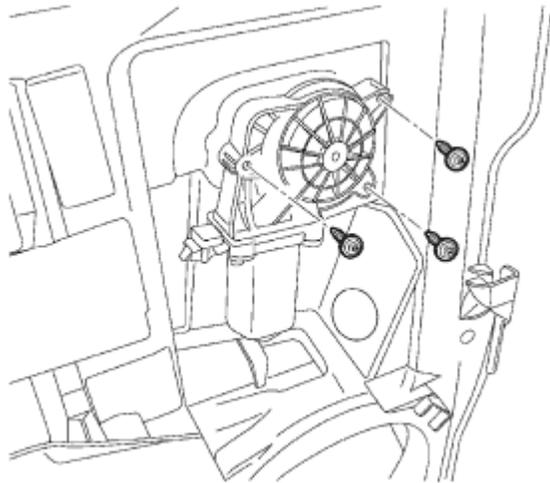
21. Remove the speaker bolts and speaker from the carrier.



81a31c6

Fig. 143: Carrier Plate Electrical Harnesses & Motor Connectors
Courtesy of CHRYSLER LLC

22. Remove the electrical harness (1) from the carrier plate.
23. Release harness from all the hooks in the carrier plate.
24. Disconnect the connector (2) from the motor.
25. Remove the electrical harness (3) from the carrier plate.
26. Remove the harness from the carrier plate.



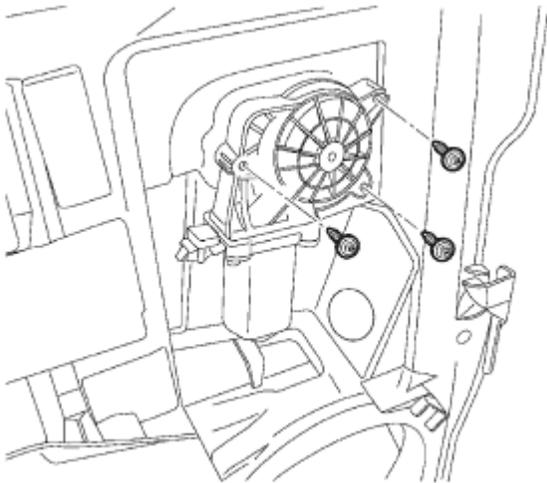
81a3d1e

Fig. 144: Removing/Installing Screws And Window Motor
Courtesy of CHRYSLER LLC

27. Remove the screws and window motor from the carrier plate.

INSTALLATION

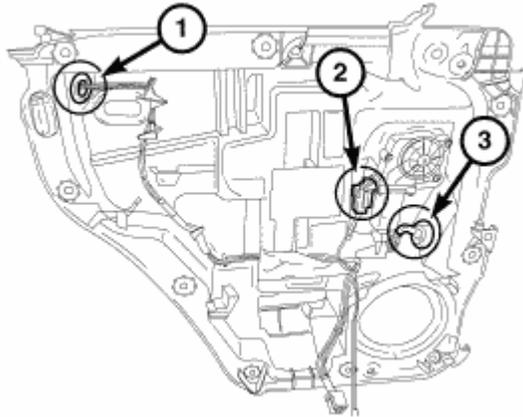
CARRIER PLATE - REAR DOOR



81a3d1e

Fig. 145: Removing/Installing Screws And Window Motor
Courtesy of CHRYSLER LLC

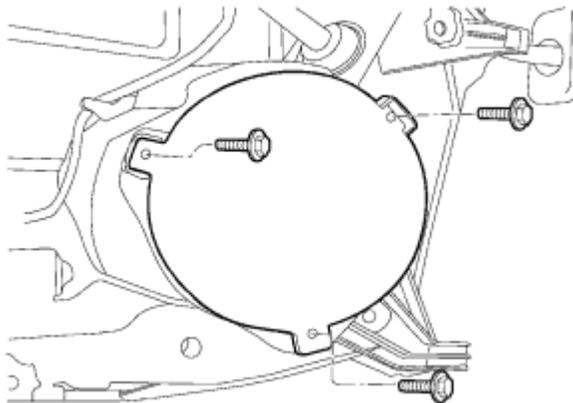
1. Install the motor and screws to the carrier plate and tighten to 3.5 N.m (31 in. lbs.).



81a31c6

Fig. 146: Carrier Plate Electrical Harnesses & Motor Connectors
Courtesy of CHRYSLER LLC

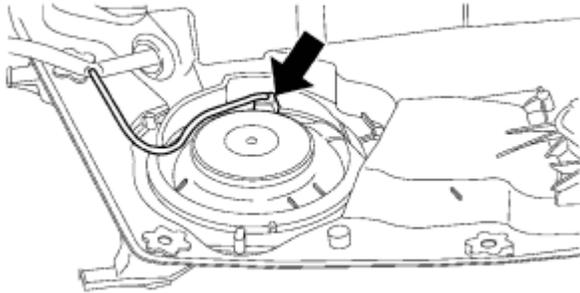
2. Install the harness to the carrier plate.
3. Install the electrical harness (3) and seat the rubber grommet into the carrier plate.
4. Connect the electrical connector (2) to the motor.
5. Route the harness through all of the hooks in the carrier plate.
6. Install the electrical harness (1) and seat the rubber grommet into the carrier plate.



816be2d8

Fig. 147: Removing/Installing Speaker Bolts & Speaker
Courtesy of CHRYSLER LLC

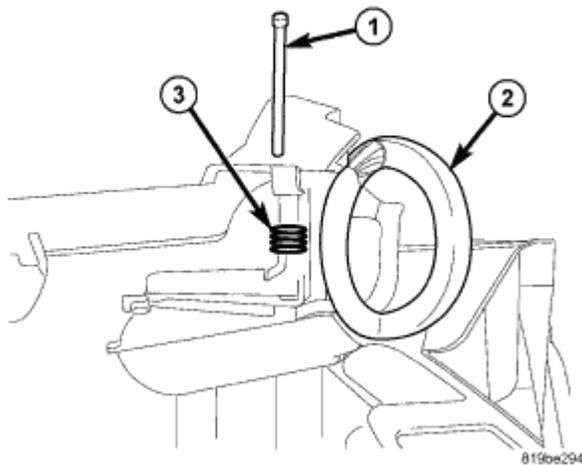
7. Install the speaker and bolts to the carrier and tighten to 1.5 N.m (13 in. lbs.).



819be2c2

Fig. 148: Disconnecting/Connecting Speaker Electrical Connector
Courtesy of CHRYSLER LLC

8. Connect the speaker electrical connector.
9. Install speaker wire to wire clip.

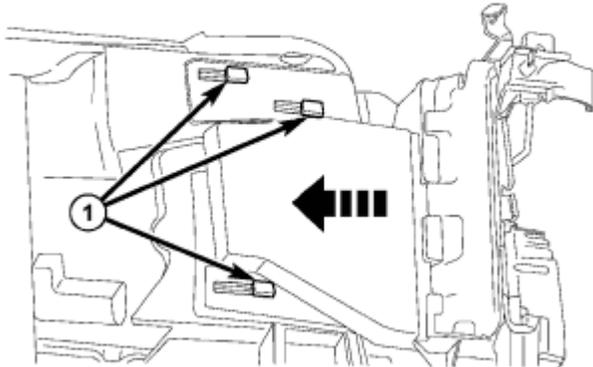


819be294

Fig. 149: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

10. Install the handle (2) and spring (3) to the carrier.
11. Install the push pin (1) into the carrier, spring and the handle.

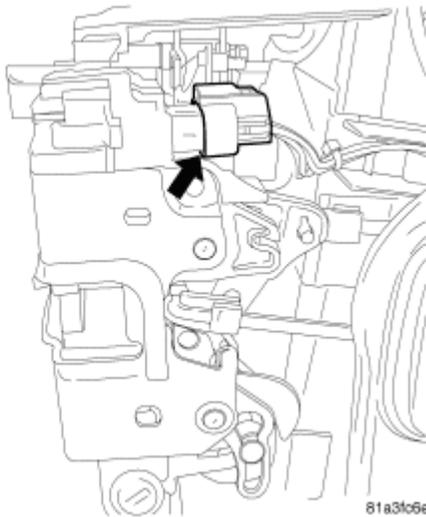
NOTE: Make sure that the push pin is seated flush with the carrier.



819be0ef

Fig. 150: Identifying Carrier Plate Slots
Courtesy of CHRYSLER LLC

12. Install the latch bracket assembly to the carrier plate slots (1) then slide the latch bracket until fully seated.



81a3f06e

Fig. 151: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

13. Connect the latch electrical connector.

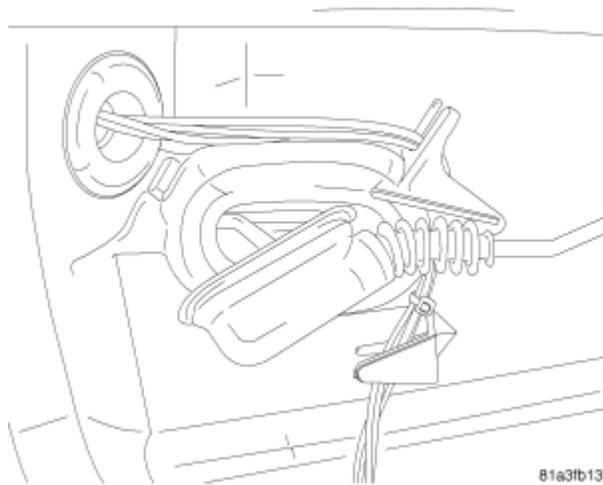


Fig. 152: Removing/Installing Interior Handle Lock Rod And Grommet
Courtesy of CHRYSLER LLC

14. Install the interior handle lock rod into the carrier and seat the grommet.

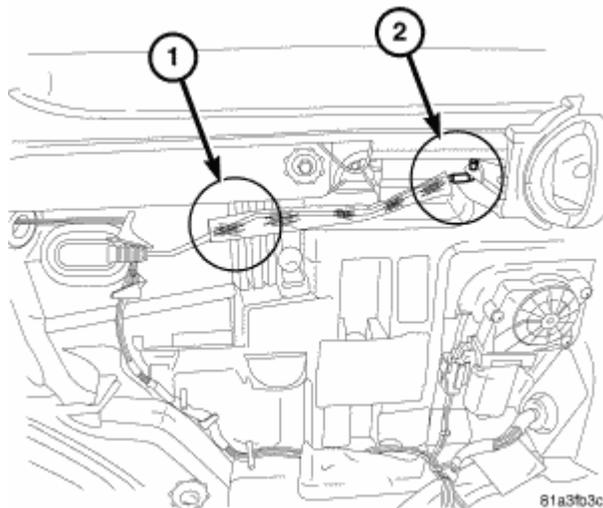


Fig. 153: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

NOTE: All the lock rods are color coded to help identify the location for the particular lock rod.

15. Install the interior lock rod to the interior handle (2). Make sure the lock rod is positioned properly to the carrier (1).

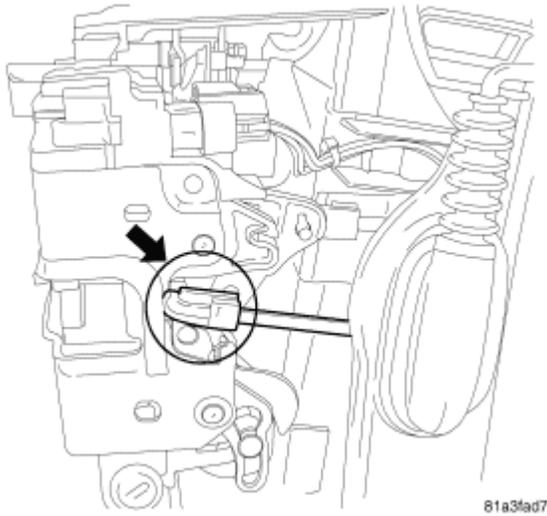


Fig. 154: Disconnecting/Connecting Interior Handle Lock Rod
Courtesy of CHRYSLER LLC

16. Connect the interior handle lock rod to the latch.

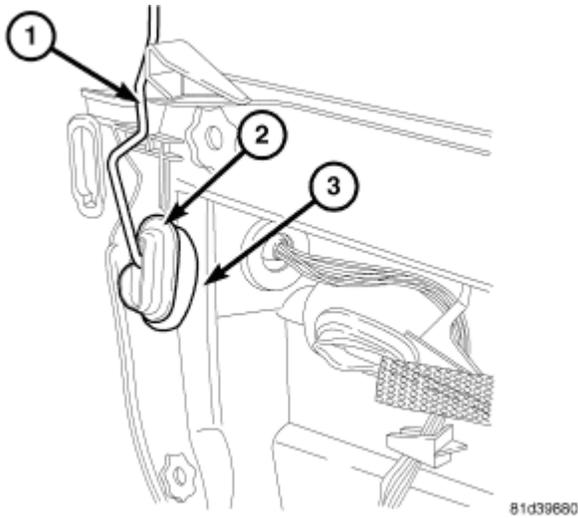


Fig. 155: Inside Lock Rod, Grommet & Carrier Plate
Courtesy of CHRYSLER LLC

17. Install the inside lock rod (1) to the carrier plate (3) and seat the grommet (2).

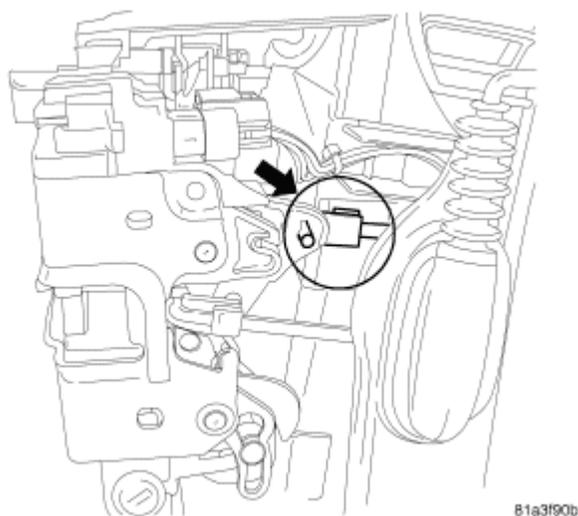


Fig. 156: Disconnecting/Installing Inside Lock Rod
Courtesy of CHRYSLER LLC

18. Connect the inside lock rod to the latch.

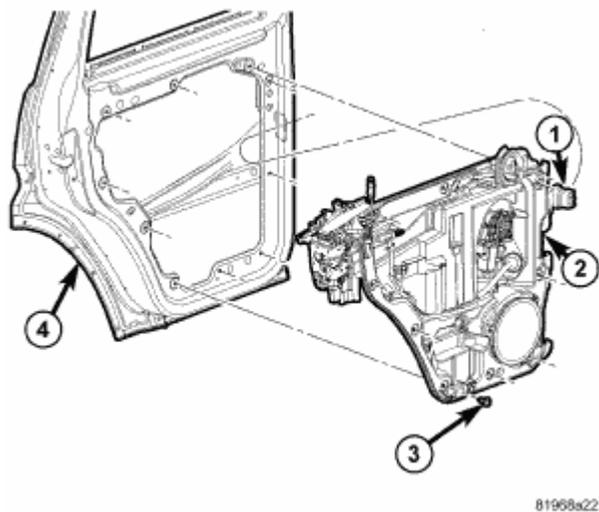
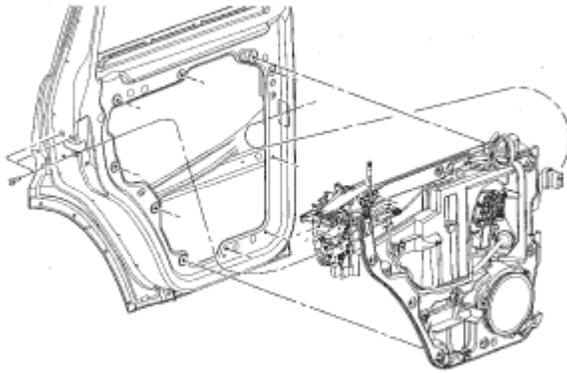


Fig. 157: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

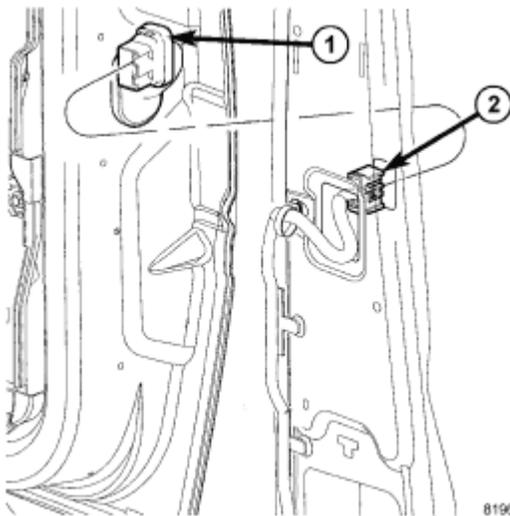
19. Install the carrier plate (2) to the door (4).
20. Install the electrical connector (1) to the door (4) and connect the electrical connector.



81908a6a

Fig. 158: Removing/Installing Rear Door Latch Screws
Courtesy of CHRYSLER LLC

21. Install the screws securing the door latch to the door shut face and tighten screws to 7 N.m (60 in. lbs.).
22. Install the 9 screws to the carrier plate and tighten screws to 5.5 N.m (50 in. lbs.).



81967443

Fig. 159: Disconnecting/Connecting Door Harness Electrical Connector From/To Body Connector
Courtesy of CHRYSLER LLC

23. Connect the door harness electrical connector (1) to the body connector (2) at the B-pillar.

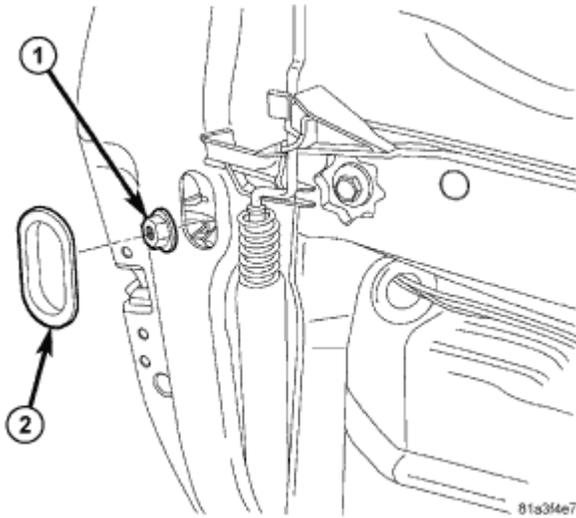


Fig. 160: Removing/Installing Door Plug & Rear Exterior Handle Nut
Courtesy of CHRYSLER LLC

24. Install the rear nut (1) to the exterior handle and tighten to 4.5 N.m (40 in. lbs.).
25. Install the door plug (2) to the door.

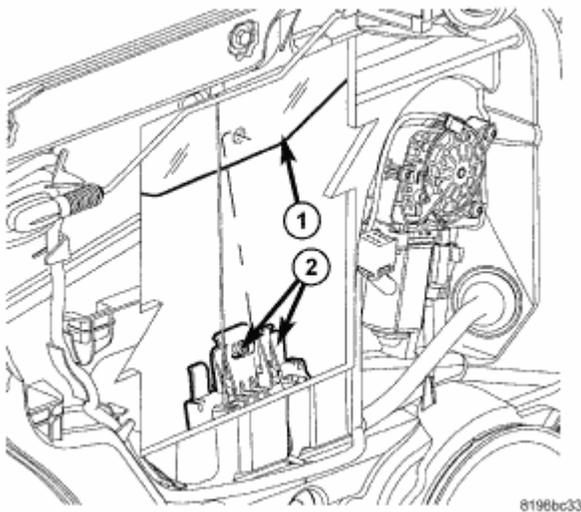


Fig. 161: Door Glass & Window Regulator
Courtesy of CHRYSLER LLC

NOTE: Place the glass in the full down position in order to access the window regulator.

26. Access the window regulator through the hole in the carrier plate. Connect the door glass (1) to the window regulator (2).
27. Apply the adhesive tape to the inspection hole of the carrier plate.

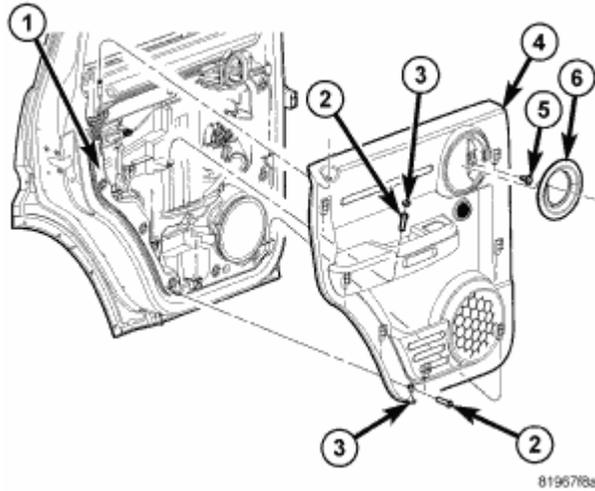


Fig. 162: Removing/Installing Rear Door Trim Panel
Courtesy of CHRYSLER LLC

28. Install the trim panel to the door. See INSTALLATION.
29. Connect the negative battery cable to the battery.

NOTE: Cycle the door lock, open with interior and exterior door handles and operate the power window to make sure everything is working properly and binding exists.

DOOR - REAR

REMOVAL

DOOR - REAR

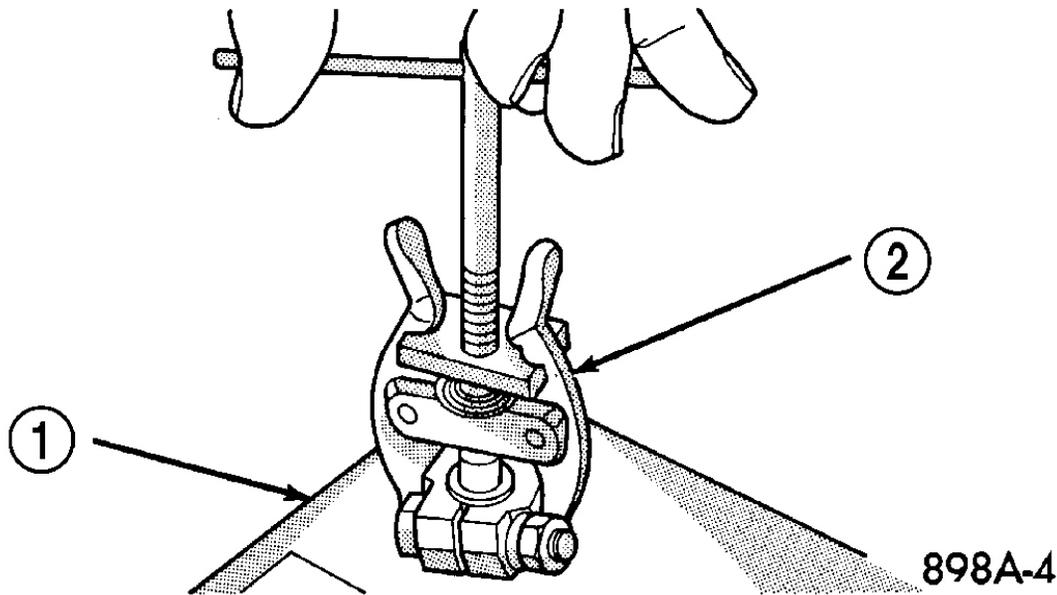


Fig. 163: Using Battery Terminal Removal Tool To Disconnect Negative Battery Cable From Battery
Courtesy of CHRYSLER LLC

1. Loosen the battery terminal nut and use a battery terminal removal tool (2) to disconnect the negative battery cable from the battery (1).

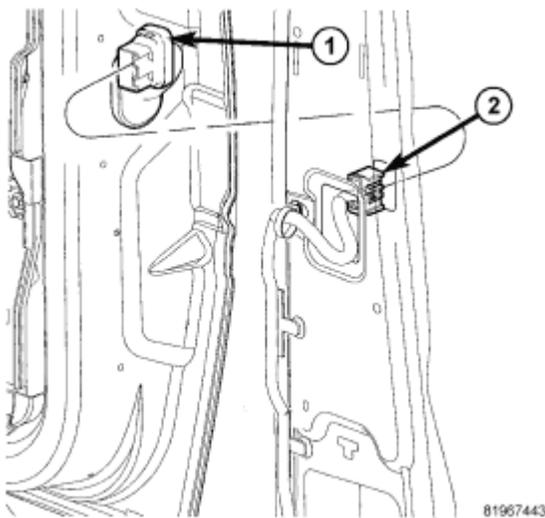
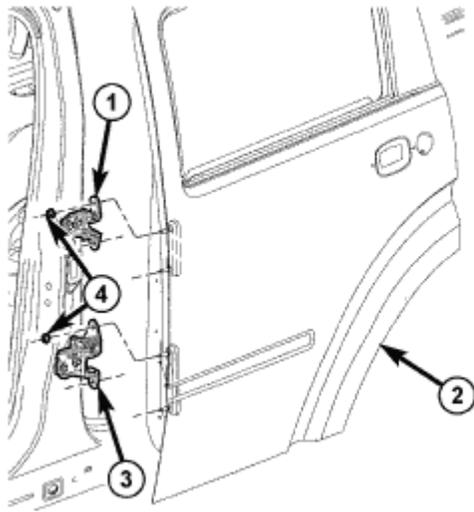


Fig. 164: Disconnecting/Connecting Door Harness Electrical Connector From/To Body Connector
Courtesy of CHRYSLER LLC

2. Disconnect the door harness electrical connector (1) from the body connector (2) at the B-pillar.



81967432

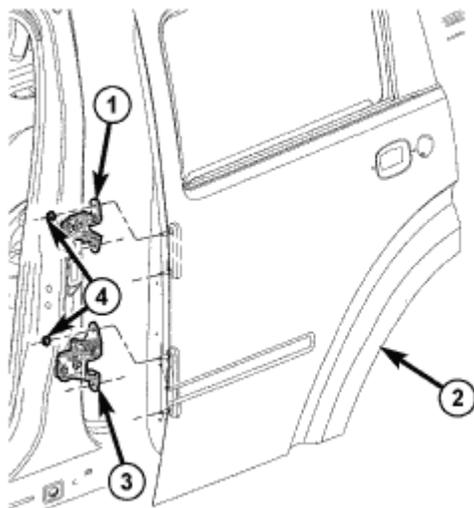
Fig. 165: Removing/Installing Upper/Lower Hinges, Door & Nuts
Courtesy of CHRYSLER LLC

NOTE: Use a grease pencil or equivalent, mark the location of the upper (1) and lower (3) hinges on the door (2) for alignment during installation.

3. Support the rear door with a suitable lifting device.
4. Remove the nuts (4) attaching the door (2) to the upper (1) and lower (3) hinges.
5. Carefully remove the door (2) from the vehicle.

INSTALLATION

DOOR - REAR



81967432

Fig. 166: Removing/Installing Upper/Lower Hinges, Door & Nuts
Courtesy of CHRYSLER LLC

1. Carefully position the door (2) to the upper (1) and lower (3) hinges using a suitable lifting device.
2. Loosely install the nuts (4) to the door studs and hinges at the B-pillar.
3. Align the door to the body using the reference marks made during the removal procedure.
4. Tighten the hinge to door nuts to 36.5 N.m (27 ft. lbs.).

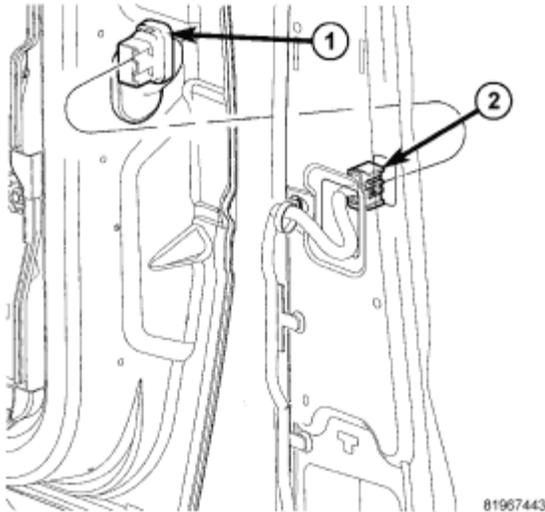


Fig. 167: Disconnecting/Connecting Door Harness Electrical Connector From/To Body Connector
 Courtesy of CHRYSLER LLC

5. Connect the door harness electrical connector (1) to the body connector (2) at the B-pillar.
6. Connect the negative battery cable.
7. Adjust the door as necessary. See **SPECIFICATIONS**.

ADJUSTMENTS

DOOR - REAR

NOTE: It is recommended that you adjust the rear door before adjusting the front door.

Door adjustment measurements should be taken from stationary or welded body panels like the roof, rocker or quarter panels.

During adjustment procedures, it is recommended that all the hinge fasteners be loosened except for the upper most fasteners. Adjustments can be made using the upper fasteners to hold the door with final torque of the fasteners occurring after correct door positioning is achieved.

FORE/AFT

NOTE: Fore/aft (lateral) door adjustment is done by loosening the hinge to the hinge pillar fasteners one hinge at a time and moving the door to the correct position.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

1. Support the door with a suitable lifting device.
2. Loosen the hinge to hinge pillar fasteners. See **REMOVAL**.
3. Adjust the door to the correct position. See **SPECIFICATIONS**.
4. Tighten the hinge pillar fasteners to 26 N.m (19 ft. lbs.). See **INSTALLATION**.

NOTE: Use a suitable body sealer on the hinge to body mating surfaces.

UP/DOWN

NOTE: Up/down door adjustment is done by loosening either the hinge to the hinge pillar fasteners or the hinge to door fasteners and moving the door to the correct position.

NOTE: When the up/down adjustments are done correctly, the top of the door is positioned over flush to the roof. See **SPECIFICATIONS**.

1. Support the door with a suitable lifting device.
2. Remove the latch striker. See **REMOVAL**.
3. Loosen the hinge to hinge pillar fasteners. See **REMOVAL** or loosen the hinge to door fasteners . See **REMOVAL**.
4. Adjust the door to the correct position. See **SPECIFICATIONS**.
5. Tighten the hinge pillar fasteners to 26 N.m (19 ft. lbs.) or the door to hinges fasteners to 36.5 N.m (27 ft. lbs.). See **INSTALLATION**.
6. Install the latch striker. See **INSTALLATION**.

IN/OUT

NOTE: In/out door adjustment is done by loosening the hinge to door fasteners one hinge at a time and moving the door to the correct position.

1. Support the door with a suitable lifting device.
2. Remove the latch striker. See **REMOVAL**.
3. Loosen the hinge to door fasteners. See **REMOVAL**.
4. Adjust the front of the door to the correct position. See **SPECIFICATIONS**.
5. Tighten the door to hinges fasteners to 36.5 N.m (27 ft. lbs.).
6. Install the latch striker. See **INSTALLATION**.

APPLIQUE - REAR DOOR

REMOVAL

APPLIQUE - REAR DOOR

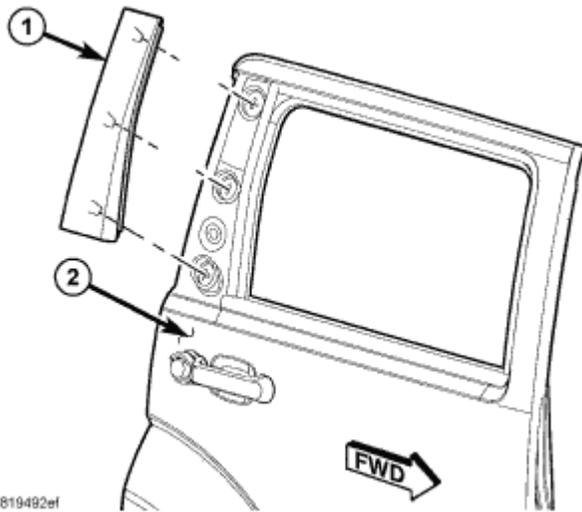


Fig. 168: Removing/Installing Rear Door Applique
Courtesy of CHRYSLER LLC

1. Use a trim stick C-4755 or equivalent, remove the door applique (1) from the rear door (2).

INSTALLATION

APPLIQUE - REAR DOOR

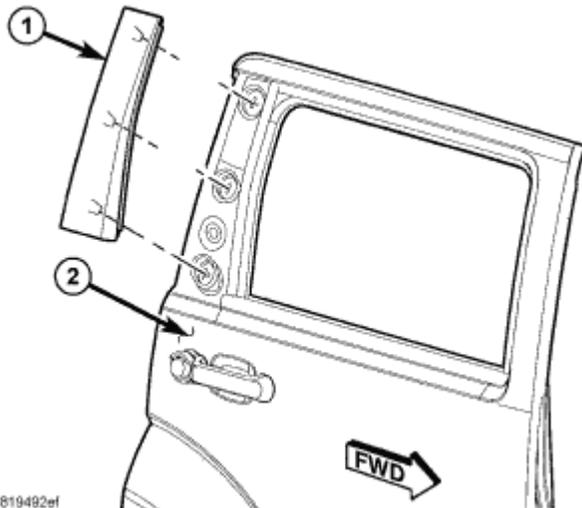


Fig. 169: Removing/Installing Rear Door Applique
Courtesy of CHRYSLER LLC

1. Align the door applique (1) to the rear door (2) and apply enough hand pressure in order to make sure the clips are fully seated.

GLASS - REAR DOOR

REMOVAL

GLASS - REAR DOOR

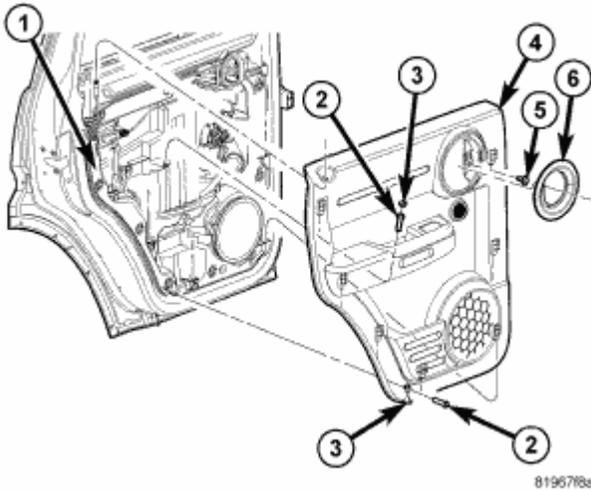


Fig. 170: Removing/Installing Rear Door Trim Panel
Courtesy of CHRYSLER LLC

1. Remove the trim panel. See **REMOVAL**.

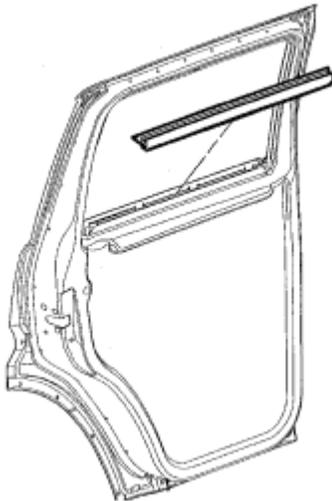


Fig. 171: Removing/Installing Inner Belt Molding Outboard
Courtesy of CHRYSLER LLC

2. Rotate the inner belt molding outboard while pulling up to disengage the retention tabs.

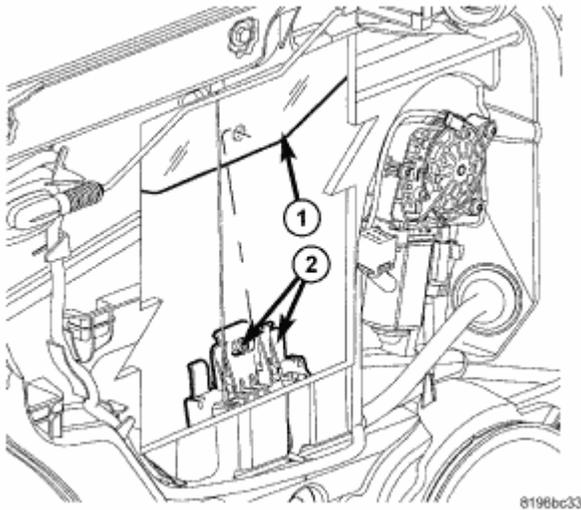


Fig. 172: Door Glass & Window Regulator
Courtesy of CHRYSLER LLC

NOTE: Place the glass in the full down position in order to access the window regulator.

3. Access the window regulator through the hole in the carrier plate. Disconnect the window regulator (2) from the door glass (1).

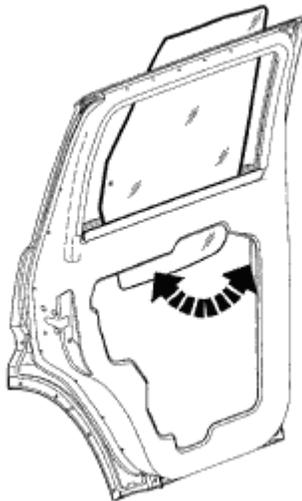


Fig. 173: Rotating Glass Upward/Downward Inside Run Channel
Courtesy of CHRYSLER LLC

NOTE: The following two graphics are shown with the carrier removed for clarity.

4. Rotate the glass upward inside the run channel.

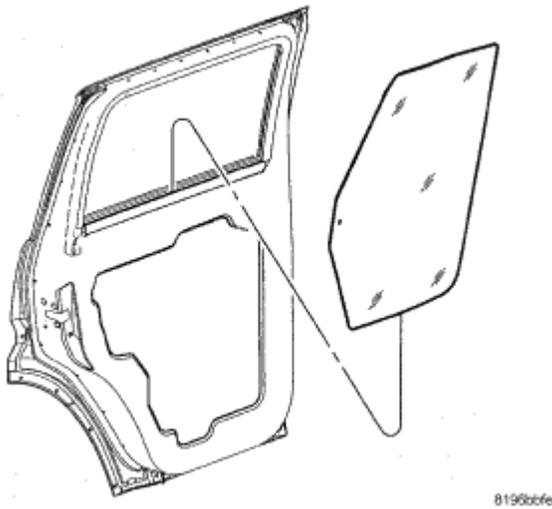


Fig. 174: Removing/Installing Rear Door Glass
Courtesy of CHRYSLER LLC

5. Remove the door glass from the window opening in the door.

INSTALLATION

GLASS - REAR DOOR

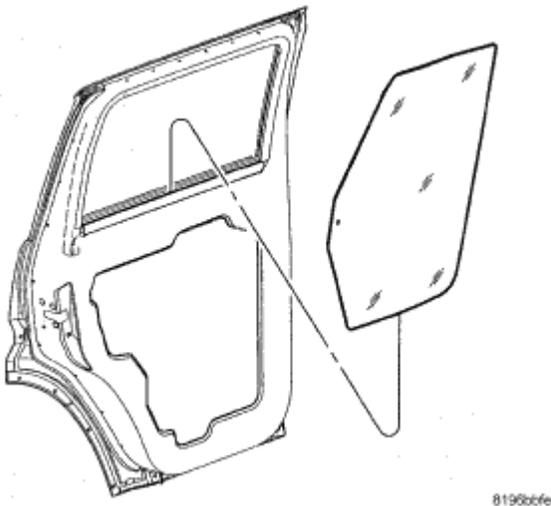
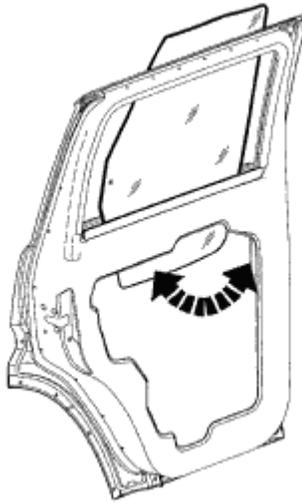


Fig. 175: Removing/Installing Rear Door Glass
Courtesy of CHRYSLER LLC

NOTE: The following two graphics are shown with the carrier removed for clarity.

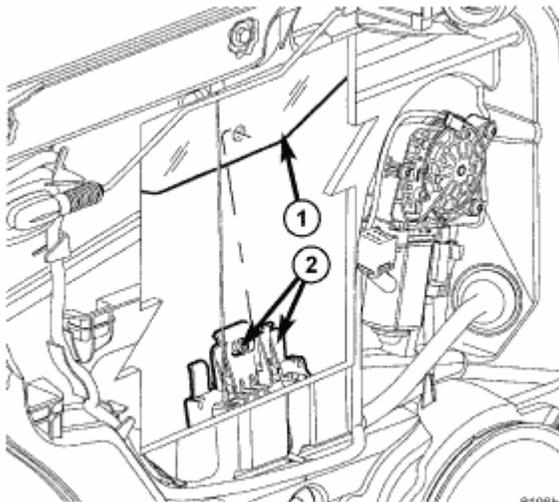
1. Install the door glass to the window opening in the door.



8198bc25

Fig. 176: Rotating Glass Upward/Downward Inside Run Channel
Courtesy of CHRYSLER LLC

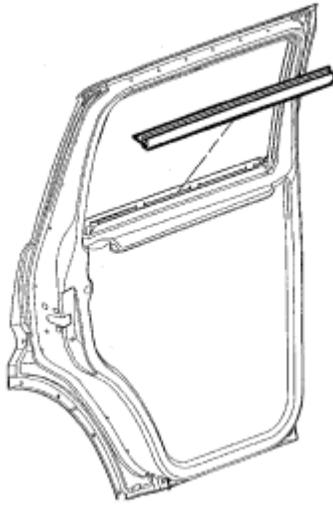
2. Rotate the glass downward into the run channel.



8198bc33

Fig. 177: Door Glass & Window Regulator
Courtesy of CHRYSLER LLC

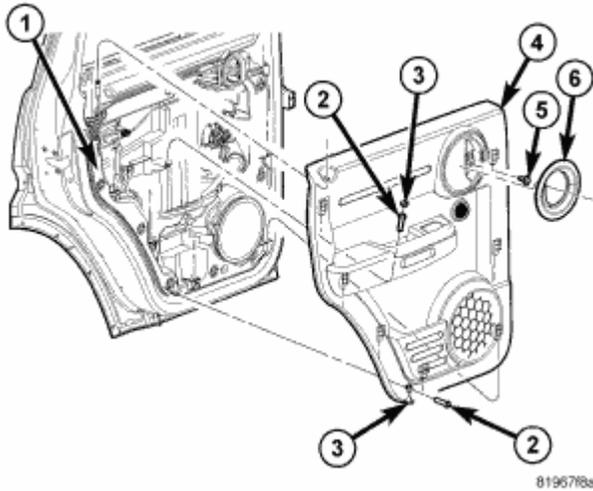
3. Access the window regulator through the hole in the carrier plate. Connect the door glass (1) to the window regulator (2).



8196aa73

Fig. 178: Removing/Installing Inner Belt Molding Outboard
Courtesy of CHRYSLER LLC

4. Press the belt molding onto the trim panel flange starting at the rear and working forward.



81967f8a

Fig. 179: Removing/Installing Rear Door Trim Panel
Courtesy of CHRYSLER LLC

5. Install the trim panel. See INSTALLATION.
6. Cycle the window several times to make sure the window doesn't bind on the outer weatherstrip or run channel.

HANDLE - EXTERIOR DOOR

REMOVAL

HANDLE - EXTERIOR DOOR

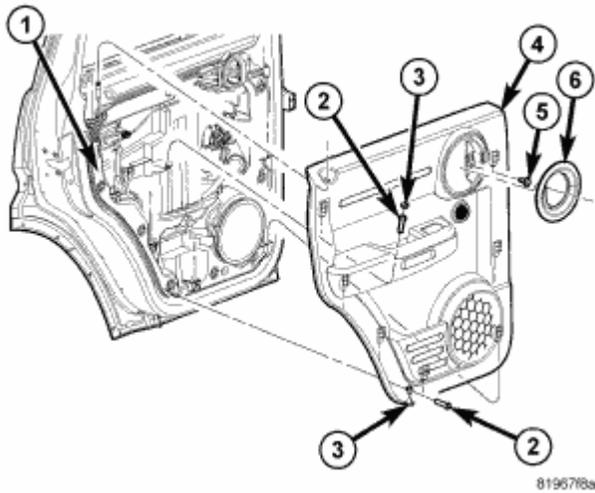


Fig. 180: Removing/Installing Rear Door Trim Panel
Courtesy of CHRYSLER LLC

1. Remove the trim panel from the door, see **REMOVAL**.

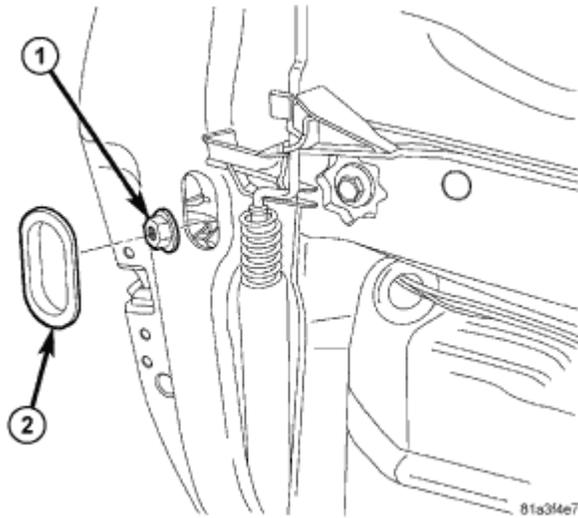
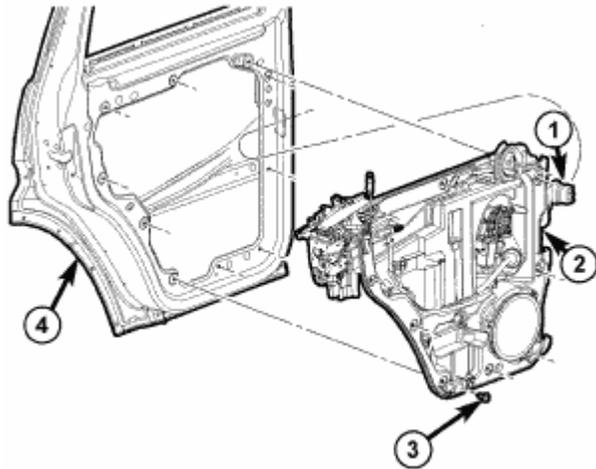


Fig. 181: Removing/Installing Door Plug & Rear Exterior Handle Nut
Courtesy of CHRYSLER LLC

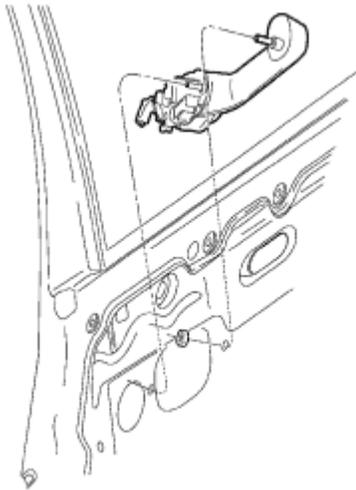
2. Remove the door plug (2).
3. Remove rear exterior handle nut (1).



81968a22

Fig. 182: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

4. Remove the carrier plate, see **REMOVAL**.



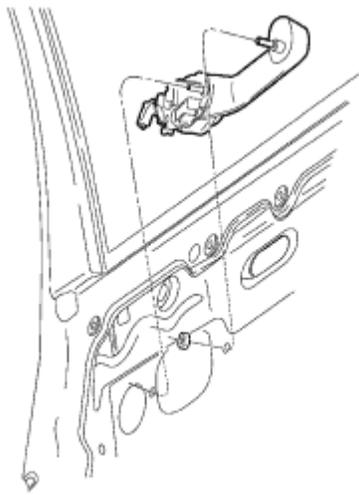
819c4044

Fig. 183: Removing/Installing Front Exterior Handle
Courtesy of CHRYSLER LLC

5. Remove the front exterior handle nut and remove the handle from the door.

INSTALLATION

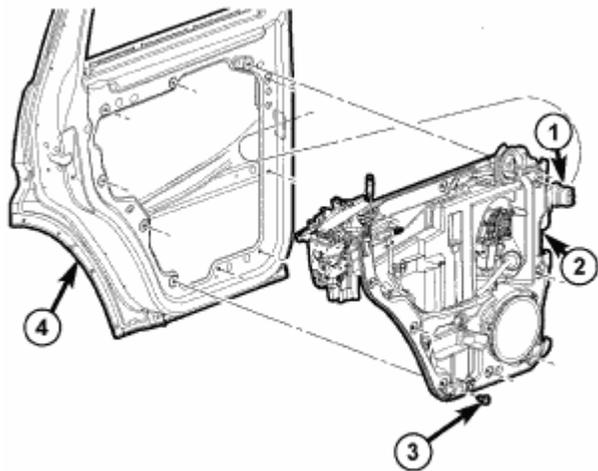
HANDLE - EXTERIOR DOOR



819c4044

Fig. 184: Removing/Installing Front Exterior Handle
Courtesy of CHRYSLER LLC

1. Install the handle and front exterior handle nut to the door and tighten to 4.5 N.m (40 in. lbs.).



81968a22

Fig. 185: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

2. Install the carrier plate to the door, see INSTALLATION.

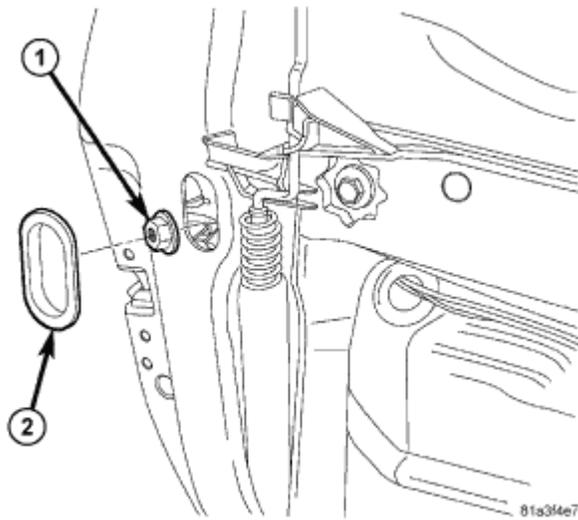


Fig. 186: Removing/Installing Door Plug & Rear Exterior Handle Nut
 Courtesy of CHRYSLER LLC

NOTE: The door glass must be in the full up position in order to access the rear exterior handle nut. Use light and a magnetic socket on the rear nut to prevent from dropping the nut into the door assembly.

3. Install the rear nut (1) to the exterior handle and tighten to 4.5 N.m (40 in. lbs.).
4. Install the door plug (2) to the door.

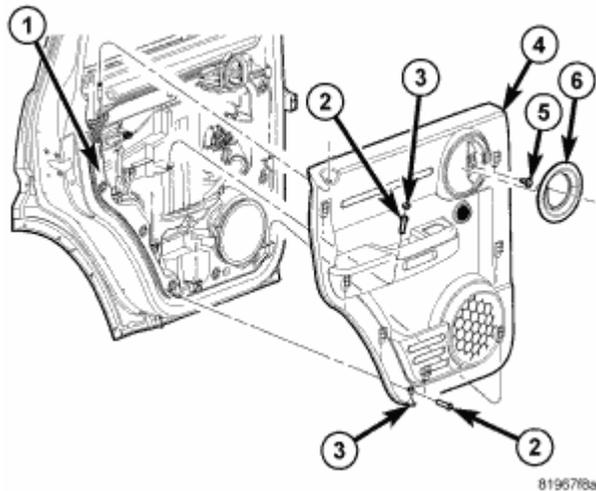


Fig. 187: Removing/Installing Rear Door Trim Panel
 Courtesy of CHRYSLER LLC

5. Install the trim panel to the door, see **INSTALLATION**.

HANDLE - INTERIOR DOOR

REMOVAL

HANDLE - INTERIOR DOOR

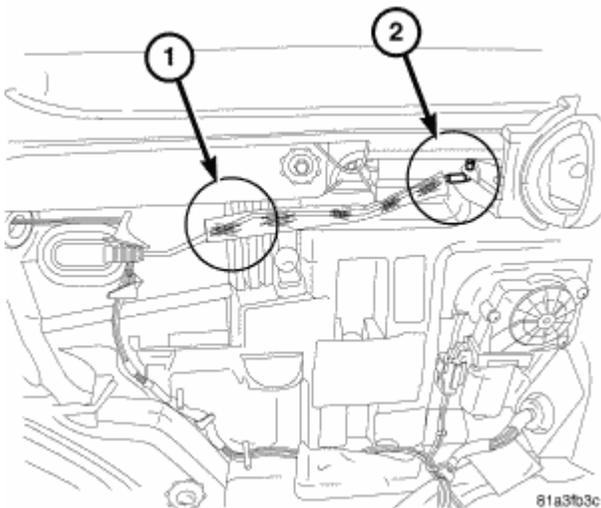


Fig. 188: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

1. Remove the door trim panel, see **REMOVAL**.
2. Remove the interior lock rod from the interior handle (2).

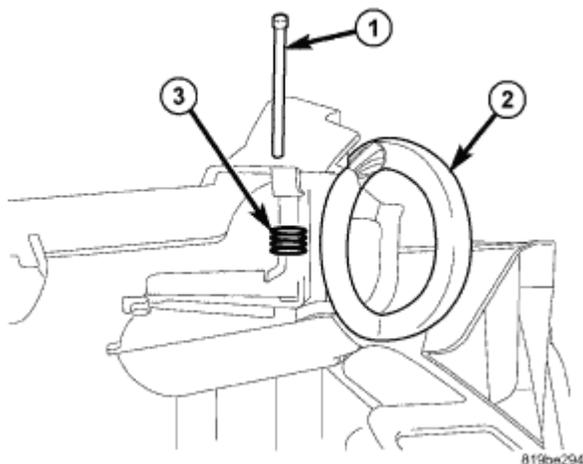


Fig. 189: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

3. Remove the push pin (1) from the handle.
4. Remove the spring (3) and handle (2) from the carrier.

INSTALLATION

HANDLE - INTERIOR DOOR

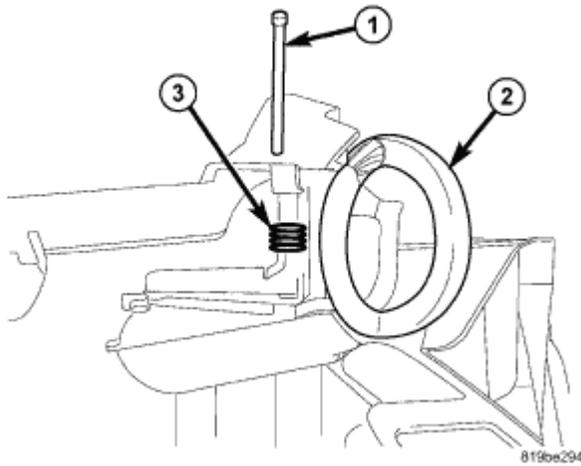


Fig. 190: Push Pin, Handle & Spring
Courtesy of CHRYSLER LLC

1. Install the handle (2) and spring (3) to the carrier.
2. Install the push pin (1) into the carrier, spring and the handle.

NOTE: Make sure that the push pin is seated flush with the carrier.

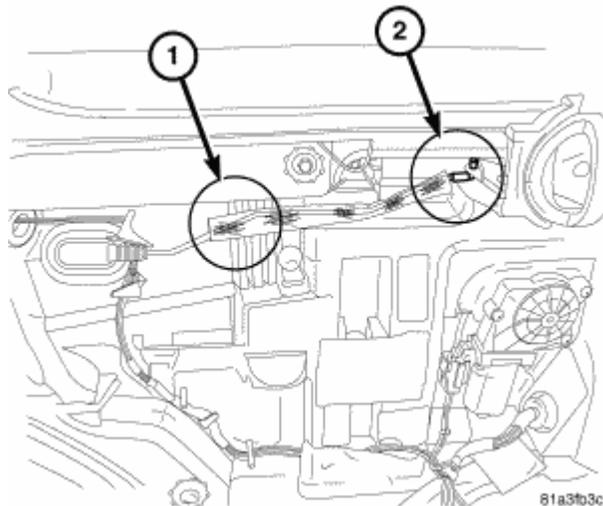


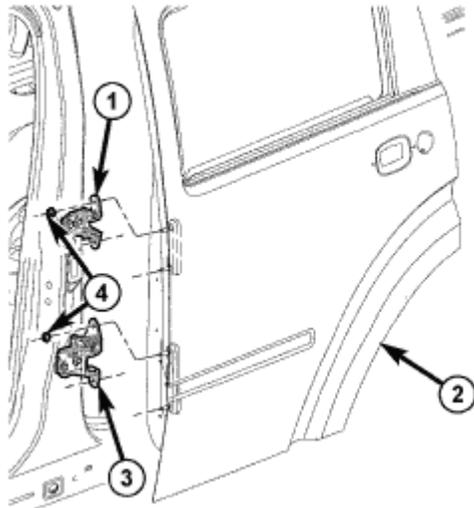
Fig. 191: Carrier & Interior Handle
Courtesy of CHRYSLER LLC

3. Install the interior lock rod to the interior handle (2). Make sure the lock rod is positioned properly to the carrier (1).
4. Install the door trim panel, see **INSTALLATION**.

HINGE - REAR DOOR

REMOVAL

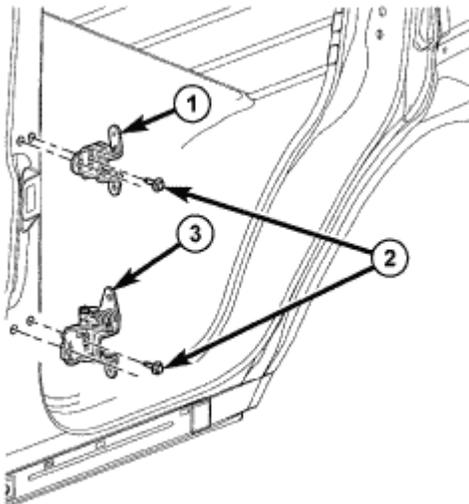
HINGE - REAR DOOR



81967432

Fig. 192: Removing/Installing Upper/Lower Hinges, Door & Nuts
 Courtesy of CHRYSLER LLC

1. Remove the rear door, see **REMOVAL**.



819673ad

Fig. 193: Upper/Lower Door Hinge & Bolts
 Courtesy of CHRYSLER LLC

NOTE: Use a grease pencil or equivalent, mark the location of the upper (1) and lower (3) hinge on the body of the lower B-pillar for alignment during installation.

2. Remove the (2) that secure the upper door hinge (1) and lower door hinge (3) to the body of the B-pillar and remove the hinges.

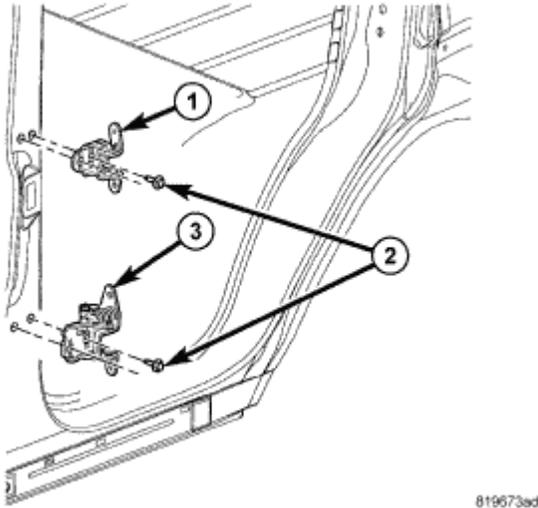
INSTALLATION**HINGE - REAR DOOR**

Fig. 194: Upper/Lower Door Hinge & Bolts
 Courtesy of CHRYSLER LLC

1. Install the upper (1) and lower (3) hinges onto B-pillar and loosely install the bolts (2).
2. Align the hinges to the B-pillar using the reference marks made during the removal procedure and tighten the bolts to 26 N.m (19 ft. lbs.).

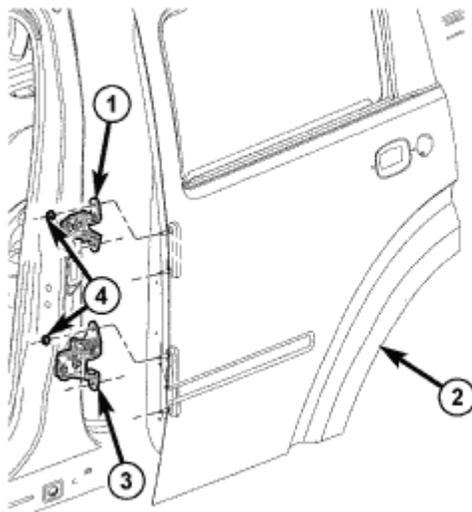


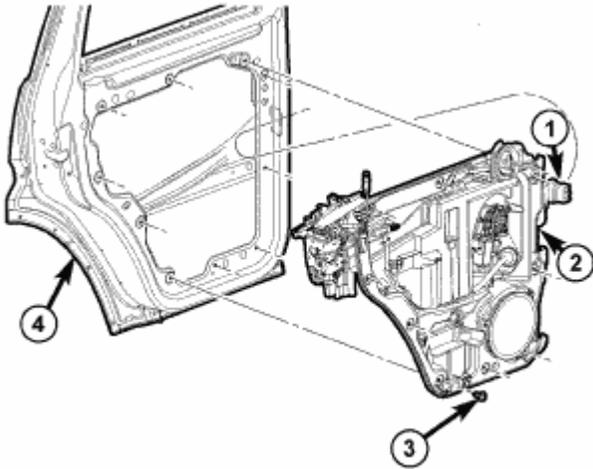
Fig. 195: Removing/Installing Upper/Lower Hinges, Door & Nuts
 Courtesy of CHRYSLER LLC

3. Install the rear door, see **INSTALLATION**.

LATCH - REAR DOOR

REMOVAL

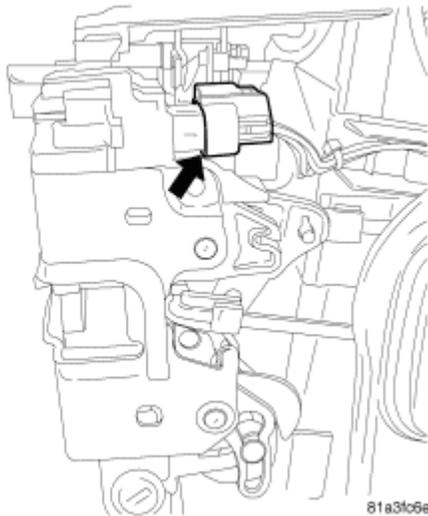
LATCH - REAR DOOR



81968a22

Fig. 196: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

1. Remove the carrier plate, see **REMOVAL**.



81a3f6e

Fig. 197: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

2. Disconnect the latch electrical connector.

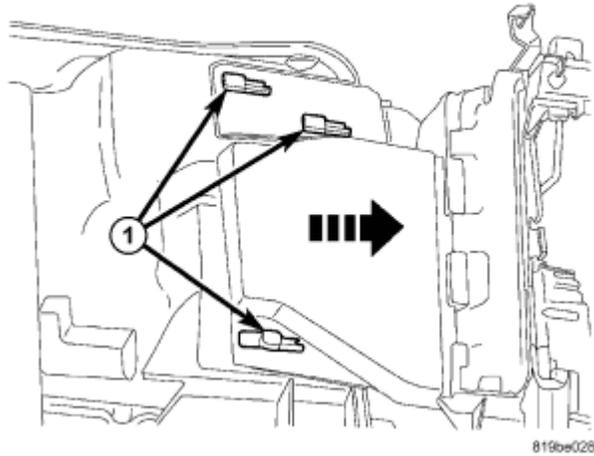


Fig. 198: Carrier Plate Slots
Courtesy of CHRYSLER LLC

3. Turn the carrier plate over and slide the latch bracket assembly to remove from carrier.

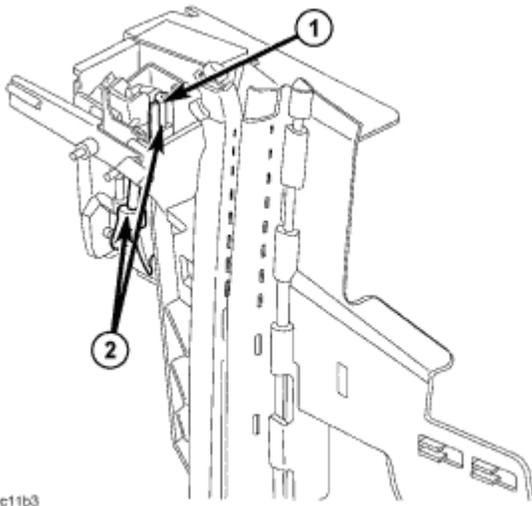
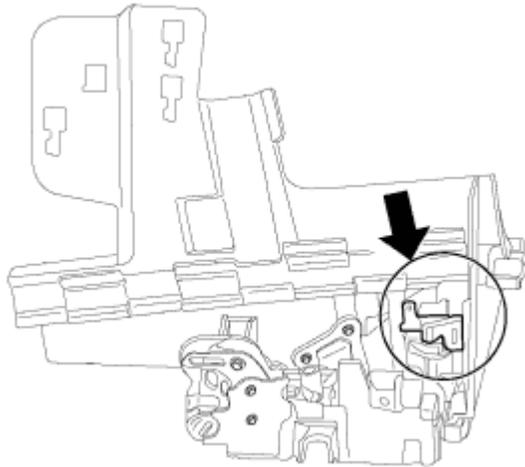


Fig. 199: Release Rod & Swing Clips
Courtesy of CHRYSLER LLC

NOTE: All the lock rods are color coded to help identify the location for the particular lock rod.

4. Remove the release rod (1) by disengaging the two swing clips (2).

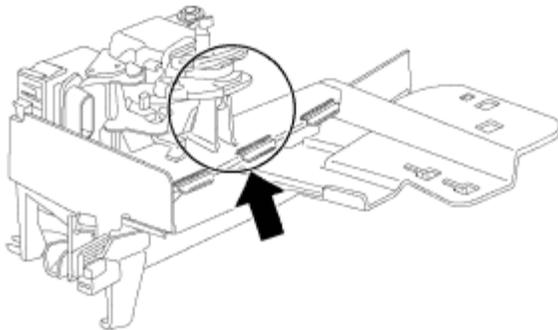


819c1137

Fig. 200: Removing/Installing First Latch Attachment Point
Courtesy of CHRYSLER LLC

NOTE: The latch has three attachment points to the latch bracket.

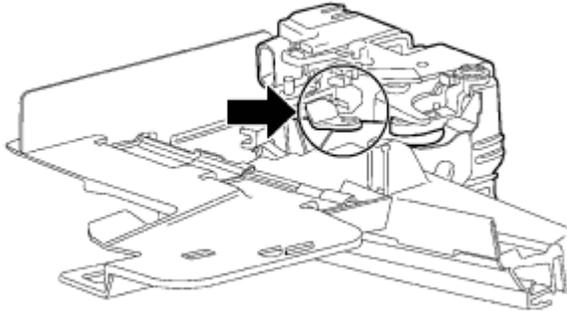
5. Remove the first latch attachment point from the latch bracket.



819c1148

Fig. 201: Removing/Installing Second Latch Attachment Point
Courtesy of CHRYSLER LLC

6. Remove the second latch attachment point from the latch bracket.



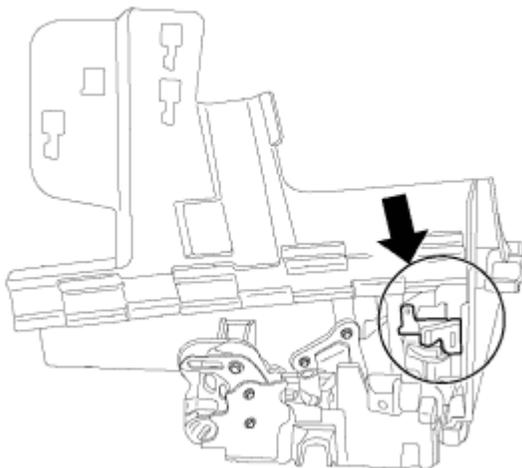
819c118e

Fig. 202: Removing/Installing Third Latch Attachment Point
Courtesy of CHRYSLER LLC

7. Remove the third latch attachment point from the latch bracket and remove the latch from the latch bracket.

INSTALLATION

LATCH - REAR DOOR

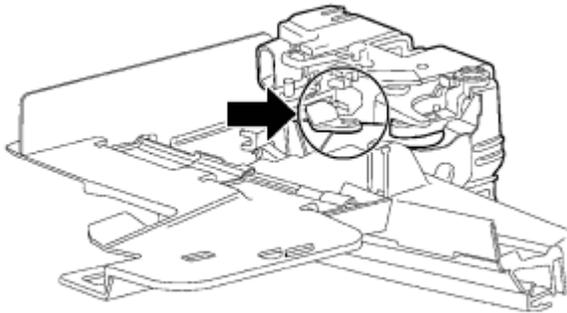


819c1137

Fig. 203: Removing/Installing First Latch Attachment Point
Courtesy of CHRYSLER LLC

NOTE: The latch has three attachment points to the latch bracket and need to be attached in the following order:

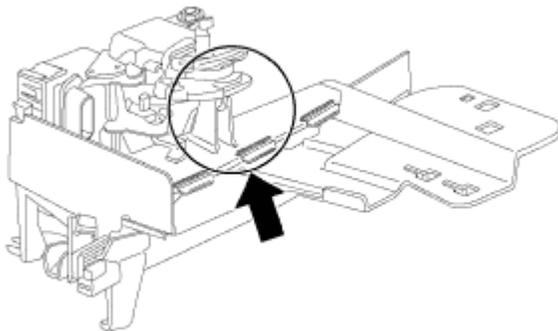
1. Install the first latch attachment point to the latch bracket.



819c118e

Fig. 204: Removing/Installing Third Latch Attachment Point
Courtesy of CHRYSLER LLC

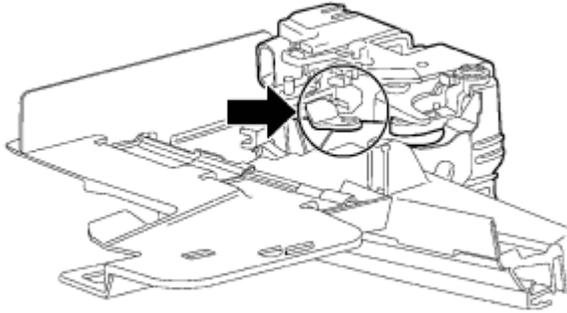
2. It is necessary to align the third attachment point prior to attaching the second point, but do not attach at this time.



819c1148

Fig. 205: Removing/Installing Second Latch Attachment Point
Courtesy of CHRYSLER LLC

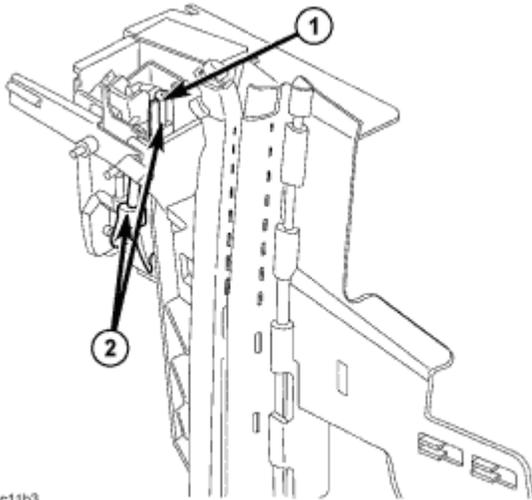
3. Install the second latch attachment point to the latch bracket.



819c118e

Fig. 206: Removing/Installing Third Latch Attachment Point
Courtesy of CHRYSLER LLC

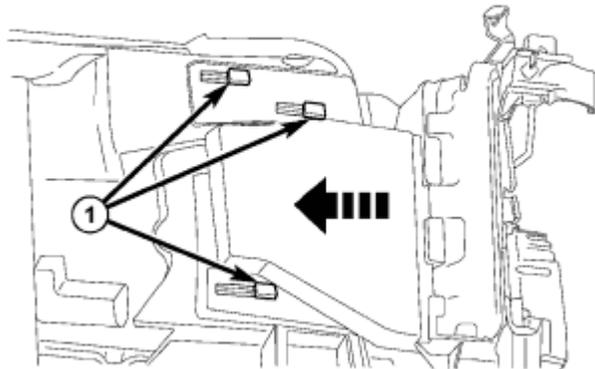
4. Install the third latch attachment point to the latch bracket.



819c11b3

Fig. 207: Release Rod & Swing Clips
Courtesy of CHRYSLER LLC

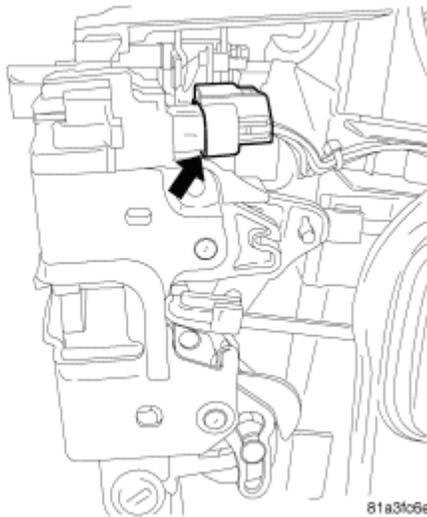
5. Install the release rod (1) then engage the two swing clips (2).



819be0ef

Fig. 208: Identifying Carrier Plate Slots
Courtesy of CHRYSLER LLC

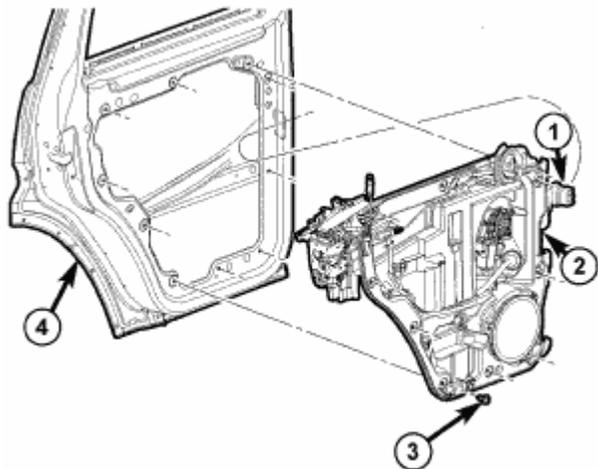
6. Install the latch bracket assembly to the carrier plate slots (1) then slide the latch bracket until fully seated.



81a3f06e

Fig. 209: Disconnecting/Connecting Latch Electrical Connector
Courtesy of CHRYSLER LLC

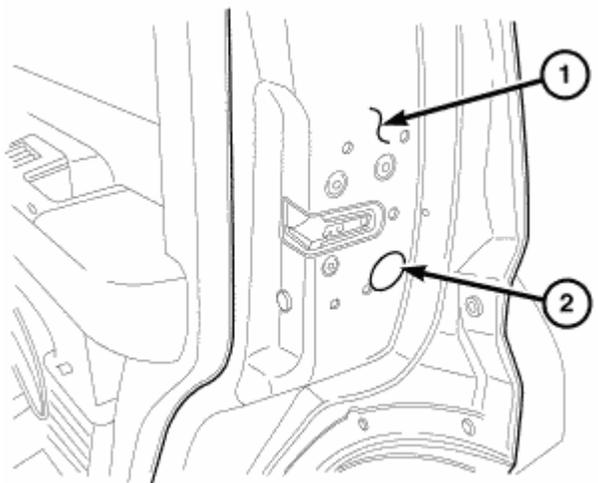
7. Connect the latch electrical connector.



81908a22

Fig. 210: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

8. Install the carrier plate, see INSTALLATION.



81d3b1ab

Fig. 211: Adjusting Rear Door Latch
Courtesy of CHRYSLER LLC

9. Adjust the latch as needed, see ADJUSTMENTS.

ADJUSTMENTS

LATCH - REAR DOOR

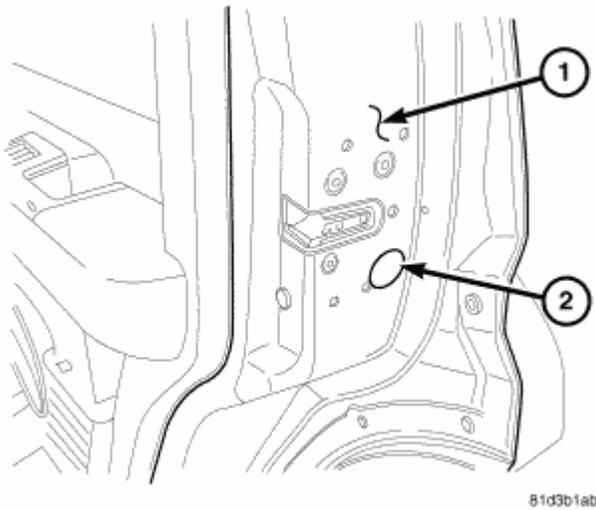


Fig. 212: Adjusting Rear Door Latch
Courtesy of CHRYSLER LLC

1. Locate the access hole on door (1) and remove tape (2) covering it.
2. Insert a 5/32" hex-wrench through hole and into adjustment screw. Loosen screw.
3. Operate outside handle several times to release any restriction because of mis-alignment.
4. Tighten adjustment screw to 4.5 N.m (40 in. lbs.).
5. Test handle for proper operation.

STRIKER - REAR DOOR LATCH

REMOVAL

STRIKER - REAR DOOR LATCH

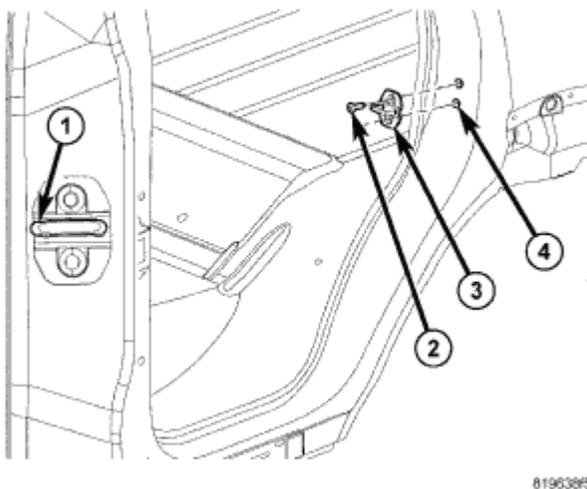
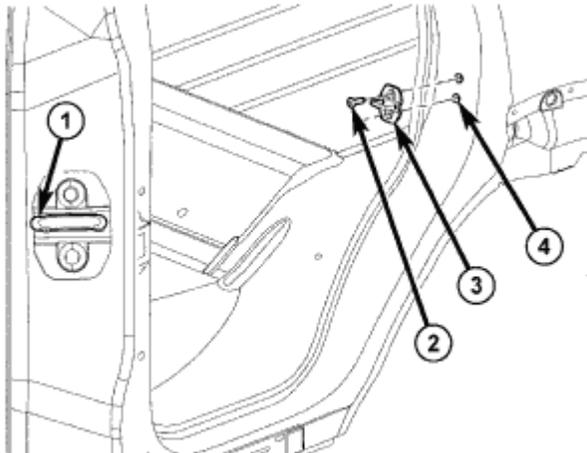


Fig. 213: Striker Loop, Bolts, Striker & B-Pillar
Courtesy of CHRYSLER LLC

1. Remove the bolts (2) from the striker latch (3).
2. Remove the latch striker (3) from the B-pillar (4).

INSTALLATION

STRIKER - REAR DOOR LATCH



819638F5

Fig. 214: Striker Loop, Bolts, Striker & B-Pillar

Courtesy of CHRYSLER LLC

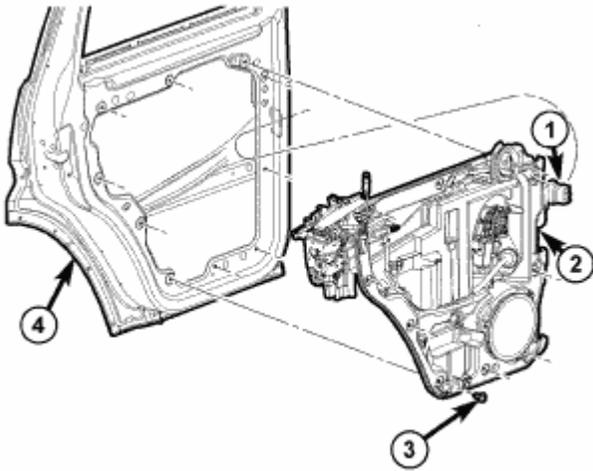
NOTE: The striker needs to be properly orientated to the B-pillar. The striker loop (1) must be installed to the inboard side of the B-pillar.

1. Install the striker (3) to the B-pillar (4).
2. Install the bolts (2) and tighten to 26 N.m (19 ft. lbs.).
3. Adjust the door as necessary, see **SPECIFICATIONS**.

RUN - REAR DOOR GLASS

REMOVAL

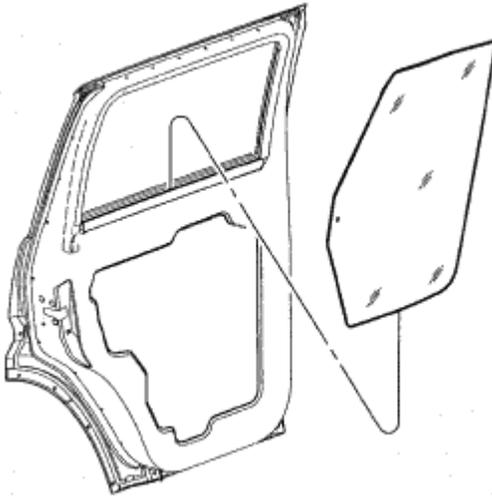
RUN - REAR DOOR GLASS



81968a22

Fig. 215: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

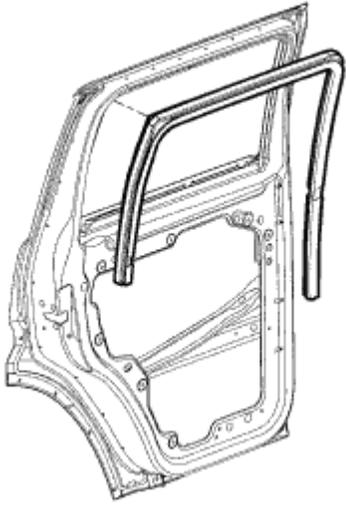
1. Remove the carrier plate from the door, see **REMOVAL**.



81968bfe

Fig. 216: Removing/Installing Rear Door Glass
Courtesy of CHRYSLER LLC

2. Remove the rear door glass from the window opening in the door, see **REMOVAL**.



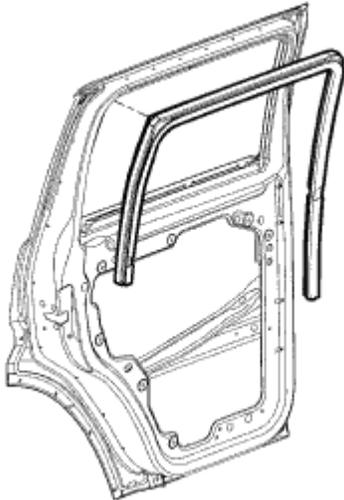
8198b5bc

Fig. 217: Removing/Installing Run Channel
Courtesy of CHRYSLER LLC

3. Remove the run channel from the window opening in the door.

INSTALLATION

RUN - REAR DOOR GLASS



8198b5bc

Fig. 218: Removing/Installing Run Channel
Courtesy of CHRYSLER LLC

1. Install the run channel to the window opening in the door.

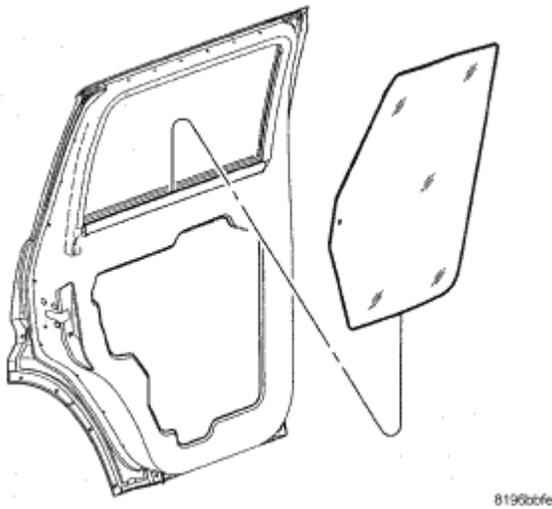


Fig. 219: Removing/Installing Rear Door Glass
Courtesy of CHRYSLER LLC

2. Install the rear door glass to the window opening in the door, see **INSTALLATION**.

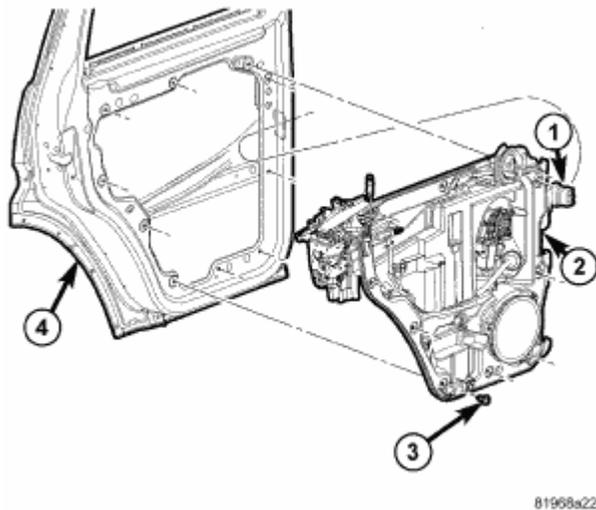


Fig. 220: Electrical Connector, Carrier Plate, Screws & Door
Courtesy of CHRYSLER LLC

3. Install the carrier plate to the door, see **INSTALLATION**.
4. Cycle the window several times to make sure the window doesn't bind on the outer weatherstrip or run channel.

PANEL - DOOR TRIM REAR

REMOVAL

PANEL - DOOR TRIM REAR

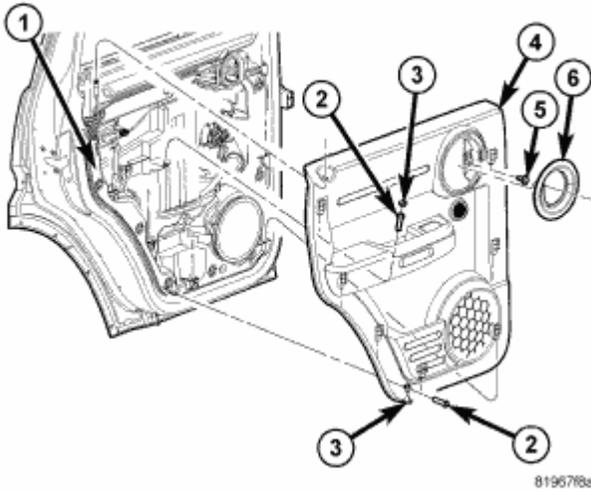


Fig. 221: Removing/Installing Rear Door Trim Panel
 Courtesy of CHRYSLER LLC

1. Remove the door handle trim bezel (6).
2. Remove the fastener (5) from the handle area of the front door trim (4).
3. Use a very thin pry tool to remove the cap screw covers (3) from the door trim (4).
4. Remove the screws (2) from the front door trim (4).
5. Remove the power window switch and disconnect the electrical connector.
6. Disengage the trim panel from the four way locator at the handle area of the trim panel, then carefully remove the door trim panel (4) from the door (1) by lifting upward until removed from the door lock and the mounting attachments on the carrier plate.

INSTALLATION

PANEL - DOOR TRIM REAR

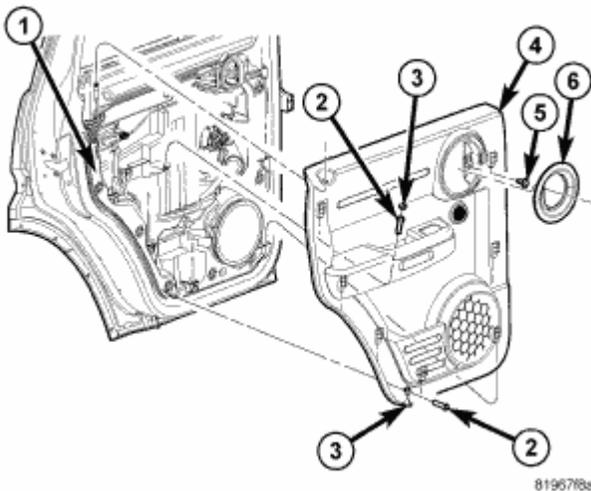


Fig. 222: Removing/Installing Rear Door Trim Panel

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

Courtesy of CHRYSLER LLC

1. Carefully install the door trim panel (4) to the door (1) by lifting upward and over the door lock into the trim panel then attach the trim panel to the carrier plate attachment points.
2. Connect the electrical connector and install the power window switch.
3. Install the screws (2) to the front door trim (4).
4. Install the cap screw covers (3) to the front door trim (4).
5. Install the fastener (5) at the handle area of the front door trim (4) and tighten screw to 5.5 N.m (50 in. lbs.).
6. Install the door handle trim bezel (6).

REGULATOR - POWER WINDOW

REMOVAL

REGULATOR - POWER WINDOW

NOTE: The window regulator is part of the carrier plate and is not serviceable. Replace the carrier plate if the regulator fails.

1. Replace the carrier plate, see REMOVAL.

INSTALLATION

REGULATOR - POWER WINDOW

NOTE: The window regulator is part of the carrier plate and is not serviceable. Replace the carrier plate if the regulator fails.

1. Install the carrier plate, see INSTALLATION.

EXTERIOR

APPLIQUE - FRONT FENDER

REMOVAL

APPLIQUE - FRONT FENDER

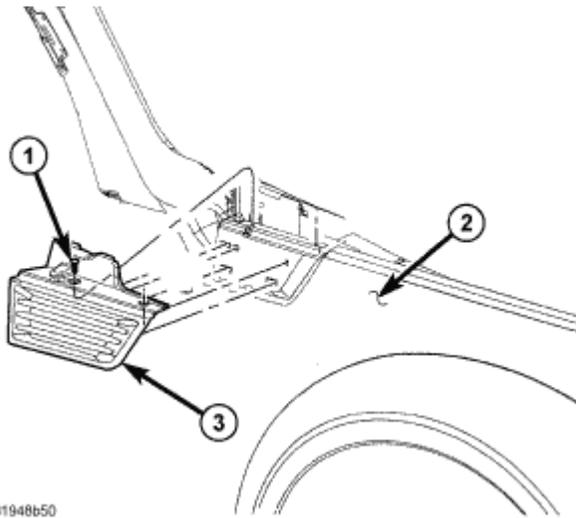


Fig. 223: Screws, Fender & Applique
Courtesy of CHRYSLER LLC

1. Remove the two screws (1) from the fender applique (3).
2. Use a trim stick C-4755 or equivalent, separate the fender applique (3) from the fender (2).

INSTALLATION

APPLIQUE - FRONT FENDER

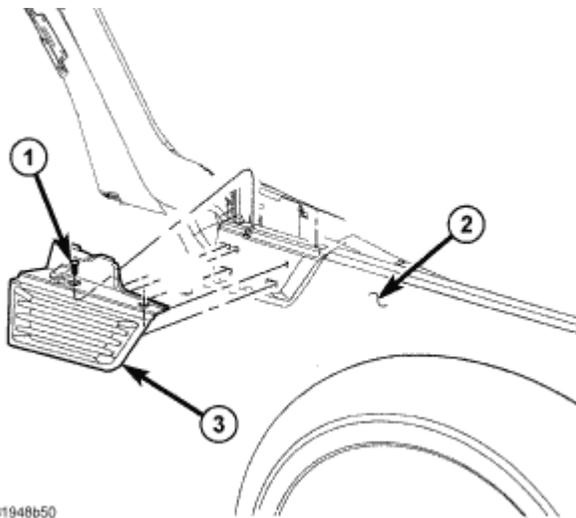
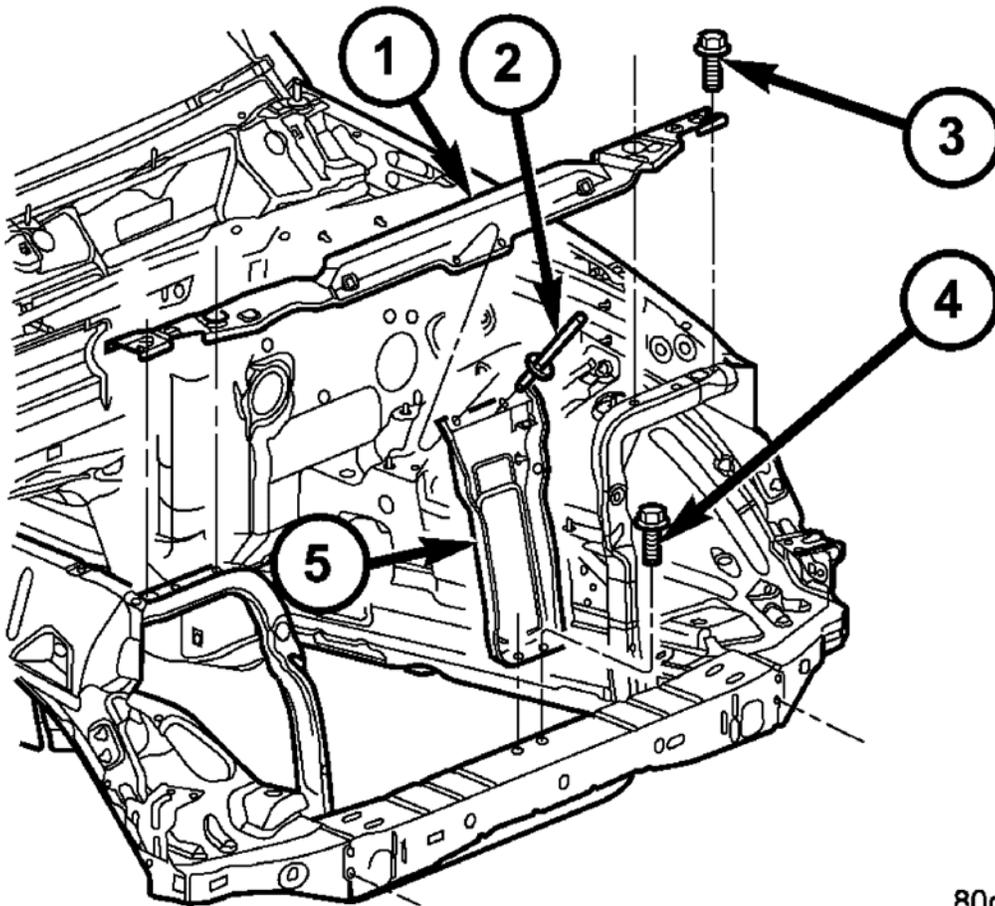


Fig. 224: Screws, Fender & Applique
Courtesy of CHRYSLER LLC

1. Align the fender applique (3) to the fender assembly (2) and apply enough hand pressure in order to make sure the clips are fully seated.
2. Install the two screws (1) to the fender applique (3).

RADIATOR CROSSMEMBER

REMOVAL**CROSSMEMBER - RADIATOR CLOSURE**

80cb3944

Fig. 225: Crossmember, Rivet, Bolts & Hood Latch Support
Courtesy of CHRYSLER LLC

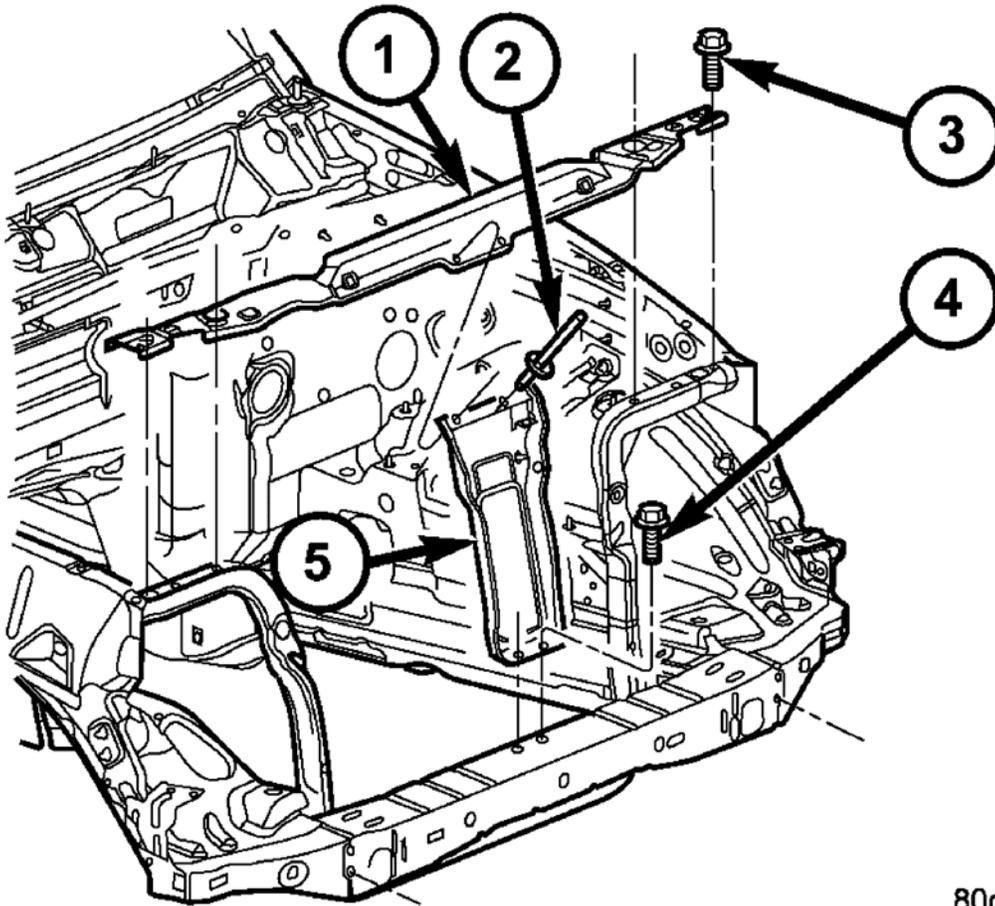
- | |
|------------------------|
| 1 - CROSSMEMBER |
| 2 - RIVETS |
| 3 - BOLTS (4) |
| 4 - BOLTS (2) |
| 5 - HOOD LATCH SUPPORT |

1. Remove the grille, see **REMOVAL**.
2. Remove the hood latch, see **REMOVAL**.
3. Remove the rivet securing the washer bottle to the crossmember.
4. Remove the rivets attaching the hood latch support to the crossmember.
5. Remove the bolts (4) and remove the hood latch support (5).

6. Remove the bolts (3) and remove the crossmember (1).

INSTALLATION

CROSSMEMBER - RADIATOR CLOSURE



80cb3944

Fig. 226: Crossmember, Rivet, Bolts & Hood Latch Support
Courtesy of CHRYSLER LLC

1 - CROSSMEMBER
2 - RIVETS
3 - BOLTS (4)
4 - BOLTS (2)
5 - HOOD LATCH SUPPORT

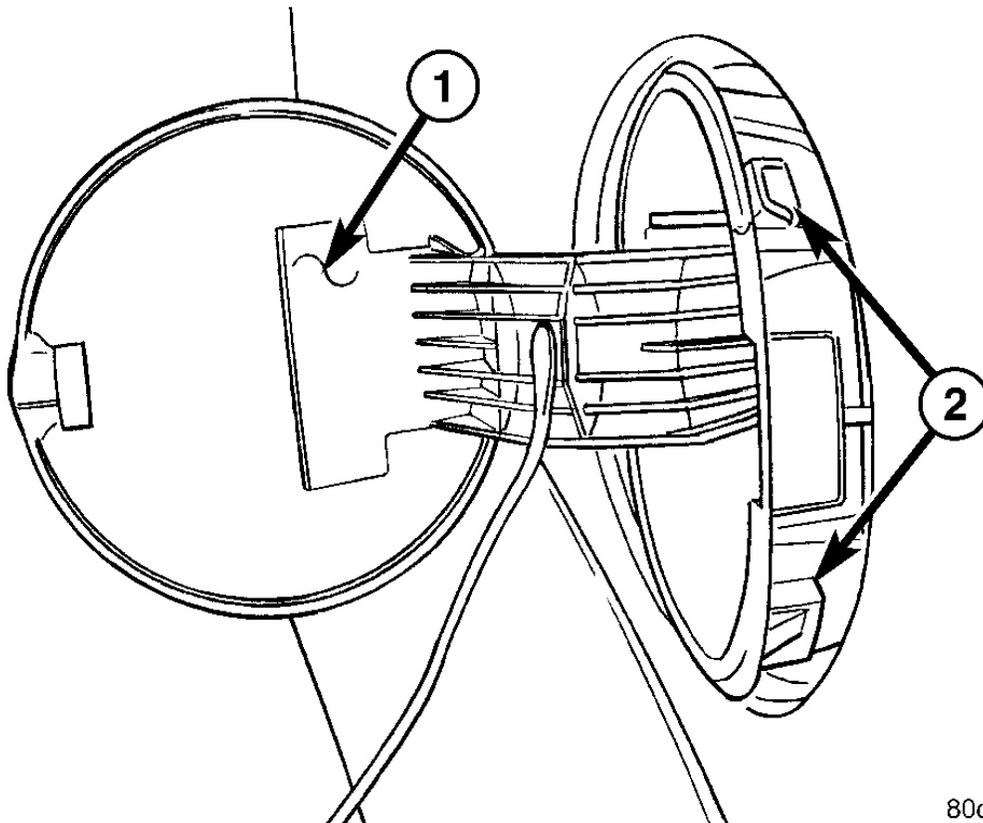
1. Install the crossmember (1) and install the bolts (3).
2. Tighten the bolts to 10 N.m (85 in. lbs.).
3. Install the hood latch support (5) and install the bolts (4).

4. Tighten the bolts to 10 N.m (85 in. lbs.).
5. Install new rivets (2) attaching the hood latch support to the crossmember.
6. Install the hood latch, see **INSTALLATION**.
7. Install the grille, see **INSTALLATION**.
8. Install a new rivet securing the washer bottle to the crossmember.

DOOR - FUEL FILL

REMOVAL

DOOR - FUEL FILL



80ce9fd1

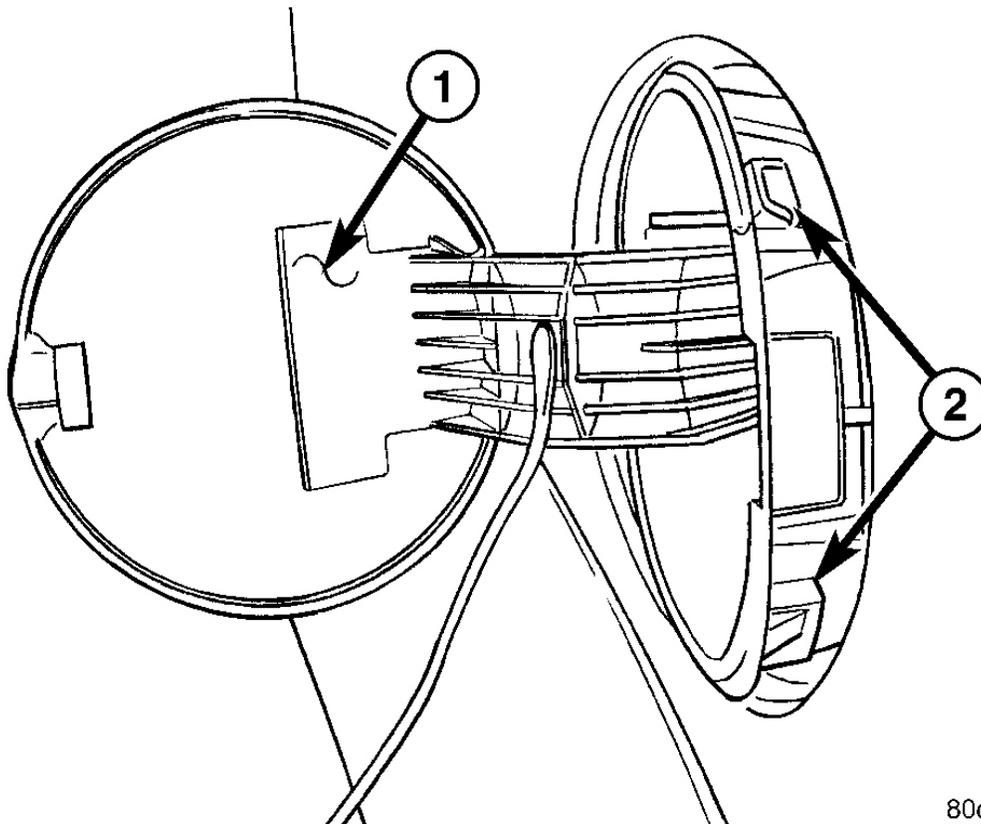
Fig. 227: Fuel Fill Door/Housing
Courtesy of CHRYSLER LLC

1 - FUEL FILL DOOR
2 - HOUSING TABS

1. Remove the fuel cap.
2. Remove the three screws connecting the fuel door/housing to the filler neck.
3. Reach in through the opening and depress the tabs (2) at the upper and bottom right of the door/housing.
4. Remove the fuel door/housing from the vehicle.

INSTALLATION

DOOR - FUEL FILL



80ce9fd1

Fig. 228: Fuel Fill Door/Housing
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - FUEL FILL DOOR
2 - HOUSING TABS |
|--|

1. Position the fuel filler door/housing into the vehicle and fully seat the tabs (2).
2. Install the three screws.
3. Install the fuel cap.

FENDER - FRONT

REMOVAL

FENDER - FRONT

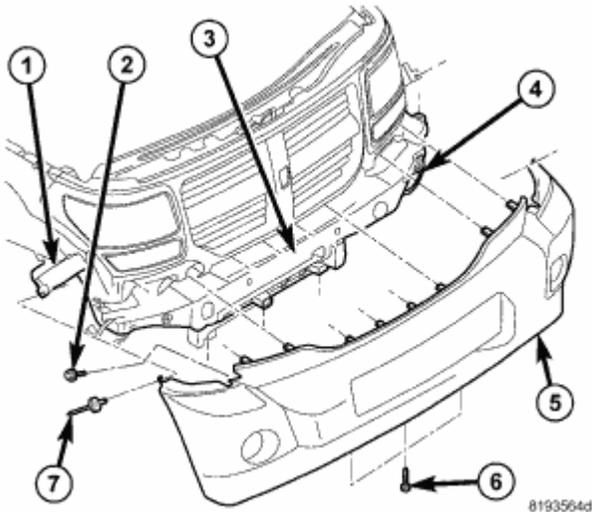
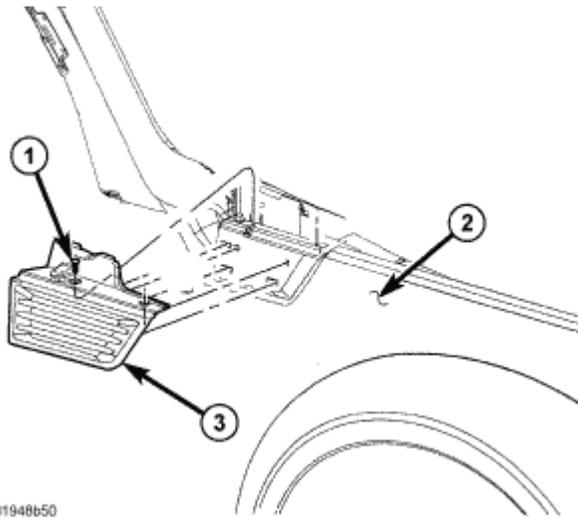


Fig. 229: Removing/Installing Fascia Assembly
Courtesy of CHRYSLER LLC

- 1 - Fascia Support Bracket
- 2 - Fastener
- 3 - Carrier
- 4 - Fog Lamp Connectors
- 5 - Fascia
- 6 - Push Pins
- 7 - Rivet

1. Remove the front fascia, refer to **REMOVAL** .
2. Remove the front fascia support bracket (1).
3. Remove the grille, see **REMOVAL**.



81948b50

Fig. 230: Screws, Fender & Applique
 Courtesy of CHRYSLER LLC

4. Remove the two screws (1) from the fender applique (3).
5. Use a trim stick C-4755 or equivalent, separate the fender applique (3) from the fender (2).
6. Remove the front wheel opening flare molding, see **REMOVAL**.

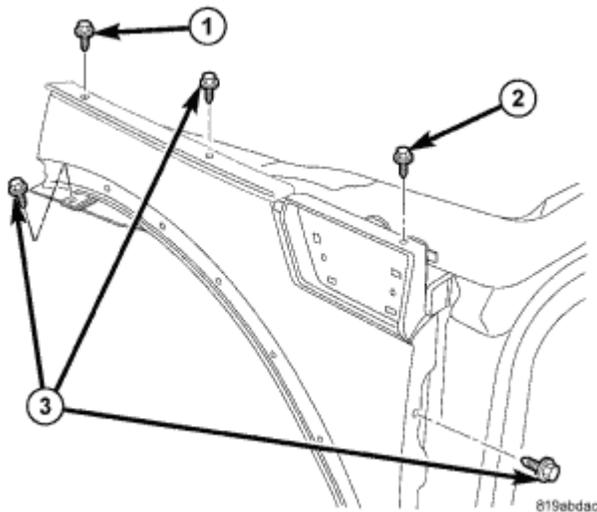


Fig. 231: Removing/Installing Fender
 Courtesy of CHRYSLER LLC

7. Remove the bolts and remove the fender.

INSTALLATION

FENDER - FRONT

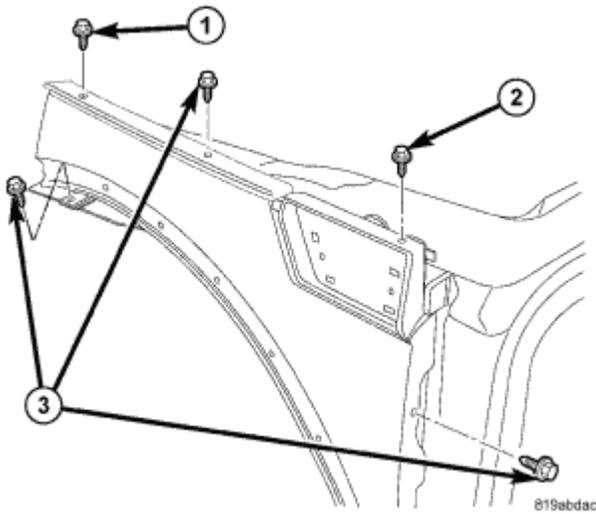


Fig. 232: Removing/Installing Fender
Courtesy of CHRYSLER LLC

NOTE: Follow the mandatory torque sequence when tightening the fender bolts.

1. Align the fender with adjacent body parts, install and tighten bolt (2) first then tighten bolt (1) then all remaining bolts (3). Tighten all bolts to 9 N.m (80 in. lbs.). Make sure there are no excessive gaps between the fender and the door assemblies, see **SPECIFICATIONS**.
2. Install the front wheel opening flare molding, see **INSTALLATION**.

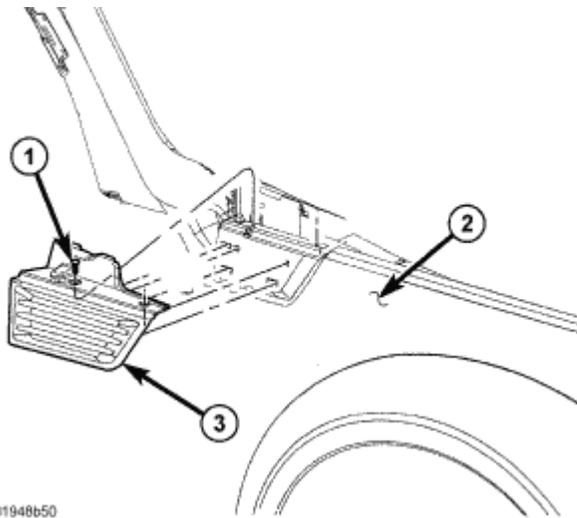


Fig. 233: Screws, Fender & Applique
Courtesy of CHRYSLER LLC

3. Align the fender applique (3) to the fender assembly (2) and apply enough hand pressure in order to make sure the clips are fully seated.
4. Install the two screws (1) to the fender applique (3).
5. Install the grille, see **INSTALLATION**.

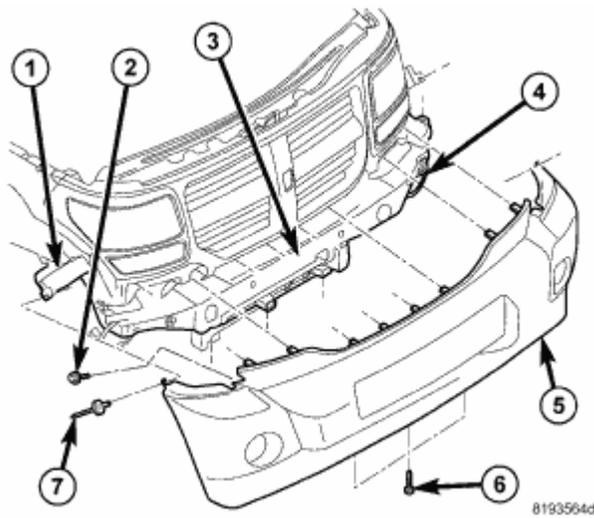


Fig. 234: Removing/Installing Fascia Assembly
Courtesy of CHRYSLER LLC

- 1 - Fascia Support Bracket
- 2 - Fastener
- 3 - Carrier
- 4 - Fog Lamp Connectors
- 5 - Fascia
- 6 - Push Pins
- 7 - Rivet

6. Install the fender support bracket (1).
7. Install the fascia assembly, refer to **INSTALLATION**.

GLASS - OUTSIDE REARVIEW MIRROR

REMOVAL

GLASS - OUTSIDE REARVIEW MIRROR

WARNING: Always wear eye and hand protection when servicing the mirror assembly. Failure to observe these warnings may result in personal injury from broken glass.

1. Carefully pull/pry the broken glass holder from the mirror assembly.
2. Disconnect the heated mirror electrical connectors from the terminals on the mirror glass holder, if equipped.

INSTALLATION

GLASS - OUTSIDE REARVIEW MIRROR

CAUTION: It is important to make sure the motor is square to the glass holder (attaching fingers) prior to glass holder attachment, otherwise the glass holder could be installed incorrectly causing poor retention and possible repeat failure.

1. Position the new mirror glass holder to the mirror assembly.

NOTE: Position the mirror glass holder so that the moisture drain hole on the mirror glass holder assembly is facing downward.

2. Align the mirror glass holder's attaching fingers to the mirror motor housing.

NOTE: Ensure that the protective rubber cover of the mirror motor housing is positioned correctly around the bottom of the fingers area.

3. Using one hand, firmly press the mirror glass holder assembly into place while at the same time supporting the housing assembly from the backside with the other hand.

NOTE: Pressure must be applied equally over the center portion of the mirror to engage the mirror glass holder's attaching fingers to the corresponding fingers on the housing assembly. One or more clicks may be heard when finger engagement takes place.

4. Verify retention of the mirror glass holder assembly by gently pulling outward on the mirror glass holder.

GRILLE - RADIATOR

REMOVAL

GRILLE - RADIATOR

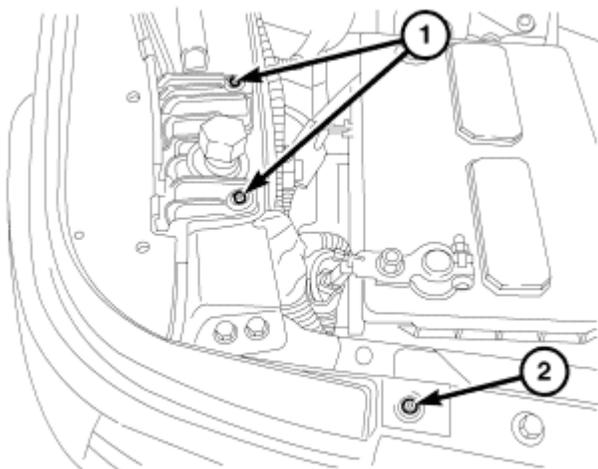


Fig. 235: Grille Torx Screws LT
Courtesy of CHRYSLER LLC

1. Remove the torx screws (1) from the grille to radiator support.
2. Remove the torx screw (2) from the grille to fender.

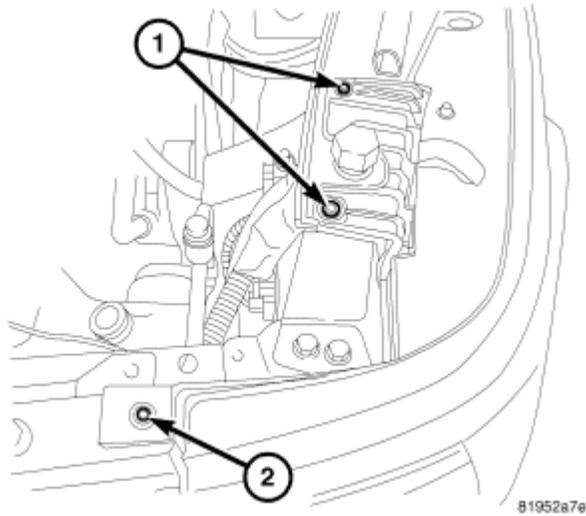


Fig. 236: Grille Torx Screws RT
Courtesy of CHRYSLER LLC

3. Raise and support the hood.
4. Remove the torx screws (1) from the grille to radiator support.
5. Remove the torx screw (2) from the grille to fender.

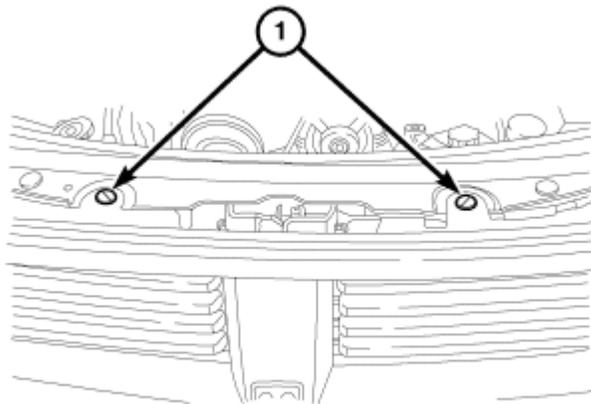
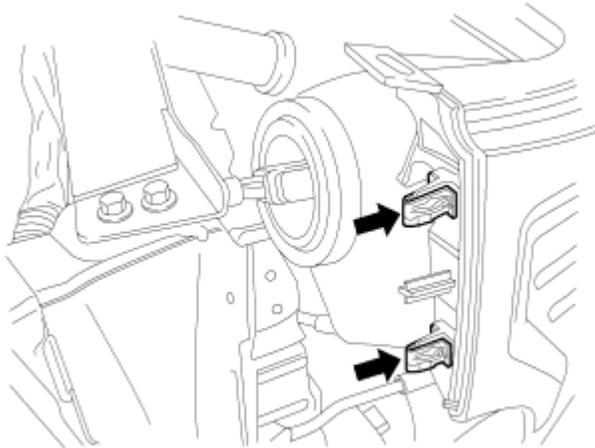


Fig. 237: Removing/Installing Grille Push Pins
Courtesy of CHRYSLER LLC

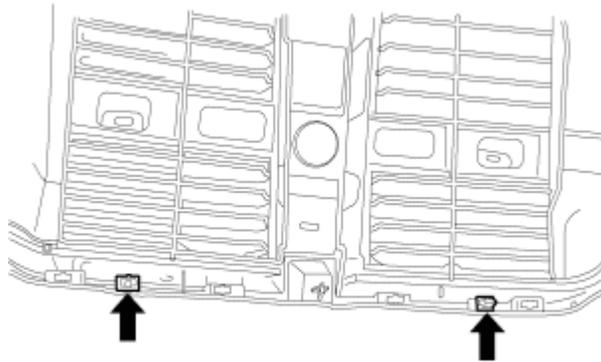
6. Remove the push pins (1) from the grille.



81953530

Fig. 238: Grille Side Fastener
Courtesy of CHRYSLER LLC

7. Carefully pull on the grille assembly to release the fasteners on both sides of the grille.
8. Remove the front lamp, side marker lamp and the turn signal lamp connectors.



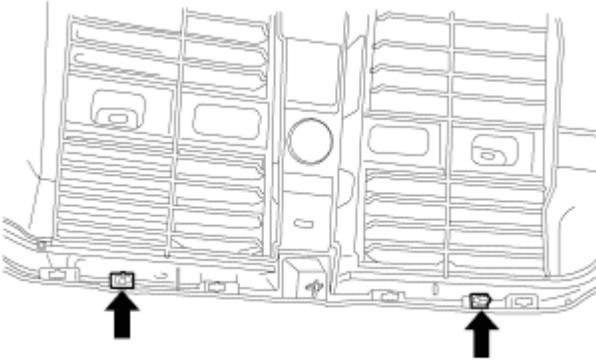
81953550

Fig. 239: Grille Lower Fastener
Courtesy of CHRYSLER LLC

9. Carefully pull on the grille assembly to release the fasteners located on the lower part of the grille.
10. Remove the front lamp units from both sides of the grille, refer to **REMOVAL** .

INSTALLATION

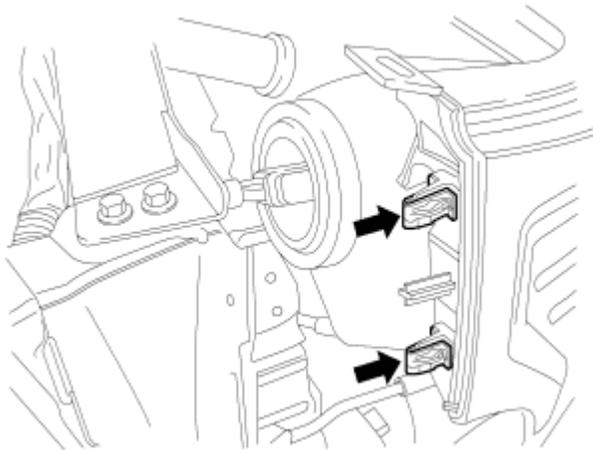
GRILLE - RADIATOR



81953550

Fig. 240: Grille Lower Fastener
Courtesy of CHRYSLER LLC

1. Install the front lamp units to both sides of the grille, refer to **INSTALLATION** .
2. Install the grille to the vehicle and connect the front lamp, side marker lamp and the turn signal lamp connectors.
3. Carefully push the lower part of the grille until the lower grille fasteners lock properly into position.

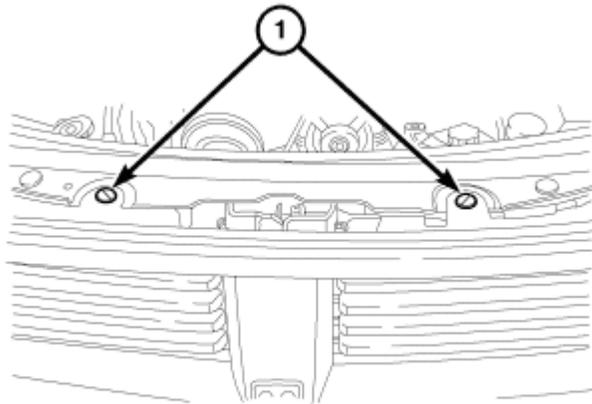


81953530

Fig. 241: Grille Side Fastener
Courtesy of CHRYSLER LLC

NOTE: This step requires proper positioning of the grille so as both side of the grille are installed at the same time.

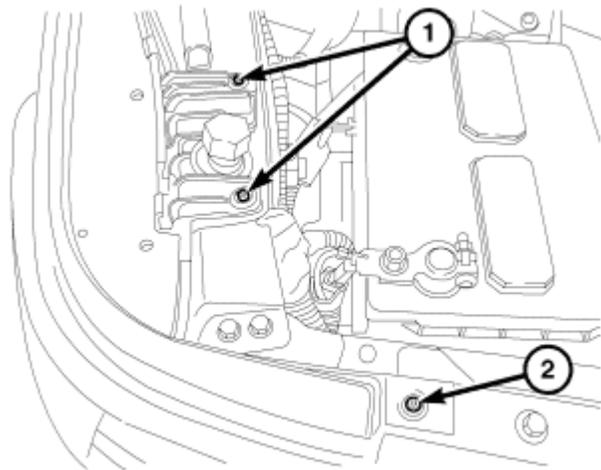
4. Position properly then carefully push the sides of the grille until the fasteners lock properly into position.



81952ab8

Fig. 242: Removing/Installing Grille Push Pins
Courtesy of CHRYSLER LLC

5. Install the push pins (1) to the grille.



81952a9c

Fig. 243: Grille Torx Screws
Courtesy of CHRYSLER LLC

6. Install the torx screw (2) to the left side of the grille and fender.
7. Install the torx screws (1) to the left side of the grille and the radiator support.

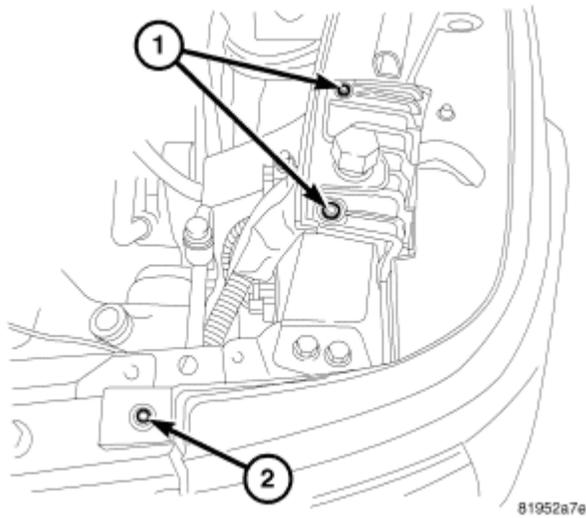


Fig. 244: Grille Torx Screws RT
Courtesy of CHRYSLER LLC

8. Install the torx screw (2) to the right side of the grille and fender.
9. Install the torx screws (1) to the right side of the grille and the radiator support.
10. Lower the hood.

MIRROR - OUTSIDE REARVIEW

REMOVAL

MIRROR - OUTSIDE REARVIEW

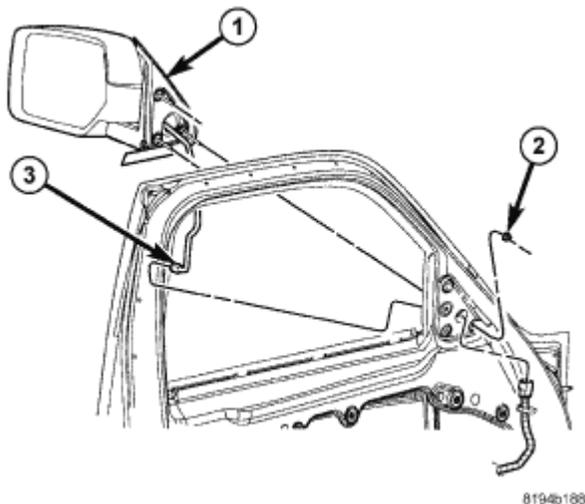


Fig. 245: Mirror Assembly, Nuts & Electrical Connector
Courtesy of CHRYSLER LLC

1 - MIRROR ASSEMBLY

- 2 - NUTS (3)
- 3 - ELECTRICAL CONNECTOR

1. Partially remove the door trim panel as necessary to gain access to the mirror. See **REMOVAL**.
2. Disconnect the electrical connector (3).
3. Remove the three nuts (2) and remove the mirror assembly (1).

INSTALLATION

MIRROR - OUTSIDE REARVIEW

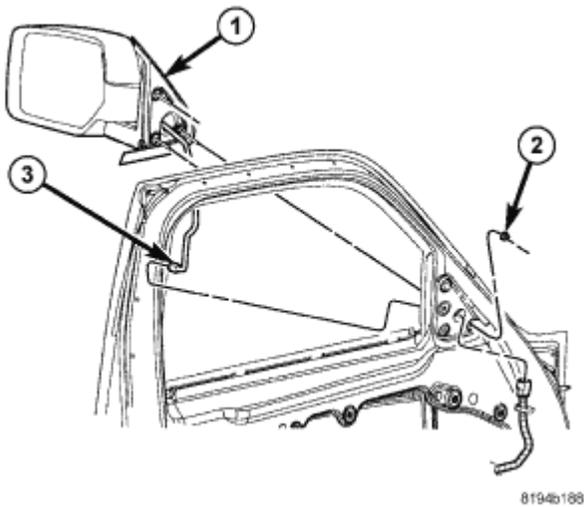


Fig. 246: Mirror Assembly, Nuts & Electrical Connector
Courtesy of CHRYSLER LLC

- 1 - MIRROR ASSEMBLY
- 2 - NUTS (3)
- 3 - ELECTRICAL CONNECTOR

1. Install the mirror assembly (1).
2. Install the three nuts (2) and tighten to 7 N.m (65 in. lbs.).
3. Connect the electrical connector (3).
4. Install the trim panel, see **INSTALLATION**.

MOLDING - FRONT AND REAR DOOR

REMOVAL

MOLDING - FRONT AND REAR DOOR

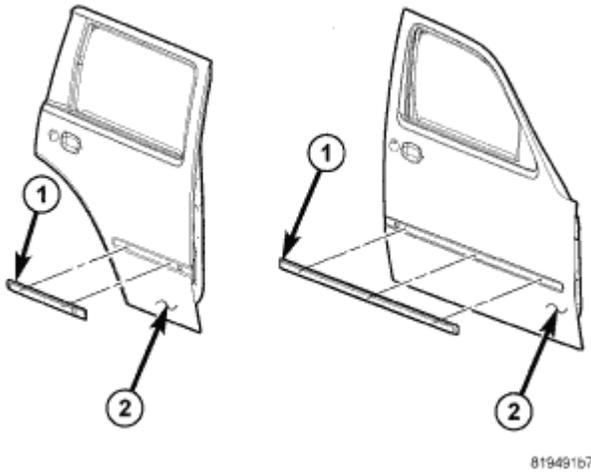


Fig. 247: Removing/Installing Front/Rear Door Molding
Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, remove and discard the molding (1) from the outside of the door (2).

INSTALLATION

MOLDING - FRONT AND REAR DOOR

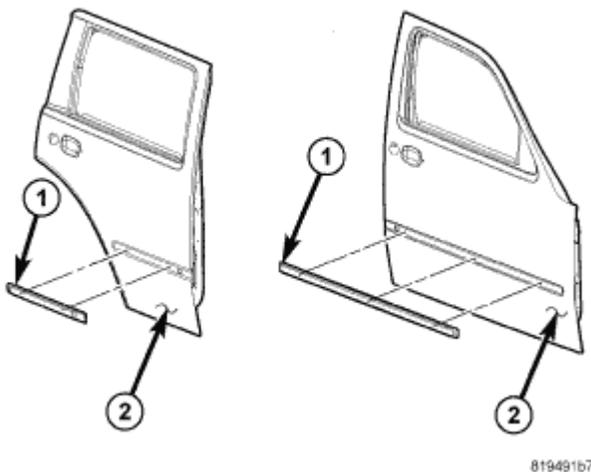


Fig. 248: Removing/Installing Front/Rear Door Molding
Courtesy of CHRYSLER LLC

1. Thoroughly clean all residue from the body side molding attachment area of the door.
2. Wipe area clean with a 50% solution of water and alcohol and wipe dry.
3. Apply new body side molding (1) using the locators in the door (2) and apply pressure of approximately 40 psi. over the entire surface of the molding.

MOLDING - FRONT WHEEL OPENING FLARE

REMOVAL

MOLDING - FRONT WHEEL OPENING FLARE

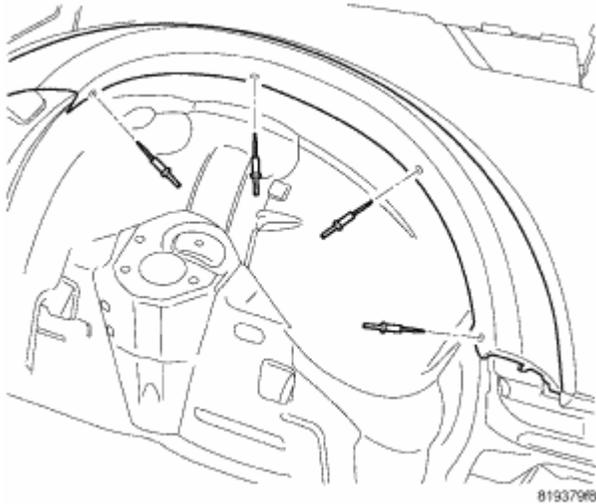


Fig. 249: Removing/Installing Rivets Connecting Fender Flare To Wheel House Liner
Courtesy of CHRYSLER LLC

1. Remove four rivets connecting the fender flare to the wheel house liner.

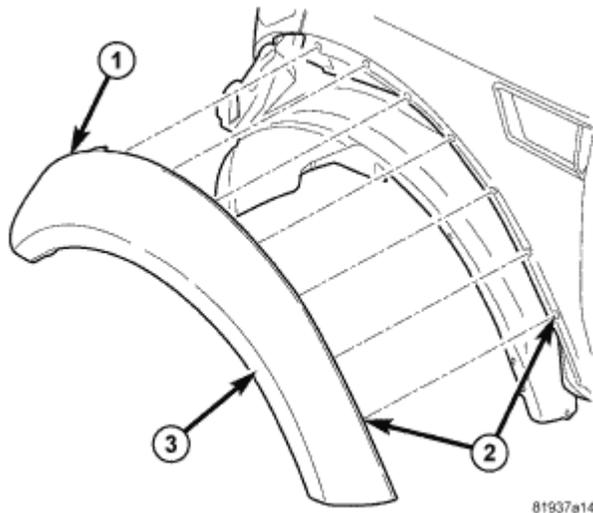


Fig. 250: Removing/Installing Fender Flare Molding
Courtesy of CHRYSLER LLC

- | |
|--|
| <ol style="list-style-type: none">1 - Front Flare Clip2 - Rear Flare Clip3 - Front Flare Molding |
|--|

2. Using a trim stick C-4755 or equivalent, separate the front flare clips from the front of the molding (1), and rear flare clips from the rear of the molding (2).
3. Remove the fender flare molding (3) from the fender.

INSTALLATION

MOLDING - FRONT WHEEL OPENING FLARE

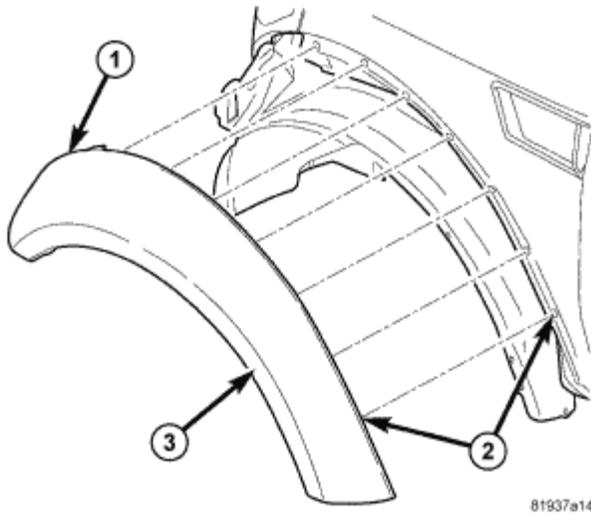


Fig. 251: Removing/Installing Fender Flare Molding
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - Front Flare Clip
2 - Rear Flare Clip
3 - Front Flare Molding |
|--|

1. Position and install the front of the molding (1) and the rear of the molding (2) to the fender.
2. Align the front fender molding (3) to the fender assembly and apply enough hand pressure in order to make sure the clips are fully seated.

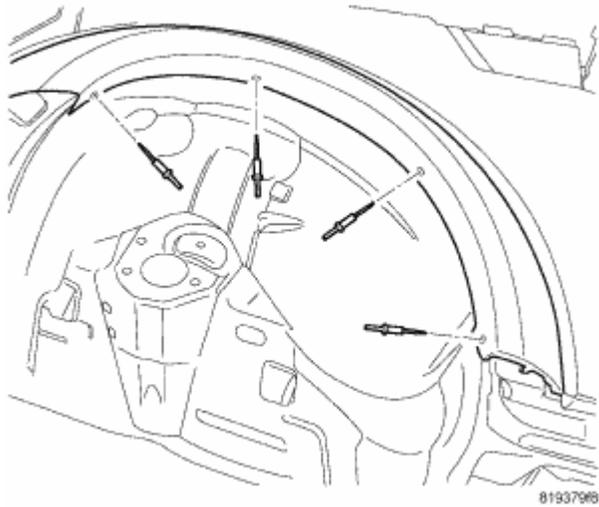


Fig. 252: Removing/Installing Rivets Connecting Fender Flare To Wheel House Liner
Courtesy of CHRYSLER LLC

3. Install four rivets connecting the front fender flare molding to the wheel house liner.

MOLDING - REAR WHEEL OPENING FLARE

REMOVAL

MOLDING - REAR WHEEL OPENING FLARE

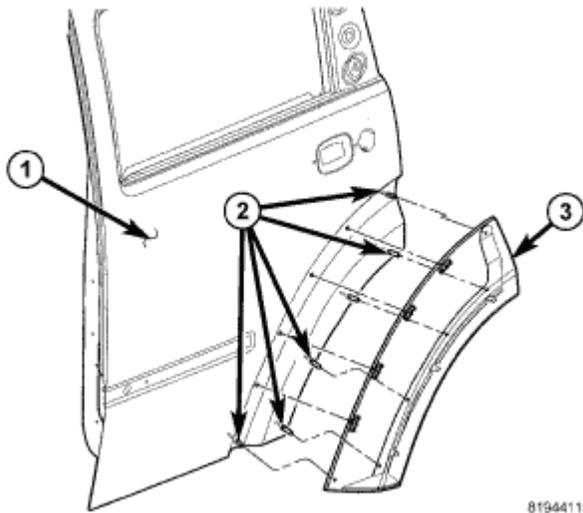


Fig. 253: Rear Wheel Flare Molding - Front
Courtesy of CHRYSLER LLC

- 1 - Door
- 2 - Rivets
- 3 - Front Flare Molding

1. Raise and support the vehicle.
2. Open the rear door and remove the rivets (2) from the inside surface of the door (1).
3. Using a trim stick C-4755 or equivalent, separate the clips attaching the molding (3) to the door (1) and remove the molding.

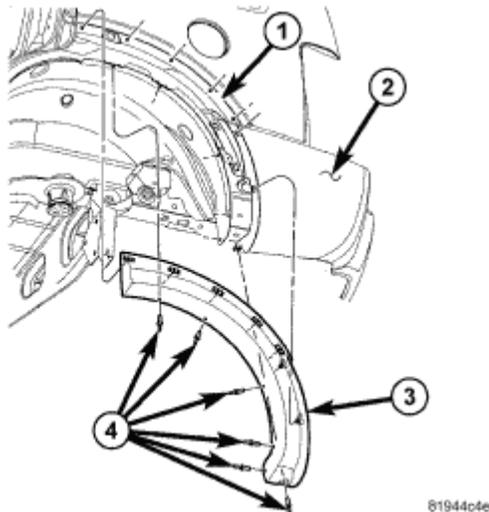


Fig. 254: Rear Wheel Flare Molding - Rear
Courtesy of CHRYSLER LLC

- | |
|---|
| 1 - Body
2 - Rear Fascia
3 - Rear Flare Molding
4 - Rivets |
|---|

4. Remove the tire and wheel in order to gain access to the rear wheel flare molding.
5. Remove the rivets (4) attaching the rear flare molding (3) to the body (1) and rear fascia (2).
6. Using a trim stick C-4755 or equivalent, separate the clips attaching the molding (3) to the body (1) and the rear fascia (2) and remove the molding.

INSTALLATION

MOLDING - REAR WHEEL OPENING FLARE

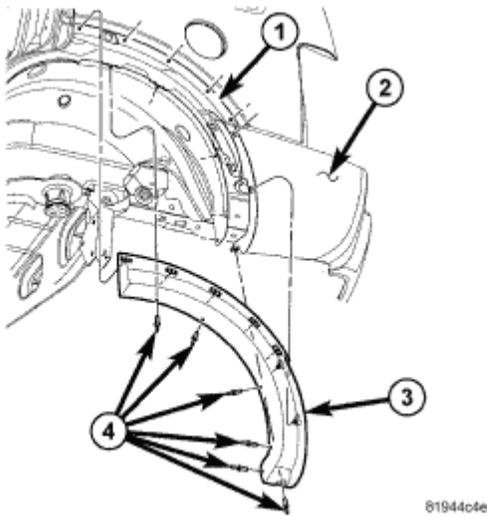


Fig. 255: Rear Wheel Flare Molding - Rear
Courtesy of CHRYSLER LLC

- 1 - Body
- 2 - Rear Fascia
- 3 - Rear Flare Molding
- 4 - Rivets

1. Position and install the molding (3) to the body (1) and the rear fascia (2), then apply enough hand pressure in order to make sure the clips are fully seated.
2. Install rivets (4) attaching the rear flare molding (3) to the wheel house liner, the body (1) and the rear fascia (2).

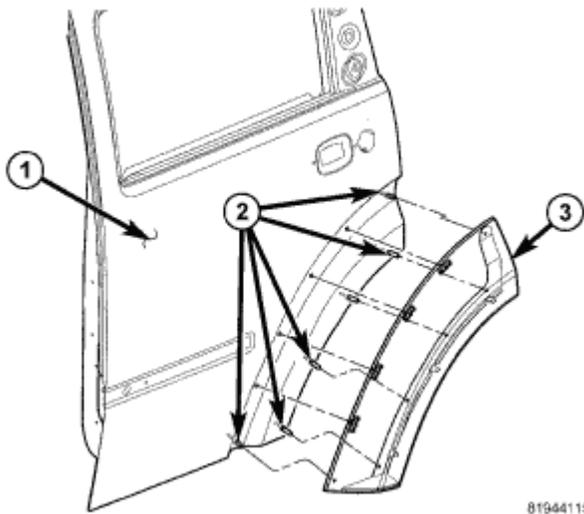


Fig. 256: Rear Wheel Flare Molding - Front
Courtesy of CHRYSLER LLC

- 1 - Door

- 2 - Rivets
- 3 - Front Flare Molding

3. Position and install the molding (3) to the door (1), then apply enough hand pressure in order to make sure the clips are fully seated.
4. Open the rear door and install rivets (2) to the inside surface of the door (1) and into the molding (3).
5. Install wheel and tire and torque the wheel nuts to 136 N.m (100 ft. lbs.).

MOLDING - SILL

REMOVAL

MOLDING - SILL

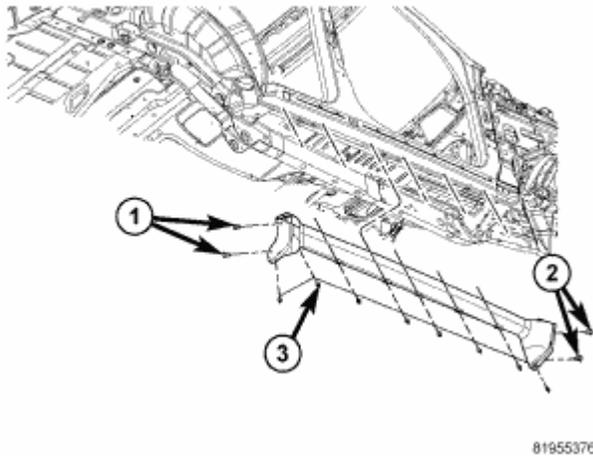
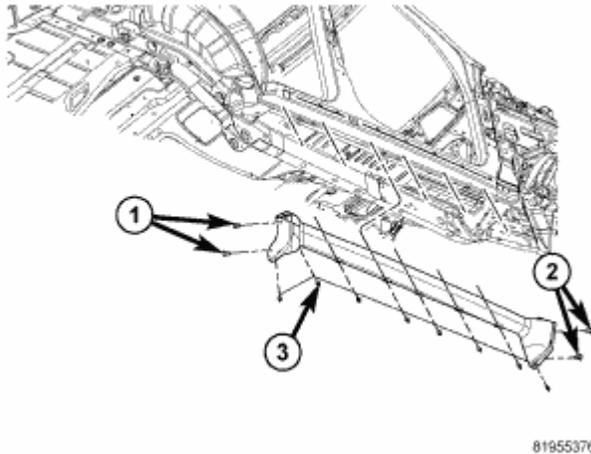


Fig. 257: Removing/Installing Sill Molding
Courtesy of CHRYSLER LLC

1. Raise and support the vehicle.
2. Use a trim tool C-4755 or equivalent, remove the push pins located at the rear wheel opening (1).
3. Remove the push pins located at the front wheel opening (2).
4. Remove the eight rivets (3) from the sill molding and remove the sill molding from the vehicle.

INSTALLATION

MOLDING - SILL



81955376

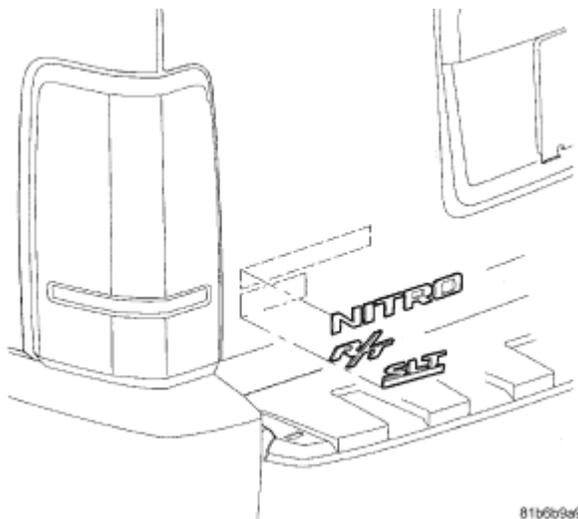
Fig. 258: Removing/Installing Sill Molding
Courtesy of CHRYSLER LLC

1. Install the sill molding to the vehicle and install the eight rivets (3) to the sill molding.
2. Install the push pins located at the front wheel opening (2).
3. Install the push pins located at the rear wheel opening (1).

NAME PLATES - EXTERIOR

REMOVAL

NAME PLATES - EXTERIOR



81b6b9a9

Fig. 259: Identifying Name Plate (1 Of 2)
Courtesy of CHRYSLER LLC

1. Apply a length of masking tape on the body, parallel to the top edge of the nameplate to use as a guide, if necessary.

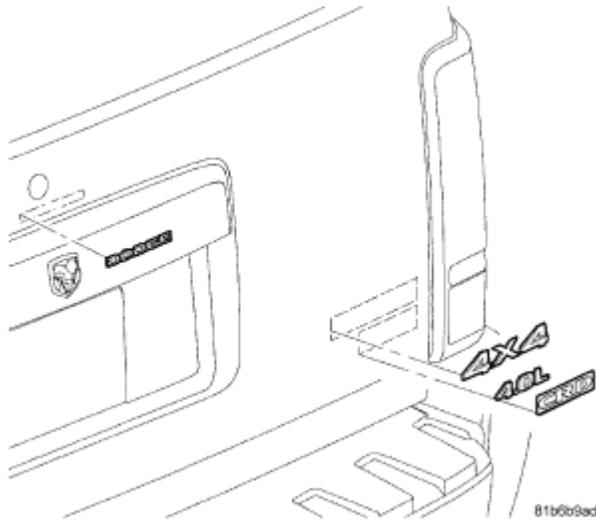


Fig. 260: Identifying Name Plate (2 Of 2)
Courtesy of CHRYSLER LLC

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

NOTE: Exterior nameplates are attached to body panels with adhesive tape.

3. If temperature is below 21°C (70°F) warm emblem with a heat lamp or gun. Do not exceed 52°C (120°F) when heating emblem.

CAUTION: Use care when separating the emblem from the body surface to avoid scratching the paint.

4. Using a trim stick C-4755 or equivalent, behind the emblem to separate the adhesive backing from the body.
5. Clean adhesive residue from body with MOPAR® Super Clean solvent or equivalent.

INSTALLATION

NAME PLATES - EXTERIOR

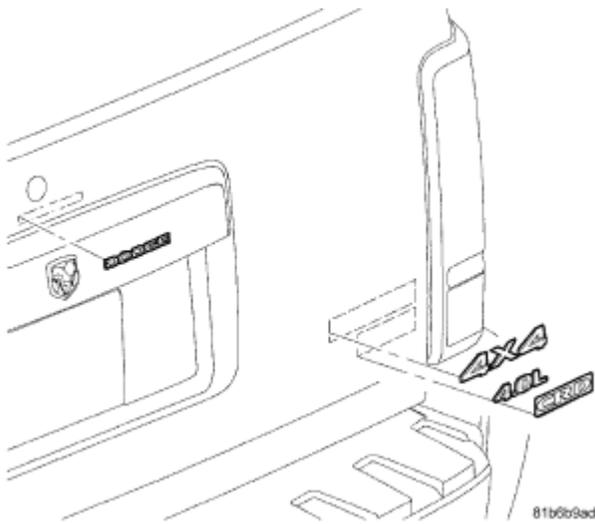


Fig. 261: Identifying Name Plate (2 Of 2)
Courtesy of CHRYSLER LLC

NOTE: Before applying the emblem, clean the body surface with MOPAR® Super Kleen solvent or equivalent.

1. Remove protective cover from adhesive tape on back of emblem.
2. Position the correct emblem properly on the body.

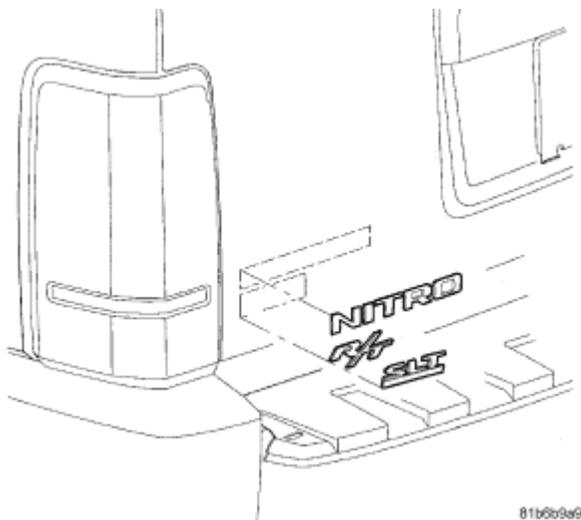


Fig. 262: Identifying Name Plate (1 Of 2)
Courtesy of CHRYSLER LLC

3. Position the correct emblem properly on the body.
4. Press emblem firmly to the body with the palm of hand.
5. 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.

PANEL - A-PILLAR

REMOVAL

PANEL - A-PILLAR

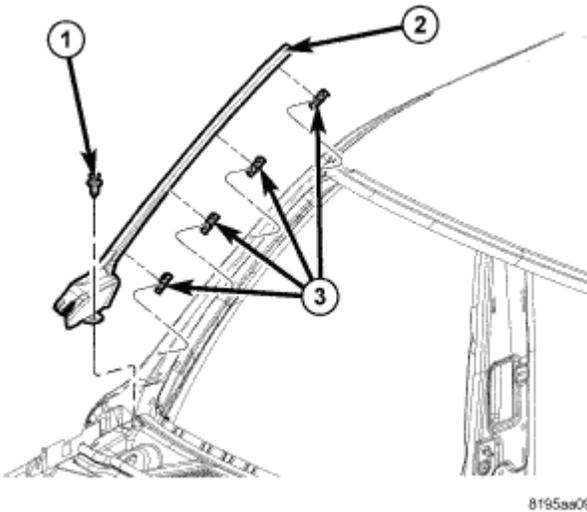


Fig. 263: Push Pin, Windshield A-Pillar Molding & Clips
Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, remove the push pin (1).
2. Remove the windshield A-pillar molding (2) and clips (3) from the windshield A-pillar.

INSTALLATION

PANEL - A-PILLAR

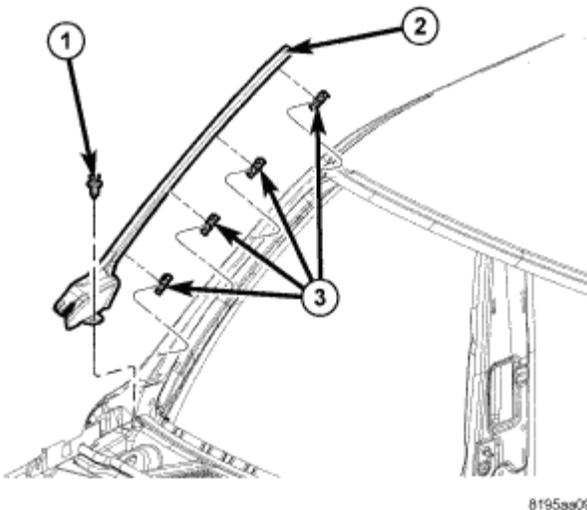


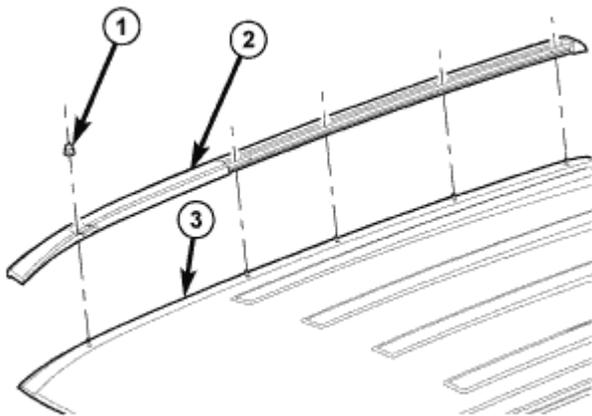
Fig. 264: Push Pin, Windshield A-Pillar Molding & Clips
Courtesy of CHRYSLER LLC

1. Install the windshield A-pillar molding (2) and clips (3) to the windshield A-pillar.
2. Install the push pin (1).

RACK - LUGGAGE

REMOVAL

RACK - LUGGAGE



8194bb91

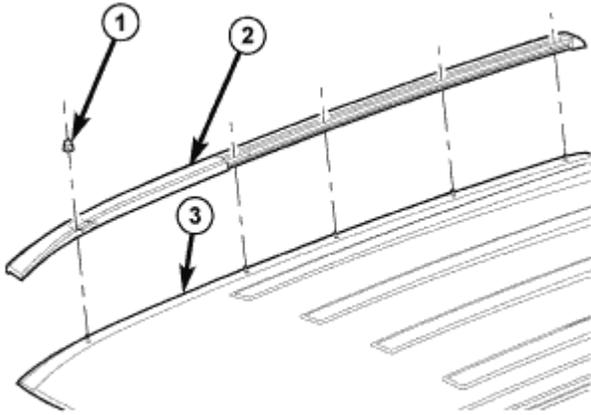
Fig. 265: Roof Rack Assembly
Courtesy of CHRYSLER LLC

- | |
|---------------------------------------|
| 1 - Nuts
2 - Roof Rack
3 - Roof |
|---------------------------------------|

1. Remove the five nuts (1) from the roof rack (2).
2. Remove the roof rack (2) from the roof (3).

INSTALLATION

RACK - LUGGAGE



8194bb91

Fig. 266: Roof Rack Assembly
Courtesy of CHRYSLER LLC

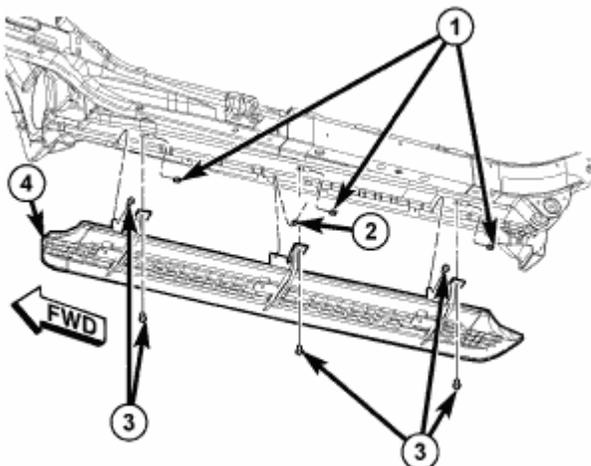
- 1 - Nuts
- 2 - Roof Rack
- 3 - Roof

1. Carefully install the roof rack (2) to the roof (3).
2. Install five nuts (1) and tighten the nuts to 6.2 N.m (55 in. lbs.).

RUNNING BOARD - FULL

REMOVAL

RUNNING BOARD - FULL



819b034b

Fig. 267: Running Board
Courtesy of CHRYSLER LLC

1. Remove the running board bolts (3).
2. Remove the running board nut (2).
3. Remove the running board (4) from the vehicle.
4. Remove the u-clip fasteners (1) from the vehicle body.

INSTALLATION

RUNNING BOARD - FULL

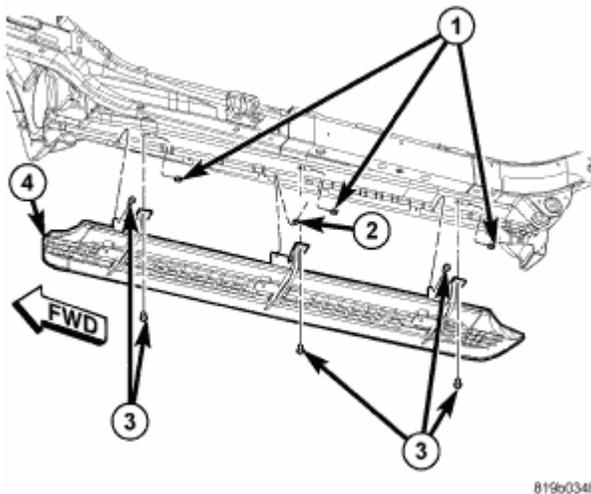


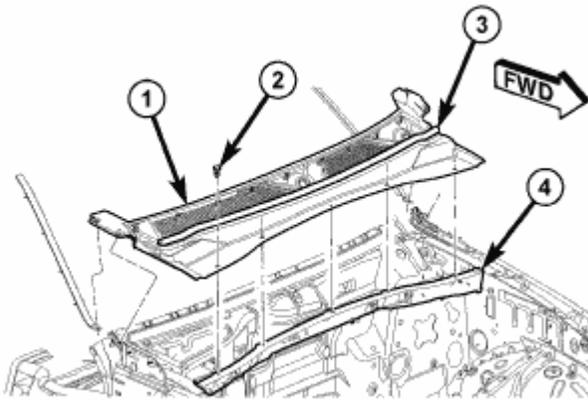
Fig. 268: Running Board
Courtesy of CHRYSLER LLC

1. Install the u-clip fasteners (1) to the vehicle body.
2. Install the running board (4) and the nut (2) to the vehicle.
3. Install the running board bolts (3). Tighten the running board bolts (3) and nut (2) to 25 N.m (18.5 ft. lbs.).

SCREEN - TOP COWL

REMOVAL

SCREEN - TOP COWL



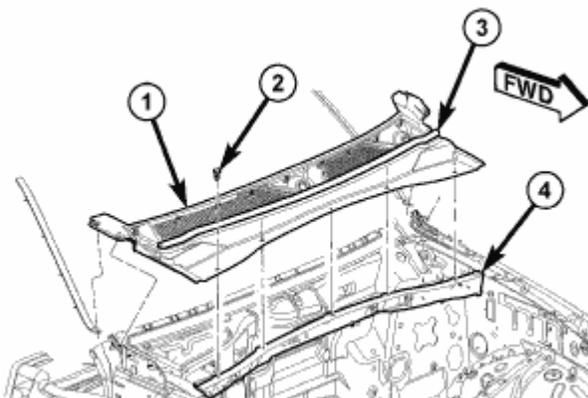
6194dc06

Fig. 269: Cowl Grille, Push Pins, Hood Seal & Body
Courtesy of CHRYSLER LLC

1. Remove the wiper arms, refer to **REMOVAL** .
2. Remove the hood seal (3).
3. Use a trim stick C-4755 or equivalent, separate the cover assembly from the A-pillar.
4. Remove the push pins (2) and remove the cowl grille (1) from the body (4).

INSTALLATION

SCREEN - TOP COWL



6194dc06

Fig. 270: Cowl Grille, Push Pins, Hood Seal & Body
Courtesy of CHRYSLER LLC

1. Position the cowl grille (1) and engage the clips to the bottom of the windshield.
2. Install the push pins (2) through the cowl grille (1) and into the body (4).

3. Install the hood seal (3).
4. Install the wiper arms, refer to **INSTALLATION** .

SHIELD - FRONT WHEELHOUSE SPLASH

REMOVAL

SHIELD - FRONT WHEELHOUSE SPLASH

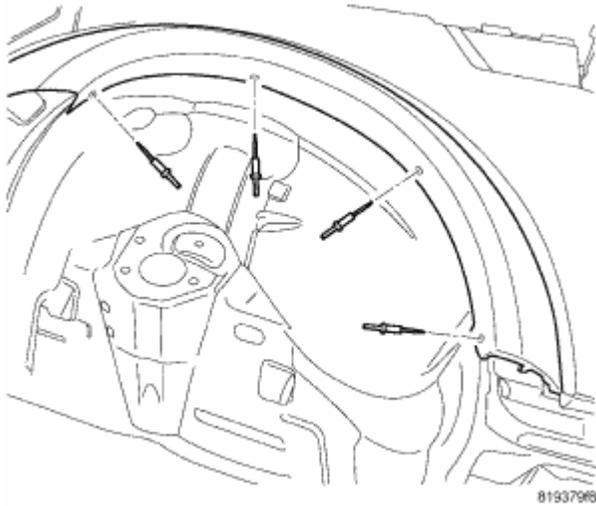


Fig. 271: Removing/Installing Rivets Connecting Fender Flare To Wheel House Liner
Courtesy of CHRYSLER LLC

1. Raise and support the vehicle, refer to **STANDARD PROCEDURE** .
2. Remove the wheel and tire to gain access to the front wheel house liner.
3. Carefully remove four rivets from the front fender flare molding.

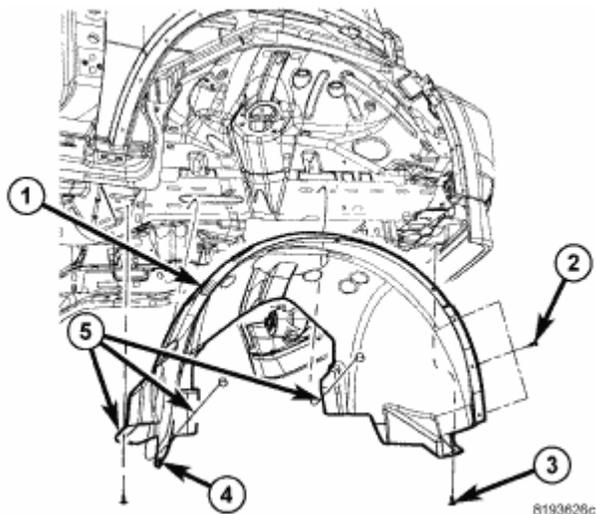


Fig. 272: Front Wheel House Splash Shield

Courtesy of CHRYSLER LLC

- 1 - FRONT WHEEL HOUSE LINER
- 2 - PUSH PINS
- 3 - RIVET
- 4 - PUSH PIN
- 5 - PUSH PINS

4. Remove the rivet (3) securing the wheel house liner to the lower front fascia.
5. Remove all push pins from wheel house liner.
6. Remove the wheel speed sensor harness from the wheel house liner.
7. Remove front wheel house liner from front wheel house opening.

INSTALLATION

SHIELD - FRONT WHEELHOUSE SPLASH

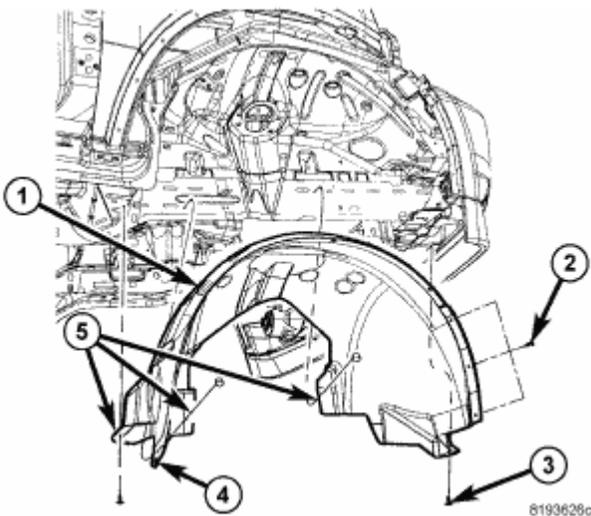


Fig. 273: Front Wheel House Splash Shield
Courtesy of CHRYSLER LLC

- 1 - FRONT WHEEL HOUSE LINER
- 2 - PUSH PINS
- 3 - RIVET
- 4 - PUSH PIN
- 5 - PUSH PINS

1. Install front wheel house liner (1) into front wheel house opening.
2. Install the wheel speed sensor harness to the wheel house liner.
3. Align and install three push pins (5) into holes in the wheel house liner and fender inner wheelhouse.
4. Align and install three push pins (2) into holes in the wheel house liner and front fascia.

5. Install the rivet (4) connecting the splash shield to the side sill molding.
6. Install all remaining push pins.
7. Install the rivet (3) into the hole in the wheel house liner and lower front fascia.

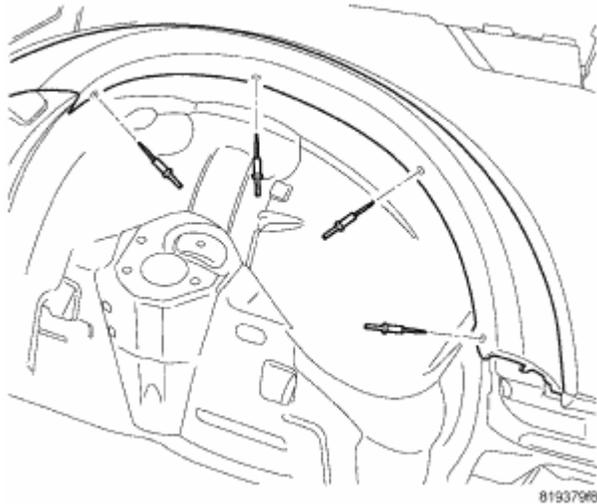


Fig. 274: Removing/Installing Rivets Connecting Fender Flare To Wheel House Liner
Courtesy of CHRYSLER LLC

8. Install four rivets to the front fender flare molding, wheel house liner and the fender.
9. Install wheel and tire and torque the wheel nuts to 136 N.m (100 ft. lbs.).

SHIELD - REAR WHEELHOUSE SPLASH

REMOVAL

SHIELD - REAR WHEELHOUSE SPLASH

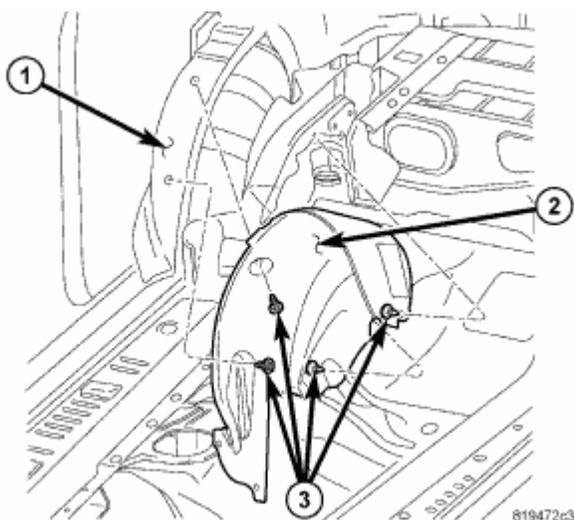


Fig. 275: Rear Wheelhouse Splash Shield

Courtesy of CHRYSLER LLC

1. Remove the rear wheel flare molding, see **REMOVAL**.
2. Remove the two push pins securing the sill plate molding to the wheel liner and body.
3. Remove the four push pins (3) at the wheelhouse opening (1).
4. Remove the wheel liner (2) from the wheelhouse opening (1).

INSTALLATION

SHIELD - REAR WHEELHOUSE SPLASH

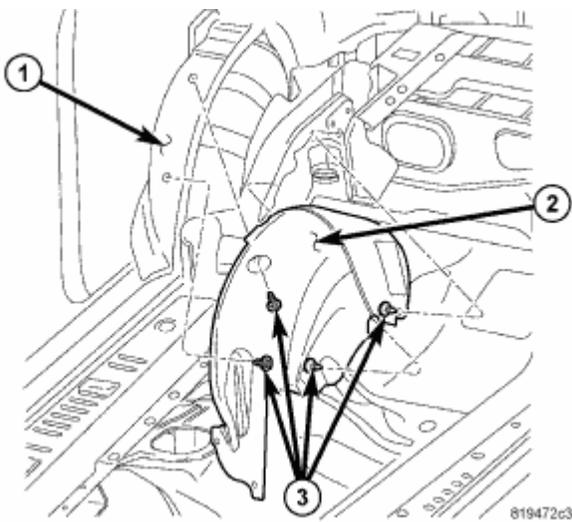


Fig. 276: Rear Wheelhouse Splash Shield

Courtesy of CHRYSLER LLC

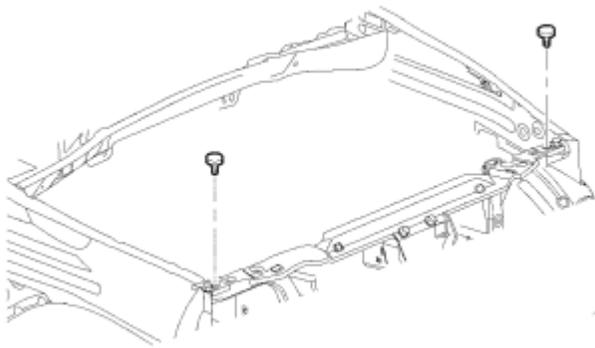
1. Install the wheel house liner (2) to the wheel house opening (1).
2. Install the four push pins (3) to the wheel house liner (2).
3. Install the two push pins securing the sill plate molding and the wheel house liner to the body.
4. Install the rear wheel flare molding, see **INSTALLATION**.

HOOD

BUMPER - HOOD

REMOVAL

BUMPER - HOOD



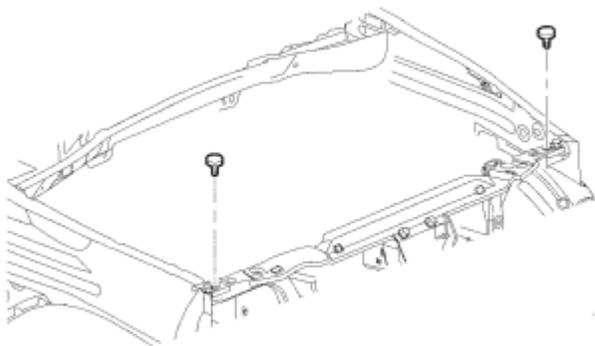
819ac9de

Fig. 277: Hood Adjustment Bumper
Courtesy of CHRYSLER LLC

1. Remove the hood adjustment bumpers.

INSTALLATION

BUMPER - HOOD



819ac9de

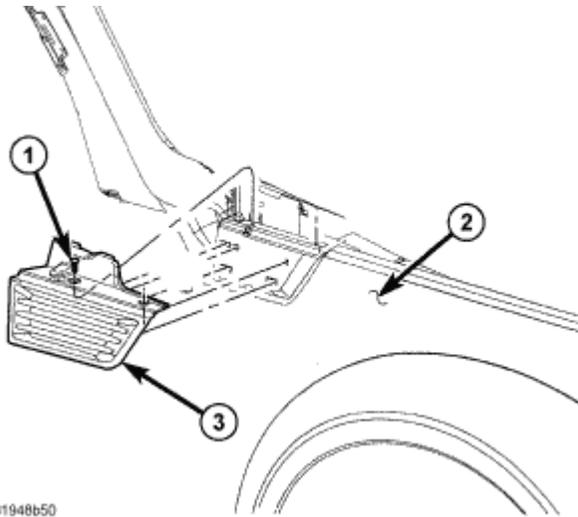
Fig. 278: Hood Adjustment Bumper
Courtesy of CHRYSLER LLC

1. Install the hood adjustment bumpers. Make sure there are no excessive gaps between the areas around the hood, adjust as necessary, see **SPECIFICATIONS**.

HINGE - HOOD

REMOVAL

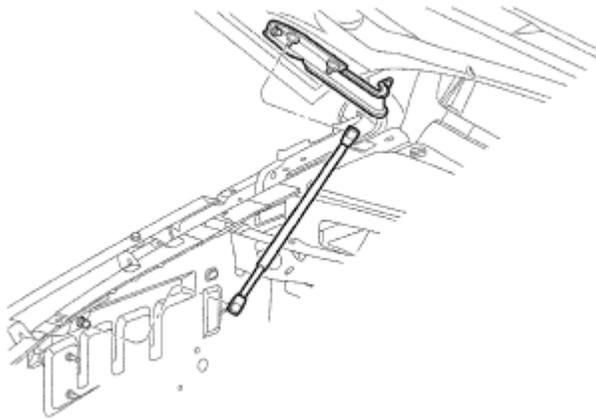
HINGE - HOOD



81948b50

Fig. 279: Screws, Fender & Applique
Courtesy of CHRYSLER LLC

1. Raise and support the hood.
2. Remove the two screws (1) from the fender applique.
3. Use a trim stick C-4755 or equivalent, separate the fender applique (3) from the fender (2).

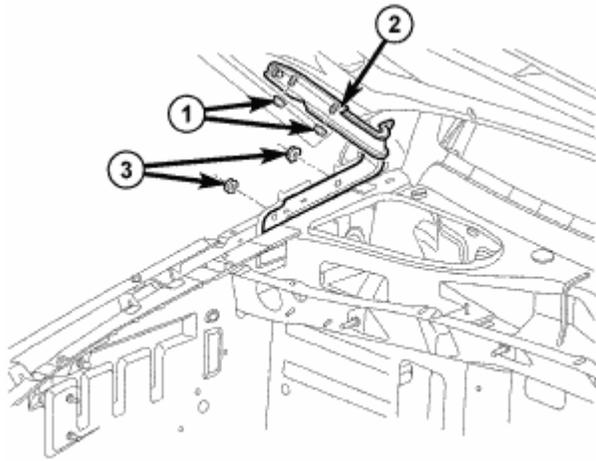


8194f9d7

Fig. 280: Support Cylinder
Courtesy of CHRYSLER LLC

NOTE: It is not necessary to remove the hood to replace one or both hinges. The hinges can be replaced one at a time.

4. Remove hood support cylinder, see **REMOVAL**.



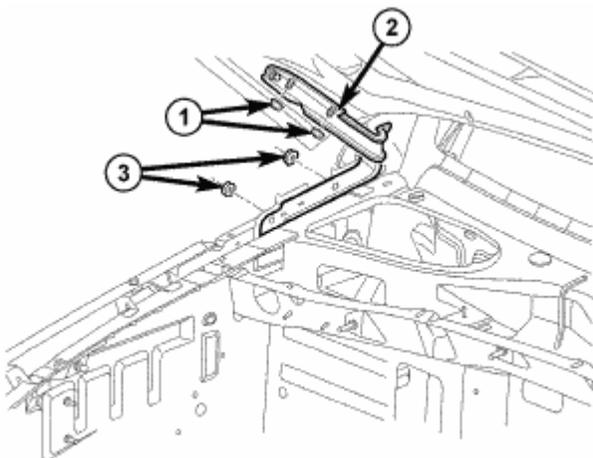
8194e9e1

Fig. 281: Hood Hinge
Courtesy of CHRYSLER LLC

5. Using a grease pencil or equivalent, mark position of hinge (2).
6. Remove nuts (3) attaching hinge (2) to the body.
7. Remove nuts (1) attaching hinge (2) to hood.
8. Remove hinge (2) from the vehicle.

INSTALLATION

HINGE - HOOD

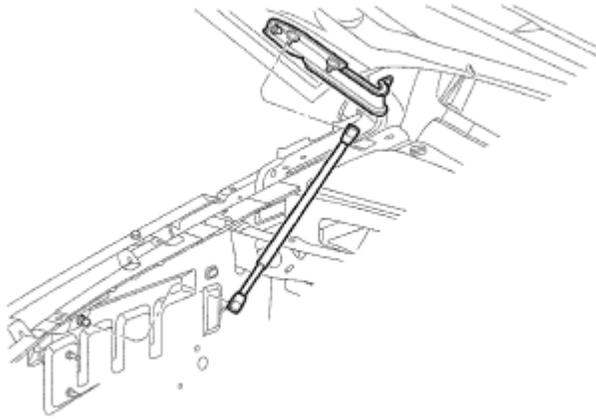


8194e9e1

Fig. 282: Hood Hinge
Courtesy of CHRYSLER LLC

1. Install the hinge (2) to the vehicle use the reference position made during removal.
2. Install nuts (3) attaching hinge (2) to the body and tighten to 20 N.m (15 ft. lbs.).

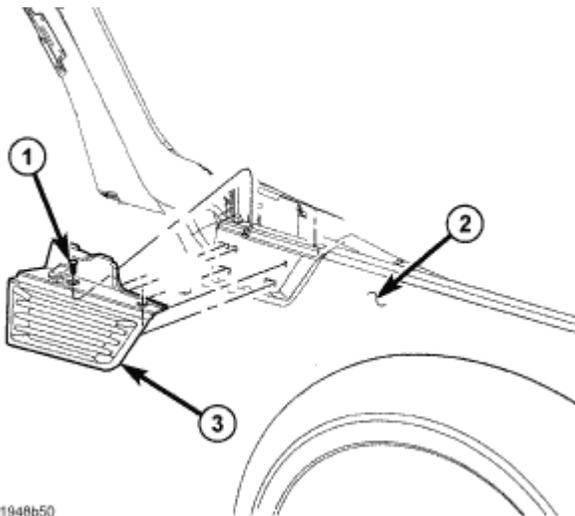
3. Install nuts (1) attaching hinge (2) to hood and tighten to 20 N.m (15 ft. lbs.).



8194f9d7

Fig. 283: Support Cylinder
Courtesy of CHRYSLER LLC

4. Install hood support cylinder, see INSTALLATION.



81948b50

Fig. 284: Screws, Fender & Applique
Courtesy of CHRYSLER LLC

5. Install the two screws (1) to the fender applique.

HOOD

REMOVAL

HOOD

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

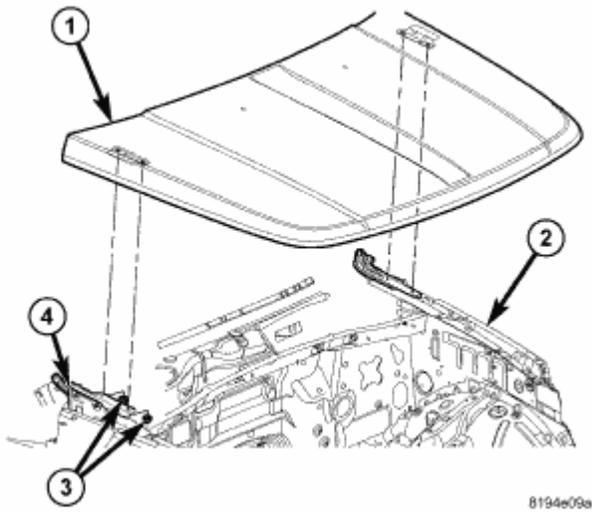


Fig. 285: Removing/Installing Hood
Courtesy of CHRYSLER LLC

WARNING: Before removal of the nuts on the hood hinges get a helper to hold the hood in position to keep from the hood falling from the vehicle causing personal injury and/or damage to the vehicle.

NOTE: Use a grease pencil or equivalent, mark location of hood hinges on the hood for installation and alignment purposes.

1. Remove nuts (3) attaching hinges (4) to hood (1).
2. With the aid of a helper, remove hood from vehicle.

INSTALLATION

HOOD

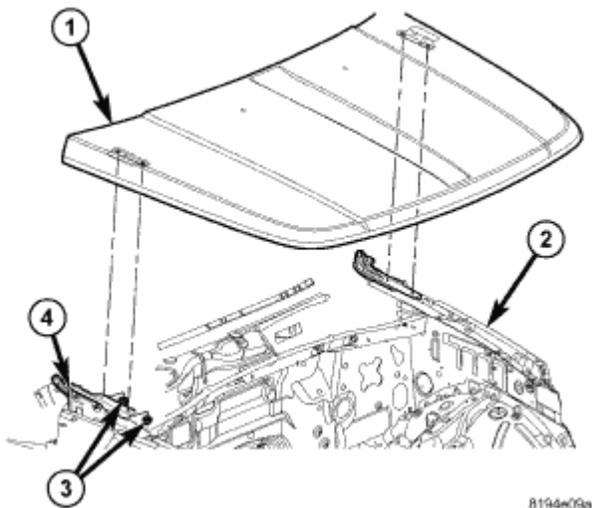


Fig. 286: Removing/Installing Hood
Courtesy of CHRYSLER LLC

1. With the aid of a helper, position hood (1) onto the hinges (4).
2. Install nuts (3) finger-tight.
3. Align hinges with installation reference marks made previously and tighten bolts to 20 N.m (15 ft. lbs.).
4. Inspect hood for proper alignment and adjust as necessary, see **ADJUSTMENTS**.

ADJUSTMENTS

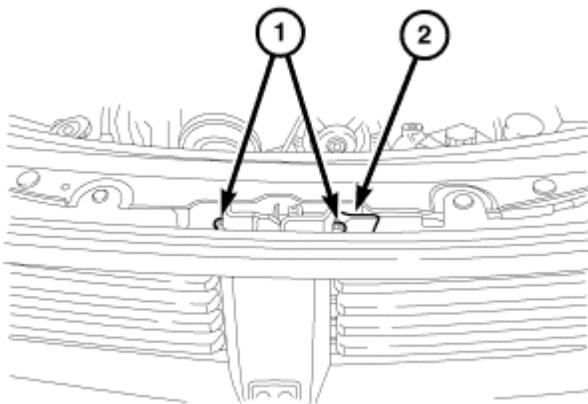
HOOD

1. If hood is low in relation to cowl panel, insert shims between hinge and hood.
2. Adjust hood bumper in or out to adjust hood-to-fender height alignment.
3. Adjust the hood latch as necessary. Tighten the bolts to 13.5 N.m (10 ft. lbs.).
4. Align the latch striker so that striker enters the latch squarely and without binding.

LATCH - HOOD

REMOVAL

LATCH - HOOD



81951996

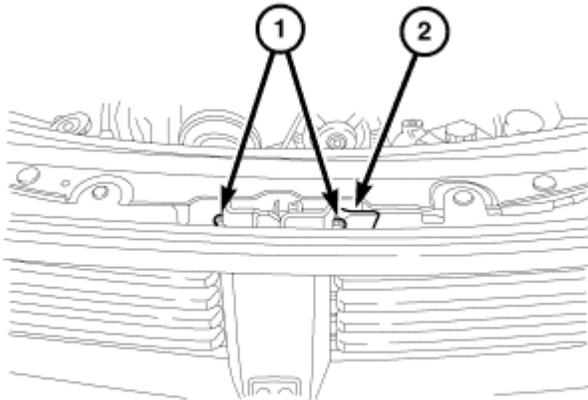
Fig. 287: Release Cable & Bolts
Courtesy of CHRYSLER LLC

NOTE: Mark the location of the latch with a grease marker prior to removal from the vehicle.

1. Remove the bolts (1) from the latch.
2. Disconnect the release cable (2) and remove the latch from the vehicle.

INSTALLATION

LATCH - HOOD



81951996

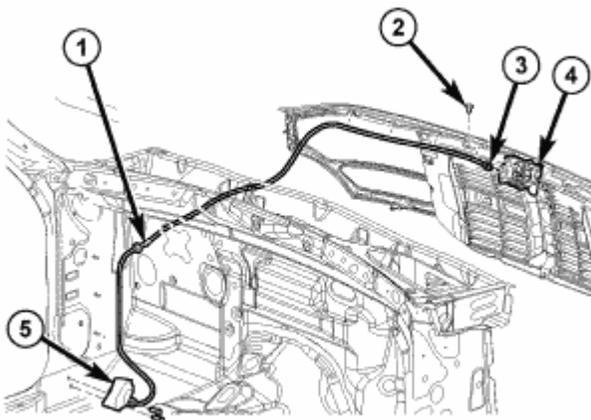
Fig. 288: Release Cable & Bolts
Courtesy of CHRYSLER LLC

1. Install the latch to the vehicle in the same position noted during removal.
2. Install the bolts (1) and tighten to 13.5 N.m (10 ft. lbs.).
3. Attach the latch release cable (2) to the latch.

RELEASE - HOOD LATCH

REMOVAL

RELEASE - HOOD LATCH



8195167c

Fig. 289: Latch Release Cable

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

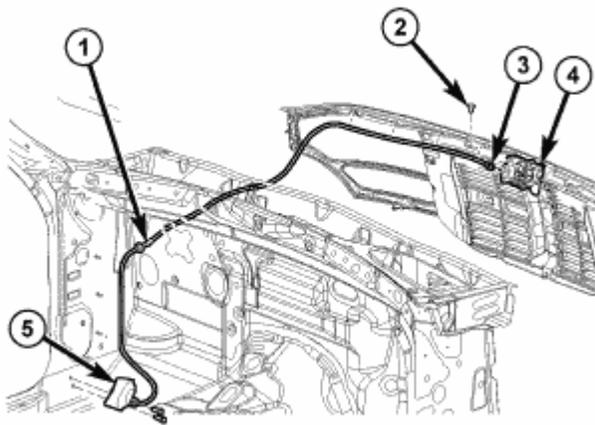
Courtesy of CHRYSLER LLC

- 1 - Grommet
- 2 - Push Pin
- 3 - Latch Release Cable
- 4 - Hood Latch
- 5 - Latch Release Handle

1. Remove the latch release cable (3) from the latch (4).
2. Remove the push pin (2) from the grille, carefully remove the latch release cable from under the grille and from the retaining tabs on the grille.
3. Remove the cowl trim cover.
4. Remove the bolts from the hood latch handle (5).
5. Pull from the inside of the vehicle to remove the cable. Disconnect any remaining attaching clips and pull the cable grommet (1) and cable from the body.

INSTALLATION

RELEASE - HOOD LATCH



8195167c

Fig. 290: Latch Release Cable
Courtesy of CHRYSLER LLC

- 1 - Grommet
- 2 - Push Pin
- 3 - Latch Release Cable
- 4 - Hood Latch
- 5 - Latch Release Handle

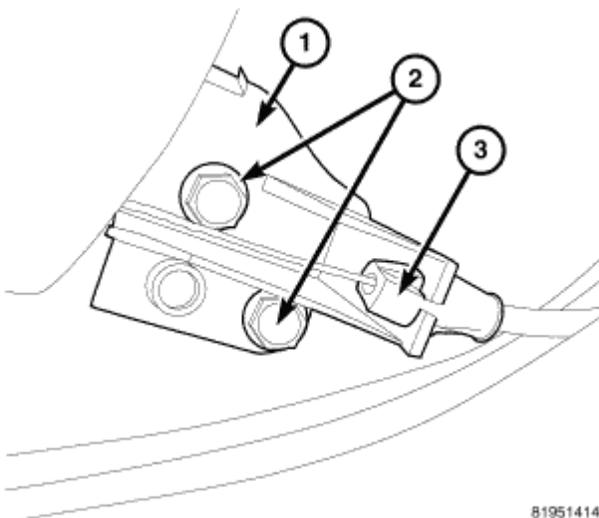
NOTE: Lubricate the grommet with soapy water to ease with installation of the latch

release cable to the body.

1. Install the latch release cable (1) through the opening in the body from the inside of the vehicle. Pull from the engine compartment until the grommet is seated properly in the body.

NOTE: Route the latch release cable in the same position as noted during removal.

2. Install the latch release cable to the grille retaining tabs, carefully route under the push pin (2) connection on the grille.
3. Install the push pin (2) to the grille.
4. Install the latch release cable (3) to the latch (4).
5. Install the bolts to the hood latch handle (5) and tighten to 4 N.m (33 in. lbs.).
6. Install the cowl trim cover.

RELEASE - HOOD LATCH HANDLE**REMOVAL****RELEASE - HOOD LATCH HANDLE**

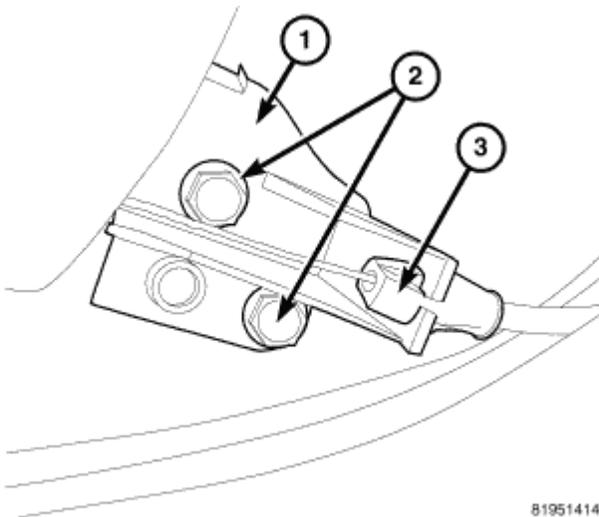
81951414

Fig. 291: Latch Release Handle
Courtesy of CHRYSLER LLC

1. Remove the cowl trim panel, see **REMOVAL**.
2. Remove the two bolts (2) from the handle (1).
3. Disconnect the hood release cable (3) from the handle (1).
4. Remove the handle (1) from the vehicle.

INSTALLATION

RELEASE - HOOD LATCH HANDLE



81951414

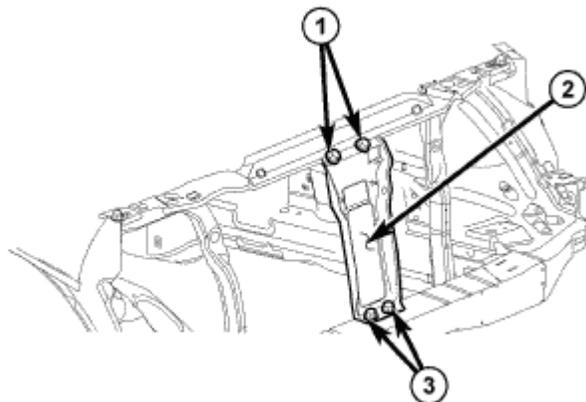
Fig. 292: Latch Release Handle
Courtesy of CHRYSLER LLC

1. Install the hood release cable (3) to the handle (1).
2. Install the two bolts (2) to the handle (1) and tighten to 4 N.m (33 in. lbs.)
3. Install the cowl trim cover, see **INSTALLATION**.

BRACKET - LATCH SUPPORT

REMOVAL

BRACKET - LATCH SUPPORT



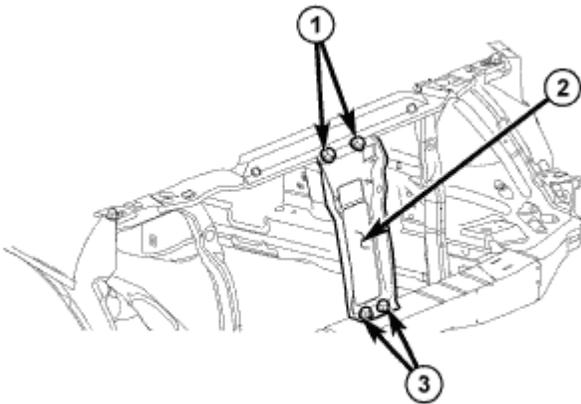
819983fe

Fig. 293: Latch Support
Courtesy of CHRYSLER LLC

1. Remove the grille, see **REMOVAL**.
2. Remove the latch from the latch support, see **REMOVAL**.
3. Remove the upper bolts (1) and the lower bolts (3) from the latch support (2).
4. Remove the latch support (2) from the vehicle.

INSTALLATION

BRACKET - LATCH SUPPORT



819983fe

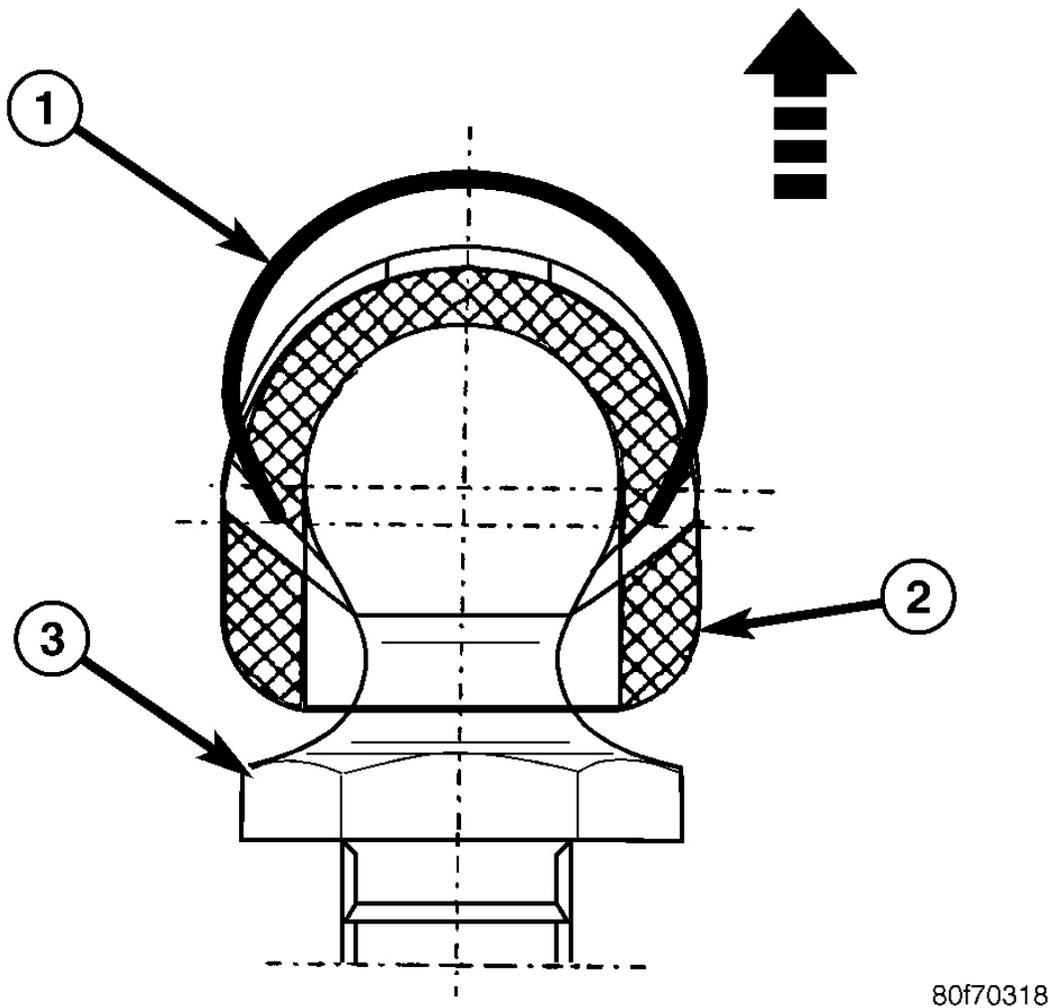
Fig. 294: Latch Support
Courtesy of CHRYSLER LLC

1. Install the latch support (2) to the vehicle.
2. Install the upper bolts (1) and the lower bolts (3) to the latch support (2) and tighten to 8.5 N.m (75 in. lbs.).
3. Install the latch to the latch support, see **INSTALLATION**.
4. Install the grille, see **INSTALLATION**.

SUPPORT - HOOD LATCH

REMOVAL

SUPPORT - HOOD LATCH



80f70318

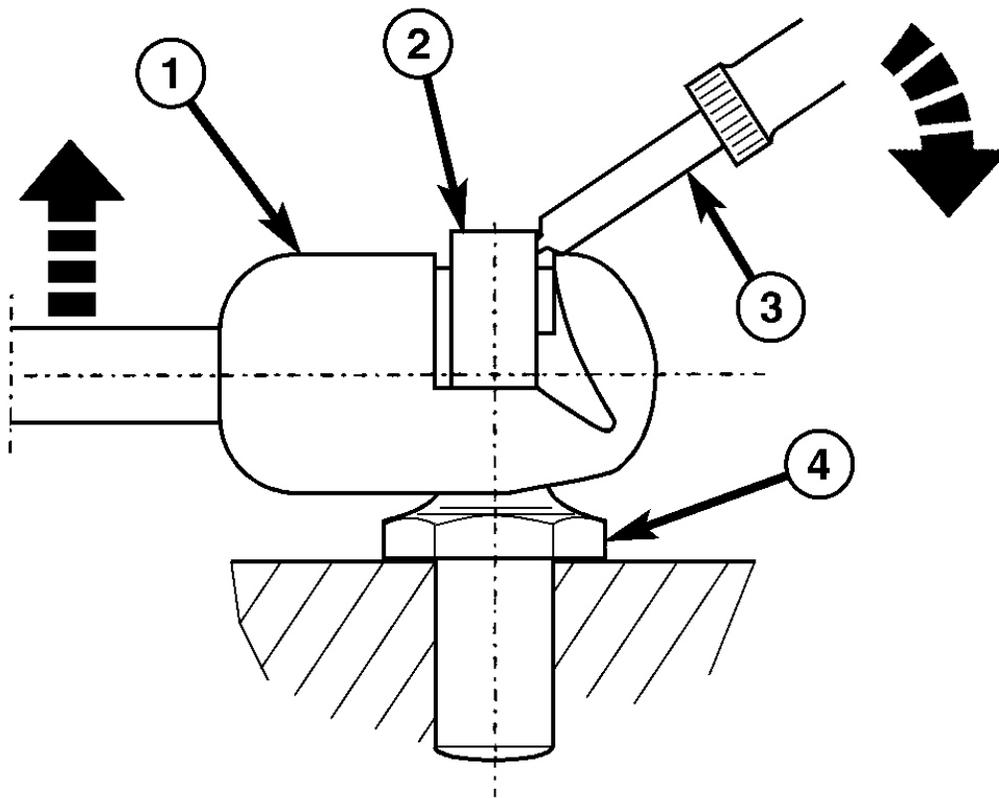
Fig. 295: Removing/Installing Upper Support Cylinder Retaining Clip
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - RETAINING CLIP
2 - BALL SOCKET
3 - BALL STUD |
|--|

NOTE: The support cylinders can be replaced one at a time.

1. Open and support the hood.

NOTE: Lift the clips only enough to release the ball studs.

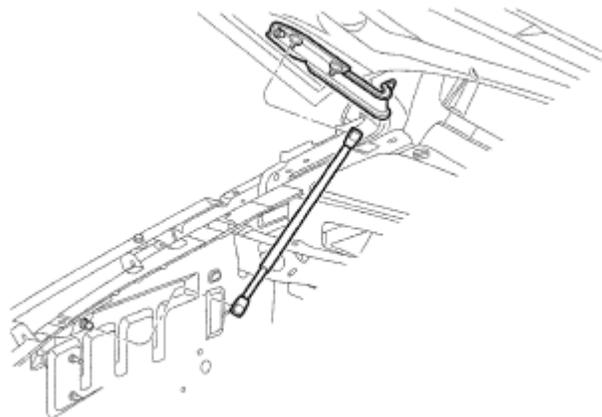


80f70308

Fig. 296: Removing/Installing Support Cylinder - Ball Socket - Typical
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - BALL SOCKET
2 - RETAINING CLIP
3 - FLAT BLADED TOOL
4 - BALL STUD |
|--|

2. Using a small flat bladed tool, or equivalent, release the upper retaining clips while pulling the ball socket away from the ball stud.



8194f9d7

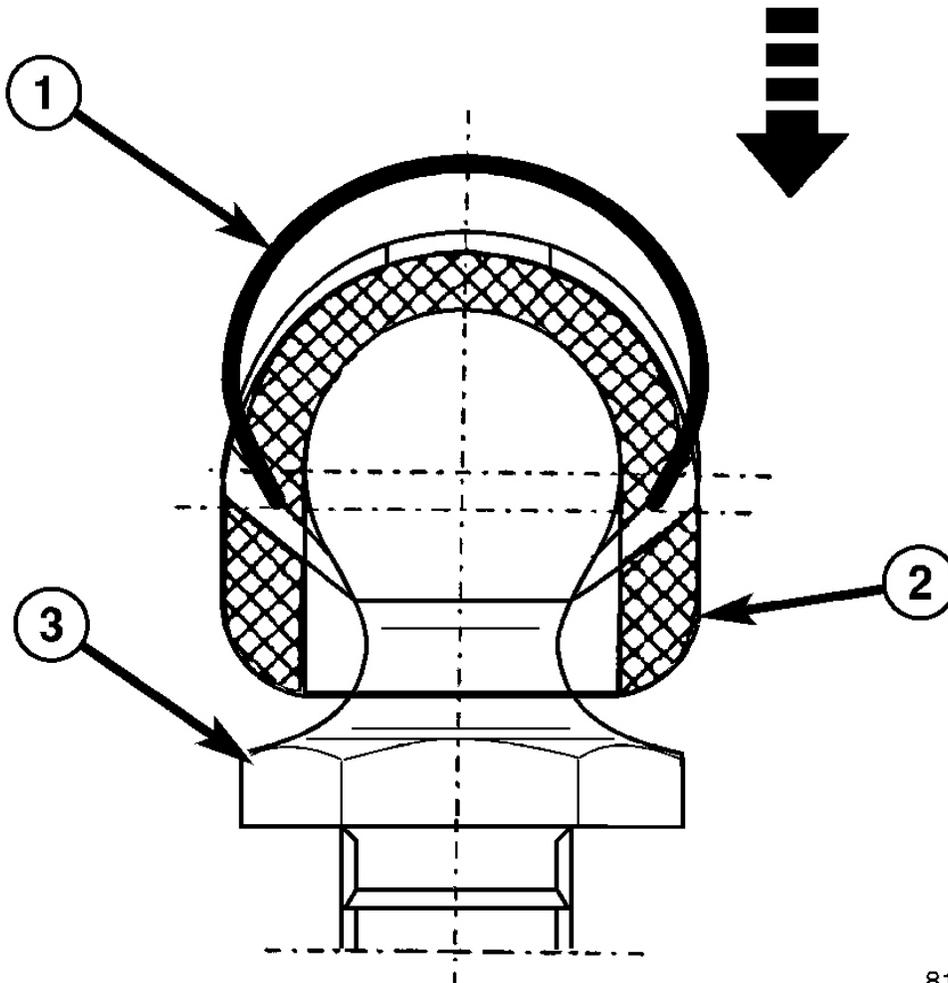
Fig. 297: Support Cylinder
Courtesy of CHRYSLER LLC

CAUTION: Do not pull the supports from the middle while removing.

3. Pulling at the ends only, remove the support cylinder.

INSTALLATION

SUPPORT - HOOD LATCH

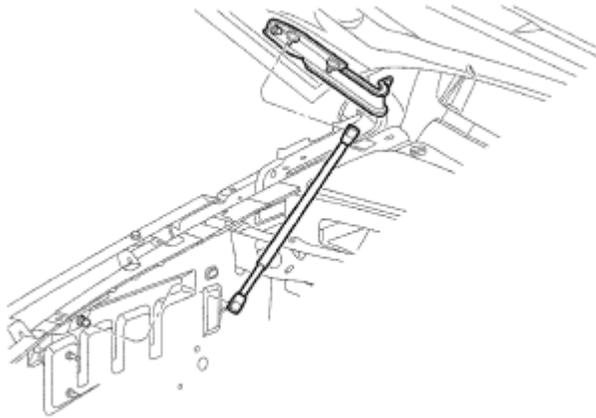


81299501

Fig. 298: Support Cylinder Retaining Clip
Courtesy of CHRYSLER LLC

- 1 - RETAINING CLIP
- 2 - BALL SOCKET
- 3 - BALL STUD

1. Make sure the retaining clips (1) are seated into the ball socket (2) fully.



8194f9d7

Fig. 299: Support Cylinder
Courtesy of CHRYSLER LLC

CAUTION: Do not install the support cylinders by pressing at the center of the cylinder. Press the ends only.

2. Install the support cylinder over the ball studs with the thin end connected to the body side of the hinge and the retaining clips snapping into place.

INSTRUMENT PANEL

WARNING

RESTRAINT SYSTEM

WARNING: To avoid personal injury or death, during and following any seat belt or child restraint anchor service, carefully inspect all seat belts, buckles, mounting hardware, retractors, tether straps, and anchors for proper installation, operation, or damage. Replace any belt that is cut, frayed, or torn. Straighten any belt that is twisted. Tighten any loose fasteners. Replace any belt that has a damaged or inoperative buckle or retractor. Replace any belt that has a bent or damaged latch plate or anchor plate. Replace any child restraint anchor or the unit to which the anchor is integral that has been bent or damaged. Never attempt to repair a seat belt or child restraint component. Always replace damaged or faulty seat belt and child restraint components with the correct, new and unused replacement parts listed in the DaimlerChrysler Mopar® parts catalog.

WARNING: To avoid personal injury or death, on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, occupant classification system, seat belt

tensioner, impact sensor, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

WARNING: To avoid personal injury or death on vehicles equipped with airbags, before performing any welding operations disconnect and isolate the battery negative (ground) cable and disconnect all wire harness connectors from the airbag control module (ACM). Failure to take the proper precautions could result in accidental airbag deployment and other possible damage to the supplemental restraint system circuits and components.

WARNING: To avoid personal injury or death, do not attempt to dismantle an airbag unit or tamper with its inflator. Do not puncture, incinerate, or bring into contact with electricity. Do not store at temperatures exceeding 93°C (200°F). An airbag inflator unit may contain sodium azide and potassium nitrate. These materials are poisonous and extremely flammable. Contact with acid, water, or heavy metals may produce harmful and irritating gases (sodium hydroxide is formed in the presence of moisture) or combustible compounds. An airbag inflator unit may also contain a gas canister pressurized to over 2500 psi.

WARNING: To avoid personal injury or death, when handling a seat belt tensioner retractor, proper care should be exercised to keep fingers out from under the retractor cover and away from the seat belt webbing where it exits from the retractor cover.

WARNING: To avoid personal injury or death, replace all restraint system components only with parts specified in the DaimlerChrysler Mopar® parts catalog. Substitute parts may appear interchangeable, but internal differences may result in inferior occupant protection.

WARNING: To avoid personal injury or death, the fasteners, screws, and bolts originally used for the restraint system components must never be replaced with any substitutes. These fasteners have special coatings and are specifically designed for the restraint system. Any time a new fastener is needed, replace it with the correct fasteners provided in the service package or specified in the DaimlerChrysler Mopar® parts catalog.

WARNING: To avoid personal injury or death, when a steering column has an airbag unit attached, never place the column on the floor or any other surface with the steering wheel or airbag unit face down.

BEZEL - CLUSTER

REMOVAL

BEZEL - CLUSTER

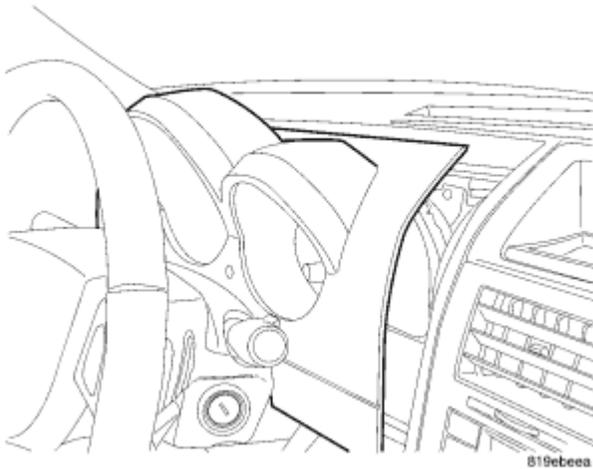


Fig. 300: Cluster Bezel

Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

NOTE: Position the steering column to the lowest position to ease in the removal of the cluster bezel.

2. Using a trim stick C-4755 or equivalent, remove the cluster bezel from the instrument panel assembly.

INSTALLATION

BEZEL - CLUSTER

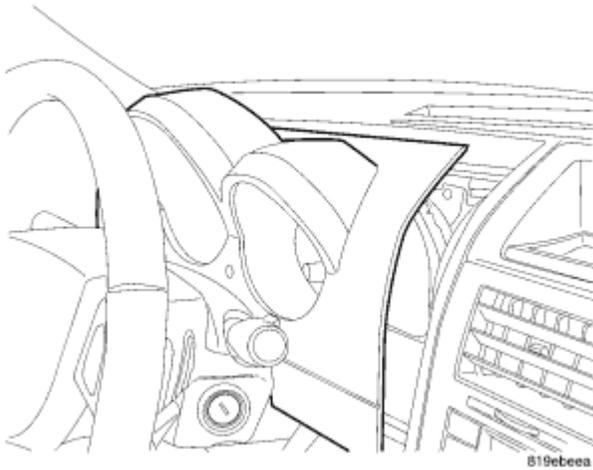


Fig. 301: Cluster Bezel

Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Position and install the cluster bezel to the instrument panel, use hand pressure to seat the bezel clips.

BEZEL - INSTRUMENT PANEL CENTER

REMOVAL

BEZEL - INSTRUMENT PANEL CENTER

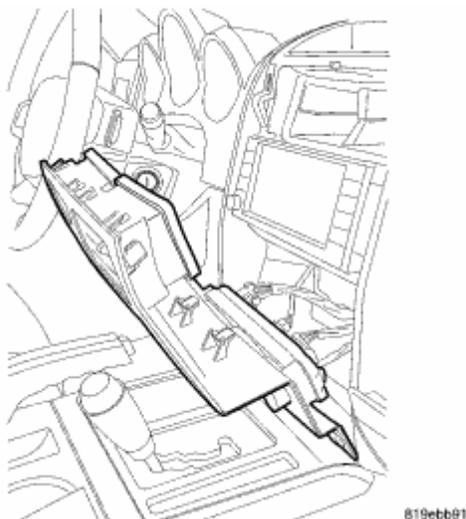


Fig. 302: Instrument Panel Center Bezel

Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

2. Set the park brake and move the transmission gear selector into the most rearward position.
3. Using a trim stick C-4755 or equivalent and starting at the top of the center bezel, pry the bezel away from the instrument panel far enough to disengage the snap clip retainers that secure it to the instrument panel.
4. Reach behind the bezel to access and disconnect all electrical connections.
5. Remove the center bezel from the instrument panel.
6. Remove all heating and air conditioning vents, control units and power outlets from the center bezel.

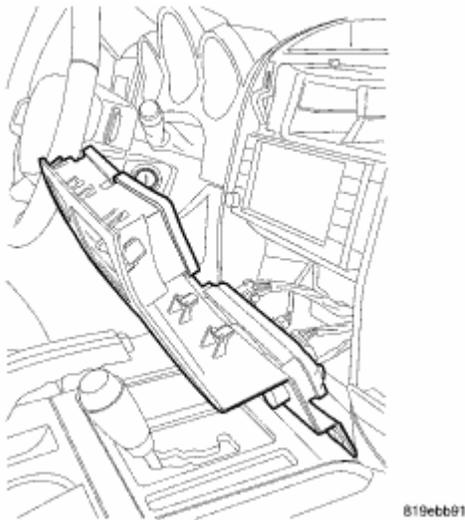
INSTALLATION**BEZEL - INSTRUMENT PANEL CENTER**

Fig. 303: Instrument Panel Center Bezel
Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Install all heating and air conditioning vents, control units, power outlets to the center bezel.
3. Connect the electrical connectors.
4. Position the center bezel and seat the retaining clips starting with the lower clips first using hand pressure.
5. Place the transmission into park.

BEZEL - HVAC**REMOVAL****BEZEL - HVAC**

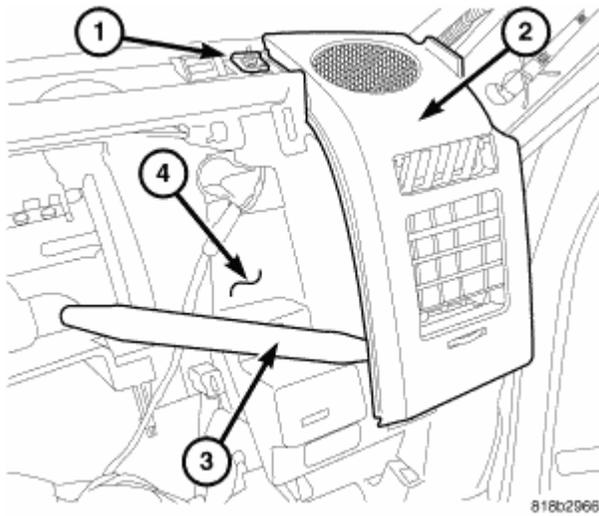


Fig. 304: Screw, Air Outlet, Trim Stick C-4755 & Instrument Panel
 Courtesy of CHRYSLER LLC

1. Remove the defroster grille, see **REMOVAL**.
2. Remove the A-pillar trim molding from the side of the vehicle being serviced, see **REMOVAL**.
3. Remove the screw (1) that secures the top of the air outlet (2) to the instrument panel (4).
4. Using a trim stick C-4755 or equivalent (3), gently pry the lower portion of the air outlet rearward to disengage the two metal retaining clips from the instrument panel and remove the outlet.
5. If required, carefully disengage the plastic retaining tabs that secure the air outlet grille to the back of air outlet and remove the grille from the outlet.

INSTALLATION

BEZEL - HVAC

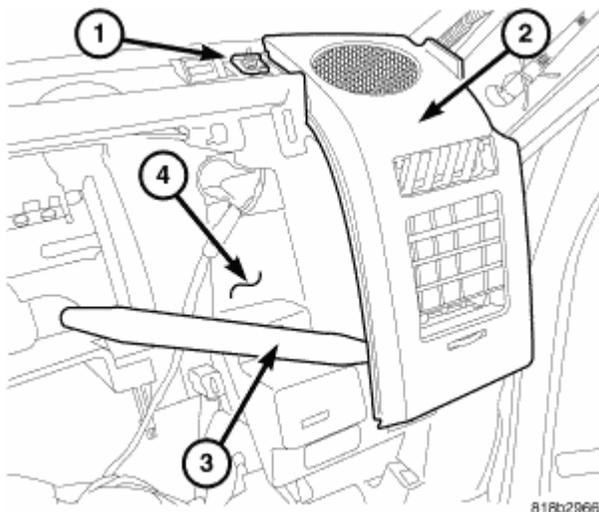


Fig. 305: Screw, Air Outlet, Trim Stick C-4755 & Instrument Panel
 Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

1. Carefully install the air outlet grille onto the back of air outlet and engage the plastic retaining tabs that secure grille to the outlet. Make sure the retaining tabs are fully engaged.
2. Position the instrument panel air outlet(s) to the instrument panel and engage the two metal retaining clips to the instrument panel. Make sure the retainers are fully engaged.
3. Install the screw (1) that secures the top of the air outlet (2) to the instrument panel (4). Tighten the screw to 1.2 N.m (10 in. lbs.).
4. Install the A-pillar trim molding(s), see **INSTALLATION**.
5. Install the defroster grille, see **INSTALLATION**.

BIN - INSTRUMENT PANEL

REMOVAL

BIN - INSTRUMENT PANEL

CAUTION: Carefully disengage the retaining clips on the instrument panel bin, make sure the tool does not scratch the instrument panel assembly while removing.

1. Remove the screws underneath the bin mat and remove bin.
2. Using a trim stick C-4755 or equivalent, release the clips attaching the instrument panel bin to the instrument panel.

INSTALLATION

BIN - INSTRUMENT PANEL

CAUTION: Carefully align the upper center tray clips to the instrument panel slots. Make sure the panel is properly positioned to avoid breaking the clip tabs on the bin.

1. Align and install the instrument panel bin to the instrument panel.
2. Use hand pressure to engage the instrument panel bin clips to the instrument panel slots.
3. Install screws underneath the bin mat and tighten.

BIN - STEERING COLUMN COVER

REMOVAL

BIN - STEERING COLUMN COVER

1. Remove the steering column cover panel, see **REMOVAL**.
2. Use a trim stick C-4755 or equivalent, disengage the lower hinges of the steering column cover bin from the steering column cover panel.

INSTALLATION

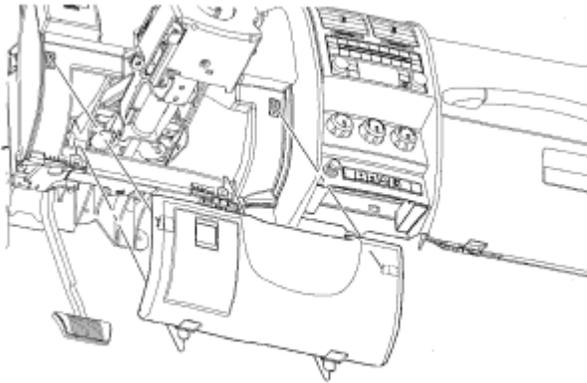
BIN - STEERING COLUMN COVER

1. Install the steering column cover bin lower hinges to the steering column cover panel.
2. Install the steering column cover panel, see INSTALLATION.

COVER - STEERING COLUMN

REMOVAL

COVER - STEERING COLUMN



8196d206

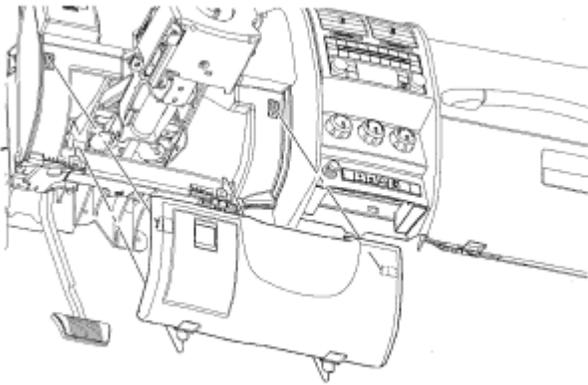
Fig. 306: Knee Blocker

Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.
2. Position the steering column into the highest position to ease in the removal of the steering column cover. Reach into the steering column opening at the top of the steering column cover and pull the top rearward to disengage cover blocker clips.
3. Gently swing the cover open.
4. While the cover is in a full down position, slide the cover to the left or outboard of the driver side, this will allow the claws of the cover to disengage from the trim panel hinges, and then pull the cover rearward to remove the steering column cover.

INSTALLATION

COVER - STEERING COLUMN



8196d206

Fig. 307: Knee Blocker

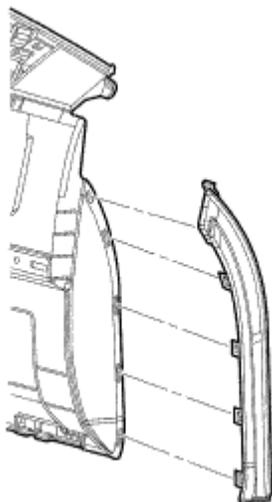
Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Align steering column cover's claws to instrument panel tabs. When claws are aligned with tabs, slide the cover to the right or inboard of the driver side to engage the claws over the instrument panels hinges.
3. Gently swing the steering column cover upward until the clips touch the corresponding slots in the instrument panel and use hand pressure to engage the clips.

END CAP - INSTRUMENT PANEL

REMOVAL

END CAP - INSTRUMENT PANEL



819ec577

Fig. 308: Instrument Panel End Cap

Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Using a trim stick C-4755 or equivalent, remove the end cap bezel from the instrument panel assembly.

INSTALLATION

END CAP - INSTRUMENT PANEL

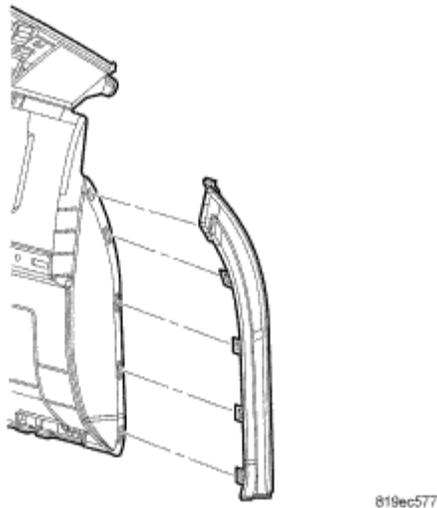


Fig. 309: Instrument Panel End Cap
Courtesy of CHRYSLER LLC

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Position the end cap and seat the retaining clips using hand pressure.

GLOVE BOX - INSTRUMENT PANEL

REMOVAL

GLOVE BOX - INSTRUMENT PANEL

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Open the glove box.
3. Squeeze the stop tabs located on the sides of the box while and swing the glove box door open.
4. With box in the full down position slide the box to the right off of the hinges and remove.

INSTALLATION

GLOVE BOX - INSTRUMENT PANEL

1. Before proceeding with the following repair procedure, review all warnings and cautions. See

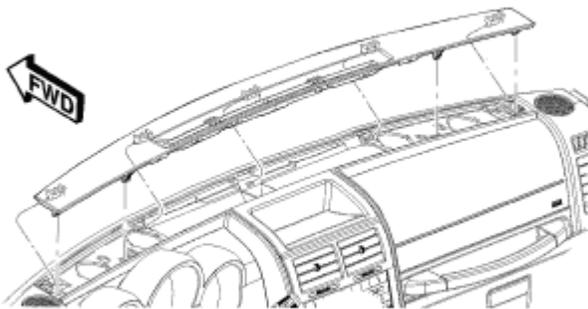
WARNING.

2. Position the box on and slide the box to the left to engage the hinges.
3. Close the glove box.

GRILLE-DEFROSTER

REMOVAL

GRILLE-DEFROSTER



8196d433

Fig. 310: Defroster Grille

Courtesy of CHRYSLER LLC

CAUTION: Carefully disengage the retaining clips on the defroster grille, make sure the tool does not scratch the instrument panel assembly while removing.

1. Using a trim stick C-4755 or equivalent, release the rearward edge clips, and secondly once the rearward edge clips are released. Move in an upward and rearward direction to release the front edge clips of the instrument panel top cover.
2. Remove the defroster grille from instrument panel.

INSTALLATION

GRILLE-DEFROSTER

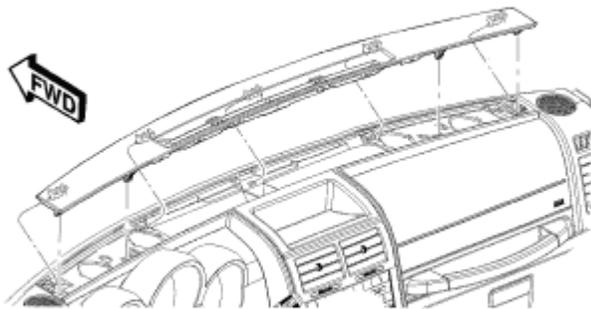


Fig. 311: Defroster Grille
Courtesy of CHRYSLER LLC

CAUTION: Carefully align the defroster grille clips to the instrument panel slots. Make sure the panel is properly positioned to avoid breaking the clip tabs on the defroster grille.

1. Position the defroster grille at a 45° angle and engage the forward clips first then engage the rear clips of the defroster grille to the instrument panel.
2. Use hand pressure to engage the defroster grille clips to the instrument panel slots.

LATCH - GLOVE BOX DOOR

REMOVAL

LATCH - GLOVE BOX DOOR

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Remove the glove box, see **REMOVAL**.
3. Remove the three screws and remove the glove box latch.

INSTALLATION

LATCH - GLOVE BOX DOOR

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Position the latch to the glove box.
3. Install the three screws.
4. Install the glove box, see **INSTALLATION**.

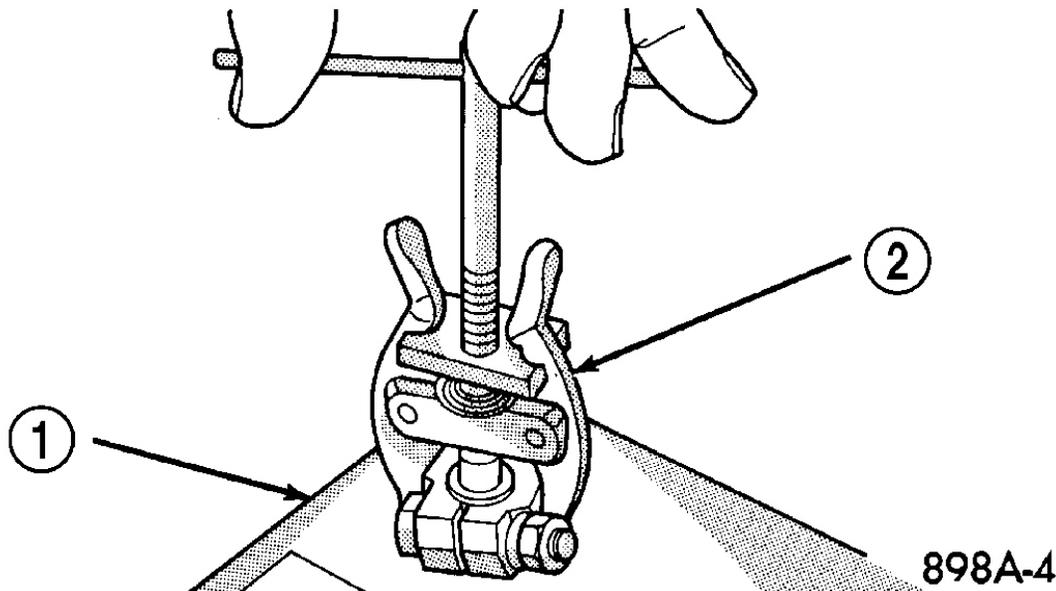
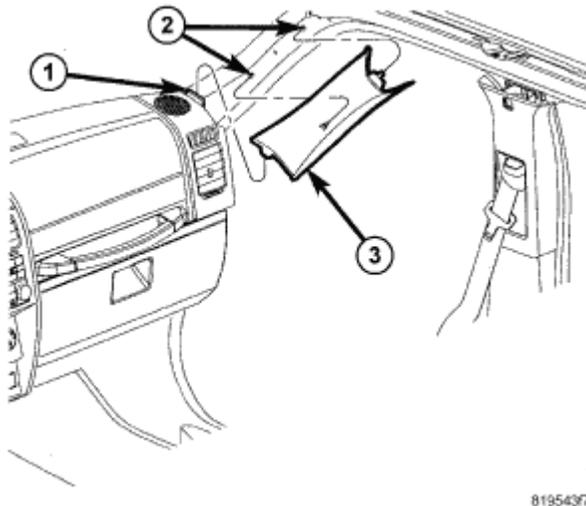
PANEL - INSTRUMENT**REMOVAL****PANEL - INSTRUMENT**

Fig. 312: Using Battery Terminal Removal Tool To Disconnect Negative Battery Cable From Battery
Courtesy of CHRYSLER LLC

WARNING: Disable the airbag system before attempting any steering wheel, steering column, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions could result in an accidental airbag deployment and possible personal injury or death.

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

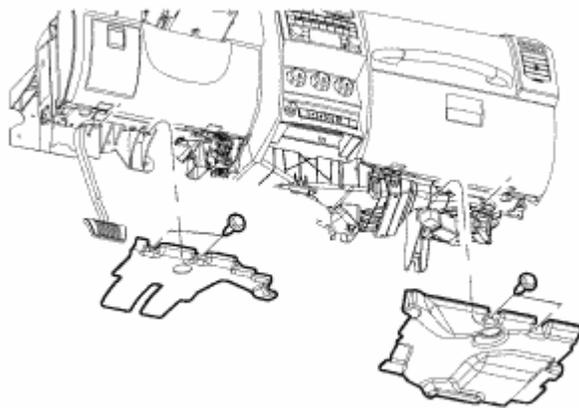
1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Loosen the battery terminal nut and use a battery terminal removal tool (2) to disconnect the negative battery cable from the battery (1).



8195437

Fig. 313: Instrument Panel, Slots & Moldings
Courtesy of CHRYSLER LLC

3. Remove the right and left A-pillar trim moldings using a small pry tool or equivalent, lift the A-pillar trim molding (3) from the A-pillar slots (2) releasing the clips on the molding.



819d2bec

Fig. 314: Removing/Installing Fasteners And Close Out Panels
Courtesy of CHRYSLER LLC

4. Remove the fasteners and close out panels from the lower I/P.

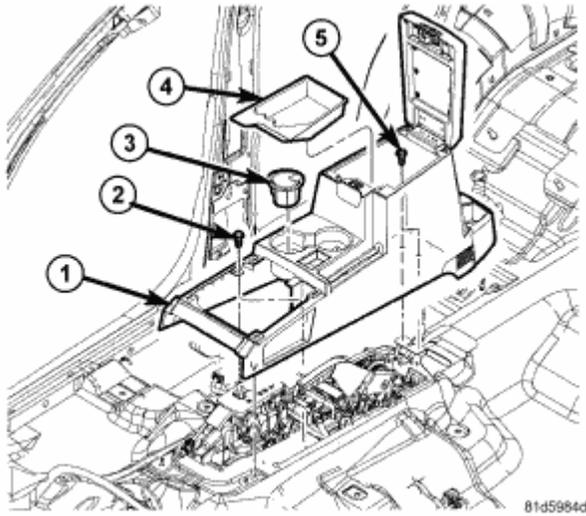


Fig. 315: Removing/Installing Floor Console
Courtesy of CHRYSLER LLC

5. Remove the floor console, see **REMOVAL**.

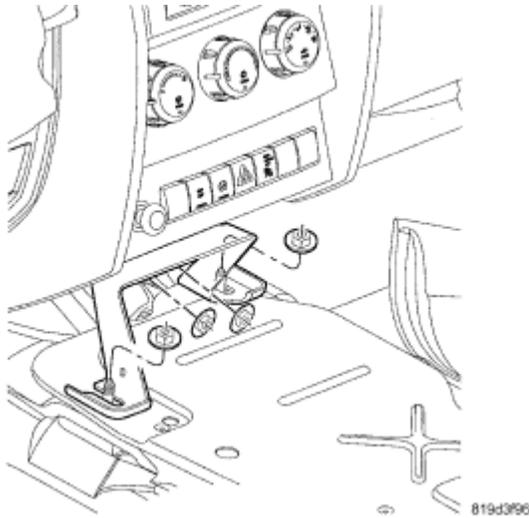
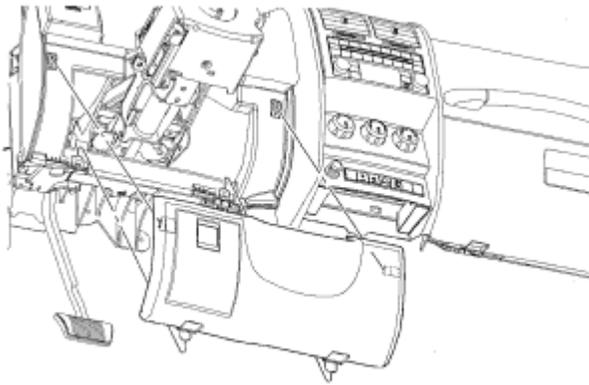


Fig. 316: Removing/Installing Nuts And Instrument Panel Support Bracket
Courtesy of CHRYSLER LLC

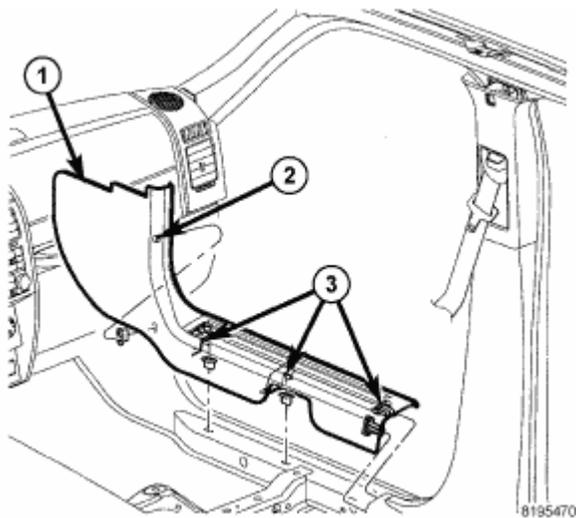
6. Remove the nuts and the instrument panel support bracket.



8196d206

Fig. 317: Knee Blocker
Courtesy of CHRYSLER LLC

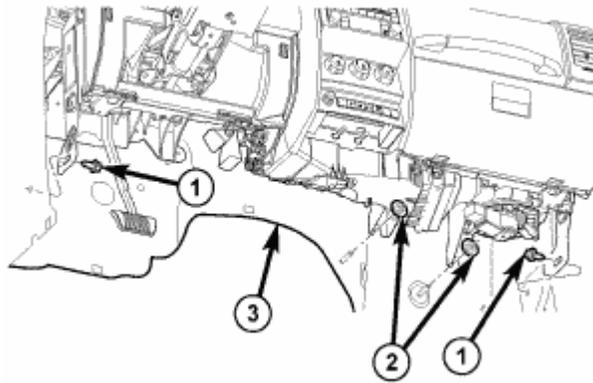
7. Reach into the steering column opening at the top of the knee blocker and pull the top rearward to disengage upper knee blocker clips.
8. Gently swing the knee blocker open.
9. While the cover is in a full down position, slide the cover to the left or outboard of the driver side, this will allow the claws of the cover to disengage from the trim panel hinges, and then pull the cover rearward to remove the steering column cover.



8195470f

Fig. 318: Cowl Trim Panel
Courtesy of CHRYSLER LLC

10. Remove the right and left cowl side panels, see **REMOVAL**.



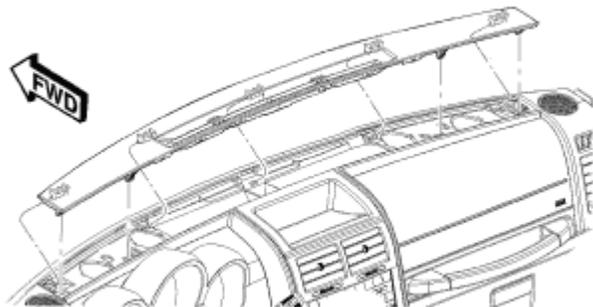
819d4076

Fig. 319: Lower Instrument Panel
Courtesy of CHRYSLER LLC

11. Remove bolts (1) and the nuts (2) from the lower instrument panel mounts.

NOTE: Using a grease pencil or equivalent, mark the position of the steering wheel.

12. Remove the steering column from the vehicle, refer to **REMOVAL** .

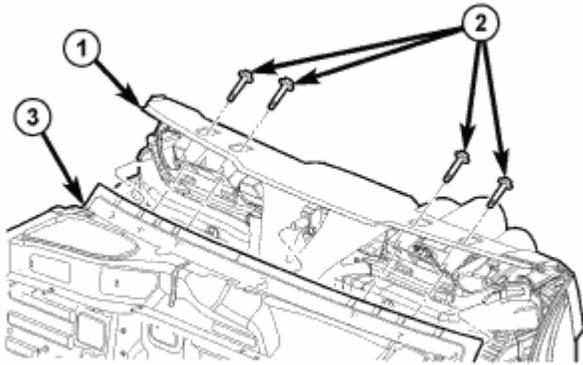


8196d433

Fig. 320: Defroster Grille
Courtesy of CHRYSLER LLC

CAUTION: Carefully disengage the retaining clips on the defroster grille. Make sure the tool does not scratch the instrument panel assembly while removing.

13. Using a trim stick C-4755 or equivalent, release the rearward edge clips, and secondly once the rearward edge clips are released. Move in an upward and rearward direction to release the front edge clips of the instrument panel top cover.
14. Remove the defroster grille from the instrument panel.



819d4224

Fig. 321: Upper Instrument Panel
Courtesy of CHRYSLER LLC

15. Remove the bolts (2) attaching the instrument panel (1) to the body (3).

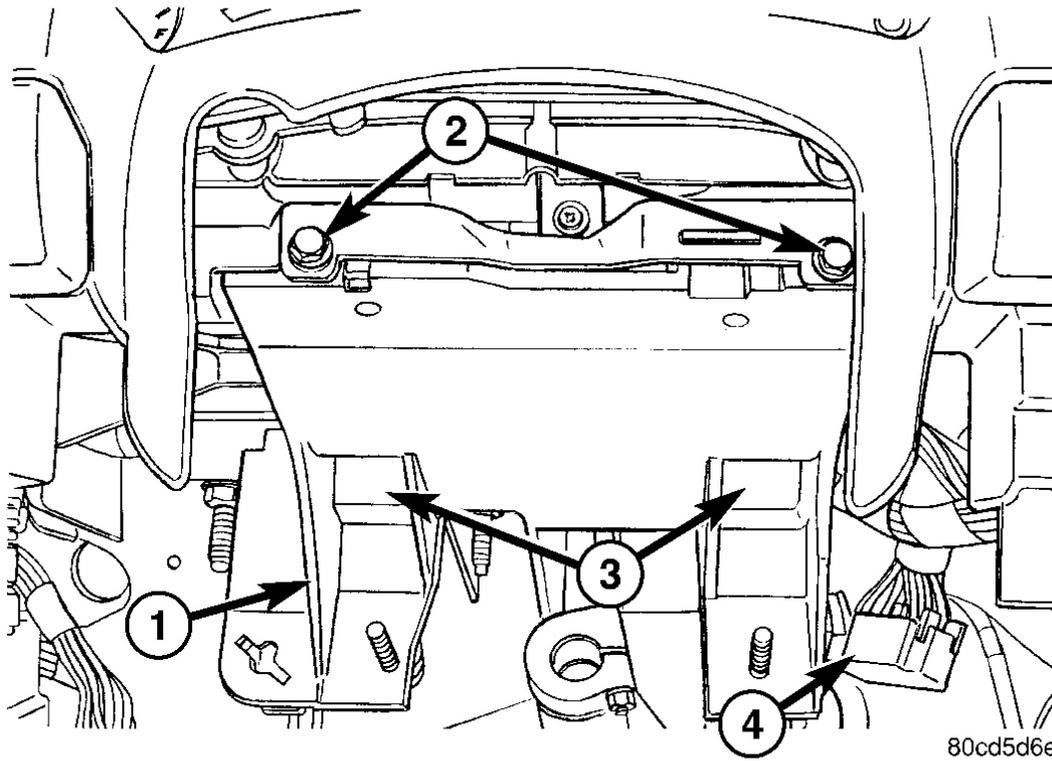


Fig. 322: Pedal Support Bracket
 Courtesy of CHRYSLER LLC

16. Disconnect the electrical connector at the inner side of the pedal support bracket.
17. Remove the two bolts at the front of the pedal support bracket.
18. Remove the two bolts from the bottom side of the pedal support bracket.

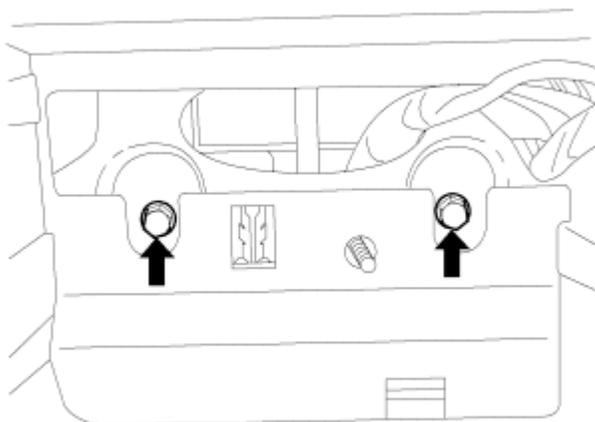
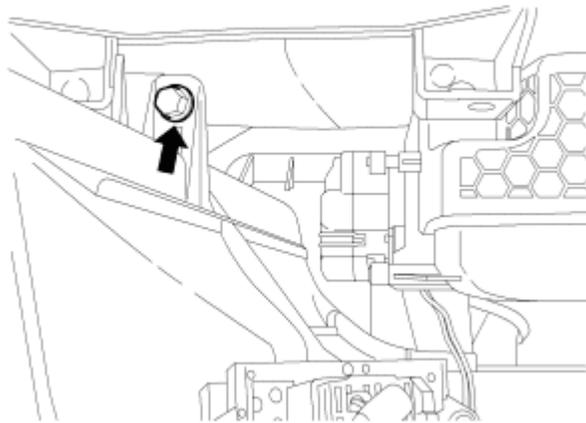


Fig. 323: Center Instrument Panel Attachment
Courtesy of CHRYSLER LLC

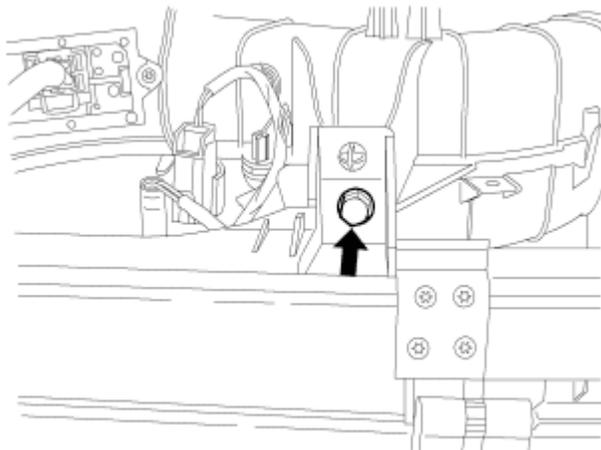
19. Remove the instrument panel center bezel.
20. Disconnect the following electrical connections:
 - Control Head
 - Lighter
 - Switch Bank
21. Remove the fasteners from the center instrument panel attachment.



81a957b2

Fig. 324: Upper Instrument Panel Attachment
Courtesy of CHRYSLER LLC

22. Remove the glove box, see **REMOVAL**.
23. Remove the fastener from the upper instrument panel attachment.



81a957c3

Fig. 325: Lower Instrument Panel Attachment

Courtesy of CHRYSLER LLC

24. Remove the fastener from the lower instrument panel attachment.

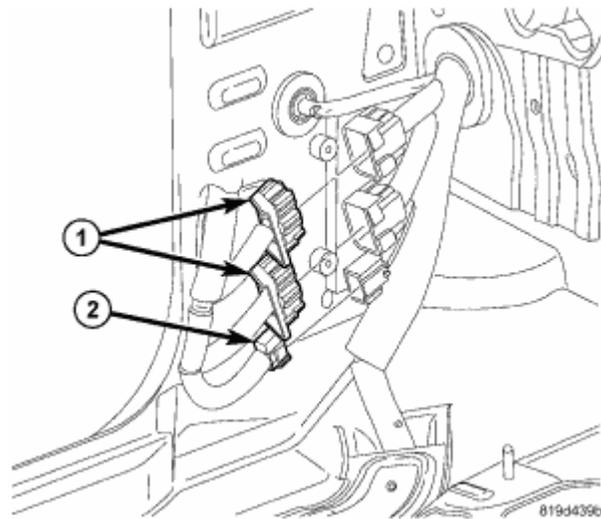


Fig. 326: 40 Way Electrical Connectors And NAG1 Connector
Courtesy of CHRYSLER LLC

25. Disconnect the two 40 way electrical connectors (1) and the NAG1 connector for the transmission if equipped.
26. Remove the electrical connections on the instrument panel harness.
27. Remove the instrument panel from the vehicle compartment.

INSTALLATION

PANEL - INSTRUMENT

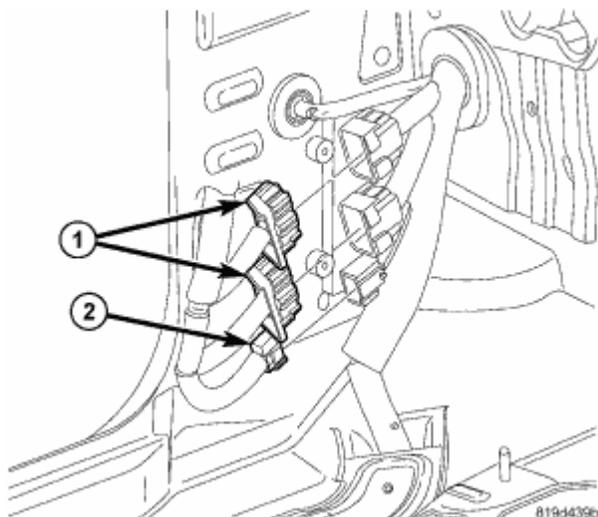


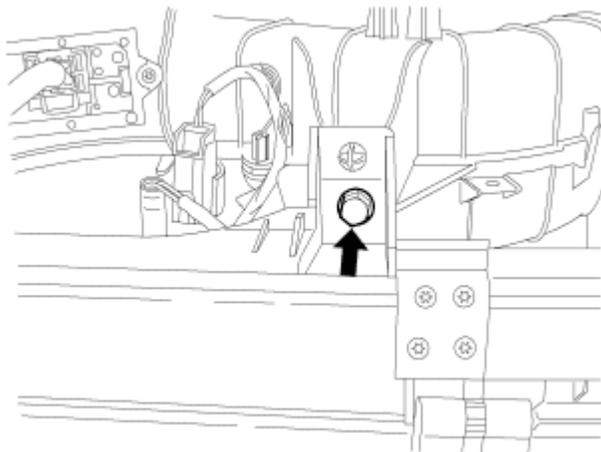
Fig. 327: 40 Way Electrical Connectors And NAG1 Connector
Courtesy of CHRYSLER LLC

WARNING: Disable the airbag system before attempting any steering wheel, steering column, or instrument panel component diagnosis or service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the airbag system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the airbag system. Failure to take the proper precautions could result in an accidental airbag deployment and possible personal injury or death.

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

NOTE: Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

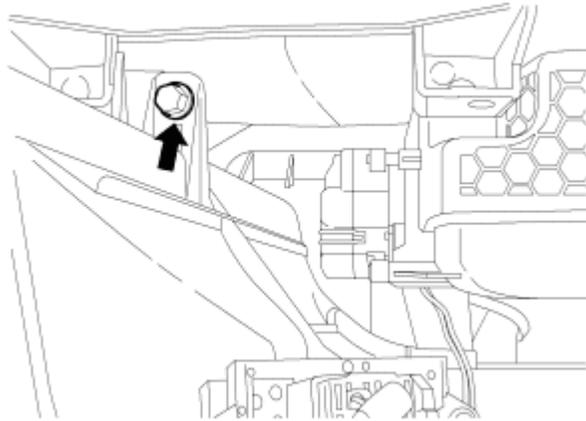
1. Install the instrument panel to the vehicle.
2. Connect the two 40 way electrical connectors (1) and the NAG1 connector for the transmission, if equipped.



81a957c3

Fig. 328: Lower Instrument Panel Attachment
Courtesy of CHRYSLER LLC

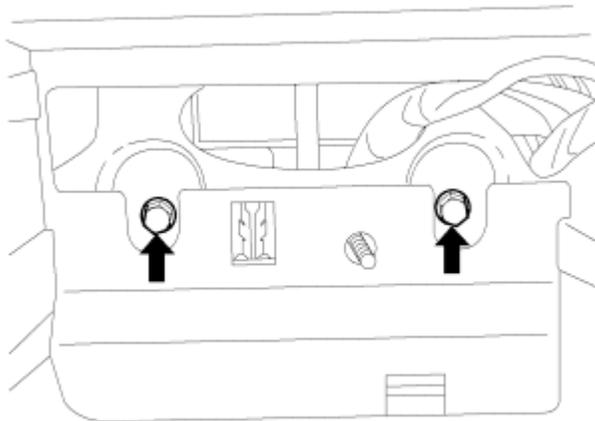
3. Install the fastener to the lower instrument panel attachment.



81a957b2

Fig. 329: Upper Instrument Panel Attachment
Courtesy of CHRYSLER LLC

4. Install the fastener to the upper instrument panel attachment.
5. Install the glove box, see **INSTALLATION**.



81a957b6

Fig. 330: Center Instrument Panel Attachment
Courtesy of CHRYSLER LLC

6. Install the fasteners to the center instrument panel attachment.
7. Connect the following electrical connections:
 - Control Head
 - Lighter
 - Switch Bank
8. Install the instrument panel center bezel.

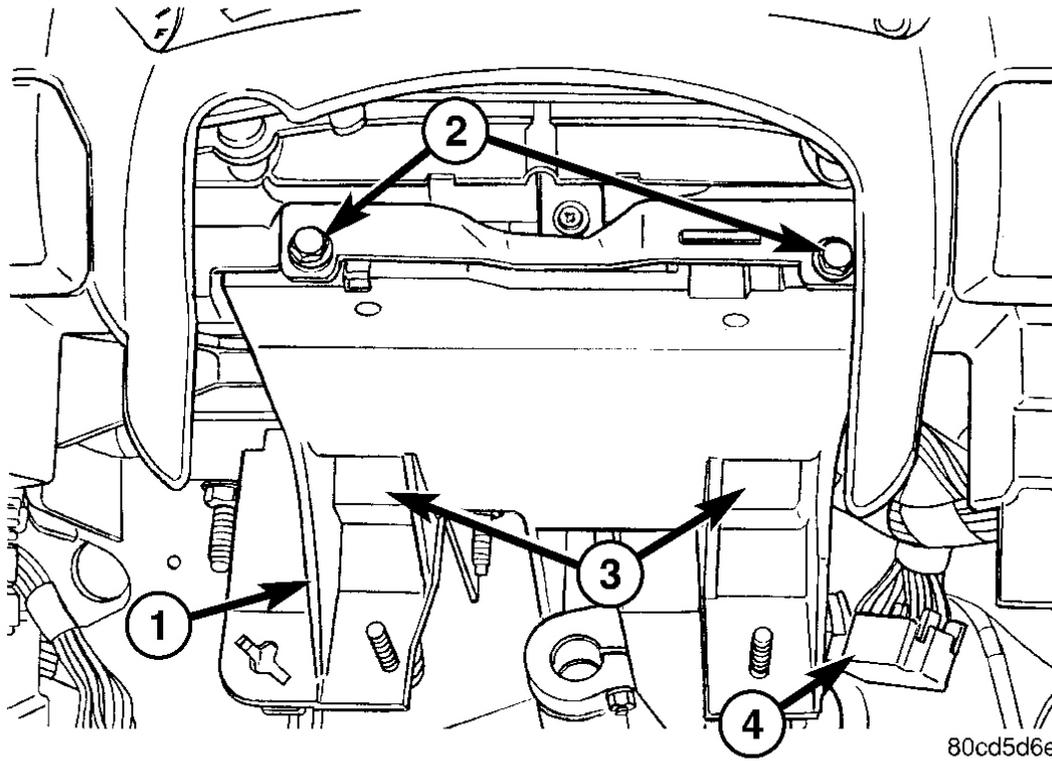


Fig. 331: Pedal Support Bracket
Courtesy of CHRYSLER LLC

9. Install the two bolts to the bottom side of the pedal support bracket.
10. Install the two bolts at the front of the pedal support bracket.
11. Connect the electrical connector at the inner side of the pedal support bracket.

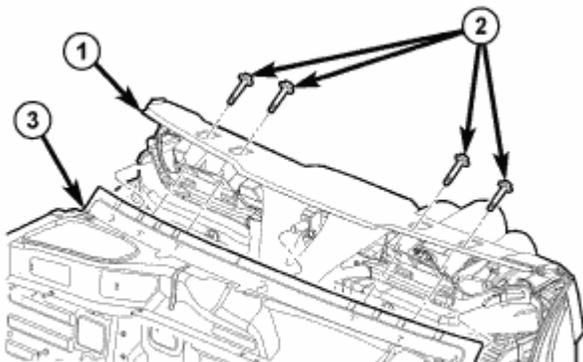
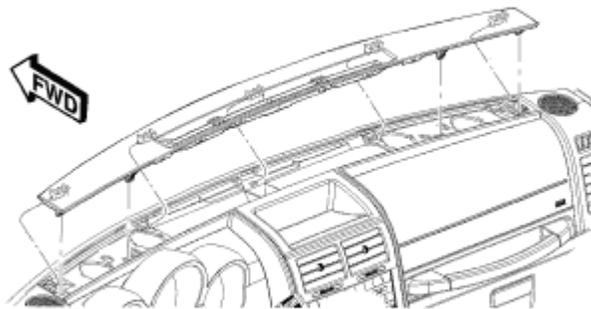


Fig. 332: Upper Instrument Panel

Courtesy of CHRYSLER LLC

CAUTION: Make sure the clips located at the center stack and between the HVAC duct and instrument panel are engaged before tightening the upper instrument panel bolts.

12. Install the bolts (2) attaching the instrument panel (1) to the body (3) and tighten to 28 N.m (20.5 ft. lbs.).



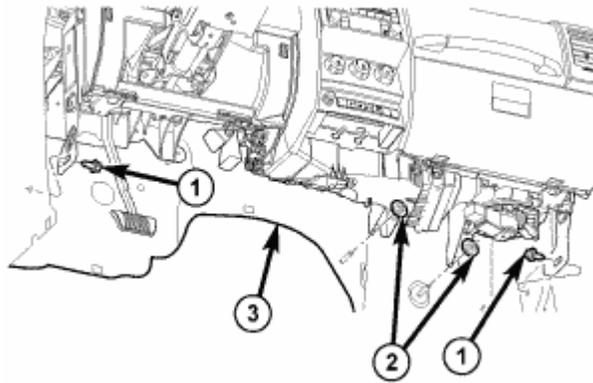
8196d433

Fig. 333: Defroster Grille

Courtesy of CHRYSLER LLC

CAUTION: Carefully align the defroster grille clips to the instrument panel slots. Make sure the panel is properly positioned to avoid breaking the clip tabs from the defroster grille.

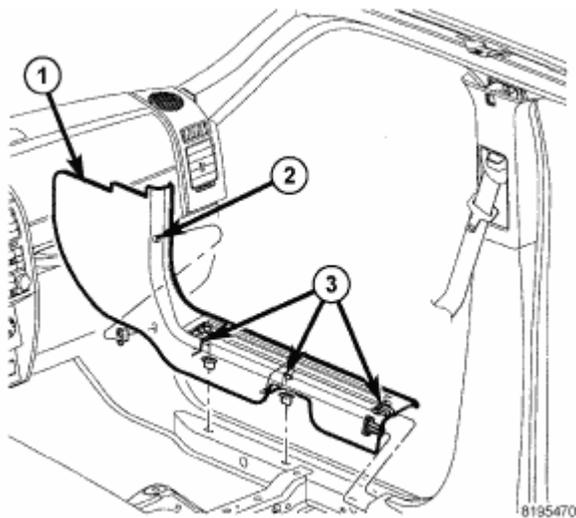
13. Align and install the defroster grille to the instrument panel.
14. Use hand pressure to engage the defroster grille clips to the instrument panel slots.
15. Install the steering column to the vehicle, refer to **INSTALLATION** .



819d4076

Fig. 334: Lower Instrument Panel
Courtesy of CHRYSLER LLC

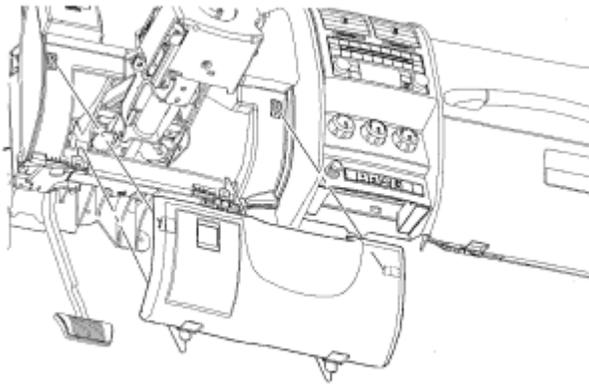
16. Install the bolts (1) and tighten to 6 N.m (55 in. lbs.).
17. Install the nuts (2) to the lower instrument panel mounts and tighten to 30.5 N.m (22.5 ft. lbs.).



8195470f

Fig. 335: Cowl Trim Panel
Courtesy of CHRYSLER LLC

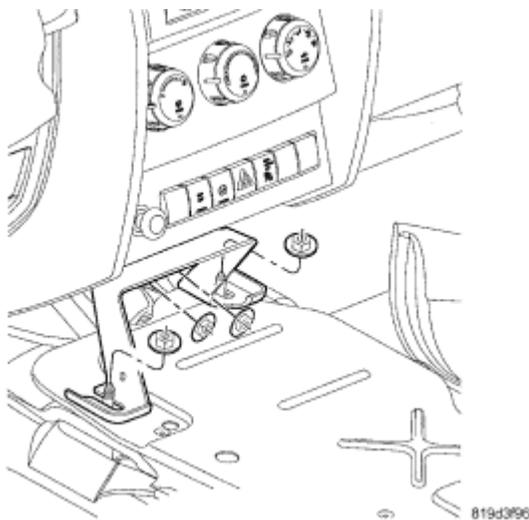
18. Install the right and left cowl side panels, see **INSTALLATION**.



8196d206

Fig. 336: Knee Blocker
Courtesy of CHRYSLER LLC

19. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
20. Align steering column cover's claws to instrument panel tabs. When claws are aligned with tabs, slide the cover to the right or inboard of the driver side to engage the claws over the instrument panels hinges.
21. Gently swing the steering column cover upward until the clips touch the corresponding slots in the instrument panel and use hand pressure to engage the clips.



819d3f66

Fig. 337: Removing/Installing Nuts And Instrument Panel Support Bracket
Courtesy of CHRYSLER LLC

22. Install the instrument panel support bracket and nuts and tighten to 28 N.m (20.5 ft. lbs.).

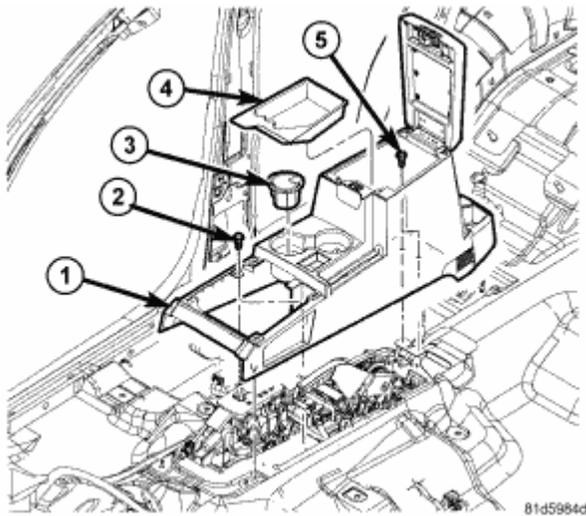


Fig. 338: Removing/Installing Floor Console
Courtesy of CHRYSLER LLC

23. Install the floor console, see INSTALLATION.

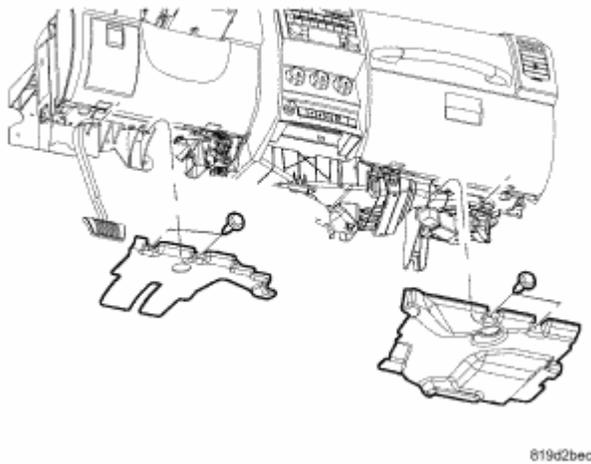


Fig. 339: Removing/Installing Fasteners And Close Out Panels
Courtesy of CHRYSLER LLC

24. Install the close out panels and the bolts to the lower I/P and tighten to 2.5 N.m (22 in. lbs.).

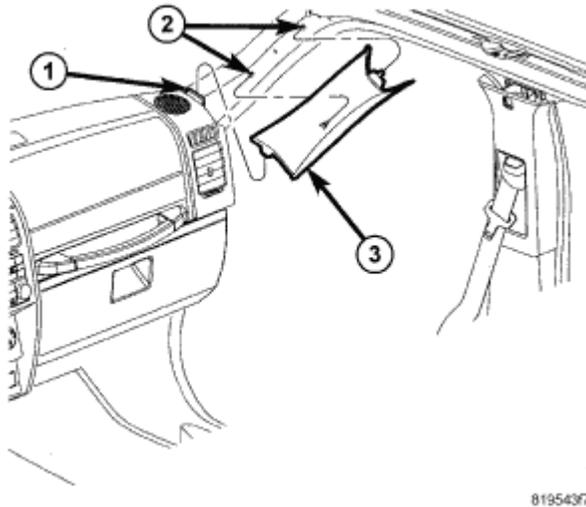


Fig. 340: Instrument Panel, Slots & Moldings
Courtesy of CHRYSLER LLC

25. Align the right and left A-pillar trim tabs on the moldings (3) to the top cover slot of the instrument panel (1).
26. Align the two clips on the molding to the slots (2) on the A-pillar. Snap the A-pillar trim molding (3) into place using hand pressure.
27. Connect the negative battery cable to the battery.

STRIKER - GLOVE BOX DOOR LATCH

REMOVAL

STRIKER - GLOVE BOX DOOR LATCH

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Open the glove box.
3. Remove the two striker screws and remove the latch striker.

INSTALLATION

STRIKER - GLOVE BOX DOOR LATCH

1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Install the striker and install the two screws.
3. Loosen the screws to adjust if necessary.

INTERIOR

BASE - FLOOR CONSOLE

REMOVAL

BASE - FLOOR CONSOLE

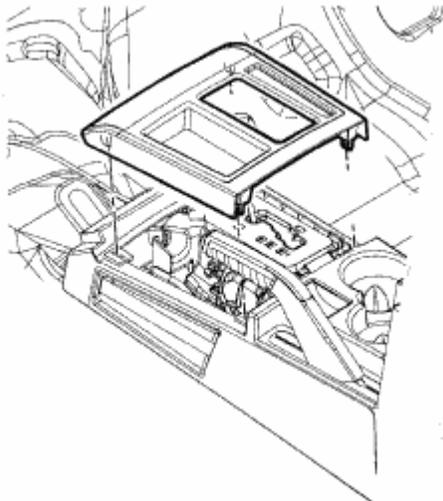


Fig. 341: Floor Console Shift Bezel
Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, pry the shift bezel out of the floor console.
2. If equipped, remove electrical connectors attached to shift bezel.

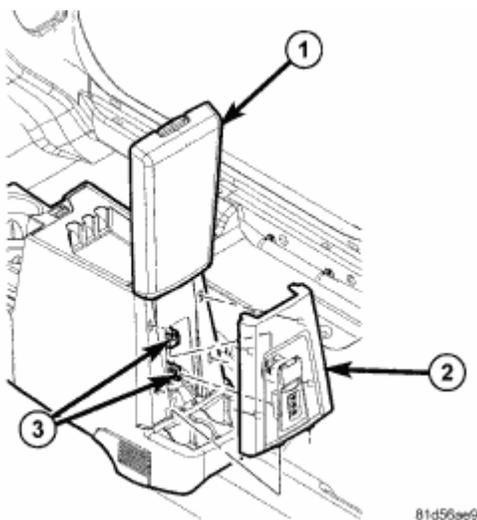


Fig. 342: Console Lid, End Cap & Electrical Connectors
Courtesy of CHRYSLER LLC

3. Open console lid (1).
4. Using a trim stick C-4755 or equivalent, release the fasteners at the four locations around the floor console end cap (2).

5. Disconnect electrical connectors (3) from end cap (2).
6. Remove end cap (2).

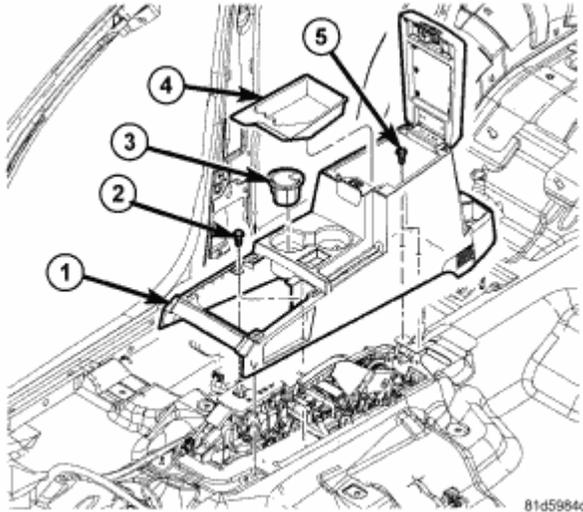


Fig. 343: Removing/Installing Floor Console
 Courtesy of CHRYSLER LLC

7. Remove ash cup (3) from console (1).
8. Remove bin (4) from console (1).
9. Remove two screws (2) from front of console (1).
10. Remove two screws (5) from rear of console (1) located inside the console bin.
11. Lift console (1) at back and remove.

INSTALLATION

BASE - FLOOR CONSOLE

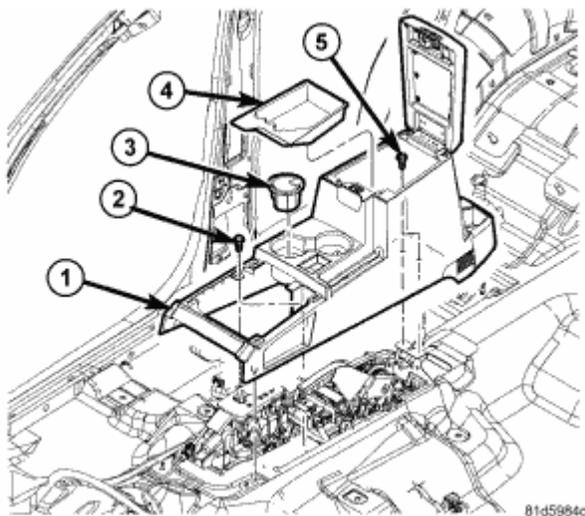


Fig. 344: Removing/Installing Floor Console

Courtesy of CHRYSLER LLC

1. Install the console (1) into the vehicle.
2. Install the two screws (5) to the rear of the console (1), located inside the console bin.
3. Install the two screws (2) in the front of console (1).
4. Install the bin (4) to the console (1).
5. Install the ash cup (3) to the console (1).

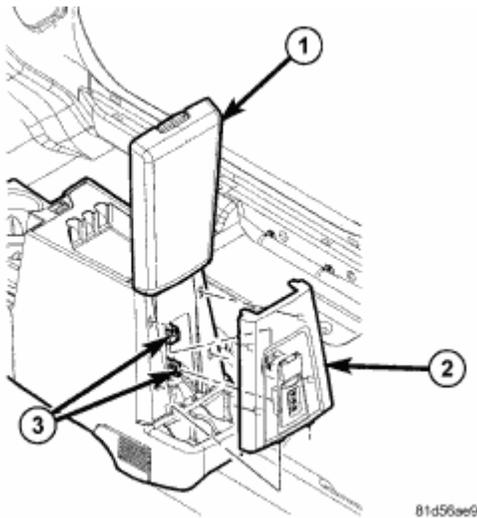


Fig. 345: Console Lid, End Cap & Electrical Connectors
Courtesy of CHRYSLER LLC

6. Connect the electrical connectors (3) to the end cap (2).
7. Align the end cap (2) to the console, use hand pressure to seat the clips.

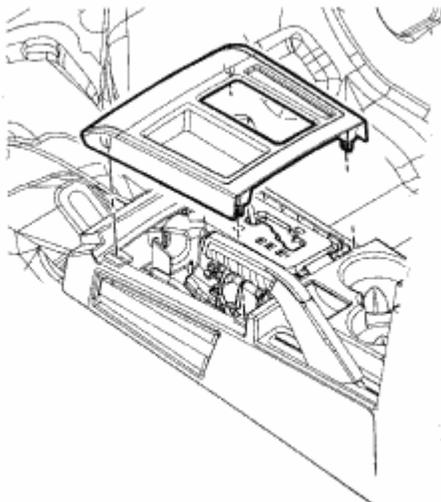


Fig. 346: Floor Console Shift Bezel
Courtesy of CHRYSLER LLC

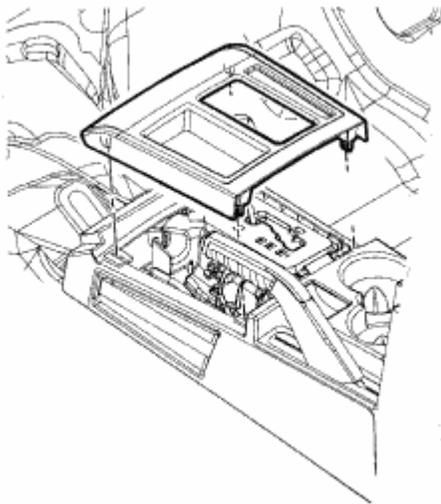
8. If equipped, connect electrical connectors attached to shift bezel.
9. Align and use hand pressure to install the shift bezel into the floor console.

BEZEL - CONSOLE SHIFT

REMOVAL

BEZEL - CONSOLE SHIFT

1. If equipped with a manual transmission, using a slide-hammer, snap out the shift knob from the lever.



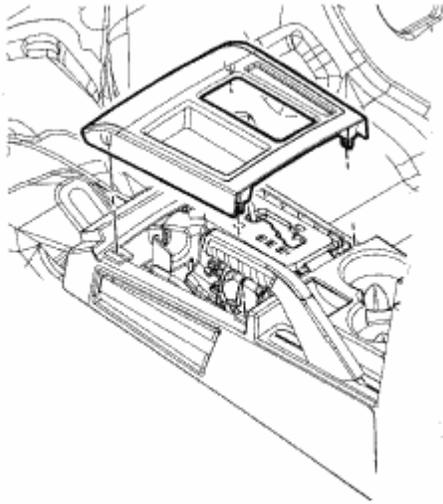
8195c171

Fig. 347: Floor Console Shift Bezel
Courtesy of CHRYSLER LLC

2. Using a trim stick C-4755 or equivalent, pry the shift bezel out of the floor console. If equipped with a manual transmission, the lever boot will come off with the bezel.
3. If equipped, remove electrical connectors attached to shift bezel.

INSTALLATION

BEZEL - CONSOLE SHIFT



8195c171

Fig. 348: Floor Console Shift Bezel
Courtesy of CHRYSLER LLC

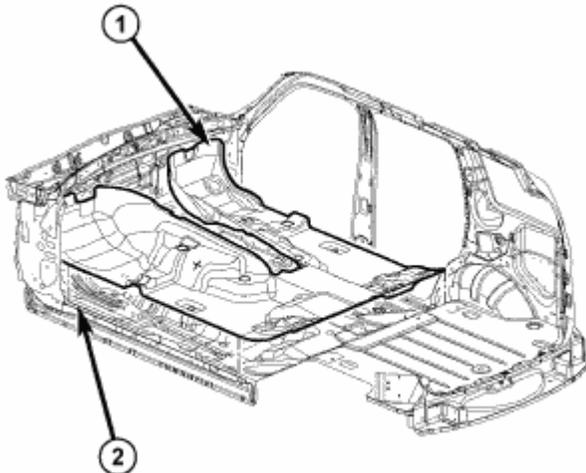
1. If equipped, connect electrical connectors attached to shift bezel.
2. Align and use hand pressure to install the shift bezel into the floor console.
3. If equipped with a manual transmission, snap in the shift knob on the shift lever.

CARPET - FLOOR

REMOVAL

CARPET - FLOOR

Front Carpet



8195eb8b

Fig. 349: Front Carpet
Courtesy of CHRYSLER LLC

1. Remove front seats, see **REMOVAL**.
2. Remove the floor console, see **REMOVAL**.
3. Remove the rear seats, see **REMOVAL**.
4. Remove the cowl trim panels, see **REMOVAL**.
5. Remove the B-pillar lower trim, see **REMOVAL**.
6. Remove all electrical harnesses from the carpet.
7. Remove the carpet from the vehicle.

INSTALLATION

CARPET - FLOOR

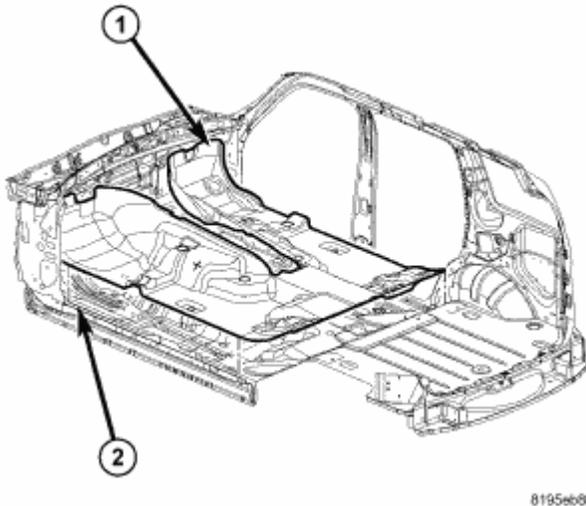


Fig. 350: Front Carpet

Courtesy of CHRYSLER LLC

1. Install the carpet to the vehicle.
2. Route all the electrical harness pigtails into the carpet at the varies locations.
3. Install the B-pillar lower trim, see **INSTALLATION**.
4. Install the cowl trim panels, see **INSTALLATION**.
5. Install the rear seats, see **INSTALLATION**.
6. Install the floor console, see **INSTALLATION**.
7. Install the front seats, see **INSTALLATION**.

COVER - B PILLAR LOWER

REMOVAL

COVER - B PILLAR LOWER

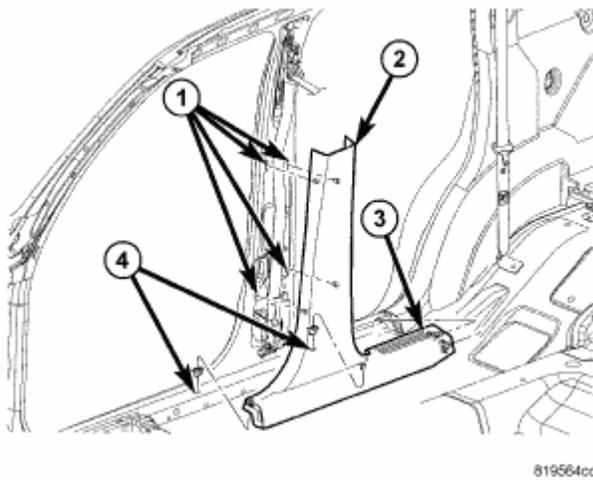


Fig. 351: Lower B Pillar Cover
Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, pry up on the trim panel (2), releasing the retaining clips from the body (4).
2. Remove the trim panel (2) from the B-pillar (1).
3. Remove the trim panel (2) by sliding the panel forward releasing the panel from the scuff clips in the body (3).

INSTALLATION

COVER - B PILLAR LOWER

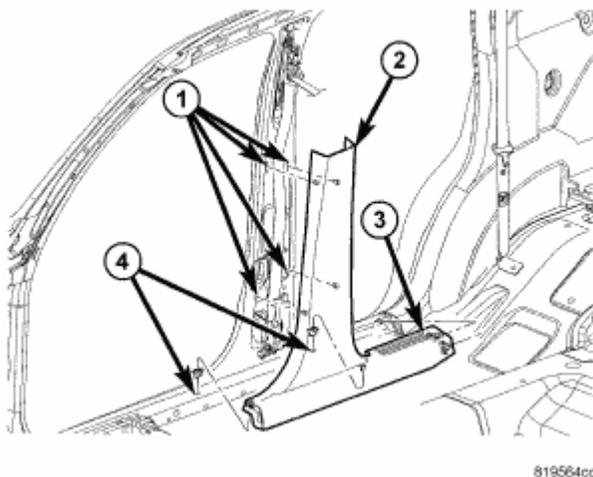


Fig. 352: Lower B Pillar Cover
Courtesy of CHRYSLER LLC

1. Align and install the trim panel clips (3) rearward and into quarter trim panel.
2. Push the trim panel (2) down into the body (4) using hand pressure until all clips are seated.

3. Align and install the trim panel (2) to the body slots (1) on the B-pillar. Snap into place using hand pressure.

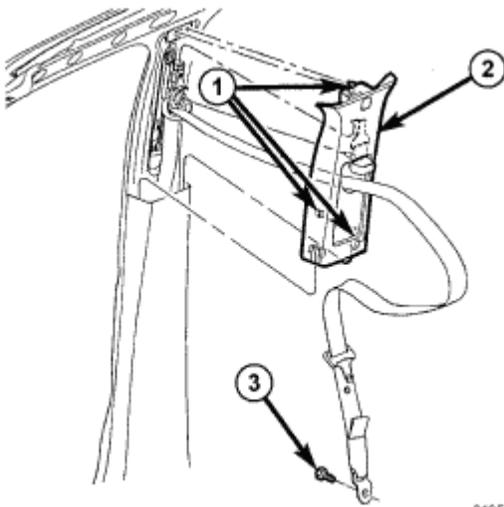
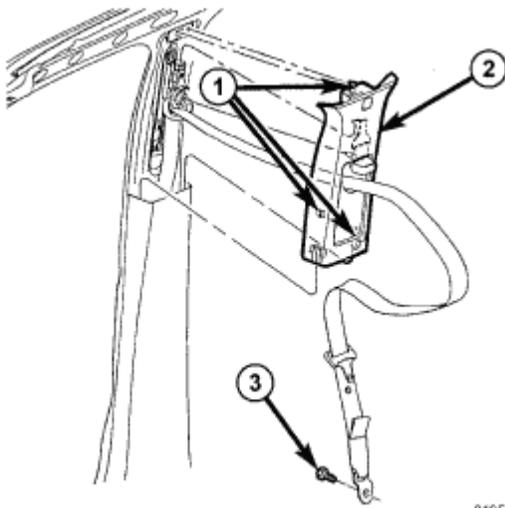
COVER - B PILLAR UPPER**REMOVAL****COVER - B PILLAR UPPER**

Fig. 353: Upper B-Pillar Trim
Courtesy of CHRYSLER LLC

1. Remove the seat belt bolt (3).
2. Using a trim stick C-4755 or equivalent, pry out the screw cover from the top of the trim panel (2), remove the screw.
3. Remove the trim (2) by sliding up and out of the B-pillar lower trim.
4. Remove the seatbelt webbing from the B-pillar upper trim (2).

INSTALLATION**COVER - B PILLAR UPPER**



8195e102

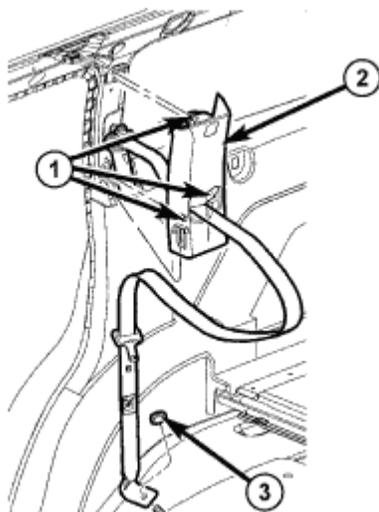
Fig. 354: Upper B-Pillar Trim
 Courtesy of CHRYSLER LLC

1. Feed the seatbelt webbing through the B-pillar trim (2). Slide the belt adjuster to top position.
2. Install the trim (2) by sliding down and into the B-pillar lower trim.
3. Align the 4-way locator and seat the B-pillar trim (2) to the body.
4. Install the screw and screw cover.
5. Install the seat belt bolt (3) and tighten to 44.5 N.m (33 ft. lbs.).

COVER - C PILLAR

REMOVAL

COVER - C PILLAR



819590fe

Fig. 355: C-Pillar Cover
 Courtesy of CHRYSLER LLC

1. Remove the seat belt bolt (3).
2. Using a trim stick C-4755 or equivalent, pry out the screw cover from the top of the trim panel (2), remove the screw.
3. Remove the trim (2) by sliding up and out of the quarter trim molding.
4. Remove the seatbelt webbing from the C-pillar trim (2).

INSTALLATION

COVER - C PILLAR

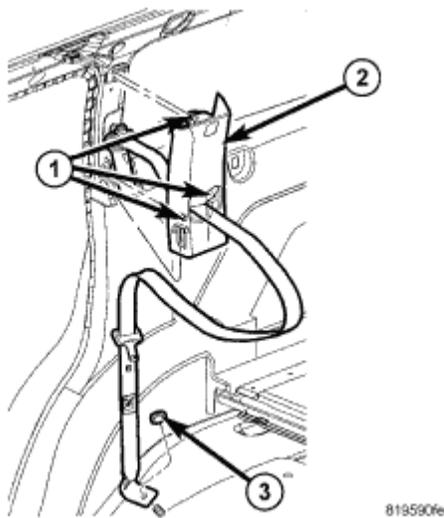


Fig. 356: C-Pillar Cover
Courtesy of CHRYSLER LLC

1. Feed the seatbelt webbing through the C-pillar trim (2).
2. Install the trim (2) by sliding down and into the quarter trim molding.
3. Align the 4-way locator and seat the C-pillar trim (2) to the body.
4. Install the screw and screw cover.
5. Install the seat belt bolt (3) and tighten to 62 N.m (46 ft. lbs.).

CAP - FLOOR CONSOLE END

REMOVAL

CAP - FLOOR CONSOLE END

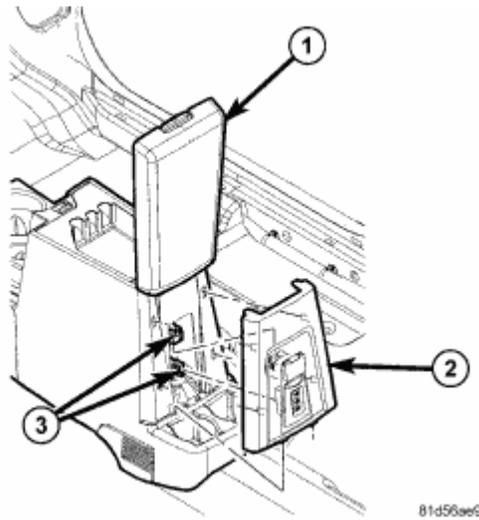


Fig. 357: Console Lid, End Cap & Electrical Connectors
Courtesy of CHRYSLER LLC

1. Open console lid (1).
2. Using a trim stick C-4755 or equivalent, release the fasteners at the four locations around the floor console end cap (2).
3. Disconnect electrical connectors (3) from end cap (2).
4. Remove end cap (2).

INSTALLATION

CAP - FLOOR CONSOLE END

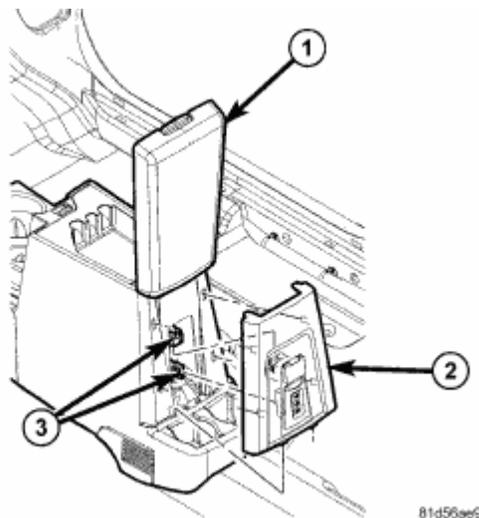


Fig. 358: Console Lid, End Cap & Electrical Connectors
Courtesy of CHRYSLER LLC

1. Connect the electrical connectors (3) to the end cap (2).

2. Align the end cap (2) to the console, use hand pressure to seat the clips.

FLOOR - LOAD

REMOVAL

FLOOR - LOAD

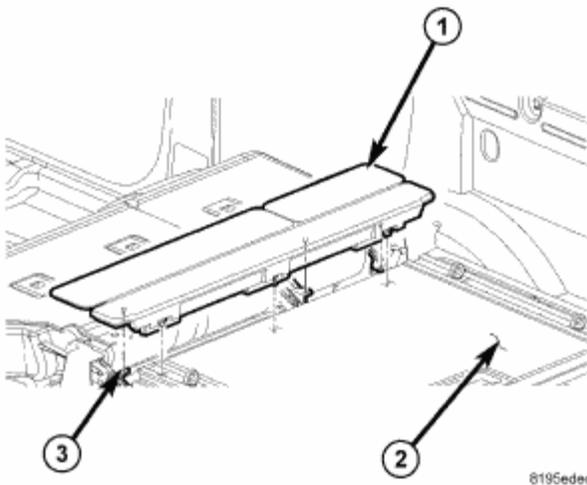


Fig. 359: Load Floor Panel, Load Floor & Rear Seat Bracket
Courtesy of CHRYSLER LLC

1. Position the rear seats in the forward position.
2. Remove the load floor panel (1) from the load floor (2) and the rear seat bracket (3).

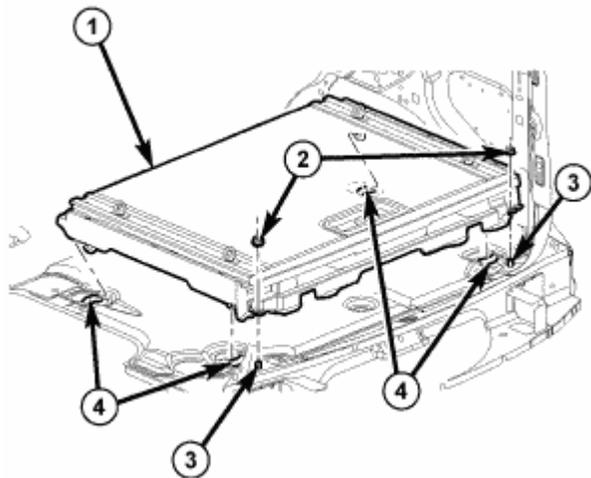


Fig. 360: Load Floor
Courtesy of CHRYSLER LLC

3. Remove the nuts (2) from the load floor (1).

4. Lift the rear of the floor panel (1) up and rearward to release from the body hooks (4).
5. Remove the load floor (1) from the vehicle.

INSTALLATION

FLOOR - LOAD

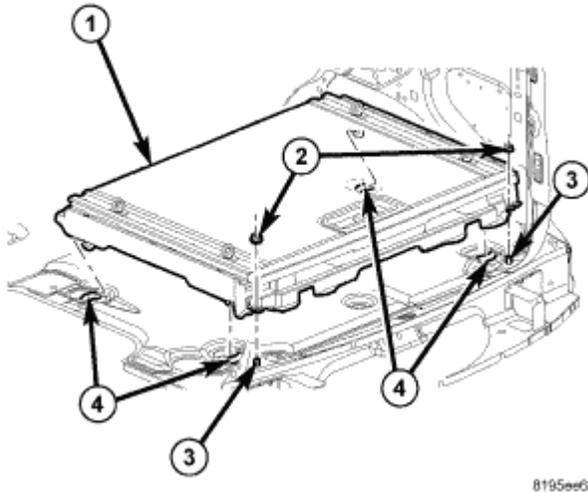


Fig. 361: Load Floor
Courtesy of CHRYSLER LLC

1. Install the load floor (1) to the vehicle.
2. Lift the rear of the floor panel (1) up and forward to catch the hooks (4).
3. Lower the load floor (1) onto the studs (3).
4. Install the nuts (2) to the load floor (1) and tighten the nuts to 28 N.m (20.5 ft. lbs.).

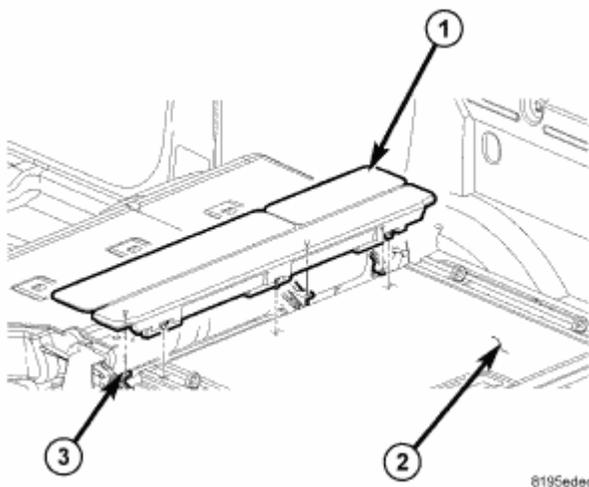


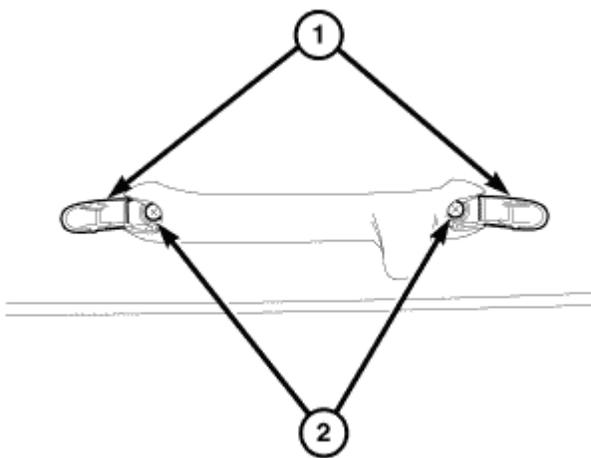
Fig. 362: Load Floor Panel, Load Floor & Rear Seat Bracket
Courtesy of CHRYSLER LLC

5. Install the load floor panel (1) to the load floor (2) and the rear seat bracket (3). Use hand pressure to seat the clips.
6. Return the rear seats in the upright position.

HANDLE - ASSIST

REMOVAL

HANDLE - ASSIST



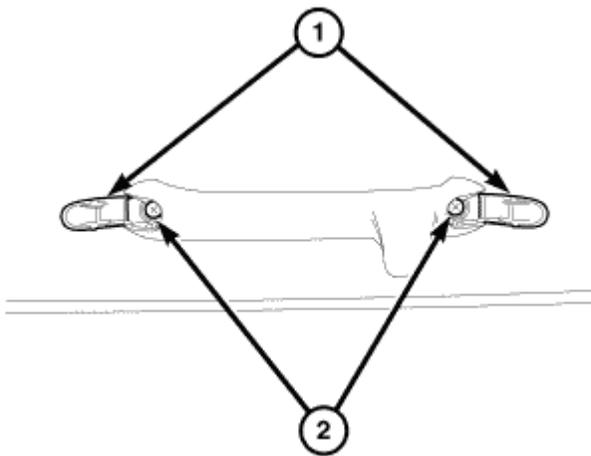
81a6a93c

Fig. 363: Handle Assist
Courtesy of CHRYSLER LLC

1. Using a small pry tool or equivalent, release the assist handle by prying open the covers (1) at either end.
2. Remove the screws (2) from the assist handle.

INSTALLATION

HANDLE - ASSIST



81a6a93c

Fig. 364: Handle Assist

Courtesy of CHRYSLER LLC

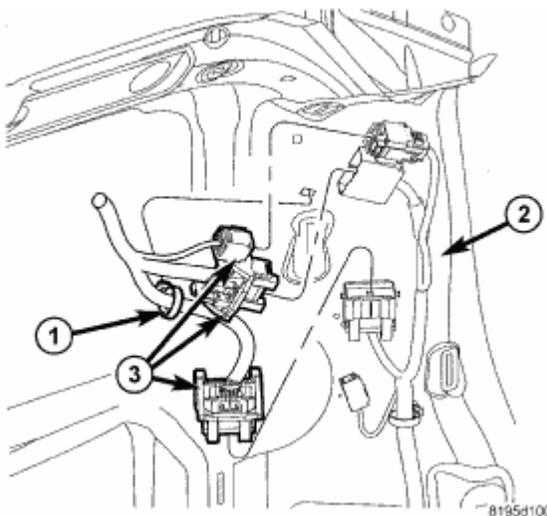
NOTE: Inspect and replace the screw retaining clips if damaged.

1. Position the assist handle to the headliner and install the screws (2).
2. Close the covers (1) on either end of the assist handle.

HEADLINER

REMOVAL

HEADLINER



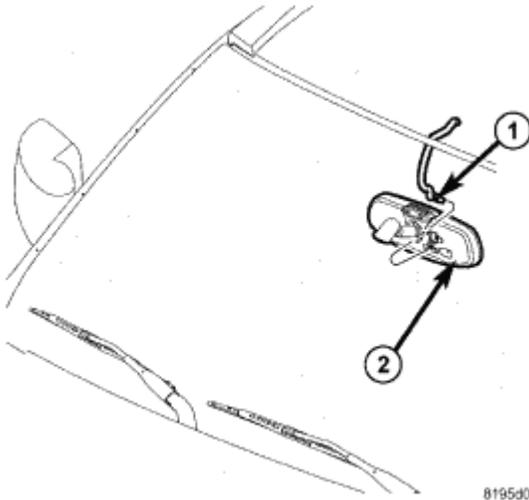
8195d100

Fig. 365: Harness Clip, D-Pillar Body & Body Harness Connectors

Courtesy of CHRYSLER LLC

1. Disconnect the negative battery cable.

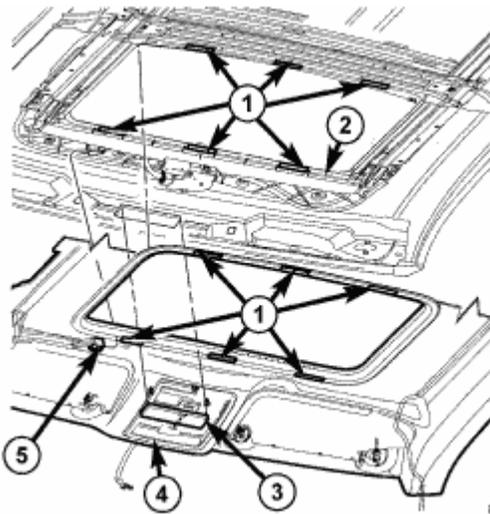
2. If equipped, remove the sunroof opening trim ring.
3. Remove the quarter trim, see **REMOVAL**.
4. Remove the upper B-pillar trim, see **REMOVAL**.
5. Remove the A-pillar trim, see **REMOVAL**.
6. If equipped, remove the overhead console, refer to **REMOVAL**.
7. Remove the sun visor support, see **REMOVAL**.
8. Remove the visors, see **REMOVAL**.
9. Remove the assist handles, see **REMOVAL**.
10. Disconnect the body harness connectors (3).
11. Remove the harness clip (1) from the D-pillar body (2).



8195d082

Fig. 366: Mirror Electrical Connector
 Courtesy of CHRYSLER LLC

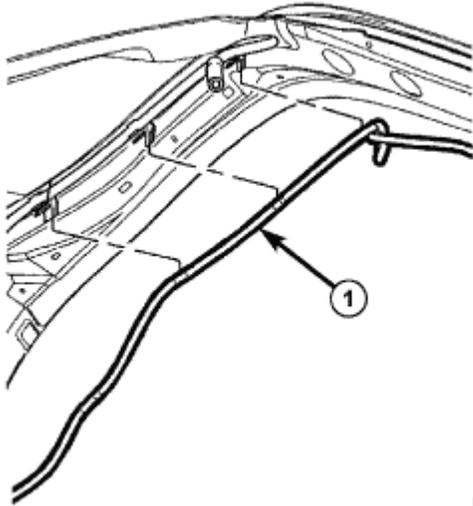
12. If equipped, disconnect the electrical connector (1) from the mirror (2).



8195d27

Fig. 367: Dual Lock Areas, Sunroof, Spacer Foam Blocker, Headliner & Sunroof Motor Jumper
 Courtesy of CHRYSLER LLC

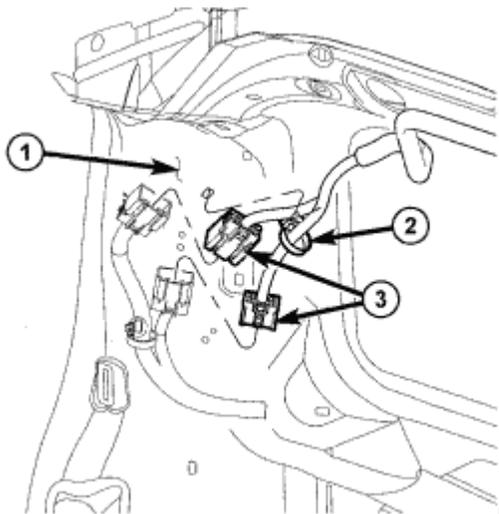
13. Disconnect the sunroof motor jumper (5).
14. Using a trim stick C-4755 or equivalent, separate the dual lock fasteners (1) of the headliner (4) to remove the headliner from the sunroof (2).



8195ce9d

Fig. 368: Lift Gate Washer Hose
 Courtesy of CHRYSLER LLC

15. Cut the lift gate washer hose (1) at the A-pillar.



8195ce10

Fig. 369: DVD Electrical Connector
 Courtesy of CHRYSLER LLC

16. Remove the harness clip (2) from the D-pillar body (1).
17. Disconnect the DVD electrical connectors (3).

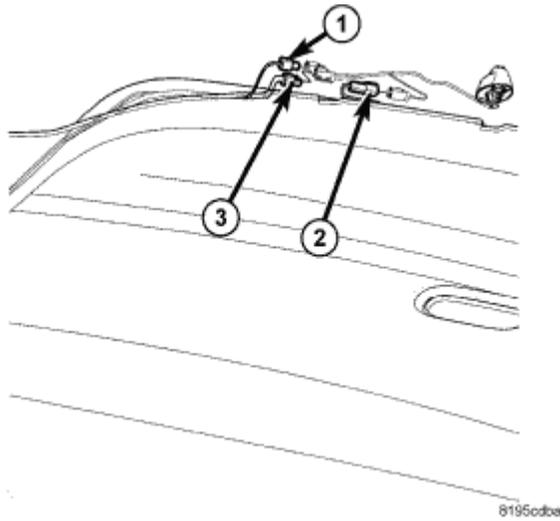


Fig. 370: Satellite Radio Body Antenna Connector, Power Connector & Radio Body Antenna Connector
Courtesy of CHRYSLER LLC

18. If equipped, disconnect the satellite radio body antenna connector (1).
19. Disconnect the power connector (2).
20. Disconnect the radio body antenna connector (3).

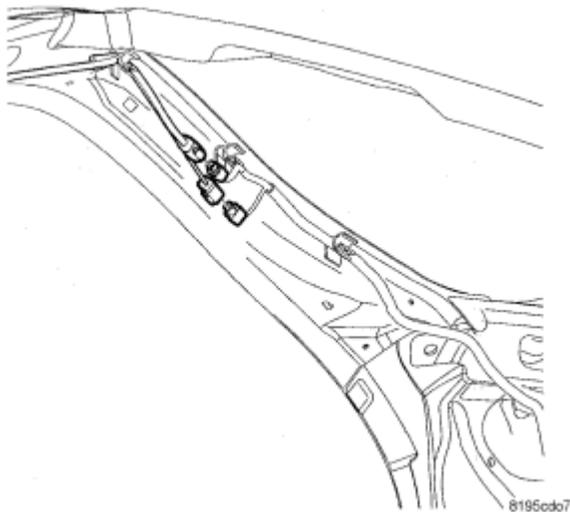


Fig. 371: Radio/Satellite Connections L/F
Courtesy of CHRYSLER LLC

21. Disconnect the radio and/or satellite electrical connectors along the left A-pillar.

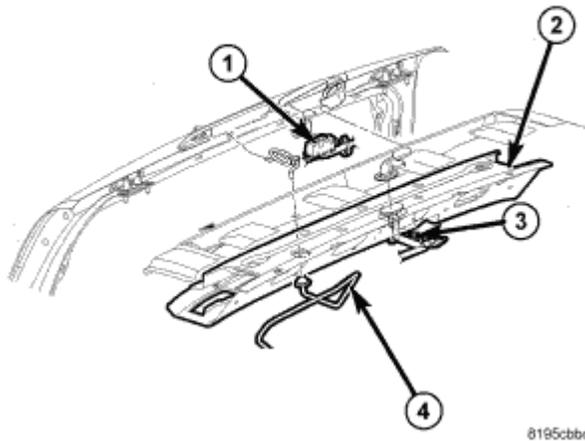


Fig. 372: Headliner Rear Connections
 Courtesy of CHRYSLER LLC

22. Remove the Center High Mount Stop Lamp (CHMSL) and disconnect the lift gate washer hose (4), refer to **REMOVAL** .
23. Disconnect the electrical connector for the lift gate harness (1).
24. Remove the clip (3) from the header roof (2).

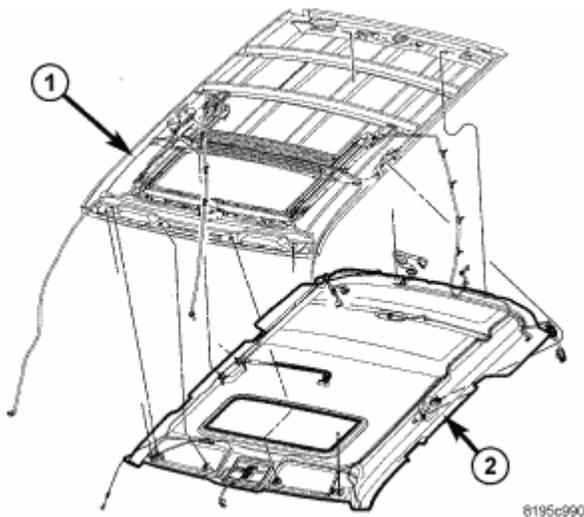


Fig. 373: Headliner & Roof
 Courtesy of CHRYSLER LLC

CAUTION: It is necessary to fold the corner and the side up between the C and D pillar area of the headliner to remove from the vehicle. The corner must be folded up and not down to avoid damaging the headliner.

25. Fold the rear seat in the down position and remove the headliner (2) from the roof (1).

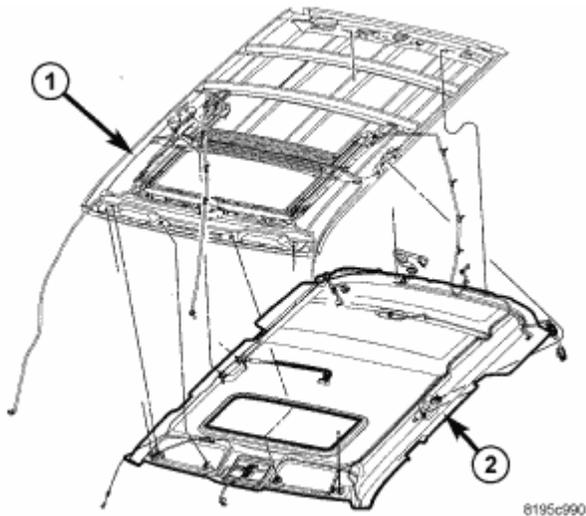
INSTALLATION**HEADLINER**

Fig. 374: Headliner & Roof
 Courtesy of CHRYSLER LLC

CAUTION: It is necessary to fold the corner and the side up between the C and D pillar area of the headliner to remove from the vehicle. The corner must be folded up and not down to avoid damaging the headliner.

1. Install the headliner (2) to the roof (1).

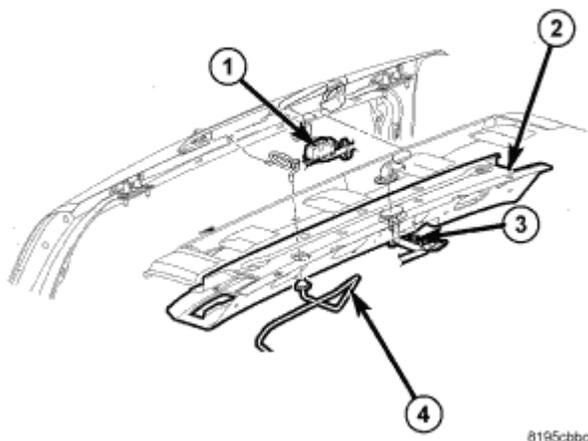


Fig. 375: Headliner Rear Connections
 Courtesy of CHRYSLER LLC

2. Connect the lift gate washer drain hose (4) to the Center High Mounted Stop Lamp (CHMSL) and install to the lift gate, refer to **INSTALLATION**.

3. Connect the electrical connector for the lift gate harness (1).
4. Install the clip (3) to the header roof (2).

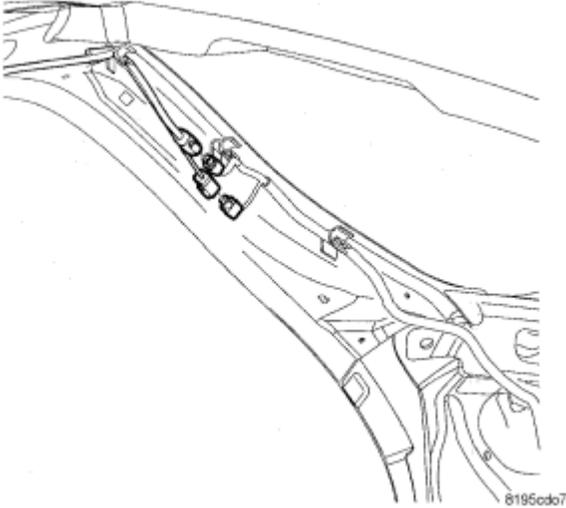


Fig. 376: Radio/Satellite Connections L/F
Courtesy of CHRYSLER LLC

5. Connect the radio and/or satellite electrical connectors along the left A-pillar.

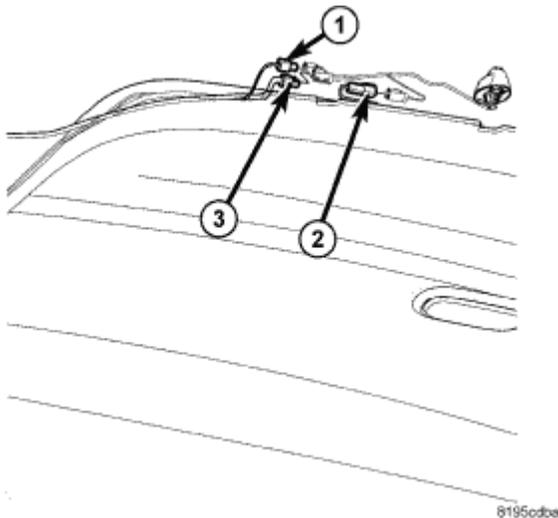


Fig. 377: Satellite Radio Body Antenna Connector, Power Connector & Radio Body Antenna Connector
Courtesy of CHRYSLER LLC

6. Connect the satellite radio body antenna connector (1).
7. Connect the power connector (2).
8. Connect the radio body antenna connector (3).

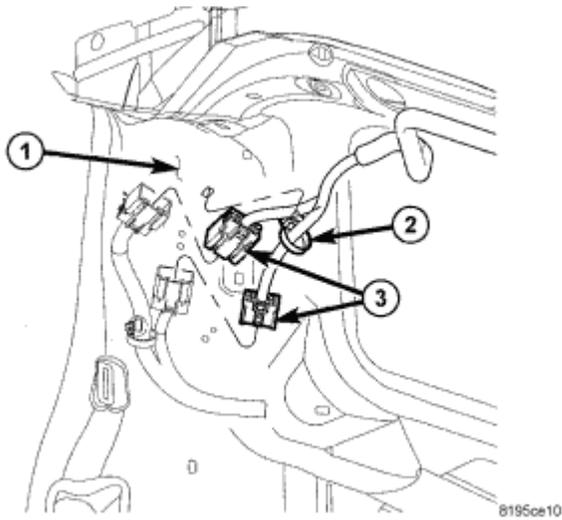


Fig. 378: DVD Electrical Connector
Courtesy of CHRYSLER LLC

9. Attach the harness clip (2) to the D-pillar body (1).
10. Connect the DVD electrical connectors (3).

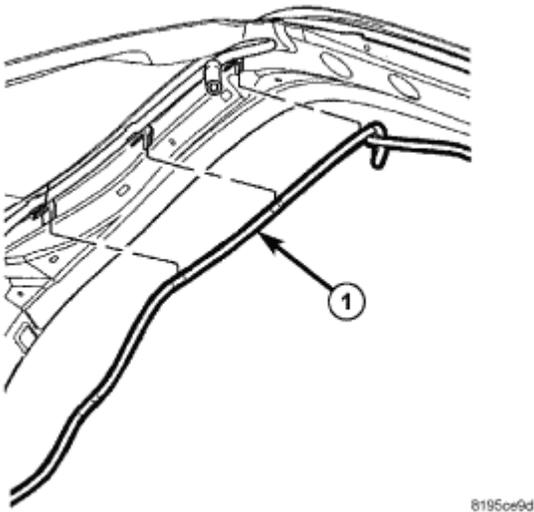


Fig. 379: Lift Gate Washer Hose
Courtesy of CHRYSLER LLC

NOTE: Install a union where the lift gate washer hose was cut during removal.

11. Connect the lift gate washer hoses (1) with a union at the A-pillar.

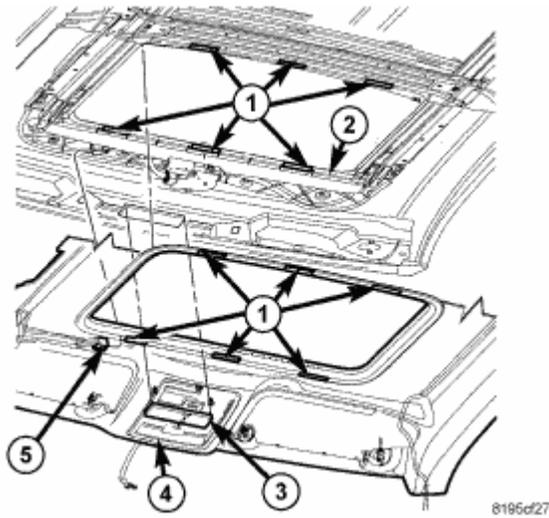


Fig. 380: Dual Lock Areas, Sunroof, Spacer Foam Blocker, Headliner & Sunroof Motor Jumper
Courtesy of CHRYSLER LLC

12. Connect the sunroof motor jumper (5).
13. Remove the tape backing from the spacer foam blocker (3), use hand pressure on the foam blocker to stick the headliner and the sunroof together.
14. Use hand pressure at the dual lock areas (1) of the headliner (4) to make sure the headliner sticks to the sunroof (2).

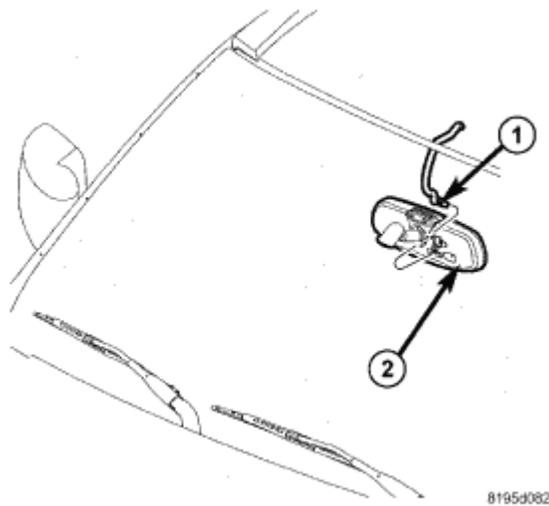


Fig. 381: Mirror Electrical Connector
Courtesy of CHRYSLER LLC

15. Connect the electrical connector (1) for the mirror (2).

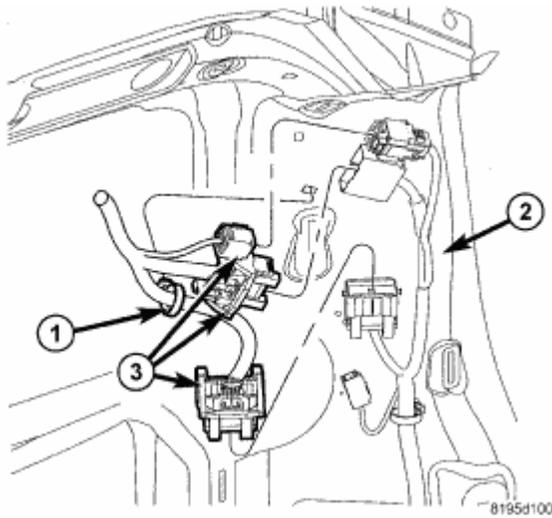


Fig. 382: Harness Clip, D-Pillar Body & Body Harness Connectors
Courtesy of CHRYSLER LLC

16. Connect the body harness connectors (3).
17. Attach the harness clip (1) to the D-pillar body (2).
18. Install the assist handles, see **INSTALLATION**.
19. Install the visors, see **INSTALLATION**.
20. Install the visor supports, see **INSTALLATION**.
21. Install the overhead console, refer to **INSTALLATION** .
22. Install the A-pillar trim and grab handles, see **INSTALLATION**.
23. Install the upper B-pillar trim, see **INSTALLATION**.
24. Install the quarter trim panels, see **INSTALLATION**.
25. Install the sunroof opening trim ring, if equipped.
26. Connect the negative battery cable.

LATCH - ARMREST LID

REMOVAL

LATCH - ARMREST LID

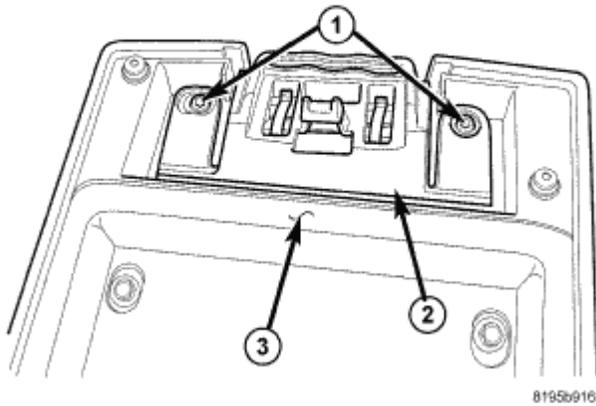


Fig. 383: Armrest Lid Latch
Courtesy of CHRYSLER LLC

NOTE: Using a grease pencil or equivalent, mark location of lid latch (2) on the console lid (3) for installation alignment.

1. Remove the two screws (1) attaching the console lid latch (2) to the console lid (3).
2. Remove the lid latch (2) from the console lid (3).

INSTALLATION

LATCH - ARMREST LID

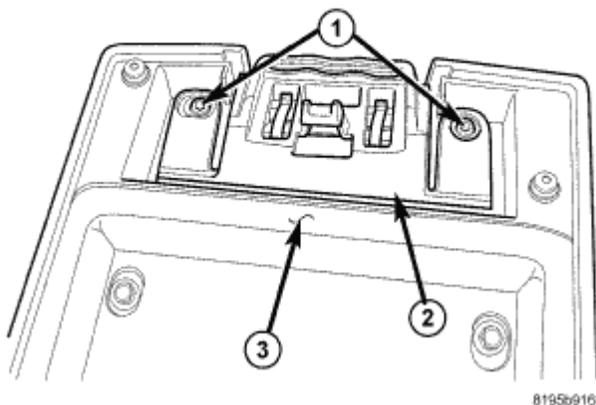


Fig. 384: Armrest Lid Latch
Courtesy of CHRYSLER LLC

NOTE: Align the lid latch (2) with the reference marks made during removal.

1. Install the two screws (1) attaching the console lid latch (2) to the console lid (3).
2. Check the adjustment of the lid latch (2) and adjust as necessary by loosening the two screws (1) and moving the lid latch (2) right or left as needed until the console lid (3) closes properly.

LID - FLOOR CONSOLE

REMOVAL

LID - FLOOR CONSOLE

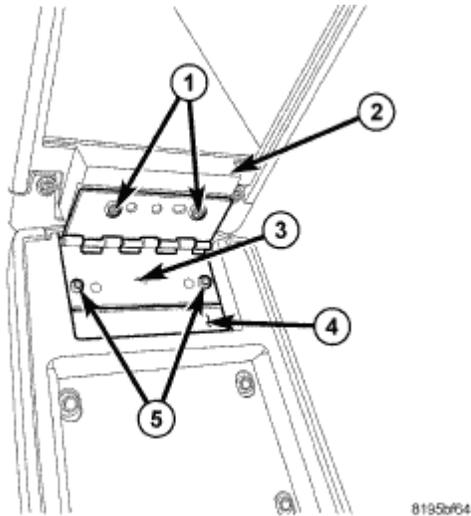


Fig. 385: Screws, Console Lid, Hinge & Console
Courtesy of CHRYSLER LLC

1. Remove the two screws (1) attaching the console lid (2) to the hinge (3).
2. Remove the console lid (2) from the hinge (3).
3. Remove the two screws (5) attaching the hinge (3) to the console (4).
4. Remove the hinge (3) from the console (4).

INSTALLATION

LID - FLOOR CONSOLE

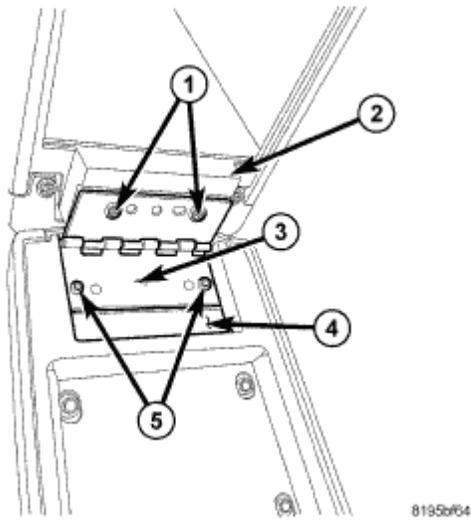


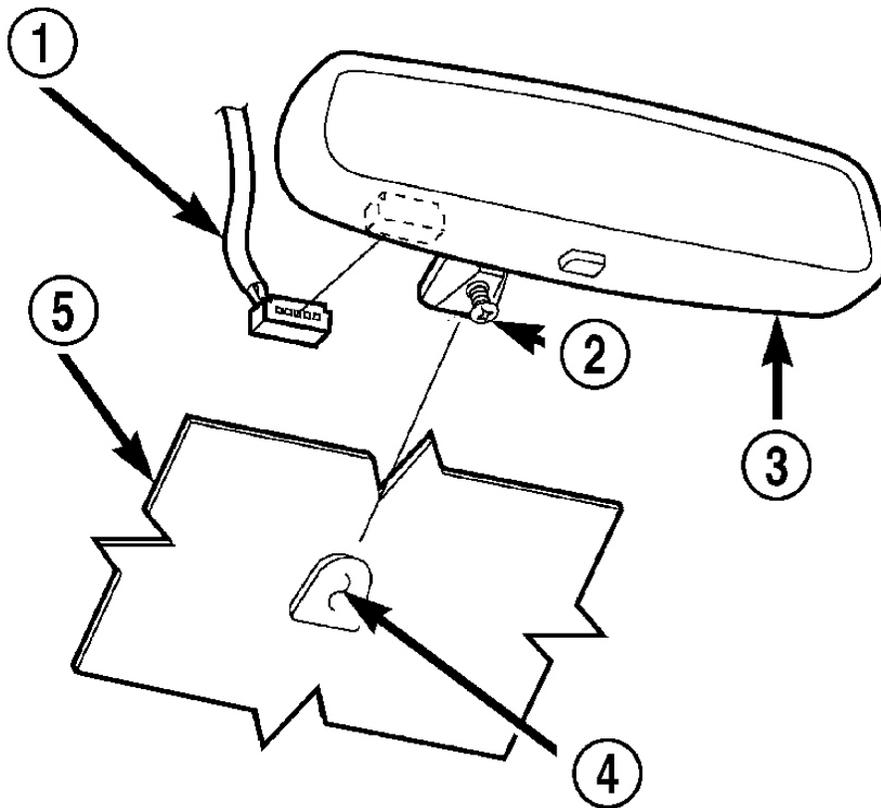
Fig. 386: Screws, Console Lid, Hinge & Console
Courtesy of CHRYSLER LLC

1. Install the hinge (3) to the console (4).
2. Install the two screws (5) attaching hinge (3) to the console (4).
3. Install the console lid (2) to the hinge (3).
4. Install the two screws (1) attaching the console lid (2) to the hinge (3).

MIRROR - REAR VIEW

REMOVAL

MIRROR - REAR VIEW



80b3c6eb

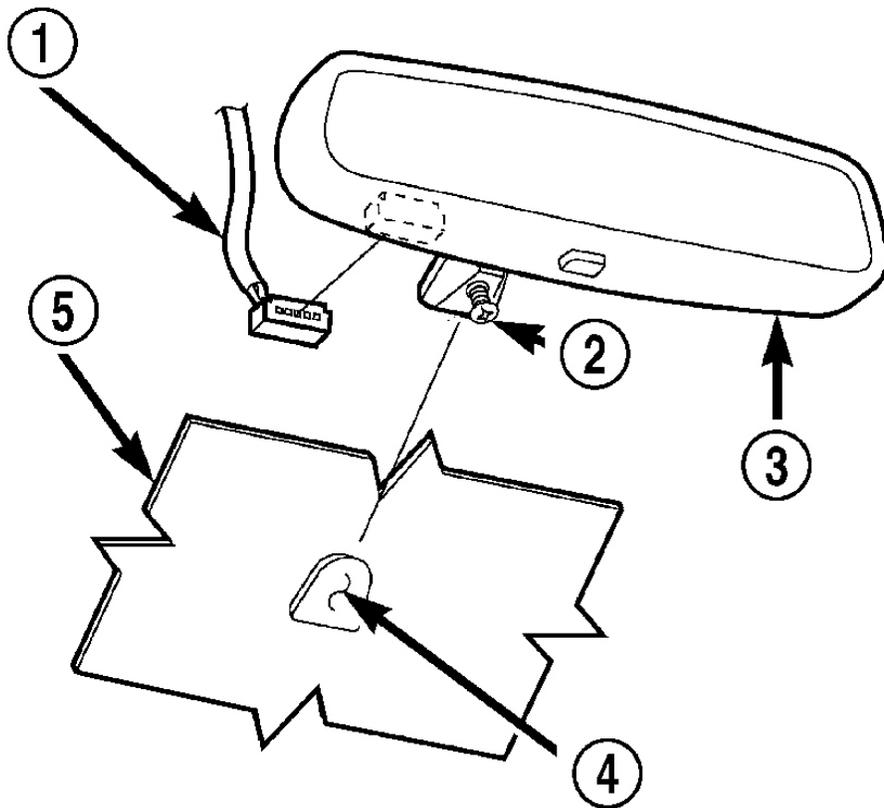
Fig. 387: Removing/Installing Rear View Mirror
Courtesy of CHRYSLER LLC

- 1 - CONNECTOR
- 2 - SCREW
- 3 - REAR VIEW MIRROR
- 4 - SUPPORT BUTTON
- 5 - WINDSHIELD

1. If equipped, disconnect mirror harness connector.
2. Loosen the mirror base setscrew.
3. Slide the mirror base upward and off the bracket.

INSTALLATION

MIRROR - REAR VIEW



80b3c6eb

Fig. 388: Removing/Installing Rear View Mirror
 Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - CONNECTOR
2 - SCREW
3 - REAR VIEW MIRROR
4 - SUPPORT BUTTON
5 - WINDSHIELD |
|--|

1. Position the mirror base at the bracket and slide it downward onto the support bracket.
2. Tighten the setscrew 1 N.m (15 in. lbs.) torque.
3. If equipped, connect mirror harness connector.

REAR VIEW MIRROR - SUPPORT BRACKET

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.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

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.

MOLDING - A PILLAR

REMOVAL

MOLDING - A PILLAR

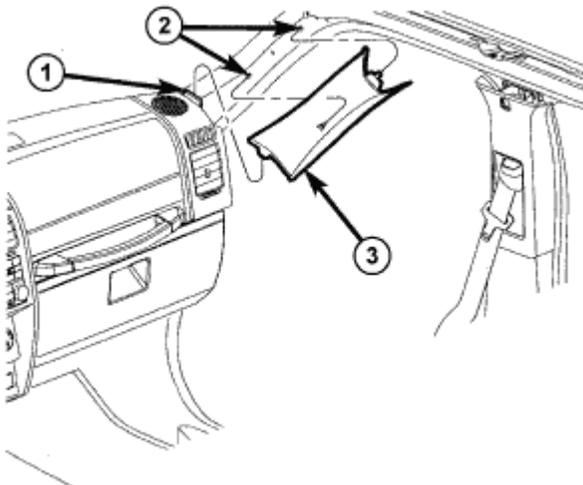


Fig. 389: Instrument Panel, Slots & Moldings

Courtesy of CHRYSLER LLC

1. Using a small pry tool or equivalent, lift the A-pillar trim molding (3) from the A-pillar slots (2) releasing the clips on the molding.

NOTE: The top tethered clip has a locking tab that needs to be lifted in order for clip to slide out of the trim attachment point.

2. Remove the top clip from the trim molding.

INSTALLATION

MOLDING - A PILLAR

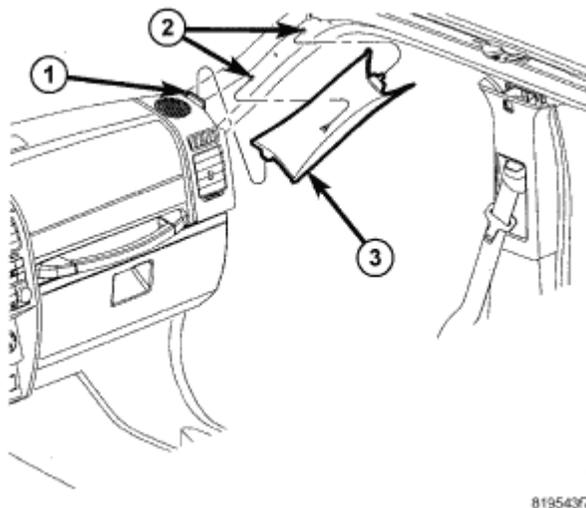


Fig. 390: Instrument Panel, Slots & Moldings

Courtesy of CHRYSLER LLC

1. Align the A-pillar trim tab on the molding (3) to the top cover slot of the instrument panel (1).
2. Install the top clip on the trim molding.
3. Align the two clips on the molding to the slots (2) on the A-pillar. Snap the A-pillar trim molding (3) into place using hand pressure.

MOLDING - HEADLINER

REMOVAL

MOLDING - HEADLINER

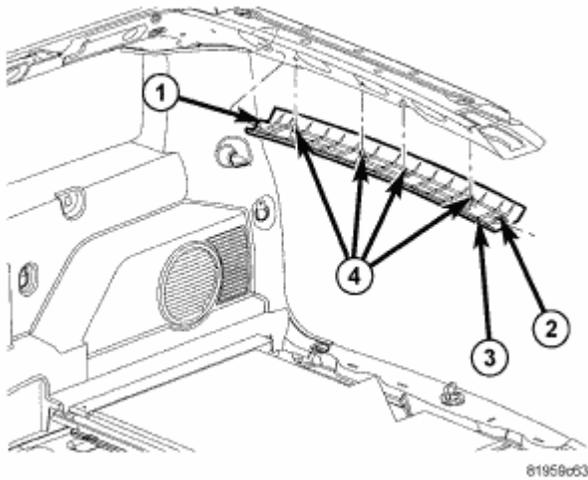


Fig. 391: Headliner Molding
 Courtesy of CHRYSLER LLC

1. Open the lift gate.

NOTE: Align second clip from Right (Cross Car Locator) to its slot first. This helps line up the rest of clips.

2. Pull down at the center of the headliner molding (3) only enough to allow the tab (2) to be released from the quarter trim molding.
3. Carefully pull down to remove the remaining clips (4) attaching the molding to the body then move the molding to the left to released the tab from the quarter trim molding.

INSTALLATION

MOLDING - HEADLINER

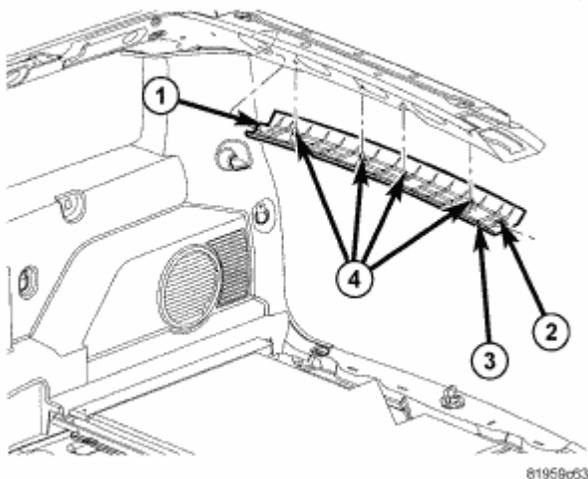


Fig. 392: Headliner Molding

Courtesy of CHRYSLER LLC

1. Install the headliner molding (3) to the body by sliding the tab (1) on the right side into the quarter trim molding.
2. Pull down at the center of the headliner molding (3) only enough to allow the tab (2) to be slide into the other side of the quarter trim molding.
3. Using hand pressure snap the remaining clips (4) into place.
4. Close the lift gate.

PANEL - COWL SIDE

REMOVAL

PANEL - COWL SIDE

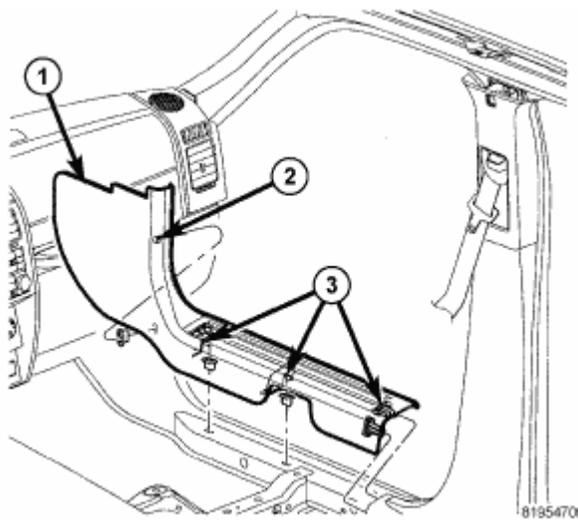


Fig. 393: Cowl Trim Panel

Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, remove the cowl trim cover (1) by pulling it away from the A-pillar and releasing the clip (2), continue lifting up the cowl trim panel (1) to release the clips (3) from the body.

INSTALLATION

PANEL - COWL SIDE

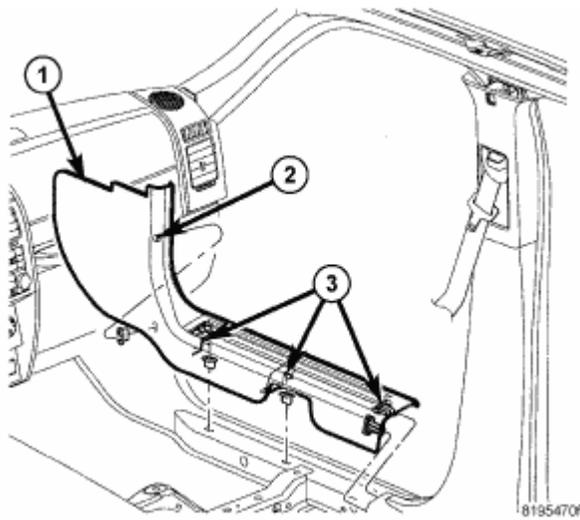


Fig. 394: Cowl Trim Panel
Courtesy of CHRYSLER LLC

1. Align and install the cowl trim cover (1) by sliding the rear tabs of the cowl trim cover under the B-pillar trim.

CAUTION: When installing the cowl trim cover make sure not to damage the body plugs around the sill area. If damage occurs to the body plugs replace with new plugs. Failure to replace a damaged body plug will result in a water leak to the floor area of the vehicle.

2. Using hand pressure install the clips (3) into the body and the A-pillar (2).

PANEL - LOAD FLOOR

REMOVAL

PANEL - LOAD FLOOR

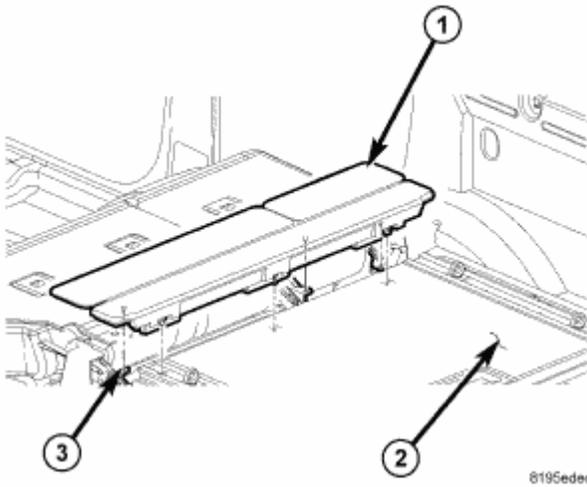


Fig. 395: Load Floor Panel, Load Floor & Rear Seat Bracket
Courtesy of CHRYSLER LLC

1. Position the rear seats in the forward position.
2. Remove the load floor panel (1) from the load floor (2) and the rear seat bracket (3).

INSTALLATION

PANEL - LOAD FLOOR

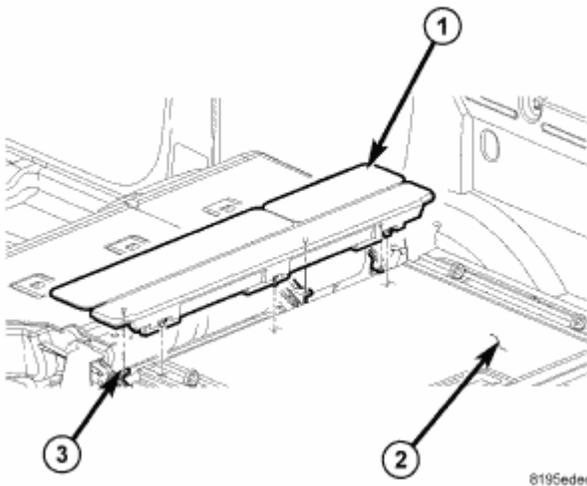
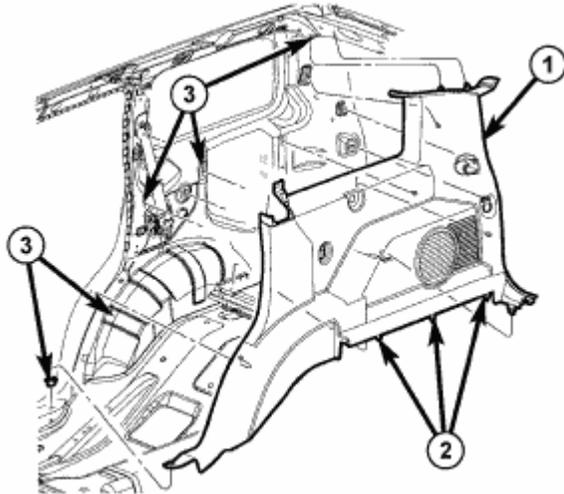


Fig. 396: Load Floor Panel, Load Floor & Rear Seat Bracket
Courtesy of CHRYSLER LLC

1. Install the load floor panel (1) to the load floor (2) and the rear seat bracket (3). Use hand pressure to seat the clips.
2. Return the rear seats in the upright position.

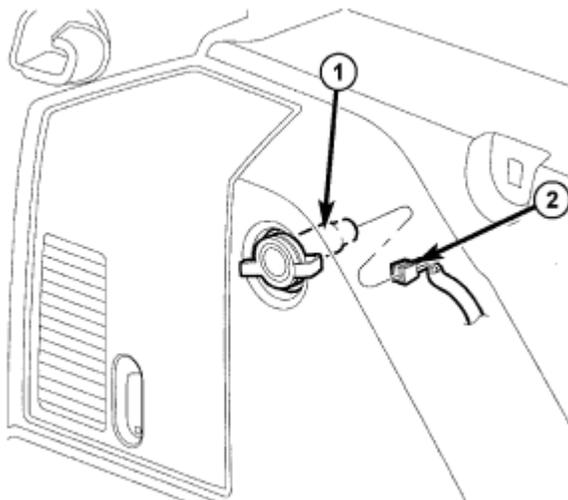
PANEL - QUARTER TRIM

REMOVAL**PANEL - QUARTER TRIM**

8195a236

Fig. 397: Quarter Trim Panel
 Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, remove the rear door scuff plate, see **REMOVAL**.
2. Fold down the rear seat.
3. Remove the C-pillar cover, see **REMOVAL**.
4. Remove the screws and the cargo tie downs.
5. Remove the quarter trim panel (1) by carefully pulling at the clip locations (3).



8195a23d

Fig. 398: Quarter Trim Panel Electrical Connector
 Courtesy of CHRYSLER LLC

6. If replacing the left side quarter trim panel disconnect the 12v power supply electrical connector (2) from

the socket (1).

INSTALLATION

PANEL - QUARTER TRIM

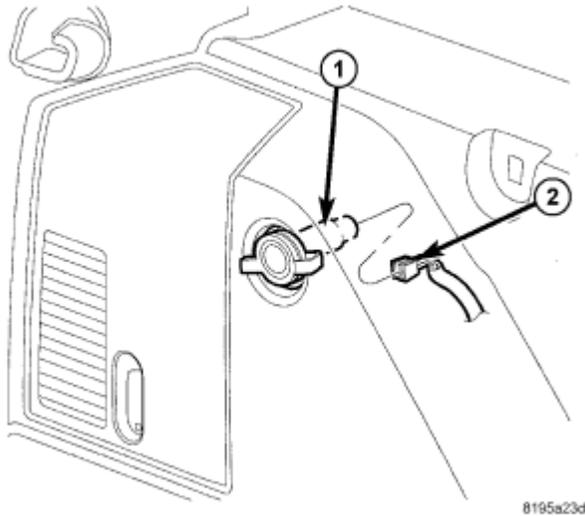


Fig. 399: Quarter Trim Panel Electrical Connector
Courtesy of CHRYSLER LLC

1. If installing the left side quarter trim panel connect the 12v power supply electrical connector (2) from the socket (1).

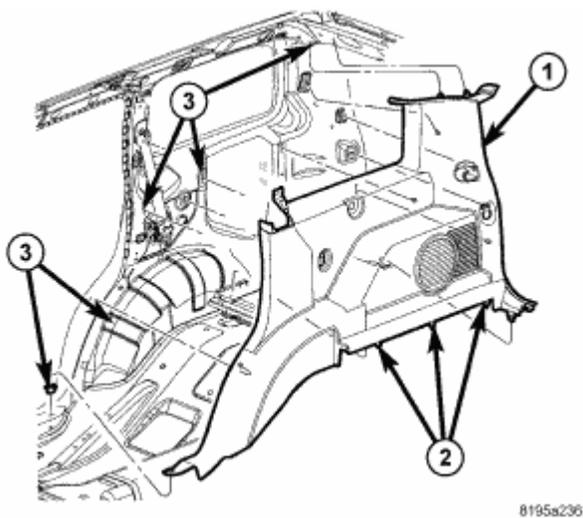


Fig. 400: Quarter Trim Panel
Courtesy of CHRYSLER LLC

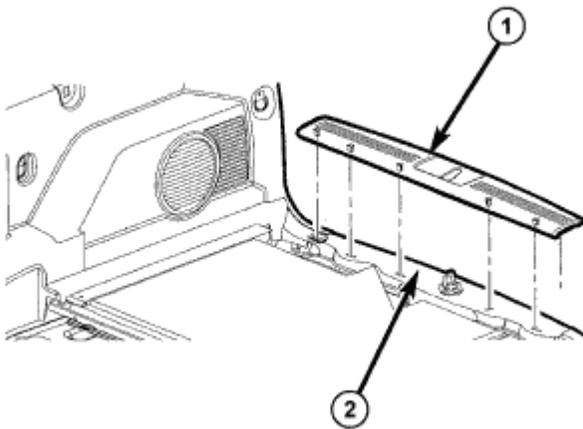
2. Install the quarter trim panel (1) to the inside of the vehicle, carefully align and install the bottom of the quarter trim panel slots into the load floor first. Then continue to seat the remaining clips on the panel, working from the bottom up. Use hand pressure to seat the clips (3).

3. Install the cargo tie downs and tighten the screw.
4. Install the rear door scuff plate, see **INSTALLATION**.
5. Install the C-pillar cover, see **INSTALLATION**.
6. Return the rear seat to the up position.

PLATE - SCUFF

REMOVAL

PLATE - SCUFF



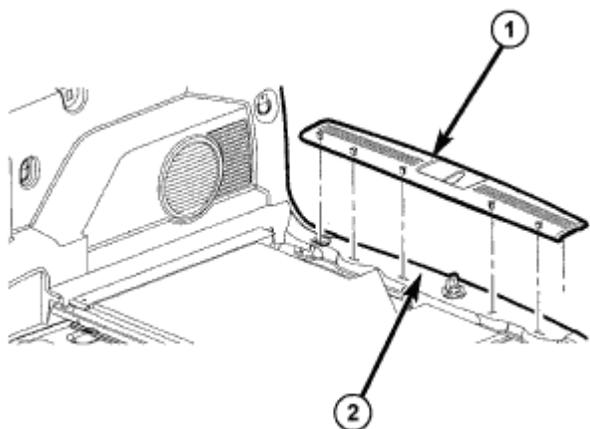
81954a22

Fig. 401: Rear Door Scuff Plate
Courtesy of CHRYSLER LLC

1. Open the lift gate.
2. Using a trim stick C-4755 or equivalent, release the retaining clips and remove the scuff plate (1) from the body (2).

INSTALLATION

PLATE - SCUFF



81954a22

Fig. 402: Rear Door Scuff Plate
Courtesy of CHRYSLER LLC

1. Align the trim clips and use hand pressure to install the scuff plate (1) to the body (2).
2. Close the lift gate.

SUPPORT - SUN VISOR

REMOVAL

SUPPORT - SUN VISOR

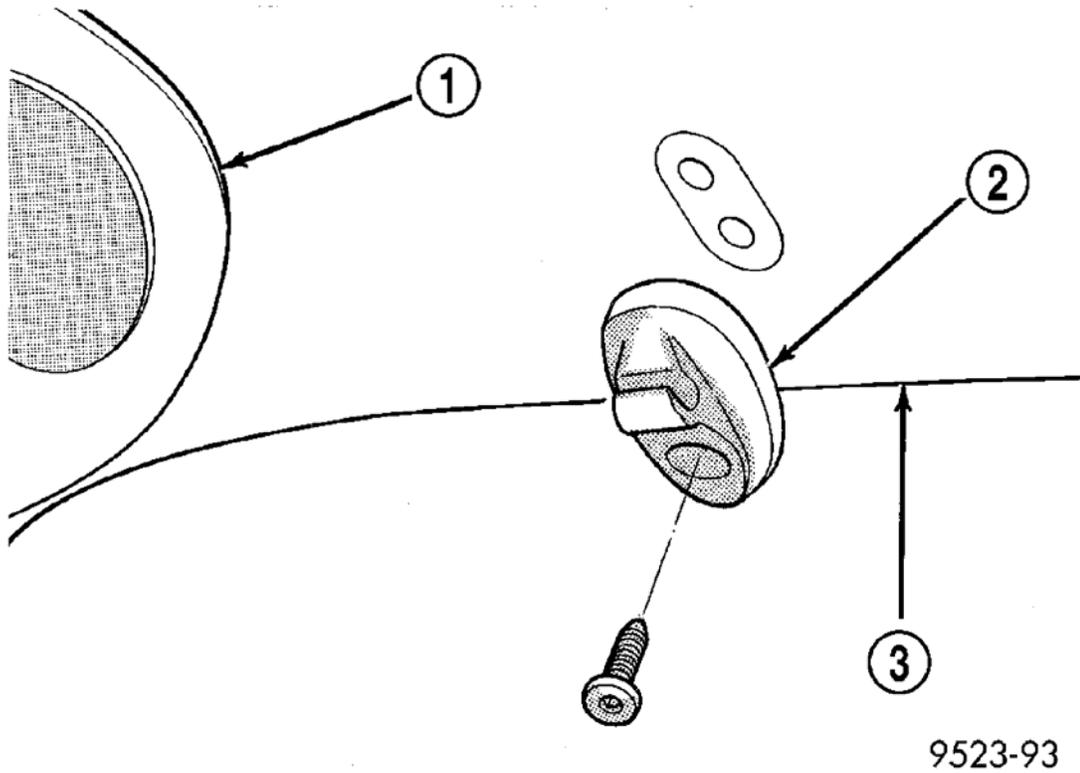


Fig. 403: Removing/Installing Sun Visor Support
Courtesy of CHRYSLER LLC

1. Disengage the sun visor (1) from the sun visor support (2).
2. Remove the screw that secures the support to the roof panel and remove the support from the headliner (3).

INSTALLATION

SUPPORT - SUN VISOR

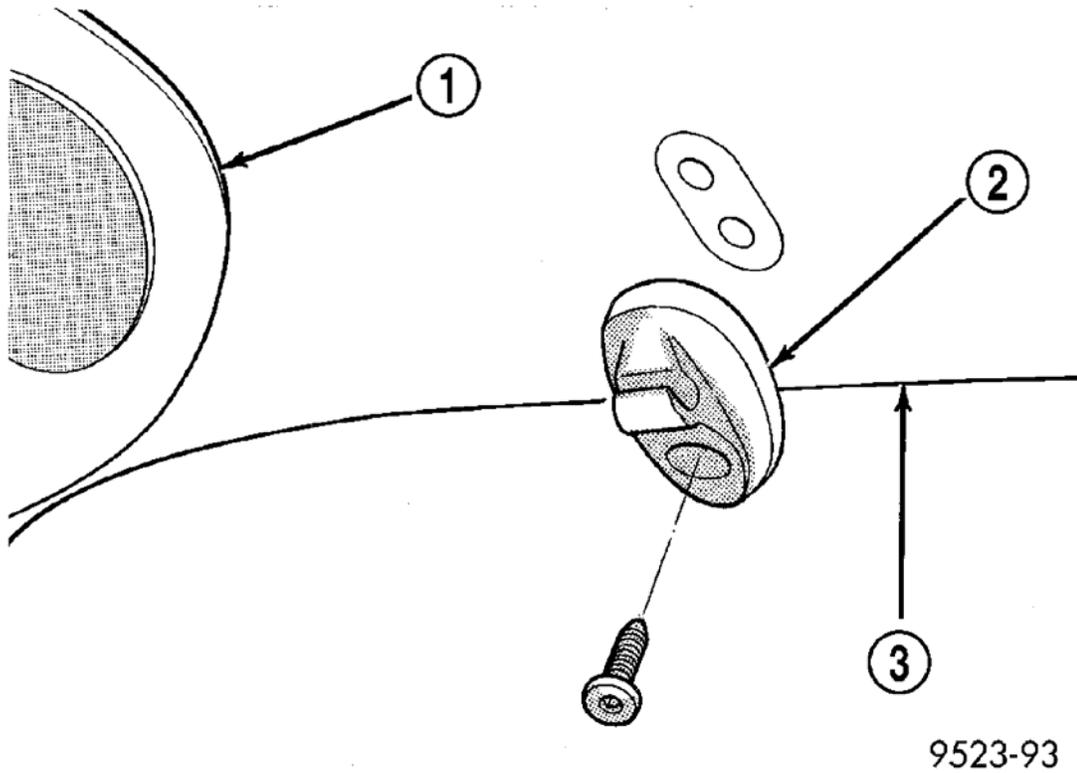


Fig. 404: Removing/Installing Sun Visor Support
Courtesy of CHRYSLER LLC

1. Position the sun visor support (2) on the headliner (3) and install the screw that secures the support to the roof panel.
2. Engage the sun visor (1) and sun visor support.

VISOR - SUN

REMOVAL

VISOR - SUN

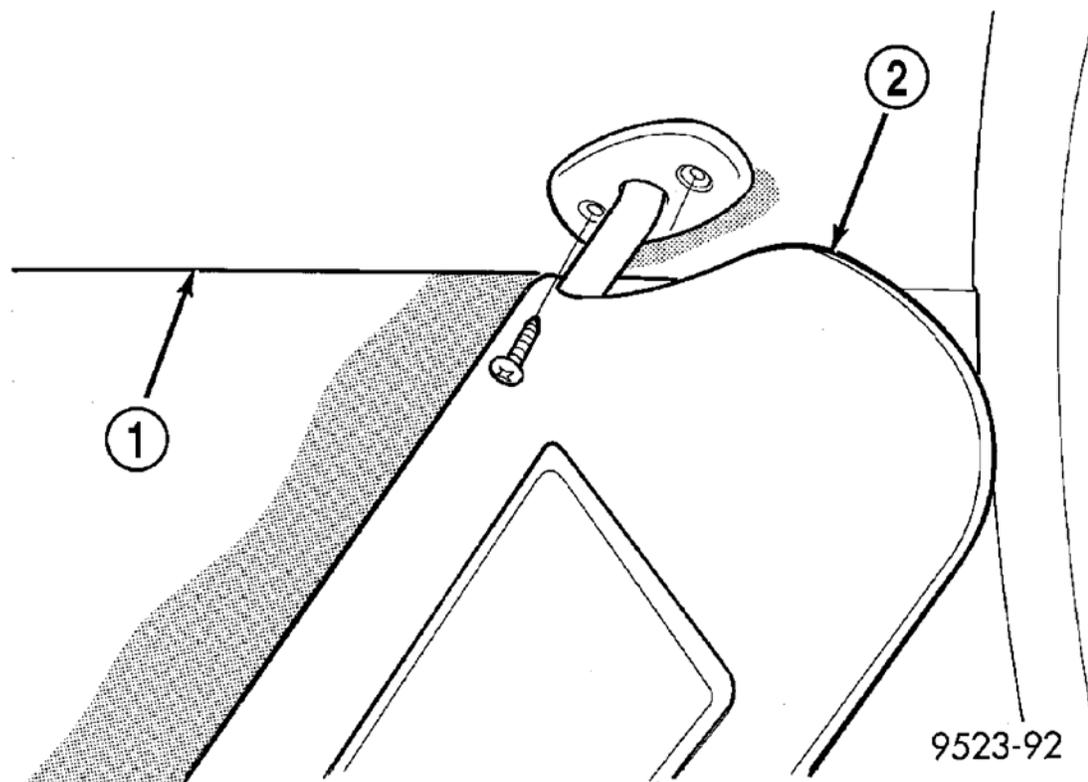


Fig. 405: Removing/Installing Sun Visor

Courtesy of CHRYSLER LLC

1. Remove the two screws and remove the sun visor (2) from the headliner/roof assembly (1).
2. If equipped, disconnect the illuminated vanity mirror wire harness connector.

INSTALLATION

VISOR - SUN

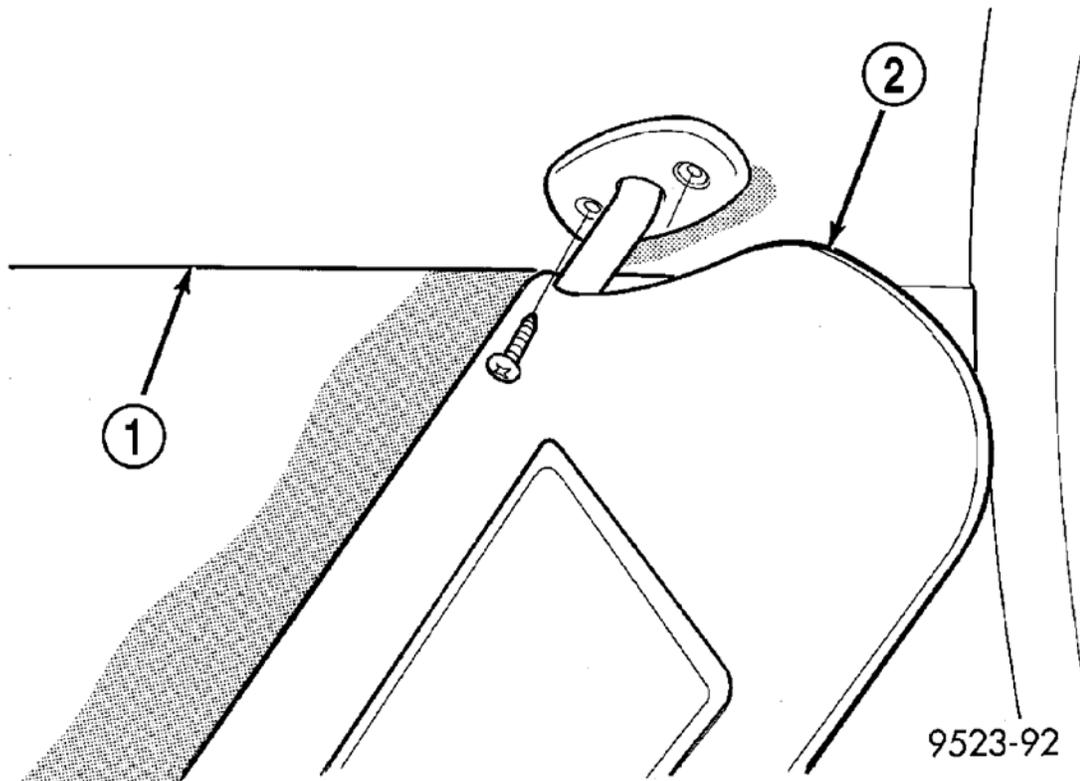


Fig. 406: Removing/Installing Sun Visor

Courtesy of CHRYSLER LLC

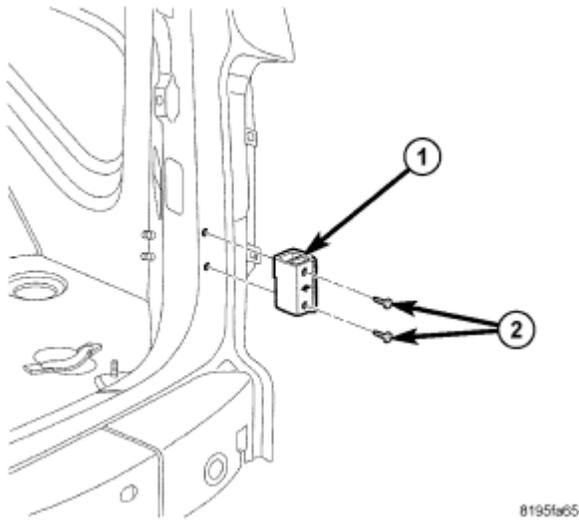
1. If equipped, connect the illuminated vanity mirror wire harness connector.
2. Position the sun visor (2) to the headliner/roof (1) and install the screws. Tighten the screws to 2 N.m (20 in. lbs.).

LIFT GATE

BUMPER - LIFTGATE

REMOVAL

BUMPER - LIFTGATE



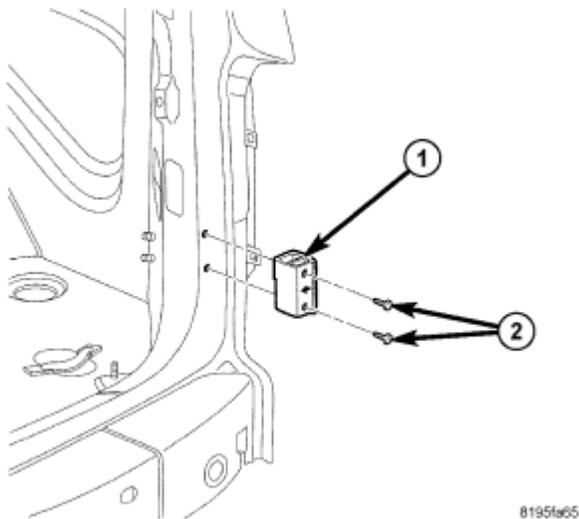
8195ta65

Fig. 407: Lift Gate Bumper
Courtesy of CHRYSLER LLC

1. Open the lift gate.
2. Remove the screws (2) and bumper (1) from the body.

INSTALLATION

BUMPER - LIFTGATE



8195ta65

Fig. 408: Lift Gate Bumper
Courtesy of CHRYSLER LLC

NOTE: Make sure the bumper is properly oriented with printed arrows pointing inboard.

1. Install the bumper (1) and screws (2) to the body and tighten to 12 N.m (106 in. lbs.).

2. Close the lift gate.

HANDLE - EXTERIOR

REMOVAL

HANDLE - EXTERIOR

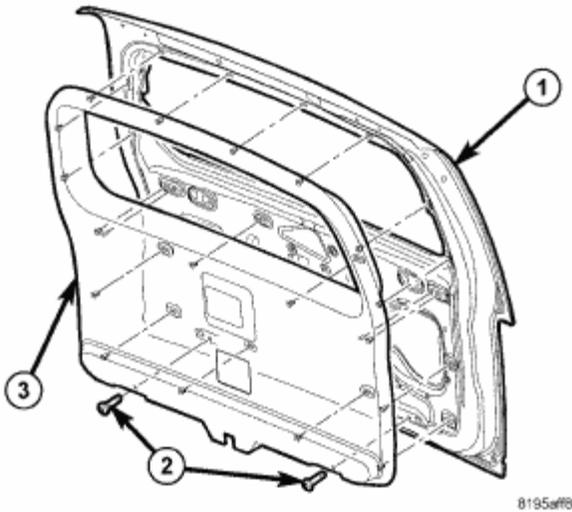


Fig. 409: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

1. Remove two bolts (2) from the lower trim panel (3).
2. Using a trim stick C-4755 or equivalent, release the fasteners at all of the locations around the trim panel (3).
3. Lift the trim panel (3) from the lift gate (1).

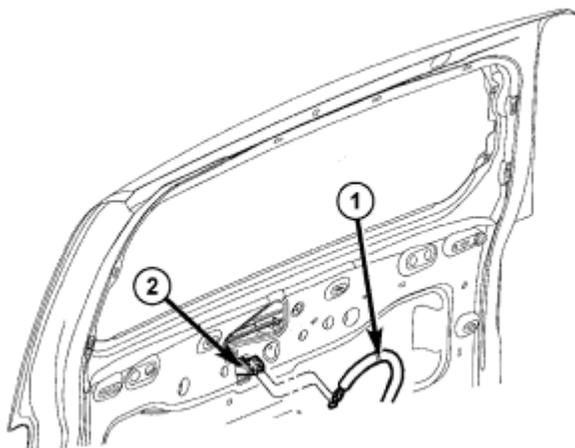


Fig. 410: Latch Cable
Courtesy of CHRYSLER LLC

4. Disconnect the latch cable (1) from the lift gate handle (2).

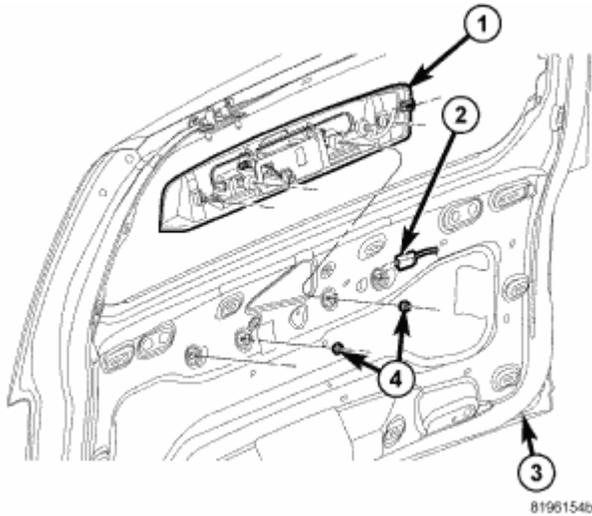


Fig. 411: Exterior Lift Gate Handle
Courtesy of CHRYSLER LLC

5. Remove the two nuts (4).
6. Disconnect the electrical connector (2).
7. Using a trim stick C-4755 or equivalent, remove the exterior lift gate handle (1) from the lift gate (3).

INSTALLATION

HANDLE - EXTERIOR

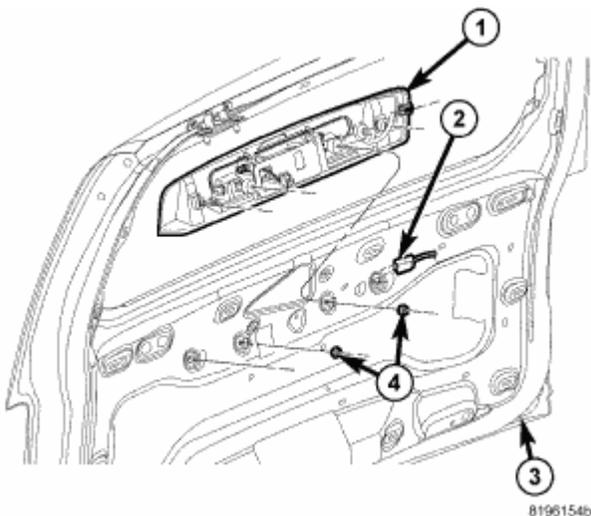
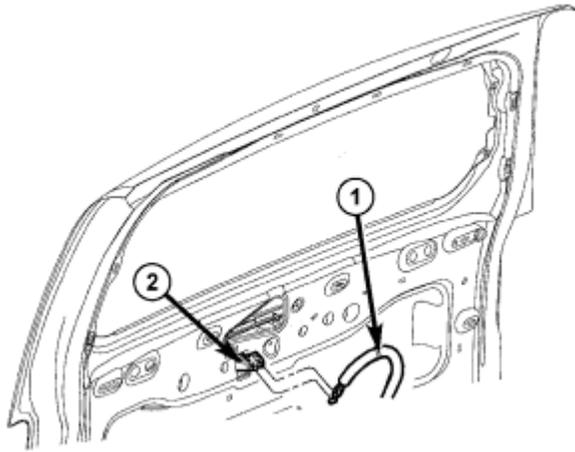


Fig. 412: Exterior Lift Gate Handle
Courtesy of CHRYSLER LLC

1. Install the exterior lift gate handle (1) to the lift gate (3).

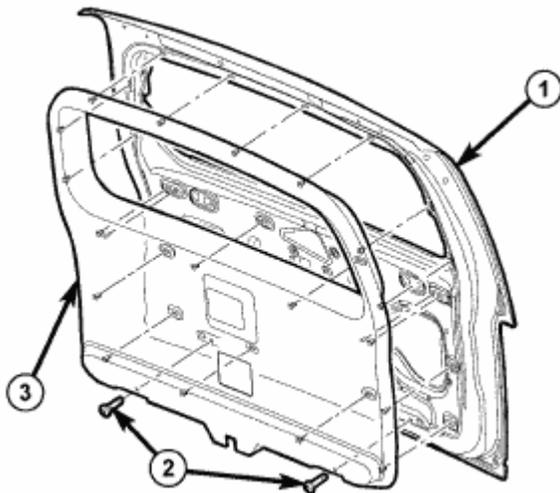
2. Install the two nuts (4) and tighten to 8 N.m (6 ft. lbs.).
3. Connect the electrical connector (2).



81961518

Fig. 413: Latch Cable
Courtesy of CHRYSLER LLC

4. Connect the latch cable (1) to the lift gate handle (2).

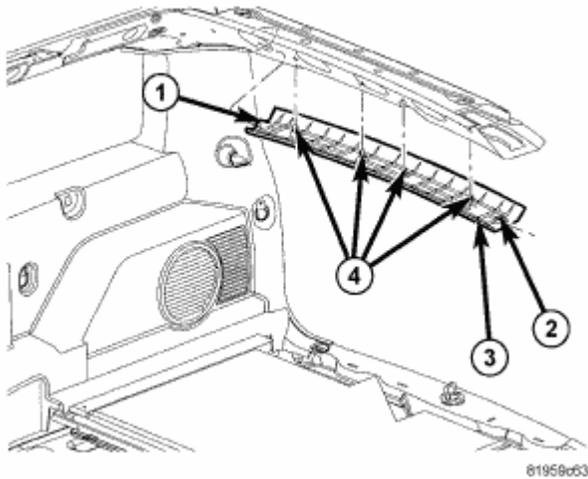


8195aff8

Fig. 414: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

5. Align and install the trim panel (3) to the left gate (1), use hand pressure to seat all of the fasteners around the trim panel (3).
6. Install the two bolts (2) to the lower trim panel (3) and tighten to and tighten to 7 N.m (65 in. lbs.).

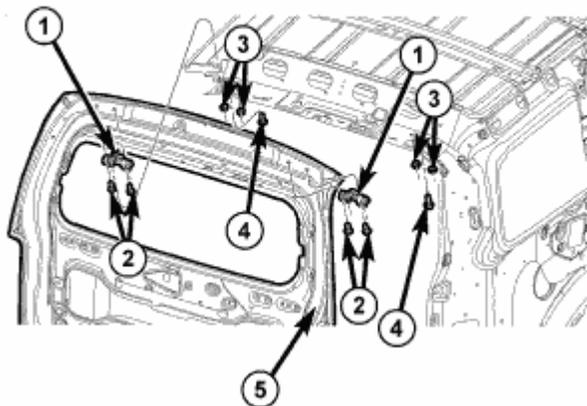
HINGE - LIFTGATE

REMOVAL**HINGE - LIFTGATE**

81959c53

Fig. 415: Headliner Molding
 Courtesy of CHRYSLER LLC

1. Open the lift gate.
2. Pull down at the center of the headliner molding (3) only enough to allow the tab (2) to be released from the quarter trim molding.
3. Carefully pull down to remove the remaining clips (4) attaching the molding to the body then move the molding to the left to released the tab from the quarter trim molding.



819702e4

Fig. 416: Lift Gate Hinge
 Courtesy of CHRYSLER LLC

4. Using a grease pencil or equivalent, mark the position of the hinges (1) to aid with installation.

CAUTION: Support the lift gate while the hinge is removed.

5. Place a block under the lift gate and remove the nuts (3) from the hinge (1) located on the body.
6. Remove the bolts (4) from the hinge (1) located on the body.
7. Remove the bolts (2) from the hinge (1) at the lift gate.
8. Remove the hinge (1) from the vehicle.

INSTALLATION

HINGE - LIFTGATE

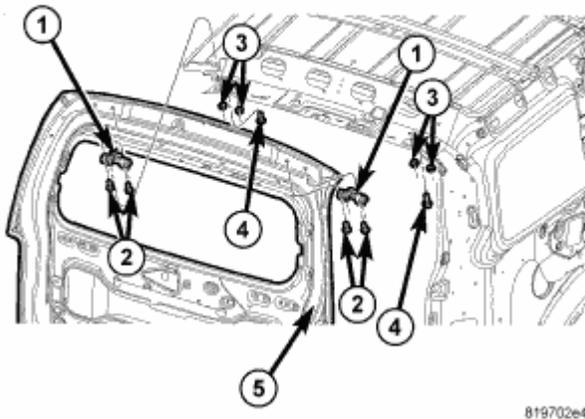


Fig. 417: Lift Gate Hinge

Courtesy of CHRYSLER LLC

1. Apply body sealer on the hinge to body mating surface. Align hinges with the installation reference marks made previously.
2. Remove the block under the lift gate and install the hinge (1) to the vehicle.
3. Install the bolts (4) to the hinge (1) at the body location and tighten bolts to 28.5 N.m (21 ft. lbs.).
4. Install the nuts (3) to the hinge (1) at the body location and tighten nuts to 28.5 N.m (21 ft. lbs.).
5. Install the bolts (2) to the hinge (1) at the lift gate location and tighten bolts to 28.5 N.m (21 ft. lbs.).
6. Adjust as necessary, see **ADJUSTMENTS**.

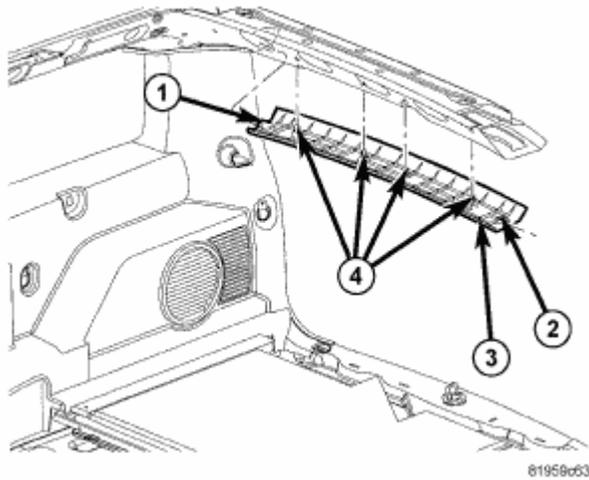


Fig. 418: Headliner Molding
 Courtesy of CHRYSLER LLC

7. Install the headliner molding (3) to the body by sliding the tab (1) on the right side into the quarter trim molding.
8. Pull down at the center of the headliner molding (3) only enough to allow the tab (2) to be slide into the other side of the quarter trim molding.
9. Using hand pressure snap the remaining clips (4) into place.
10. Close the lift gate.

LATCH - LIFTGATE

REMOVAL

LATCH - LIFTGATE

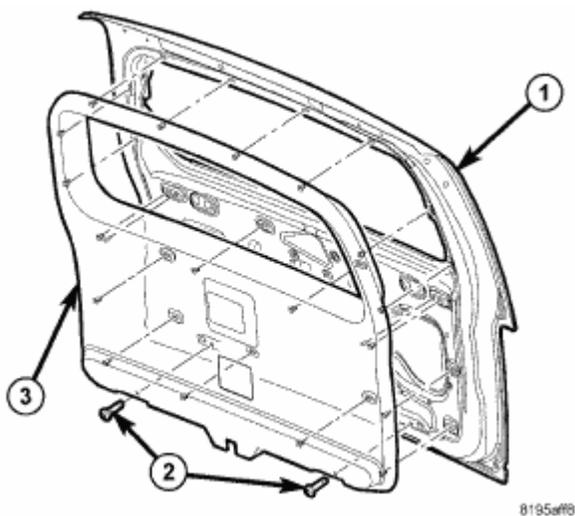
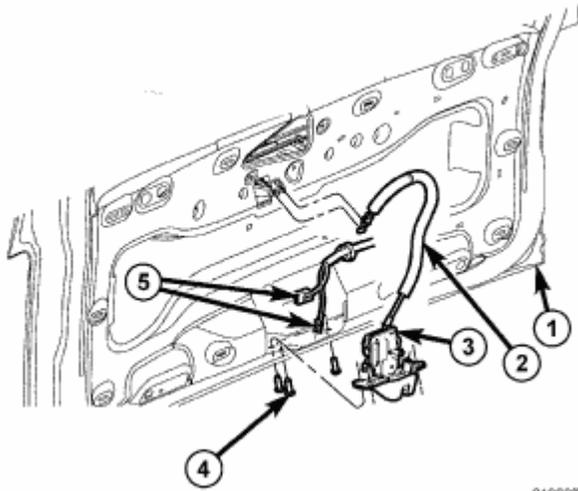


Fig. 419: Liftgate Trim Panel
 Courtesy of CHRYSLER LLC

1. Remove two bolts (2) from the lower trim panel (3).
2. Using a trim stick C-4755 or equivalent, release the fasteners at all of the locations around the trim panel (3).
3. Lift the trim panel (3) from the lift gate (1).



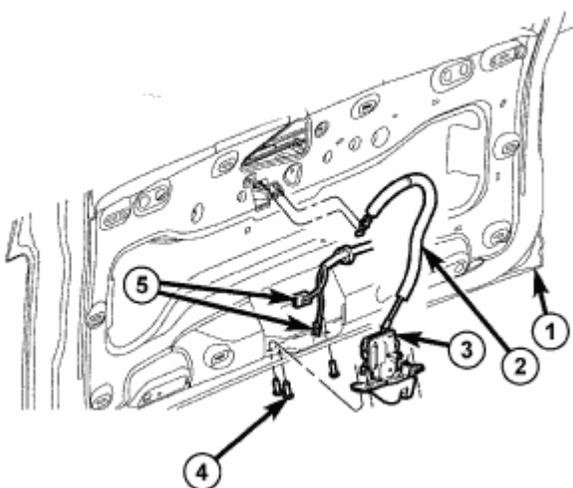
81960RB

Fig. 420: Lift Gate Latch
Courtesy of CHRYSLER LLC

4. Remove the three bolts (4) from the lift gate latch (3).
5. Disconnect the electrical connectors (5).
6. Disconnect the cable (2) from the latch (3).
7. Remove the lift gate latch (3) from the lift gate (1).

INSTALLATION

LATCH - LIFTGATE

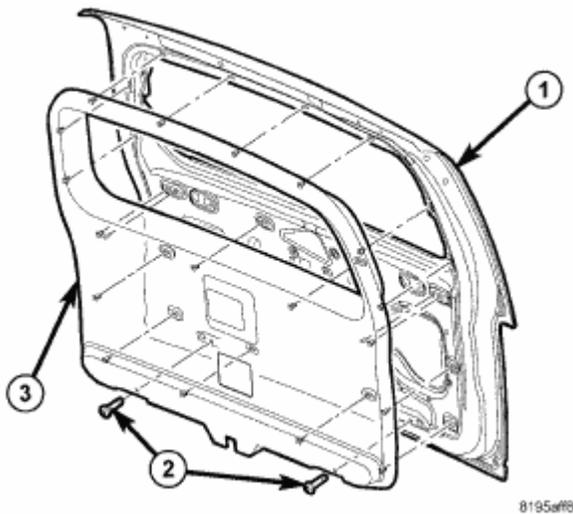


81960RB

Fig. 421: Lift Gate Latch

Courtesy of CHRYSLER LLC

1. Install the latch (3) to the lift gate (1).
2. Install the three bolts (4) to the lift gate latch (3) and tighten the bolts to 11 N.m (95 in. lbs.).
3. Connect the cable (2) to the latch (3).
4. Connect the electrical connectors (5).

**Fig. 422: Liftgate Trim Panel**

Courtesy of CHRYSLER LLC

5. Align and install the trim panel (3) to the lift gate (1), use hand pressure to seat all of the fasteners around the trim panel (3).
6. Install the two bolts (2) to the lower trim panel (3) and tighten to 7 N.m (65 in. lbs.).

LATCH - ACCESS PANEL**DESCRIPTION****LATCH - ACCESS PANEL**

This panel provides access to the lift gate latch. If power is interrupted to the latch, then the lift gate can be opened manually by removing the access panel and pushing the latch release lever down.

REMOVAL**LATCH - ACCESS PANEL**

NOTE: The latch access panel is located on the lift gate trim panel near the latch mechanism.

1. Using a trim stick C-4755 or equivalent, remove the access panel.

INSTALLATION

LATCH - ACCESS PANEL

1. Position and install the latch access panel to the lift gate trim panel.

LIFTGATE

REMOVAL

LIFTGATE

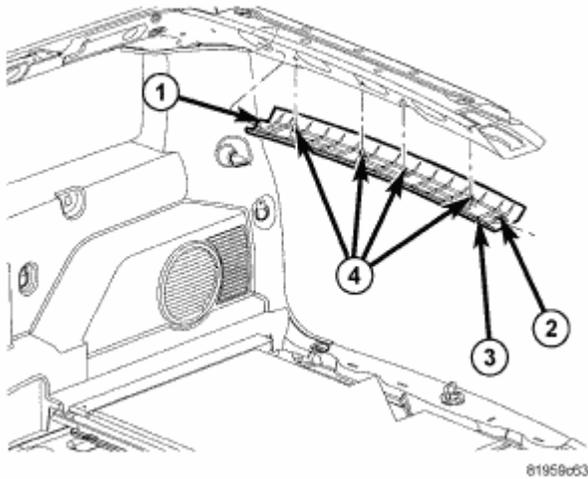


Fig. 423: Headliner Molding
Courtesy of CHRYSLER LLC

1. Open the lift gate.
2. Pull down at the center of the headliner molding (3) only enough to allow the tab (2) to be released from the quarter trim molding.
3. Carefully pull down to remove the remaining clips (4) attaching the molding to the body then move the molding to the left to released the tab from the quarter trim molding.

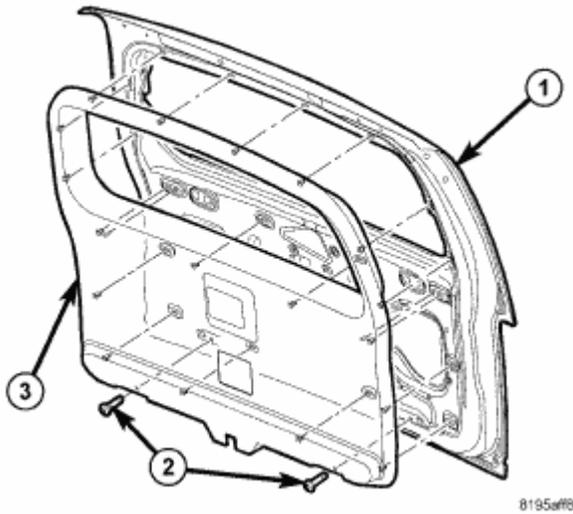


Fig. 424: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

4. Remove two bolts (2) from the lower trim panel (3).
5. Using a trim stick C-4755 or equivalent, release the fasteners at all of the locations around the trim panel (3).
6. Lift the trim panel (2) from the lift gate (1).
7. Disconnect the lift gate harness connector, remove the grommet and electrical harness.

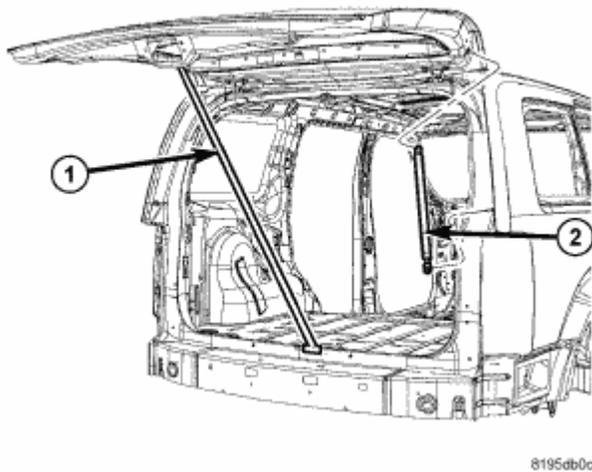
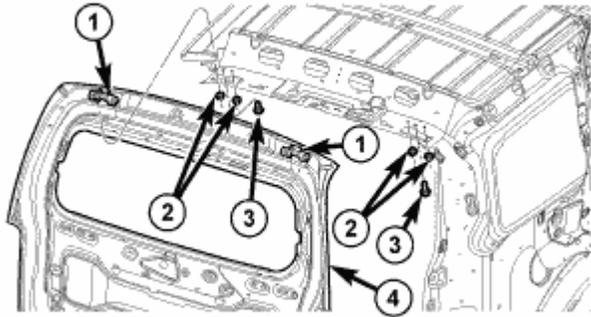


Fig. 425: Lift Gate Support Cylinder & Lift Gate Support Tool
Courtesy of CHRYSLER LLC

8. Support the lift gate with a lift gate support tool (1).
9. Remove the support cylinders (2) from the lift gate and body.



81981d3c

Fig. 426: Lift Gate/Hinge
Courtesy of CHRYSLER LLC

10. Remove the center high mounted stop lamp, refer to **REMOVAL** .
11. Disconnect all electrical connectors and remove electrical harness from the lift gate.

CAUTION: With assistance support the lift gate while the hinges are being removed.

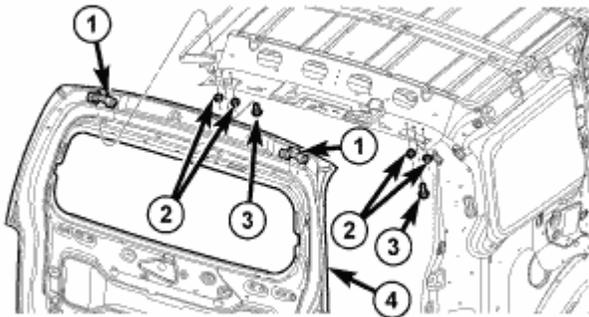
12. Using a grease pencil or equivalent, mark the position of the hinges (1) to aid with installation.
13. Remove nuts (2) from the hinges (1) located on the body.

WARNING: Make sure assistants are prepared when removing the bolts from the hinges. When the bolts are removed the lift gate is no longer attached to the vehicle and can fall.

14. Remove the bolts (3) from the hinges (1) located on the body.
15. Remove the lift gate (4) from the vehicle.

INSTALLATION

LIFTGATE



81981d3c

Fig. 427: Lift Gate/Hinge
Courtesy of CHRYSLER LLC

NOTE: With assistance, support the lift gate while the hinges are being installed.

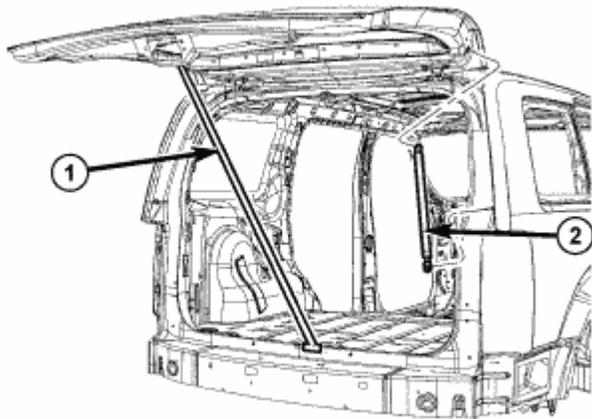
1. With assistance, install the lift gate (4) to the vehicle.
2. Apply body sealer on the hinge to body mating surface. Align hinges with installation reference marks made previously.
3. Install the bolts (3) to the hinges (1) at the body location and tighten bolts to 28.5 N.m (21 ft. lbs.).
4. Install the nuts (2) to the hinges (1) at the body location and tighten nuts to 28.5 N.m (21 ft. lbs.).

CAUTION: With assistance, support the lift gate while the hinges are being removed.

5. Install electrical harness to the lift gate and connect all electrical connections.

NOTE: Use a soapy water solution or equivalent to lubricate the grommet.

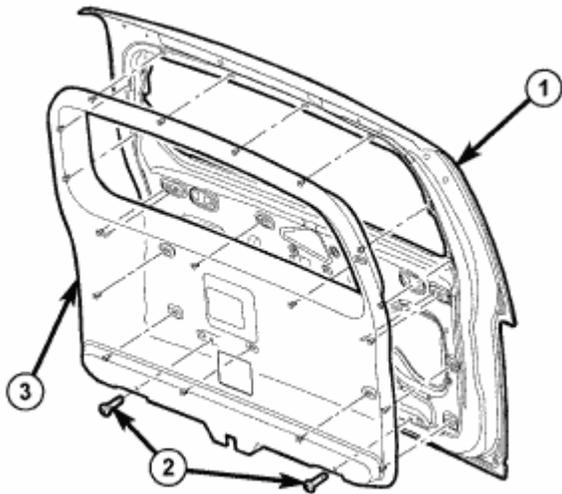
6. Install the electrical harness, grommet and connector to the vehicle.
7. Install the center high mounted stop lamp, refer to **INSTALLATION**.
8. Check and adjust lift gate as necessary, see **ADJUSTMENTS**.



8195db0c

Fig. 428: Lift Gate Support Cylinder & Lift Gate Support Tool
Courtesy of CHRYSLER LLC

9. Install the support cylinders (2) to the lift gate and body.



8195aff8

Fig. 429: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

10. Align and install the trim panel (3) to the left gate (1), use hand pressure to seat all of the fasteners around the trim panel (3).
11. Install the two bolts (2) to the lower trim panel (3) and tighten to 7 N.m (65 in. lbs.).

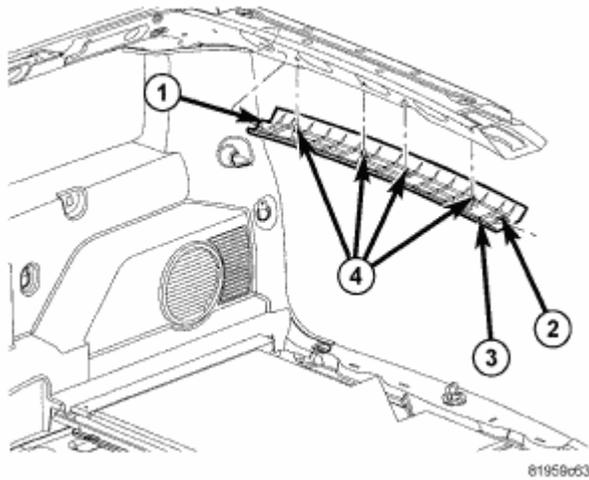


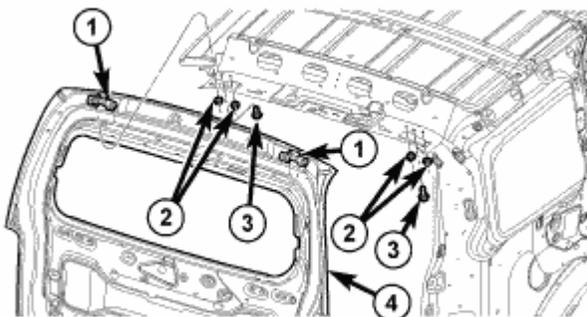
Fig. 430: Headliner Molding
 Courtesy of CHRYSLER LLC

12. Install the headliner molding (3) to the body by sliding the tab (1) on the right side into the quarter trim molding.
13. Pull down at the center of the headliner molding (3) only enough to allow the tab (2) to be slide into the other side of the quarter trim molding.
14. Using hand pressure snap the remaining clips (4) into place.
15. Close the lift gate.

ADJUSTMENTS

LIFTGATE

In/out



81961d3c

Fig. 431: Lift Gate/Hinge
 Courtesy of CHRYSLER LLC

NOTE: The position of the lift gate can be adjusted upward or downward by the use of slots in the hinge. An inward or outward adjustment is achieved by use of slots in the body. If an inward or outward adjustment is needed, use a body sealer on the hinge to body mating surface.

1. Using a trim stick C-4755 or equivalent, remove the headliner molding.
2. For the upper lift gate adjustments, loosen the hinge nuts (2) and bolts (3) but do not remove. Adjust to specifications, see **SPECIFICATIONS**.
3. Apply body sealer on the hinge to body mating surface.
4. Tighten the hinge bolts to 28.5 N.m (21 ft. lbs.).
5. Tighten the hinge nuts to 28.5 N.m (21 ft. lbs.).

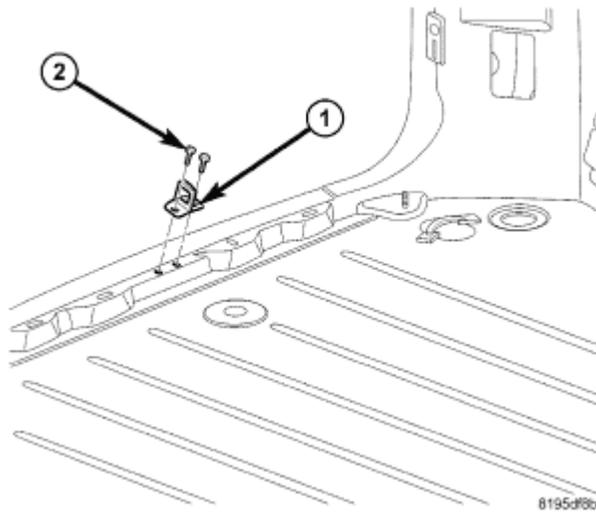
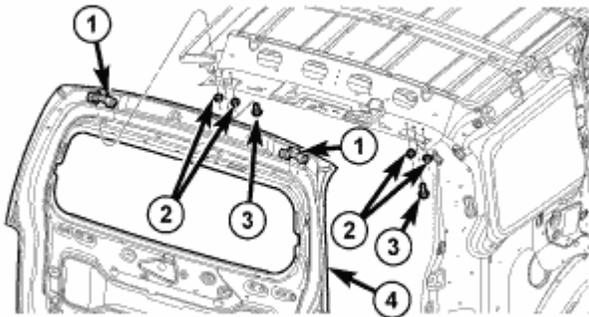


Fig. 432: Lift Gate Latch Striker
Courtesy of CHRYSLER LLC

6. Remove the rear door scuff plate.
7. For the lower lift gate adjustments, loosen the striker screws (2) and adjust to specifications, see **SPECIFICATIONS**.
8. Tighten the striker screws to 28 N.m (20.5 ft. lbs.).
9. Install the rear door scuff plate.
10. Position the headliner molding and seat fully.

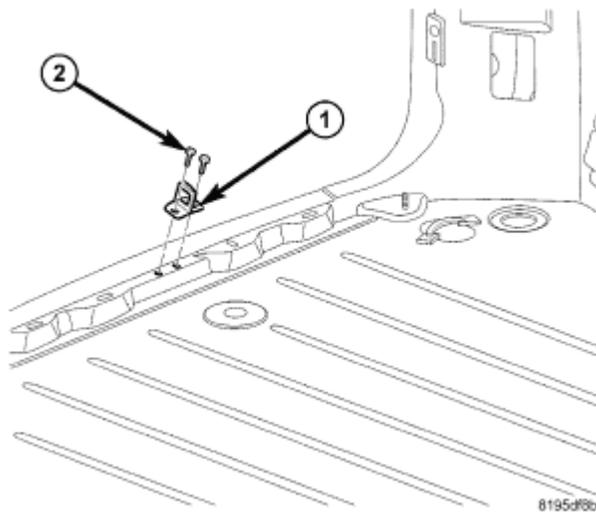
Up/Down and Left/Right



81981d3c

Fig. 433: Lift Gate/Hinge
Courtesy of CHRYSLER LLC

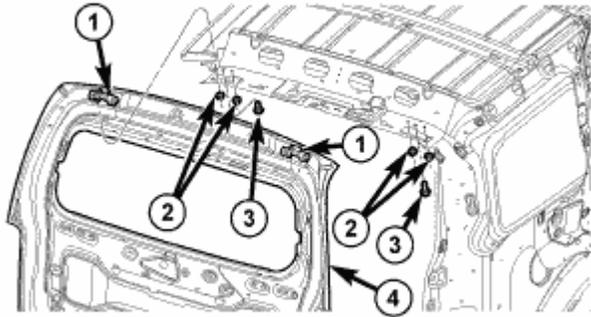
1. Loosen the hinge to lift gate bolts (2) but do not remove.



8195d78b

Fig. 434: Lift Gate Latch Striker
Courtesy of CHRYSLER LLC

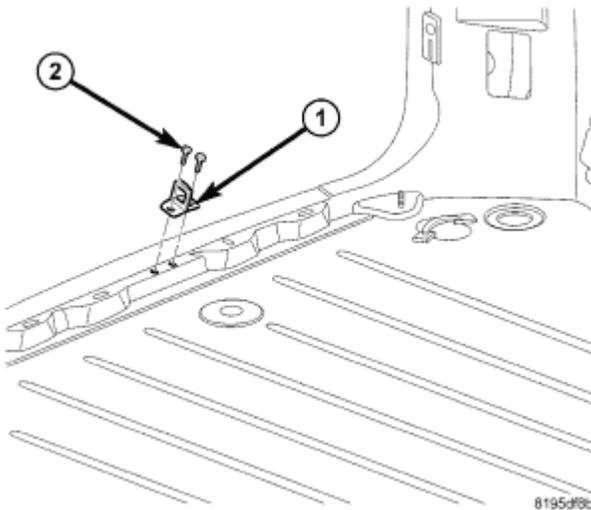
2. Remove the rear door scuff plate.
3. Loosen the striker screws (2).
4. Adjust the lift gate up/down position to specifications, see **SPECIFICATIONS**.



81981d3c

Fig. 435: Lift Gate/Hinge
Courtesy of CHRYSLER LLC

5. Apply body sealer on the hinge to lift gate mating surface.
6. Tighten the hinge to lift gate bolts to 28.5 N.m (21 ft. lbs.).



8195J96b

Fig. 436: Lift Gate Latch Striker
Courtesy of CHRYSLER LLC

7. Confirm the lower lift gate in/out position and tighten the striker screws to 28 N.m (20.5 ft. lbs.).
8. Install the lift gate trim scuff plate and install the screws.

PANEL - LIFTGATE TRIM

REMOVAL

PANEL - LIFTGATE TRIM

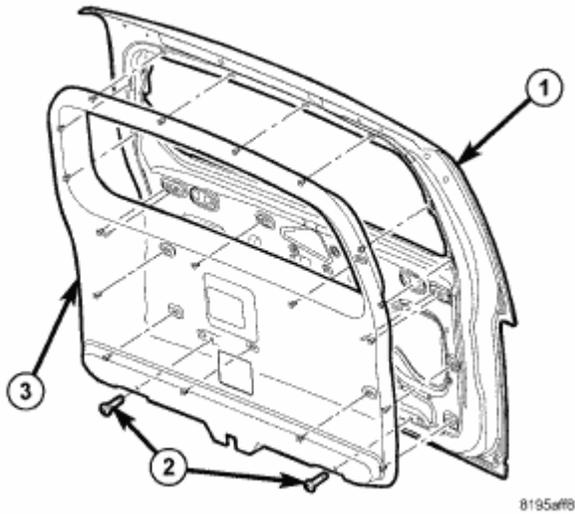


Fig. 437: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

1. Remove two bolts (2) from the lower trim panel (3).
2. Using a trim stick C-4755 or equivalent, release the fasteners at all of the locations around the trim panel (3).
3. Lift the trim panel (3) from the lift gate (1).

INSTALLATION

PANEL - LIFTGATE TRIM

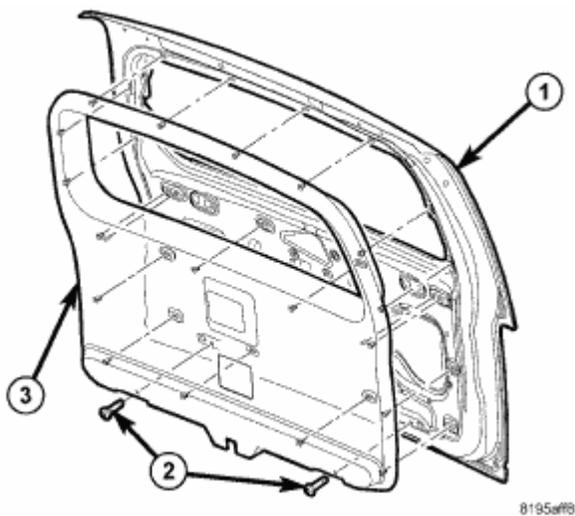


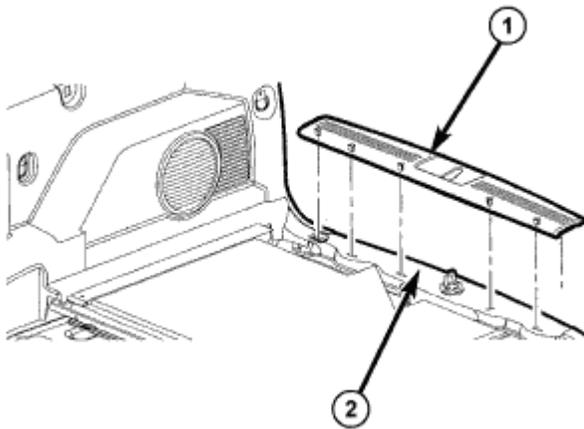
Fig. 438: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

1. Align and install the trim panel (3) to the lift gate (1), use hand pressure to seat all of the fasteners around the trim panel (3).
2. Install the two bolts (2) to the lower trim panel (3) and tighten to 7 N.m (65 in. lbs.).

STRIKER - LIFTGATE

REMOVAL

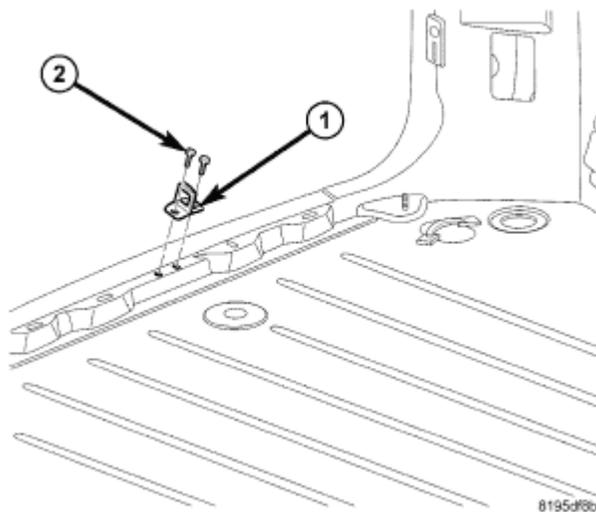
STRIKER - LIFTGATE



81954a22

Fig. 439: Rear Door Scuff Plate
Courtesy of CHRYSLER LLC

1. Open the lift gate.
2. Using a trim stick C-4755 or equivalent, release the retaining clips and remove the scuff plate (1) from the body (2).



8195d700

Fig. 440: Lift Gate Latch Striker
Courtesy of CHRYSLER LLC

3. Using a grease pencil or equivalent, mark location of latch striker (1).
4. Remove the two screws (2) from the latch striker (1).

INSTALLATION

STRIKER - LIFTGATE

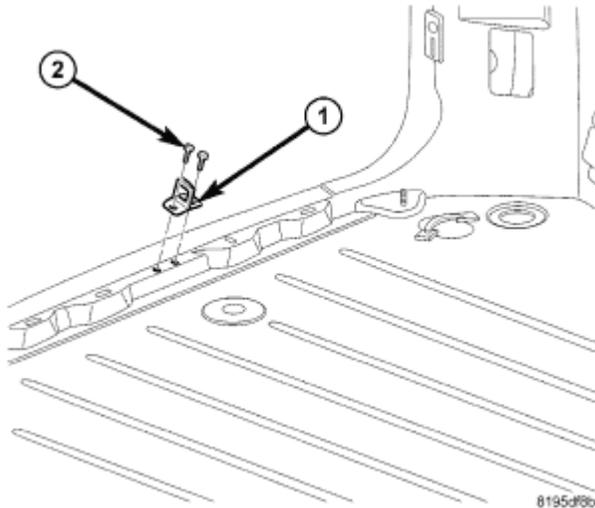


Fig. 441: Lift Gate Latch Striker
Courtesy of CHRYSLER LLC

1. Install the latch striker (1) to the body. Align latch striker (1) with the reference marks made previously.
2. Install the two screws (2) to the latch striker (1) and tighten the screws to 28 N.m (20.5 ft. lbs.).

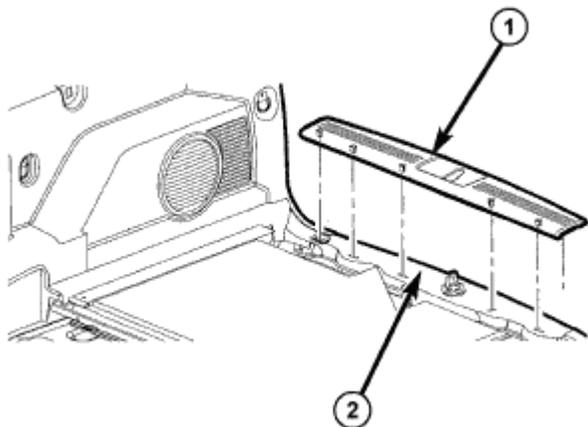


Fig. 442: Rear Door Scuff Plate
Courtesy of CHRYSLER LLC

3. Align the trim clips and use hand pressure to install the scuff plate (1) to the body (2).
4. Close the lift gate.
5. Adjust the lift gate as necessary, see **ADJUSTMENTS**.

ADJUSTMENTS

STRIKER - LIFTGATE

1. Loosen the striker bolts.
2. Adjust the striker up/down so that it is centered within the latch opening.
3. Adjust the striker fore/aft so the swing gate is under flush to the body -0.5 mm (+/- 1.0 mm).
4. Adjust the striker cross-car engagement to the latch by adding 2.0 mm shims as necessary.

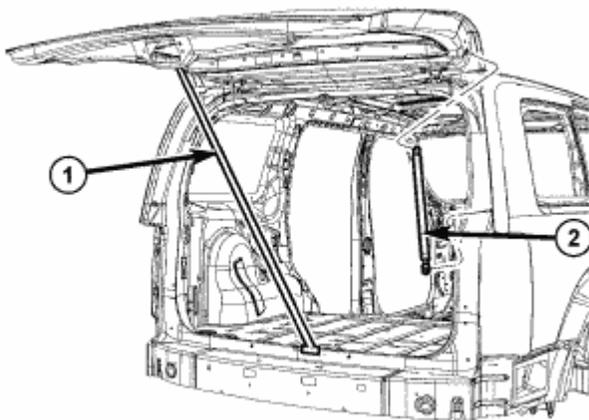
NOTE: Make sure the striker is not twisted within the latch opening. Striker should be parallel to the opening.

5. Tighten the striker bolts to 28 N.m (21 ft. lbs.).

SUPPORT - LIFTGATE

REMOVAL

SUPPORT - LIFTGATE



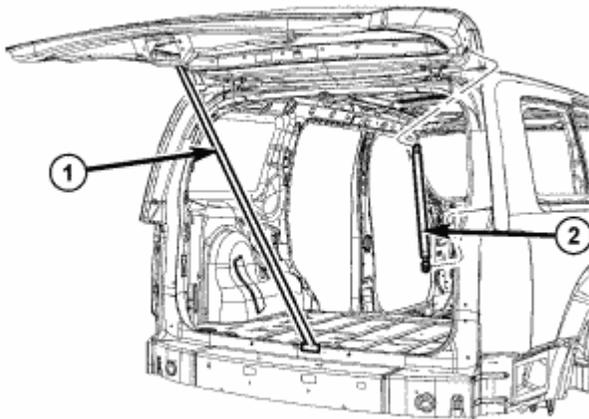
8195db0c

Fig. 443: Lift Gate Support Cylinder & Lift Gate Support Tool
Courtesy of CHRYSLER LLC

1. Raise and support the lift gate with a lift gate support tool (1).
2. Remove the support cylinder (2) from the lift gate and body.

INSTALLATION

SUPPORT - LIFTGATE



8195db0c

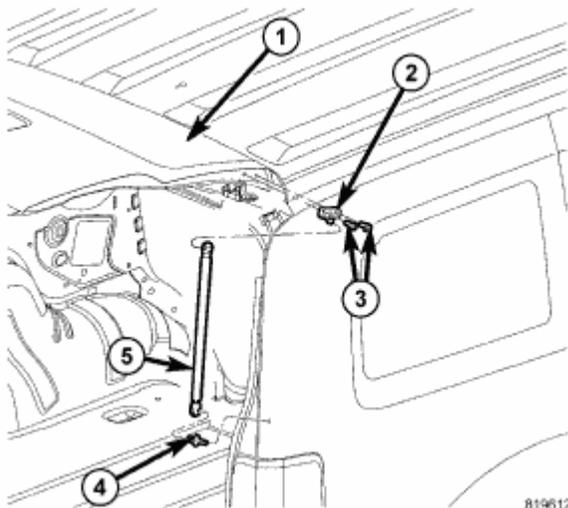
Fig. 444: Lift Gate Support Cylinder & Lift Gate Support Tool
Courtesy of CHRYSLER LLC

1. Install the support cylinder (2) to the lift gate and body.
2. Remove lift gate support tool (1) and close the lift gate.

SUPPORT - BRACKET/BALL STUD

REMOVAL

SUPPORT - BRACKET/BALL STUD



819612f1

Fig. 445: Bracket/Ball Stud Support
Courtesy of CHRYSLER LLC

1. Raise and support the lift gate with a lift gate support tool.
2. Remove the support cylinder (5) from the support cylinder bracket (2) and body.
3. Remove the bolts (3) from the support cylinder bracket (2).

4. Remove the bracket (2) from the lift gate (1).
5. Remove the ball stud (4) from the body.

INSTALLATION

SUPPORT - BRACKET/BALL STUD

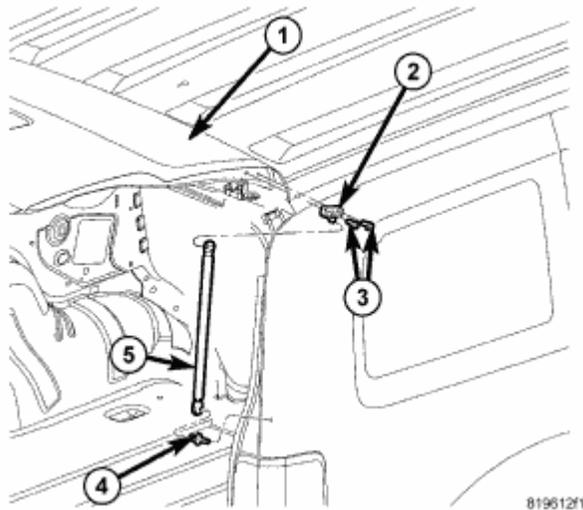


Fig. 446: Bracket/Ball Stud Support
 Courtesy of CHRYSLER LLC

1. Install the ball stud (4) to the body and tighten securely.
2. Install the bracket (2) to the lift gate (1).
3. Install the bolts (3) to the support cylinder bracket (2) and tighten the bolts.
4. Install the support cylinder (5) to the support cylinder bracket (2) and body.
5. Remove the lift gate support tool.

PAINT

SPECIFICATIONS

SPECIFICATIONS - COLOR CODES

NOTE: Because of late model changes to the available paint colors. Refer to **DESCRIPTION** , or see **DESCRIPTION**.

EXTERIOR COLORS

EXTERIOR COLOR	DAIMLERCHRYSLER CODE
Flame Red Clearcoat	PR4
Inferno Red Crystal Pearlcoat	ARH/ARJ
Light Khaki Metallic Clearcoat	AJC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

Dark Khaki Pearlcoat	BJT
Deep Beryl Green Pearlcoat	CGV
Atlantic Blue Pearlcoat	ZBJ
Midnight Blue Pearlcoat	BB8
Bright Silver Metallic Clearcoat	WSB/WS2
Mineral Gray Metallic Clearcoat	CDM
Black Clearcoat	DX8
Stone White Clearcoat	SW1
Sunburst Orange Clearcoat	DV6
Electric Blue Clearcoat	AB5

INTERIOR COLORS

INTERIOR COLOR	DAIMLERCHRYSLER CODE
Slate Gray	D5
Dark Slate Gray	DV
Khaki	J3
Dark Khaki	J8
Khaki/Light Graystone	J1
Dark Khaki/Light Khaki	JJ
Dark Slate Gray/Light Slate Gray	DB

PAINT CODE**DESCRIPTION****PAINT CODE**

Exterior vehicle body colors are identified on the Vehicle Certification Label. Refer to **DESCRIPTION**. The first digit of the paint code listed on the vehicle indicates the sequence of application, i.e.: P = primary coat, Q = secondary coat. The color names provided in the Paint and Trim Code Description chart are the color names used on most repair product containers. . See **SPECIFICATIONS**.

BASE COAT/CLEAR COAT FINISH**DESCRIPTION****BASECOAT/CLEARCOAT FINISH**

The original equipment finish is a multi step process that involves cleaning, applying electro de-position (E-coat), anti-chip primer, basecoat, and clearcoat steps.

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

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

CAUTION: 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 surfaces. Damage to finish or color can result.

PAINT TOUCH-UP

DESCRIPTION

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 Topcoat. Refer to Introduction group of this manual for Body Code Plate information.

WARNING: Use an OSHA approved respirator and safety glasses when spraying paint or solvents in a confined area. Personal injury can result.

OPERATION

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 scratch or chip 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 clearcoat, the touch-up color can be lightly finesse sanded (1500 grit) and polished with rubbing compound.
6. On vehicles with clearcoat, apply clear top coat to touch-up paint with the same technique as described in step 4. Allow clear topcoat to dry hard. If desired, step 5 can be performed on clear topcoat.

WARNING: Avoid prolonged skin contact with petroleum or alcohol-based cleaning solvents. Personal injury can result.

FINESSE SANDING/BUFFING & POLISHING

DESCRIPTION

FINESSE SANDING/BUFFING & POLISHING

CAUTION: Do not remove more than .5 mils of clearcoat finish, if equipped. Basecoat

paint must retain clearcoat for durability.

Use a Paint Thickness Gauge #PR-ETG-2X or equivalent to determine film thickness before and after the repair.

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

SEATS

WARNING

RESTRAINT SYSTEM

WARNING: To avoid serious or fatal injury during and following any seat belt or child restraint anchor service, carefully inspect all seat belts, buckles, mounting hardware, retractors, tether straps, and anchors for proper installation, operation, or damage. Replace any belt that is cut, frayed, or torn. Straighten any belt that is twisted. Tighten any loose fasteners. Replace any belt that has a damaged or ineffective buckle or retractor. Replace any belt that has a bent or damaged latch plate or anchor plate. Replace any child restraint anchor or the unit to which the anchor is integral that has been bent or damaged. Never attempt to repair a seat belt or child restraint component. Always replace damaged or ineffective seat belt and child restraint components with the correct, new and unused replacement parts listed in the DaimlerChrysler Mopar® Parts Catalog.

WARNING: To avoid serious or fatal injury on vehicles equipped with side curtain airbags, disable the supplemental restraint system before attempting any occupant restraint controller diagnosis or service. The occupant restraint controller contains a rollover sensor, which enables the system to deploy the side curtain airbags in the event of a vehicle rollover event. If an occupant restraint controller is accidentally rolled during service while still connected to battery power, the side curtain airbags will deploy. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, disable the supplemental restraint system before attempting any steering wheel, steering column, airbag, occupant classification system, seat belt tensioner, impact sensor, or instrument panel component diagnosis or

service. Disconnect and isolate the battery negative (ground) cable, then wait two minutes for the system capacitor to discharge before performing further diagnosis or service. This is the only sure way to disable the supplemental restraint system. Failure to take the proper precautions could result in accidental airbag deployment.

WARNING: To avoid serious or fatal injury on vehicles equipped with airbags, before performing any welding operations disconnect and isolate the battery negative (ground) cable and disconnect all wire harness connectors from the Occupant Restraint Controller (ORC). Failure to take the proper precautions could result in accidental airbag deployment and other possible damage to the supplemental restraint system circuits and components.

WARNING: To avoid serious or fatal injury, do not attempt to dismantle an airbag unit or tamper with its inflator. Do not puncture, incinerate, or bring into contact with electricity. Do not store at temperatures exceeding 93°C (200°F). An airbag inflator unit may contain sodium azide and potassium nitrate. These materials are poisonous and extremely flammable. Contact with acid, water, or heavy metals may produce harmful and irritating gases (sodium hydroxide is formed in the presence of moisture) or combustible compounds. An airbag inflator unit may also contain a gas canister pressurized to over 17.24 kPa (2500 psi).

WARNING: To avoid serious or fatal injury when handling a seat belt tensioner retractor, proper care should be exercised to keep fingers out from under the retractor cover and away from the seat belt webbing where it exits from the retractor cover.

WARNING: To avoid serious or fatal injury, replace all restraint system components only with parts specified in the DaimlerChrysler Mopar® Parts Catalog. Substitute parts may appear interchangeable, but internal differences may result in inferior occupant protection.

WARNING: To avoid serious or fatal injury, the fasteners, screws, and bolts originally used for the restraint system components must never be replaced with any substitutes. These fasteners have special coatings and are specifically designed for the restraint system. Any time a new fastener is needed, replace it with the correct fasteners provided in the service package or specified in the DaimlerChrysler Mopar® Parts Catalog.

WARNING: To avoid serious or fatal injury when a steering column has an airbag unit attached, never place the column on the floor or any other surface with the steering wheel or airbag unit face down.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

SEAT - FRONT

DESCRIPTION

DESCRIPTION

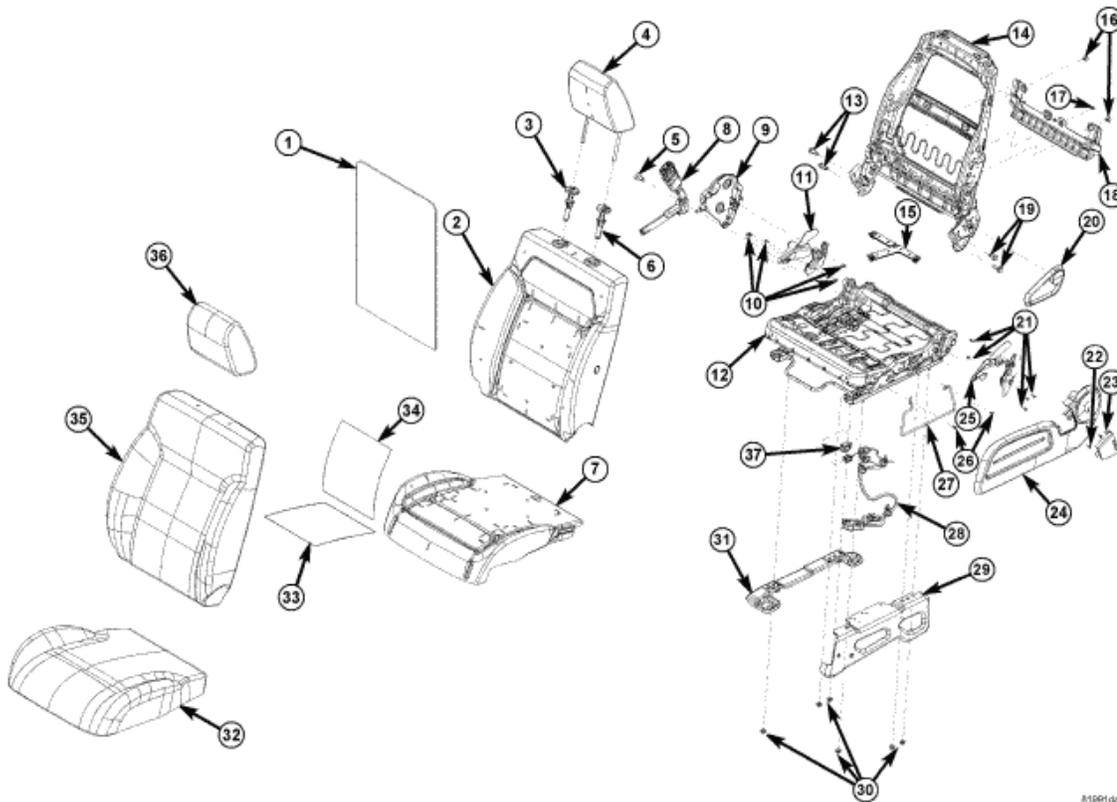


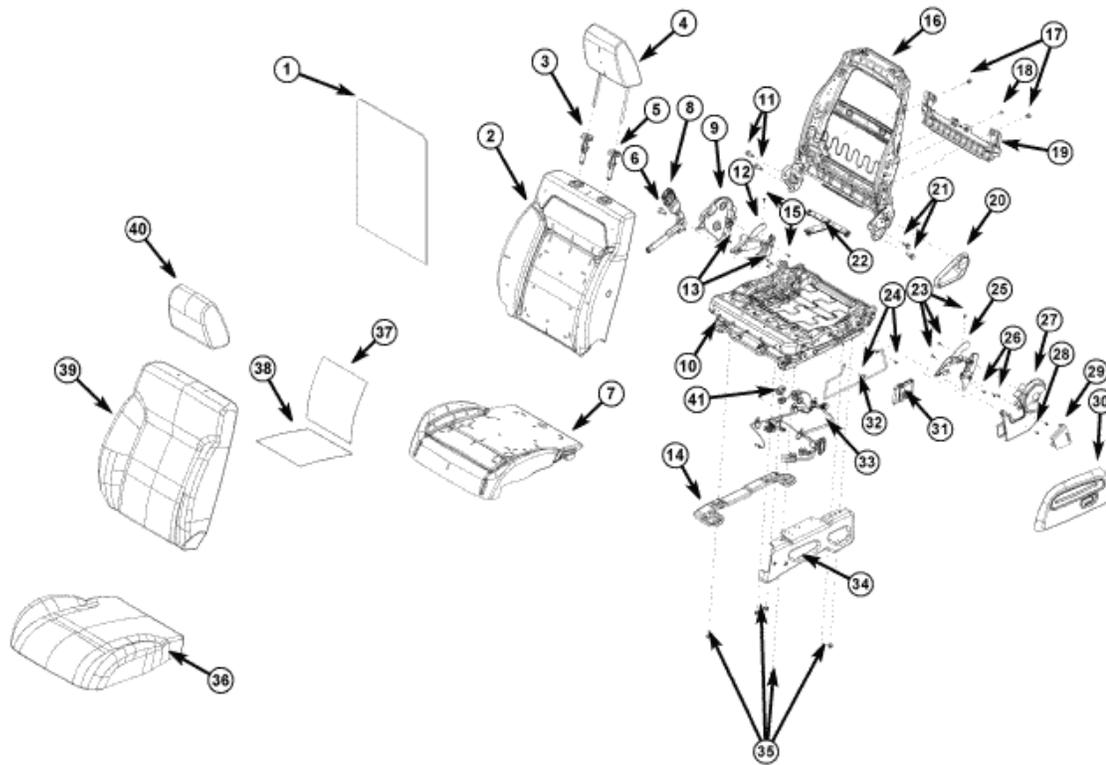
Fig. 447: Drivers Seat 2 Way Assembly
Courtesy of CHRYSLER LLC

1 - BAG, BSR	20 - RECLINER, HANDLE ASSEMBLY
2 - CUSHION, BACK	21 - SCREW
3 - HEADREST, GUIDE WITHOUT BUTTON	22 - SCREW
4 - HEADREST, ASSEMBLY	23 - SHIELD
5 - BOLT, SEAT BELT 47.5 N.m (35 ft. lbs.)	24 - SHIELD
6 - HEADREST, GUIDE WITH LOCK AND BUTTON	25 - SHIELD
7 - CUSHION, SEAT	26 - RIVET
8 - PRETENSIONER, ASSEMBLY	27 - WIRE, SHIELD ATTACHMENT
9 - SHIELD, ASSEMBLY	28 - HARNESS, ASSEMBLY
10 - SCREW	29 - RISER, LH OUTBOARD
11 - SHIELD	30 - NUT 27.5 N.m (20 ft. lbs.)
12 - FRAME, SEAT	31 - RISER, LH INBOARD
13 - SCREW, M10 47.5 N.m (35 ft. lbs.)	32 - COVER, SEAT

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

- | | |
|--|----------------------------------|
| 14 - FRAME, SEAT BACK | 33 - ELEMENT, HEATED SEAT |
| 15 - PLATE, ROUTING | 34 - ELEMENT, HEATED SEAT BACK |
| 16 - PIN, PUSH | 35 - COVER, SEAT BACK |
| 17 - SCREW | 36 - COVER, HEAD REST |
| 18 - SHIELD | 37 - SENSOR, SEAT TRACK POSITION |
| 19 - SCREW, M10 47.5 N.m (35 ft. lbs.) | - |



81901004

Fig. 448: Drivers Seat 6 Way Assembly
Courtesy of CHRYSLER LLC

- | | |
|--|------------------------------|
| 1 - BAG, BSR | 22 - PLATE, ROUTING |
| 2 - CUSHION, BACK | 23 - SCREW |
| 3 - HEADREST, GUIDE WITHOUT BUTTON | 24 - RIVET |
| 4 - HEADREST, ASSEMBLY | 25 - SHIELD |
| 5 - HEADREST, GUIDE WITH LOCK | 26 - SCREW |
| 6 - BOLT, SEAT BELT 47.5 N.m (35 ft. lbs.) | 27 - SHIELD |
| 7 - CUSHION, SEAT | 28 - SCREW |
| 8 - PRETENSIONER, ASSEMBLY | 29 - SHIELD, CLOSEOUT |
| 9 - SHIELD, ASSEMBLY | 30 - SHIELD, POWER SWITCH |
| 10 - FRAME, SEAT | 31 - SHIELD, POWER SEAT |
| 11 - SCREW, M10 47.5 N.m (35 ft. lbs.) | 32 - WIRE, SHIELD ATTACHMENT |
| 12 - SHIELD | 33 - HARNESS, 6 WAY POWER |

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

- | | |
|--|----------------------------------|
| 13 - SCREW | 34- RISER, LH OUTBOARD |
| 14 - RISER, LH INBOARD | 35 - NUT 27.5 N.m (20 ft. lbs.) |
| 15 - SCREW | 36 - COVER, SEAT |
| 16 - FRAME, SEAT BACK | 37 - ELEMENT, HEATED SEAT BACK |
| 17 - PIN, PUSH | 38 - ELEMENT, HEATED SEAT |
| 18 - SHIELD | 39 - COVER, SEAT BACK |
| 19 - SHIELD | 40 - COVER, HEAD REST |
| 20 - RECLINER, HANDLE ASSEMBLY | 41 - SENSOR, SEAT TRACK POSITION |
| 21 - SCREW, M10 47.5 N.m (35 ft. lbs.) | - |

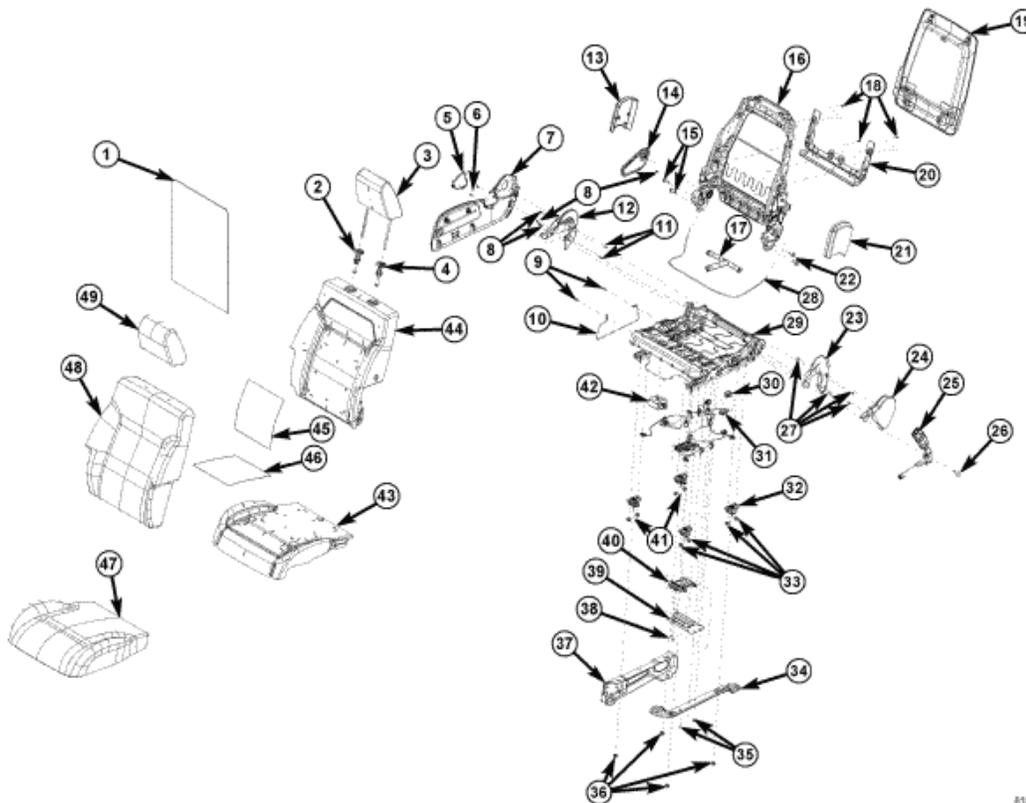


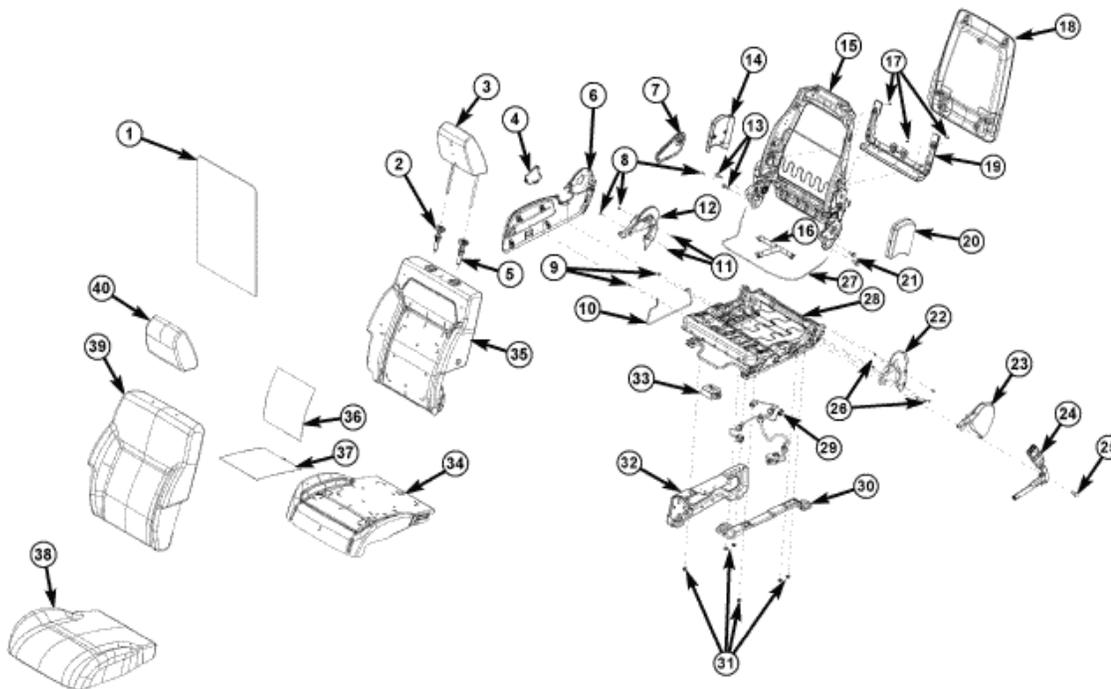
Fig. 449: Passenger Seat Domestic Assembly
Courtesy of CHRYSLER LLC

- | | |
|------------------------------------|----------------------------------|
| 1 - BAG, BSR | 26 - BOLT, SEAT BELT |
| 2 - HEADREST, GUIDE WITHOUT BUTTON | 27 - SCREW |
| 3 - HEADREST, ASSEMBLY | 28 - CABLE, RELEASE |
| 4 - HEADREST, GUIDE WITH LOCK | 29 - FRAME, SEAT |
| 5 - SHIELD, CLOSEOUT | 30 - SENSOR, SEAT TRACK POSITION |
| 6 - SCREW | 31 - HARNESS, ASSEMBLY |
| 7 - SHIELD, ASSEMBLY | 32 - GAGE, STRAIN TI |
| 8 - SCREW | 33 - NUT 27.5 N.m (20 ft. lbs.) |
| 9 - RIVET | 34 - RISER |

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

- | | |
|--|---|
| <ul style="list-style-type: none"> 10 - WIRE, SHIELD ATTACHMENT 11 - SCREW 12 - SHIELD 13 - SHIELD 14 - RECLINER, HANDLE ASSEMBLY 15 - SCREW, M10 47.5 N.m (35 ft. lbs.) 16 - FRAME, SEAT BACK 17 - PLATE, ROUTING 18 - SCREW 19 - PANEL, BACK ASSEMBLY 20 - SHIELD 21 - SHIELD 22 - SCREW, M10 47.5 N.m (35 ft. lbs.) 23 - SHIELD, ASSEMBLY 24 - SHIELD, SIDE 25 - PRETENSIONER, ASSEMBLY | <ul style="list-style-type: none"> 35 - RIVET 36 - NUT 47.5 N.m (35 ft. lbs.) 37 - RISER 38 - SCREW 39 - BRACKET, METAL MODULE 40 - MODULE, OCS 41 - NUT 27.5 N.m (20 ft. lbs.) 42 - MODULE, ASSEMBLY HEATED 43 - CUSHION, SEAT 44 - CUSHION, BACK 45 - ELEMENT, HEATED BACK 46 - ELEMENT, HEATED SEAT 47 - COVER, SEAT 48 - COVER, SEAT BACK 49 - COVER, HEAD REST - |
|--|---|



81960x37

Fig. 450: Passenger Seat Export Assembly
 Courtesy of CHRYSLER LLC

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 - BAG, BSR 2 - HEADREST, GUIDE WITHOUT BUTTON | <ul style="list-style-type: none"> 21 - SCREW, M10 47.5 N.m (35 ft. lbs.) 22 - SHIELD, ASSEMBLY |
|--|---|

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

3 - HEADREST, ASSEMBLY	23 - SHIELD, ASSEMBLY
4 - SHIELD, CLOSEOUT	24 - PRETENSIONER, ASSEMBLY
5 - HEADREST, GUIDE WITH LOCK	25 - BOLT, SEAT BELT 47.5 N.m (35 ft. lbs.)
6 - SHIELD, ASSEMBLY	26 - SCREW
7 - RECLINER, HANDLE ASSEMBLY	27 - CABLE, RELEASE
8 - SCREW	28 - FRAME, SEAT
9 - RIVET	29 - HARNESS, ASSEMBLY
10 - WIRE, SHIELD ATTACHMENT	30 - RISER
11 - SCREW	31 - NUT 27.5 N.m (20 ft. lbs.)
12 - SHIELD	32 - RISER
13 - SCREW, M10 47.5 N.m (35 ft. lbs.)	33 - MODULE, ASSEMBLY HEATED
14 - SHIELD	34 - CUSHION, SEAT
15 - FRAME, SEAT BACK	35 - CUSHION, BACK
16 - PLATE, ROUTING	36 - ELEMENT, HEATED BACK
17 - SCREW	37 - ELEMENT, HEATED SEAT
18 - PANEL, BACK ASSEMBLY	38 - COVER, SEAT
19 - SHIELD	39 - COVER, SEAT BACK
20 - SHIELD	40 - COVER, HEAD REST

REMOVAL

SEAT - FRONT

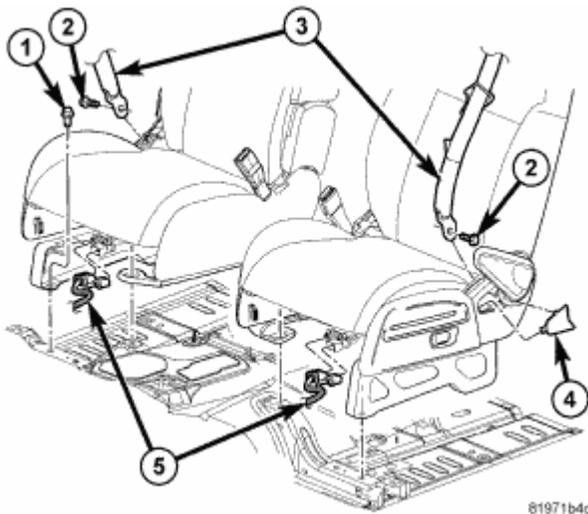
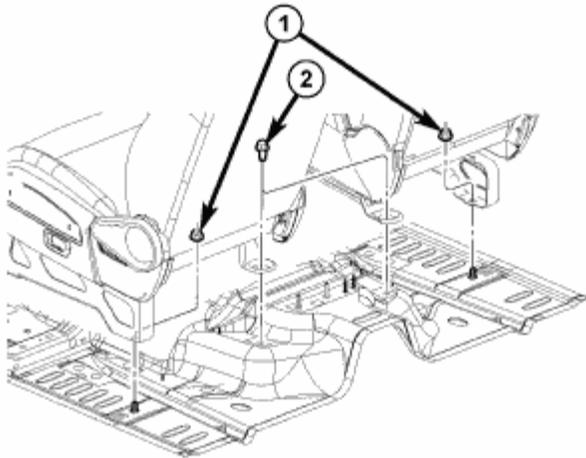


Fig. 451: Front Bolts, Seat Belt Bolts, Seat Belts, Side Shield & Electrical Connectors
Courtesy of CHRYSLER LLC

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

1. Remove the head rests to ease with seat removal.

2. Remove the side shield (4) to expose the seat belt bolts.
3. Position the recliner lever up and remove the seat belt bolts (2) and seat belts (3), refer to **REMOVAL**.
4. Slide the seats back and remove the front bolts (1).
5. Disconnect the electrical connectors (5).



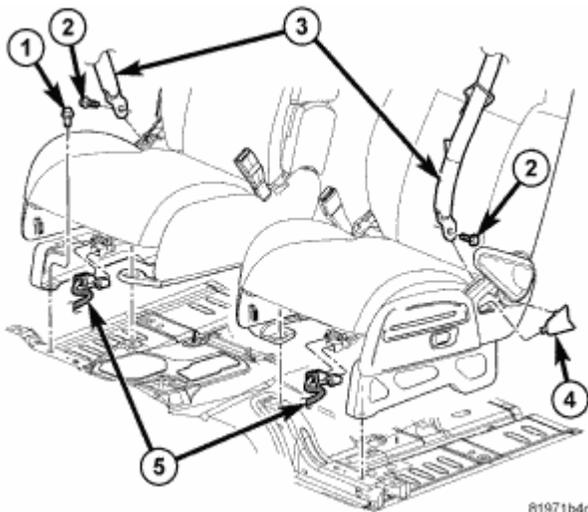
81971b50

Fig. 452: Rear Nuts And Bolts
Courtesy of CHRYSLER LLC

6. Slide the seats to forward position and remove the rear nuts (1) and bolts (2).
7. Remove the seats from the vehicle.

INSTALLATION

SEAT - FRONT



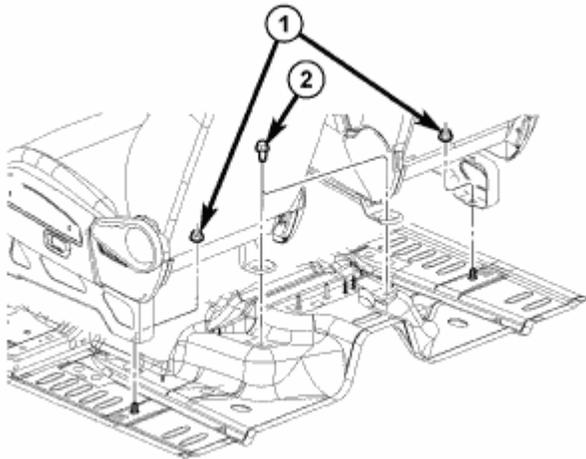
81971b4c

Fig. 453: Front Bolts, Seat Belt Bolts, Seat Belts, Side Shield & Electrical Connectors
Courtesy of CHRYSLER LLC

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

NOTE: Start all seat fasteners first before tightening to specifications.

1. Install the seats to the vehicle.
2. Slide the seats to the rearward position, connect the electrical connectors (5) and install the bolts (1).
3. Tighten the inboard bolts first then tighten the outboard bolts (1) to 62 N.m (46 ft. lbs.).
4. Install the seat belts (3) and bolts (2), refer to **INSTALLATION** .



81971b50

Fig. 454: Rear Nuts And Bolts
Courtesy of CHRYSLER LLC

5. Tighten the rear nuts (1) to 62 N.m (46 ft. lbs.).
6. Tighten the rear bolts (2) to 62 N.m (46 ft. lbs.).
7. Install the side shield (4) to the seats.
8. Install the head rest to the seats.
9. Do not reconnect the battery negative cable at this time. The supplemental restraint system verification test procedure should be performed following service of any supplemental restraint system component, refer to **STANDARD PROCEDURE** .
10. Following successful completion of the supplemental restraint system verification test procedure, perform the Occupant Classification System Verification Test using a scan tool. Refer to the appropriate diagnostic procedures.

SEAT BACK - FRONT

REMOVAL

SEAT BACK - FRONT

Driver Seat 6 Way

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. Remove the front seat, see REMOVAL.
2. For the drivers seat illustration, see DESCRIPTION.
3. Remove the power seat switch cover (30).
4. Remove the screws (28) and remove the side shield (27).
5. Remove the screws (26) and remove the outer shield (25).
6. Remove the inner shield (25).
7. Remove the outer shield (9).
8. Remove the screws (13) and remove the inner shield (12).
9. Remove the left side bolts (21) and the right side bolts (11).
10. Separate the seat back from the seat frame assembly.

Driver Seat 2 Way

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. Remove the front seat, see REMOVAL.
2. For the drivers seat illustration, see DESCRIPTION.
3. Remove the screws (22) and remove the side shield (24).
4. Remove the screws (21) and remove the outer shield (25).
5. Remove the inner shield (25).
6. Remove the outer shield (9).
7. Remove the screws (10) and remove the inner shield (11).
8. Remove the left side bolts (19) and the right side bolts (13).
9. Separate the seat back from the seat frame assembly.

Passenger Seat

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. Remove the front seat, see REMOVAL.
2. For the passenger seat illustration, see DESCRIPTION.
3. Remove side shield (24).
4. Remove the screws (27) and remove the shield (23).

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

5. Remove upper shield (21).
6. Remove the shield from the lower seat cushion frame.
7. Remove the screws (8) and remove the shield (12).
8. Remove the shield (13).
9. Remove the recliner handle (14).
10. Remove the left side bolts (22) and the right side bolts (15).
11. Separate the seat back from the seat frame assembly.

DISASSEMBLY

DISASSEMBLY

Driver Seat

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. Remove the front seat back, see REMOVAL.
2. For the drivers seat illustration, see DESCRIPTION.
3. Remove the headrest (4).
4. Remove the seat back shield (19).
5. Remove the seat back cover (39).
6. Remove the left guide (5) and right guide (3) from the seat back cushion (2).
7. Remove the seat back cushion (2) from the seat back frame (16).

Passenger Seat

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. Remove the front seat back, see REMOVAL.
2. For the passenger seat illustration, see DESCRIPTION.
3. Remove the headrest (3).
4. Remove the seat back shield (18).
5. Remove the seat back cover (48).
6. Remove the left guide (4) and right guide (2) from the seat back cushion (44).
7. Remove the seat back cushion (44) from the seat back frame (29).

ASSEMBLY

ASSEMBLY

Driver Seat

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. For the drivers seat illustration, see DESCRIPTION.
2. Install the seat back cushion (2) to the seat back frame (16).
3. Install the left guide (5) and right guide (3) to the seat back cushion (2).
4. Install the seat back cover (39).
5. Install the seat back shield (19).
6. Install the headrest (4).
7. Install the front seat back, see INSTALLATION.

Passenger Seat

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. For the passenger seat illustration, see DESCRIPTION.
2. Install the seat back cushion (44) to the seat back frame (29).
3. Install the left guide (4) and right guide (2) to the seat back cushion (44).
4. Install the seat back cover (48).
5. Install the seat back shield (18).
6. Install the headrest (3).
7. Install the front seat back, see INSTALLATION.

INSTALLATION

SEAT BACK - FRONT

Driver Seat 6 Way

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. For the drivers seat illustration, see DESCRIPTION.
2. Install the left side bolts (21) and the right side bolts (11) and tighten to 47.5 N.m (35 ft. lbs.).
3. Install the inner shield (12) and screws (13).
4. Install the outer shield (9).
5. Install the inner shield (25).
6. Install the outer shield (25) and screws (26).

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

7. Install the side shield (27) and screws (28).
8. Install the power seat switch cover (30).
9. Install the front seat to the vehicle, see **INSTALLATION**.

Driver Seat 2 Way

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. For the drivers seat illustration, see **DESCRIPTION**.
2. Install the left side bolts (19) and the right side bolts (13) and tighten to 47.5 N.m (35 ft. lbs.).
3. Install the inner shield (11) and screws (10).
4. Install the outer shield (9).
5. Install the inner shield (25).
6. Install the outer shield (25) and screws (21).
7. Install the side shield (24) and screws (22).
8. Install the front seat to the vehicle, see **INSTALLATION**.

Passenger Seat

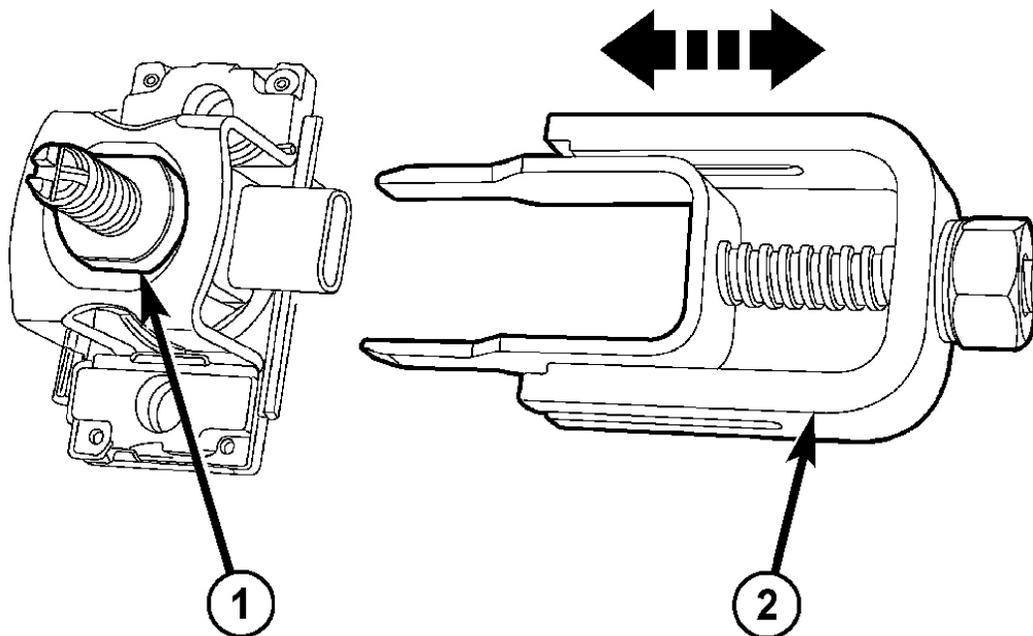
WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. For the passenger seat illustration, see **DESCRIPTION**.
2. Install the left side bolts (22) and the right side bolts (15) and tighten to 47.5 N.m (35 ft. lbs.).
3. Install the recliner handle (14).
4. Install the shield (13).
5. Install the shield (12) and screws (8).
6. Install the shield to the lower seat cushion frame.
7. Install upper shield (21).
8. Install the shield (23) and screws (27).
9. Install side shield (24).
10. Install the front seat to the vehicle, see **INSTALLATION**.

SEAT CUSHION - FRONT

REMOVAL

SEAT CUSHION - FRONT

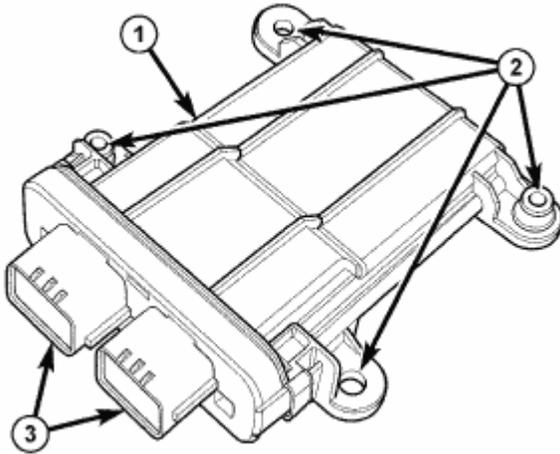


816a7796

Fig. 455: Removing/Installing Seat Weight Sensor
Courtesy of CHRYSLER LLC

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

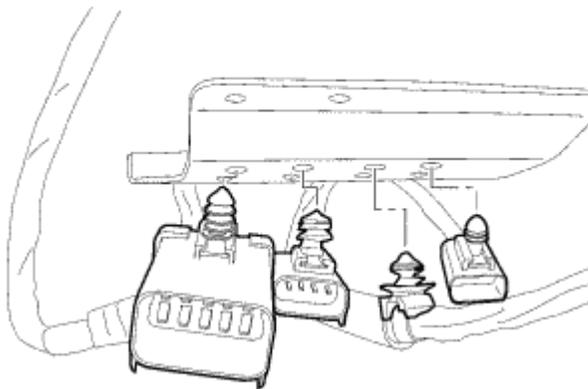
1. Remove the passenger or drivers front seat, see **REMOVAL**.
2. Remove the seat weight sensors if equipped, passenger seat only, refer to **REMOVAL** .



818f7bee

Fig. 456: Occupant Classification Module
Courtesy of CHRYSLER LLC

3. Disconnect the electrical connectors and remove the occupant classification module, refer to **REMOVAL** .



81a293ba

Fig. 457: OCS Electrical Connectors
Courtesy of CHRYSLER LLC

4. Remove the electrical harness connectors from the OCS mounting plate.

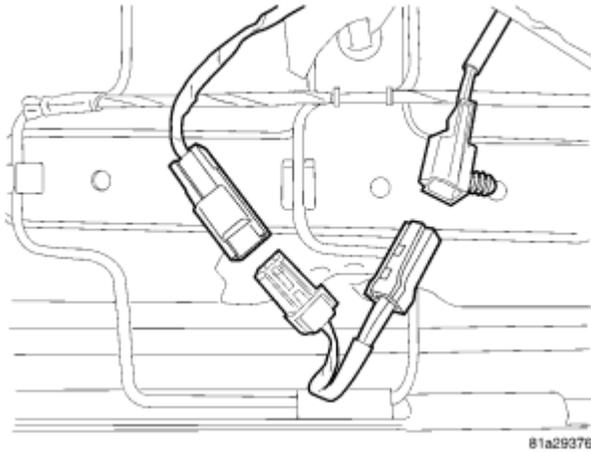


Fig. 458: Heated Seat Element Electrical Connectors
Courtesy of CHRYSLER LLC

5. Remove the electrical connectors for both the heated seat back and seat elements.

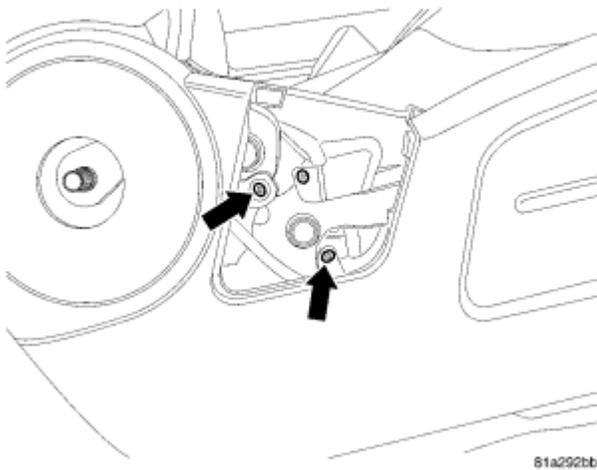
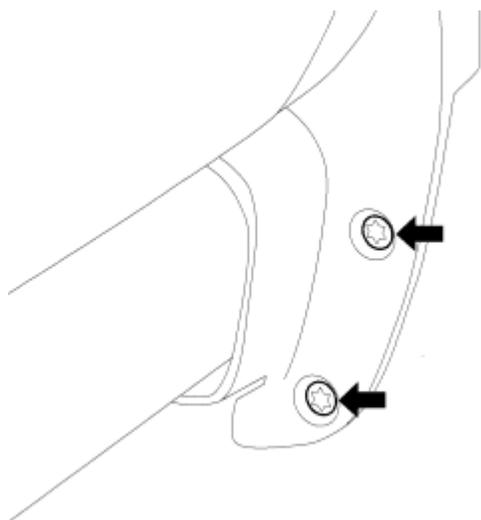


Fig. 459: Passenger Outer Trim Screws
Courtesy of CHRYSLER LLC

6. Remove the recliner handle.
7. Remove the two screws from the side of the outer seat trim.



81a2c763

Fig. 460: Rear Seat Screws
Courtesy of CHRYSLER LLC

8. Remove the two screws from the rear of the outer seat trim and remove the trim panel.
9. Remove the seat position sensor.

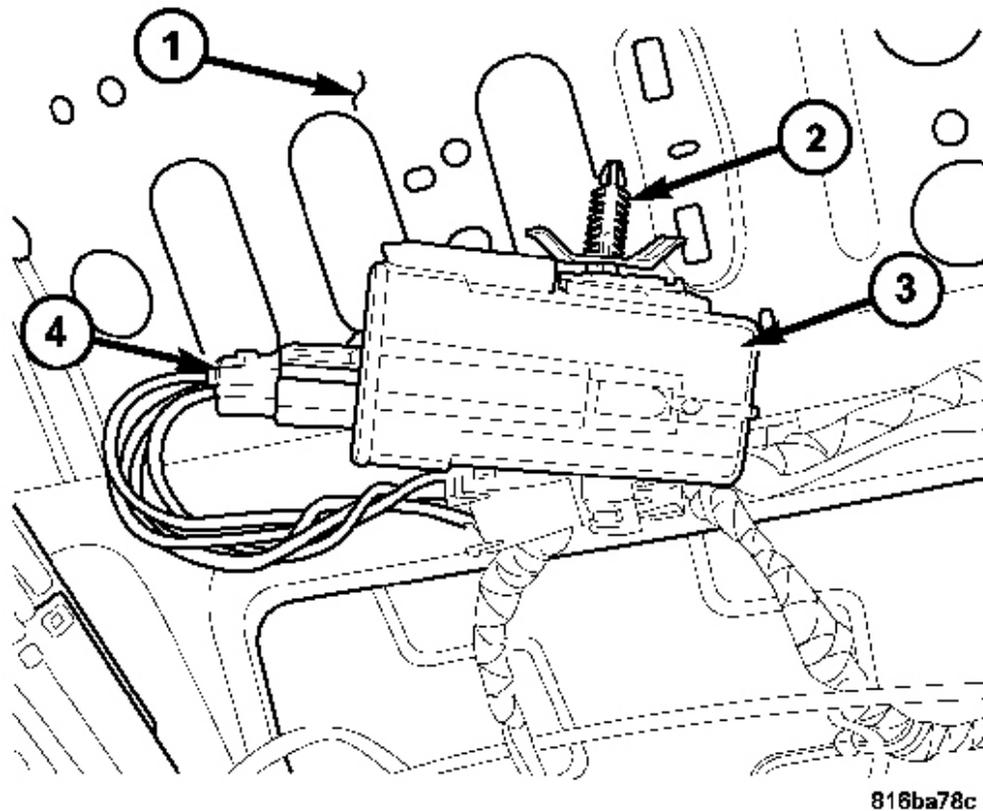


Fig. 461: Locating Heated Seat Module
Courtesy of CHRYSLER LLC

CAUTION: The Heated Seat Module mounting tab can be damaged during module removal and installation. Use care to properly align tab to prevent binding that could result in tab breakage.

10. Position the right front seat to the full rearward position.
11. Disconnect and isolate the battery negative cable.
12. Disconnect the wire harness connector (4) from the heated seat module (3).
13. Unsnap the heated seat module retaining tab (2) from the seat pan (1).
14. Remove the heated seat module (3) from the vehicle.
15. Remove the three nuts and remove the left seat track.
16. Remove the three nuts and remove the right seat track.

17. Remove the electrical harness from the seat bottom.

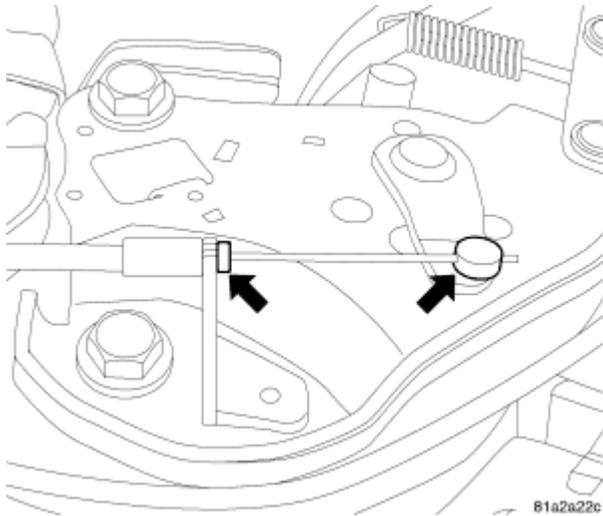


Fig. 462: Recliner Cable
Courtesy of CHRYSLER LLC

18. Remove the recliner cable from the left and right side of the seat.

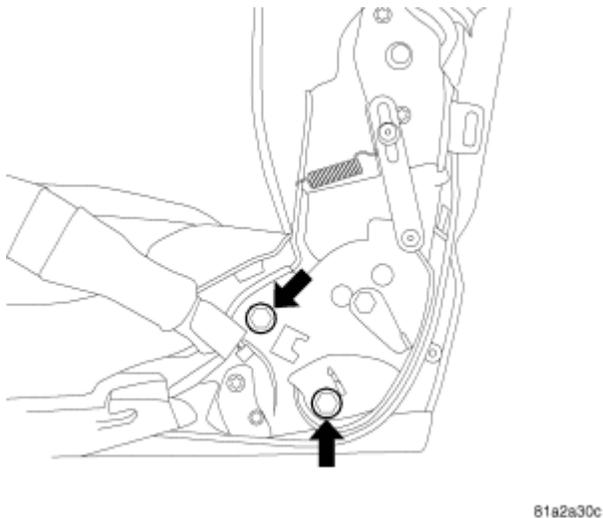


Fig. 463: Seat Frame Bolts
Courtesy of CHRYSLER LLC

19. Remove the two seat frame bolts from the left and right side of the seat.
20. Separate the seat bottom and the seat back.

DISASSEMBLY

DISASSEMBLY

WARNING: Before proceeding with the following repair procedure, review all

warnings and cautions. See WARNING.

1. Remove the seat cushion section from the front seat assembly, see **REMOVAL**.
2. Remove the seat cover plastic retaining clips from the seat frame.
3. Remove the cover and cushion together from the seat frame.
4. Fold the seat cover back to expose the hog rings, cut and remove all hog rings.
5. Remove the seat cover from the seat cushion.

ASSEMBLY

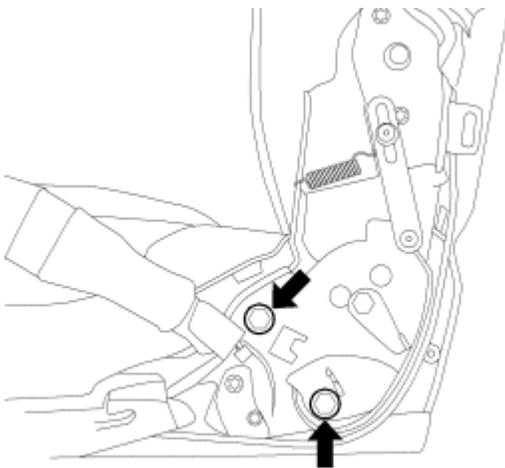
ASSEMBLY

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See WARNING.

1. Install the seat cover to the seat cushion.
2. Fold the seat cover back to access the hog ring locations and install new hog rings to the seat cushion and cover.
3. Install the cover and cushion together to the seat frame.
4. Install the seat cover plastic retaining clips to the seat frame.
5. Install the seat cushion section to the front seat assembly, see **INSTALLATION**.

INSTALLATION

SEAT CUSHION - FRONT



61a2a30c

Fig. 464: Seat Frame Bolts
Courtesy of CHRYSLER LLC

WARNING: Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.

1. Install the seat bottom to the seat back frame.
2. Install the two seat frame bolts to the left and right side of the seat and tighten to 47.5 N.m (35 ft. lbs.)

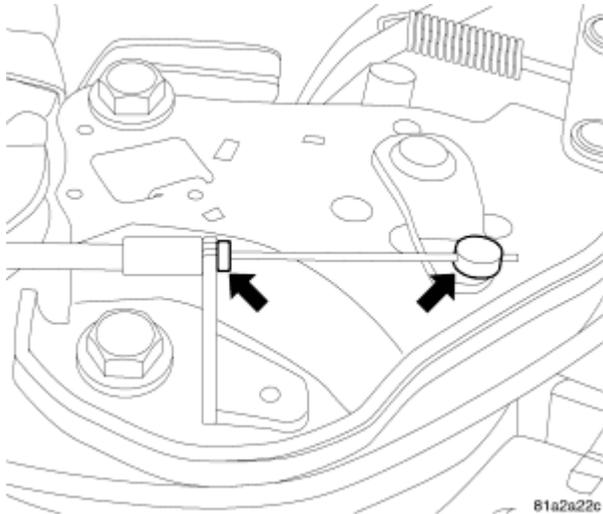


Fig. 465: Recliner Cable
Courtesy of CHRYSLER LLC

3. Install the recliner cable to the left and right side of the seat if equipped, passenger side only.
4. Install the electrical harness to the seat bottom.
5. Install the right and left seat tracks to the seat frame and tighten the nuts to 27.5 N.m (20 ft. lbs.).

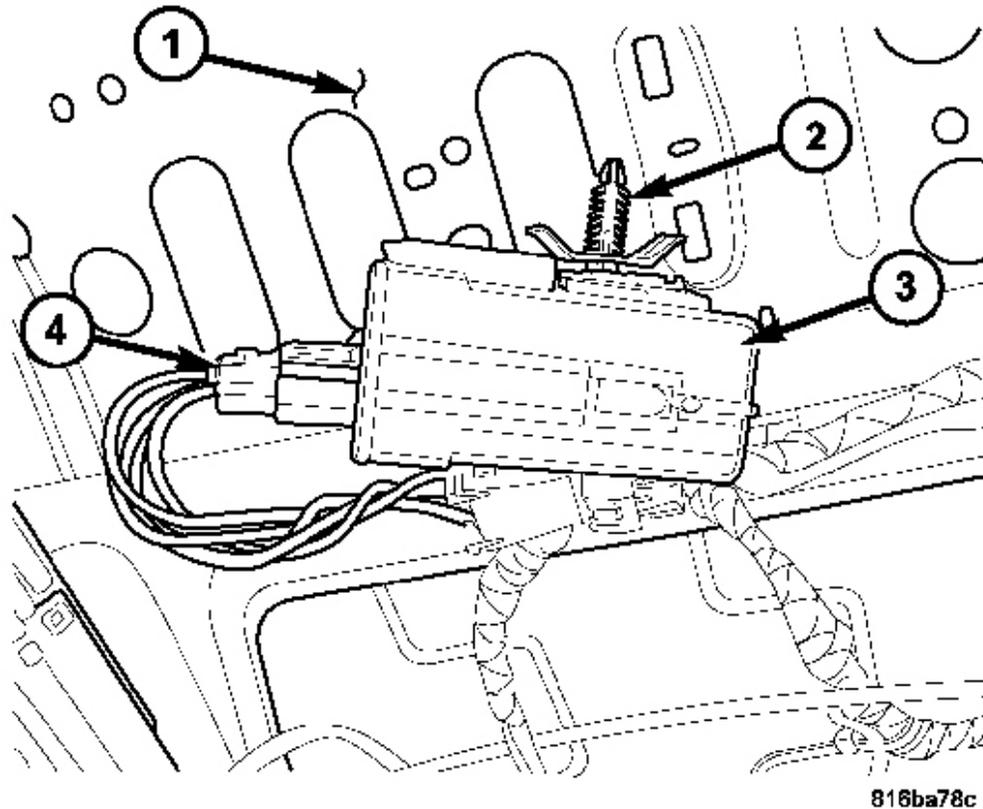


Fig. 466: Locating Heated Seat Module
Courtesy of CHRYSLER LLC

CAUTION: The Heated Seat Module mounting tab can be damaged during module removal and installation. Use care to properly align tab to prevent binding that could result in tab breakage.

6. Install the heated seat module (3) into the vehicle.
7. Position the retaining tab (2) with the mounting hole in the seat pan (1). Firmly apply even pressure to the module (3) until the mounting tab is fully seated.
8. Connect the wire harness connector (4) to the heated seat module (3).

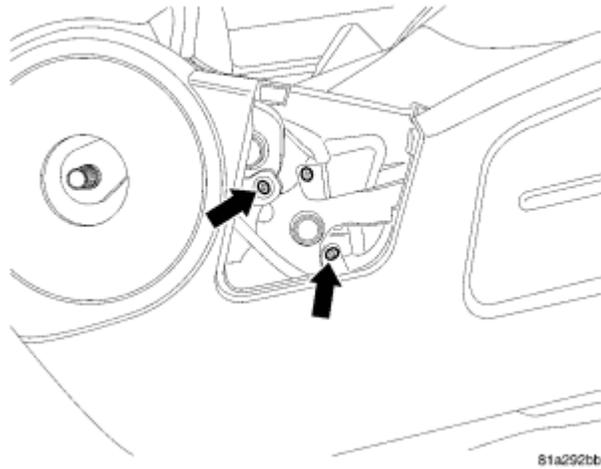


Fig. 467: Passenger Outer Trim Screws
Courtesy of CHRYSLER LLC

9. Install the seat position sensor.
10. Install the two screws to the side of the outer seat trim.

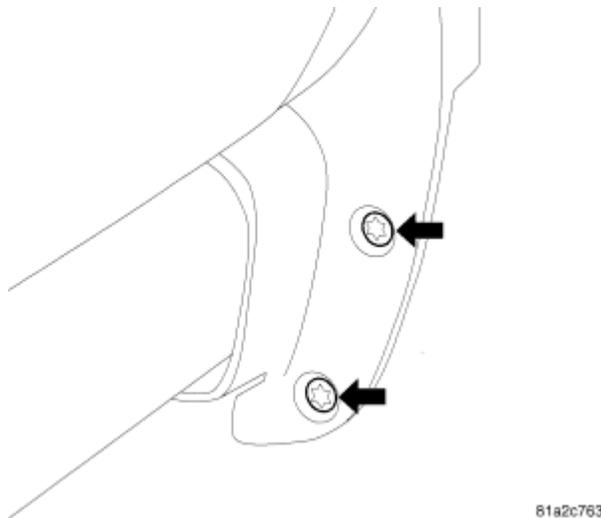


Fig. 468: Rear Seat Screws
Courtesy of CHRYSLER LLC

11. Install the two screws to the rear of the outer seat trim.
12. Install the recliner handle.

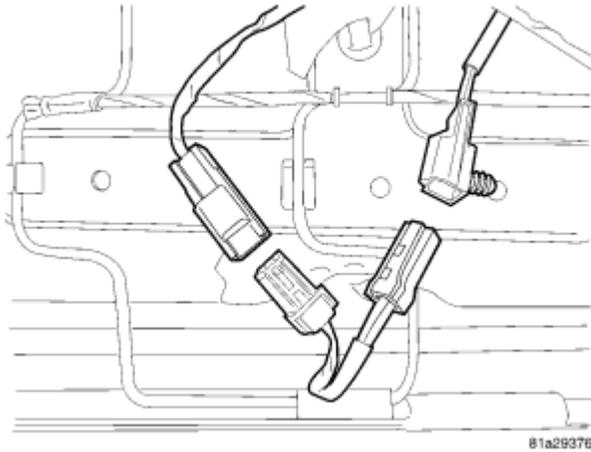


Fig. 469: Heated Seat Element Electrical Connectors
Courtesy of CHRYSLER LLC

13. Install the electrical connectors for both the heated seat back and seat elements.

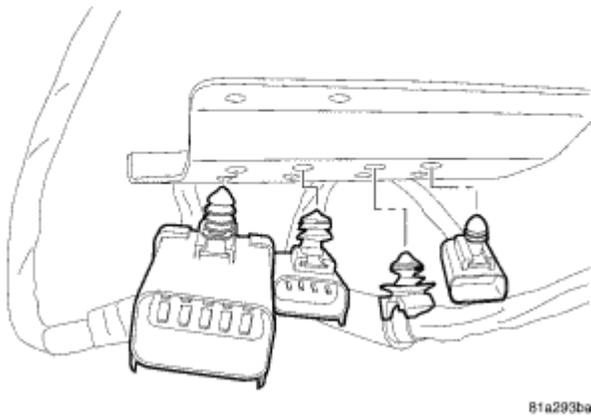
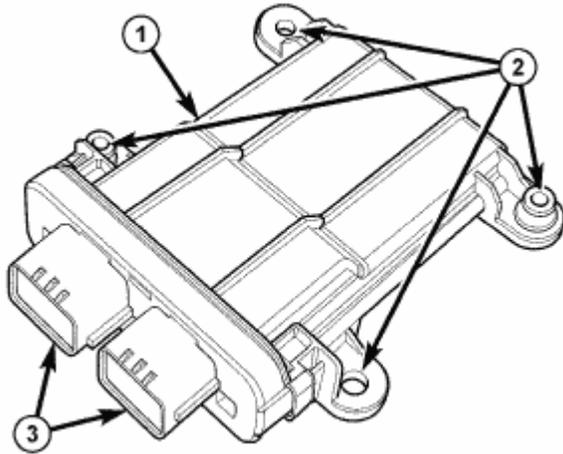


Fig. 470: OCS Electrical Connectors
Courtesy of CHRYSLER LLC

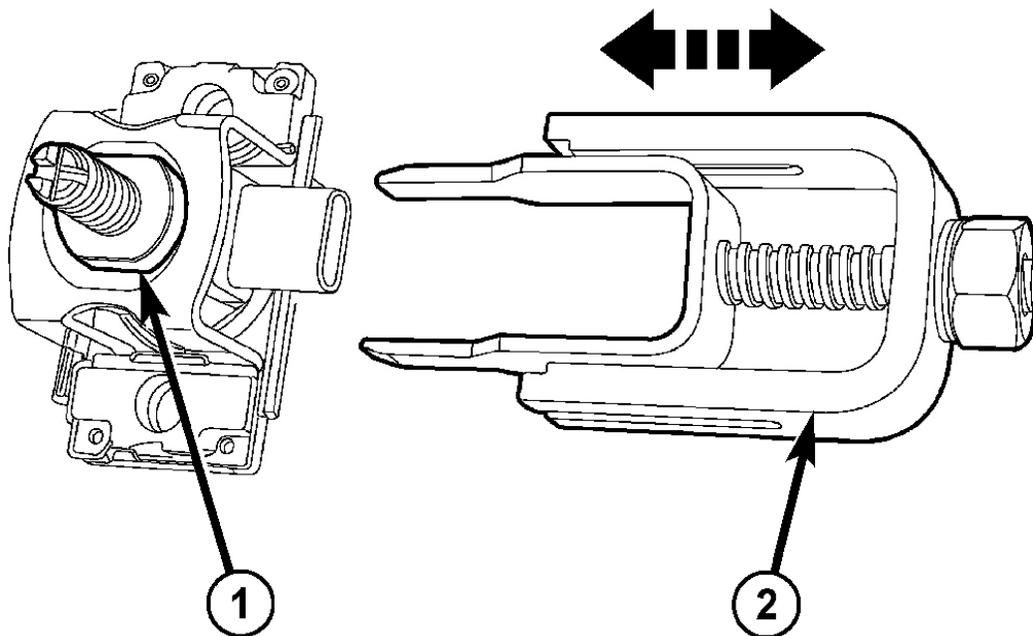
14. Install the electrical harness connectors to the OCS mounting plate.



818f7bee

Fig. 471: Occupant Classification Module
Courtesy of CHRYSLER LLC

15. Install the occupant classification module and connect the electrical connectors if equipped, passenger side only, refer to **INSTALLATION** .



816a7796

Fig. 472: Removing/Installing Seat Weight Sensor
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

16. Install the seat weight sensors if equipped, passenger seat only, refer to **INSTALLATION** .
17. Install the passenger or drivers front seat, see **INSTALLATION**.

SEAT - REAR

DESCRIPTION

DESCRIPTION

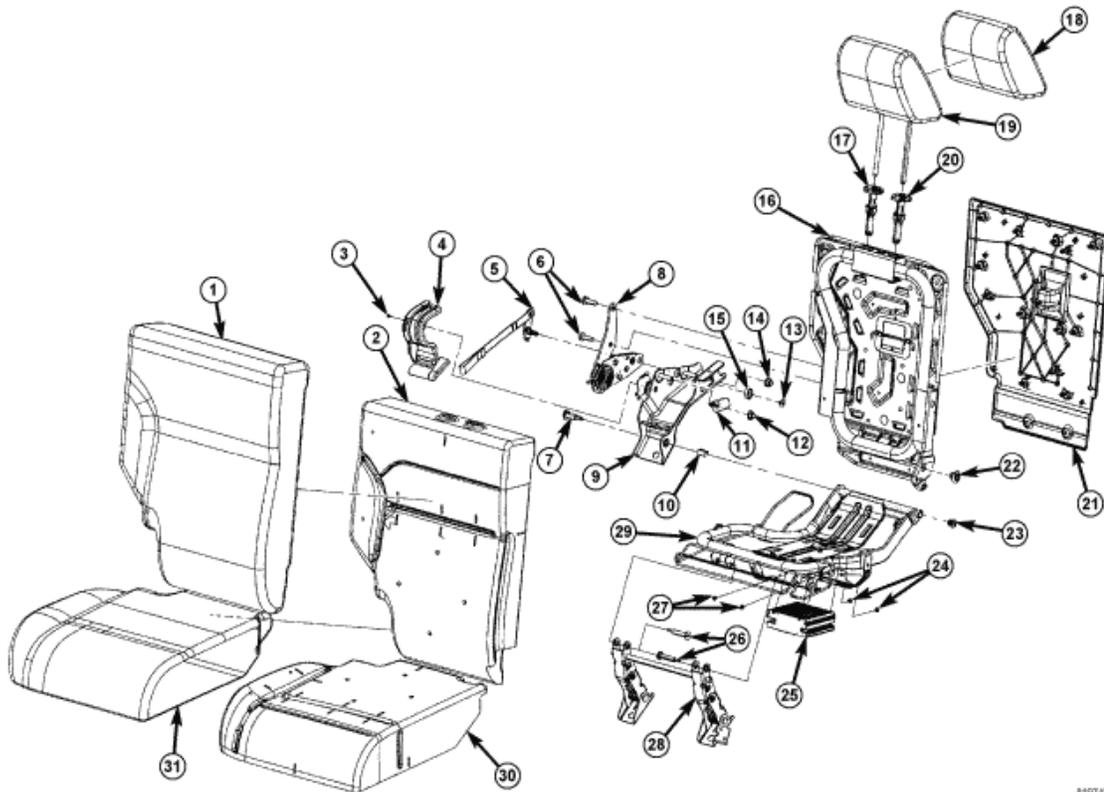


Fig. 473: Rear Seat Assembly
Courtesy of CHRYSLER LLC

1 - COVER, BACK 40	17 - SLEEVE, ASSEMBLY SLAVE
2 - CUSHION, BACK 40	18 - COVER, HEADREST
3 - SCREW, SHIELD 3 N.m (26.5 in. lbs.)	19 - HEADREST, ASSEMBLY
4 - SHIELD, ASSEMBLY	20 - SLEEVE, ASSEMBLY MASTER
5 - LEVER, RELEASE ASSEMBLY	21 - PANEL, BACK, ASSEMBLY
6 - SCREWS, M10 X 30MM 47.5 N.m (35 ft. lbs.)	22 - CLIP, PLASTIC
7 - SCREW, M8 X 1.25 X 19 27.5 N.m (20 ft. lbs.)	23 - BUSHING, PRESS FIT
8 - RECLINER, ASSEMBLY	24 - SCREWS, POWER INVERTER 3 N.m (26.5 in. lbs.)
9 - BRACKET, FLOOR ASSEMBLY	25 - POWER INVERTER
10 - BUSHING, SPACER	26 - SCREWS 10 N.m (88.5 in. lbs.)

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

11 - BRACKET, ATTACHMENT

12 - NUT, LOCK M10 X 1.5 47.5 N.m (35 ft. lbs.)

13 - SCREW, RELEASE LEVER 7 N.m (62 in. lbs.)

14 - NUT, LOCK M10 X 1.5 47.5 N.m (35 ft. lbs.)

15 - BUSHING, SPACER

16 - FRAME, BACK CUSHION

27 - SCREWS, POWER INVERTER 3 N.m (26.5 in. lbs.)

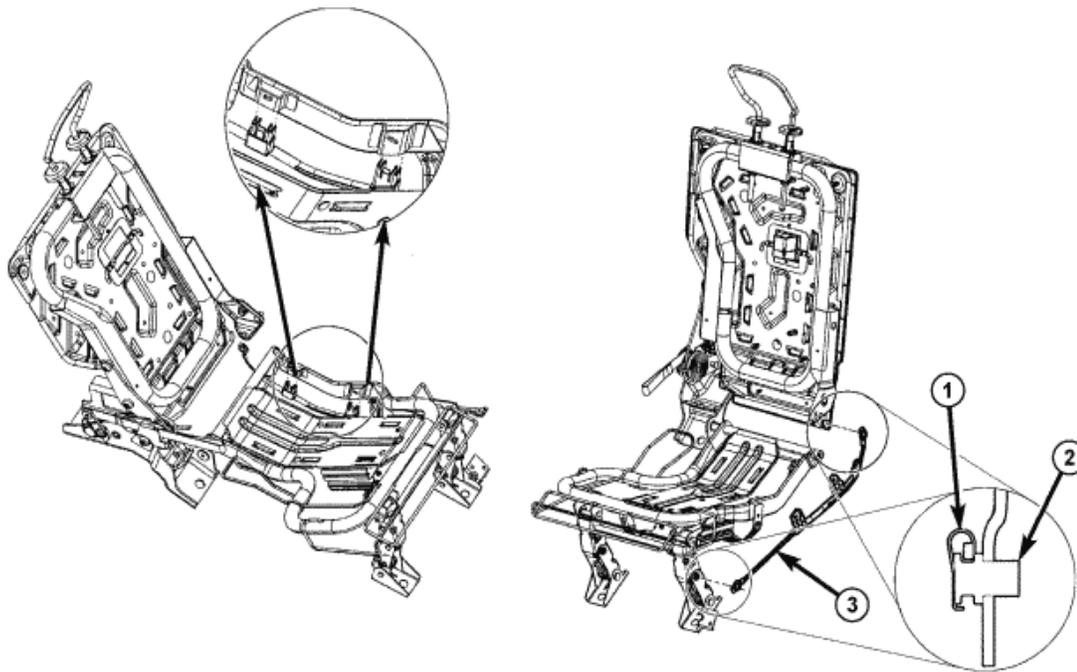
28 - LINK, ASSEMBLY

29 - FRAME, SEAT CUSHION

30 - CUSHION, SEAT

31 - COVER, SEAT

-



81976a05

Fig. 474: Rear Seat Cable

Courtesy of CHRYSLER LLC

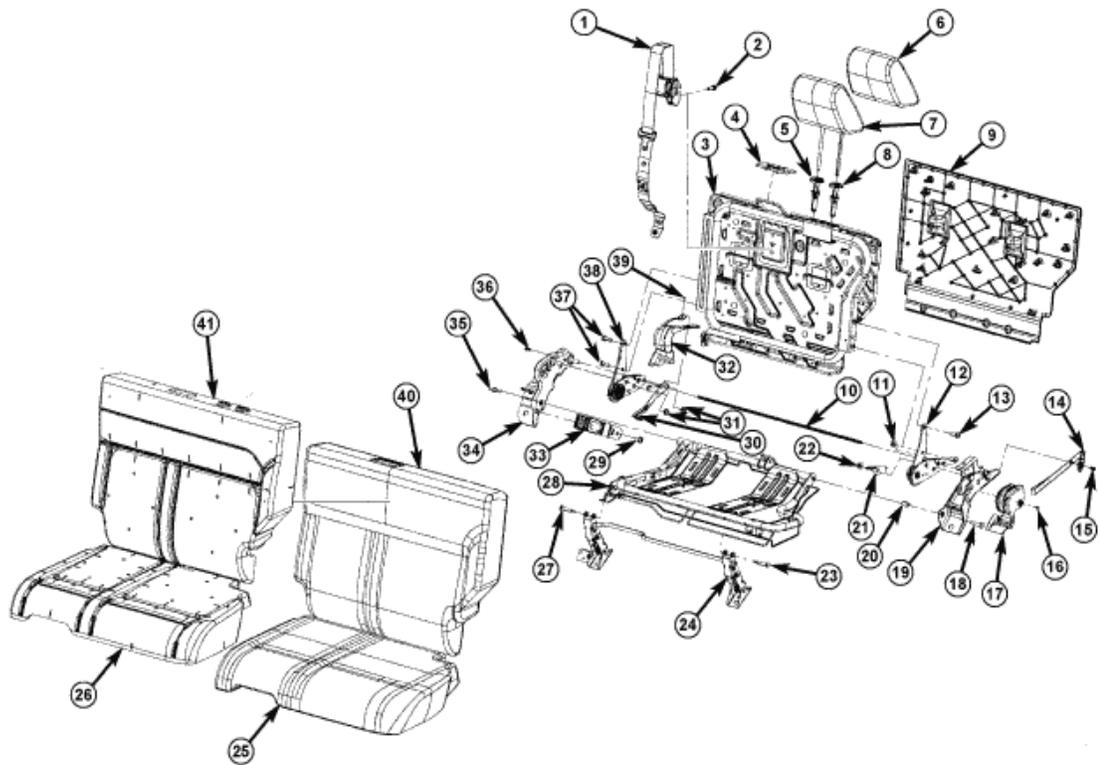
1 - CLIP CABLE END

2 - STUD

3 - CABLE

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81974301

Fig. 475: Rear Seat Assembly
Courtesy of CHRYSLER LLC

- | | |
|---|--|
| 1 - RETRACTOR, ASSEMBLY | 22 - NUT, LOCK M10 X 1.5 47.5 N.m (35 ft. lbs.) |
| 2 - BOLT, RETRACTOR 47.5 N.m (35 ft. lbs.) | 23 - SCREW 10 N.m (88.5 in. lbs.) |
| 3 - FRAME, BACK CUSHION | 24 - LINK, ASSEMBLY |
| 4 - BEZEL, RETRACTOR | 25 - CUSHION, SEAT |
| 5 - SLEEVE, ASSEMBLY SLAVE | 26 - COVER, SEAT |
| 6 - COVER, HEADREST | 27 - SCREW 10 N.m (88.5 in. lbs.) |
| 7 - HEADREST, ASSEMBLY | 28 - FRAME, SEAT CUSHION |
| 8 - SLEEVE, ASSEMBLY MASTER | 29 - BOLT, RESTRAINT 55 N.m (40.5 ft. lbs.) |
| 9 - PANEL, ASSEMBLY BACK | 30 - BRACKET, ATTACHMENT |
| 10 - ROD, RECLINER | 31 - NUTS, LOCK M10 X 1.5 47.5 N.m (35 ft. lbs.) |
| 11 - NUT, LOCK M10 X 1.5 47.5 N.m (35 ft. lbs.) | 32 - SHIELD, ASSEMBLY |
| 12 - RECLINER, ASSEMBLY | 33 - BUCKLE, SEAT BELT |
| 13 - SCREW, M10 X 30MM 47.5 N.m (35 ft. lbs.) | 34 - BRACKET, FLOOR ASSEMBLY |
| 14 - LEVER, RELEASE ASSEMBLY | 35 - PIVOT, STUD 27.5 N.m (20 ft. lbs.) |
| 15 - SCREW, RELEASE LEVER 8 N.m (71 in. lbs.) | 36 - SCREW 8 N.m (71 in. lbs.) |
| 16 - SCREW, SHIELD 3 N.m (26.5 in. lbs.) | 37 - SCREWS, M10 X 30MM 47.5 N.m (35 ft. lbs.) |
| 17 - SHIELD, ASSEMBLY | 38 - RECLINER, ASSEMBLY |

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

18 - SCREW, M8 X 1.25 X 19 27.5 N.m (20 ft. lbs.)

19 - BRACKET, FLOOR ASSEMBLY

20 - BUSHING, SPACER

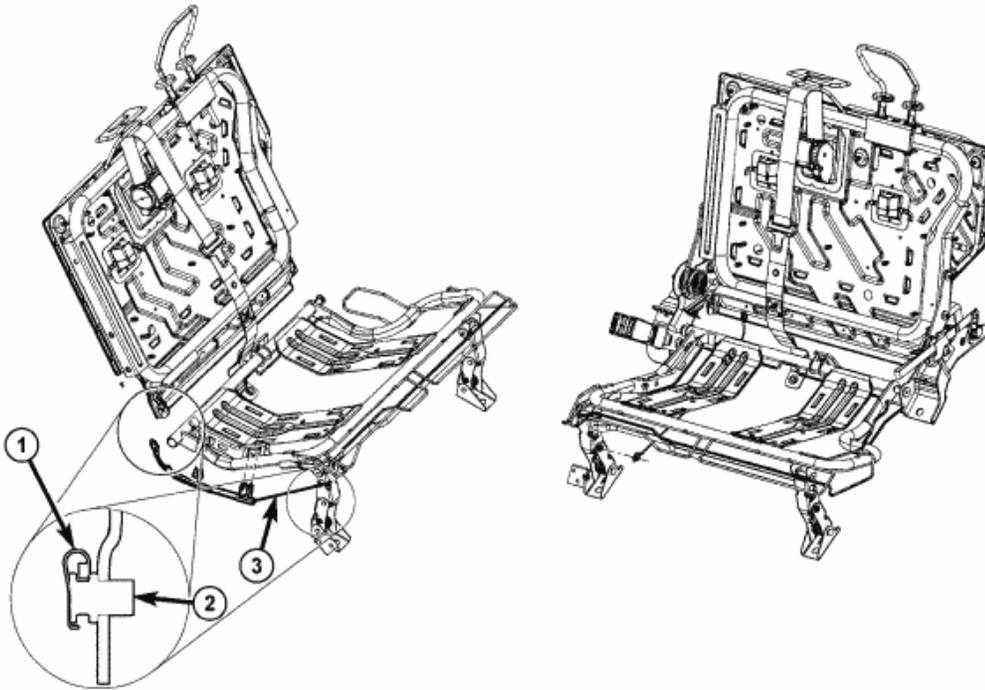
21 - BRACKET, PLASTIC

39 - SCREW, SHIELD 3 N.m (26.5 in. lbs.)

40 - CUSHION, SEAT BACK

41 - COVER, SEAT BACK

-



81976aa0

Fig. 476: Rear Seat Cable

Courtesy of CHRYSLER LLC

1 - CLIP CABLE END

2 - STUD

3 - CABLE

REMOVAL

SEAT - REAR

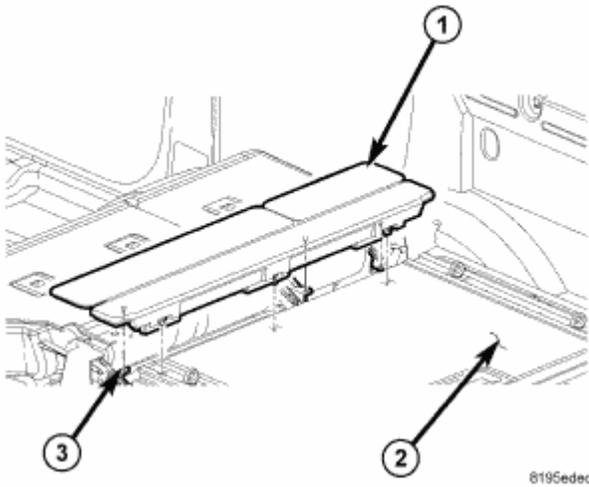


Fig. 477: Load Floor Panel, Load Floor & Rear Seat Bracket
Courtesy of CHRYSLER LLC

1. Disconnect the negative battery cable.
2. Position the rear seats so that the seats are in a flat position.
3. Remove the load floor panel (1) from the load floor (2) and the rear seat bracket (3).

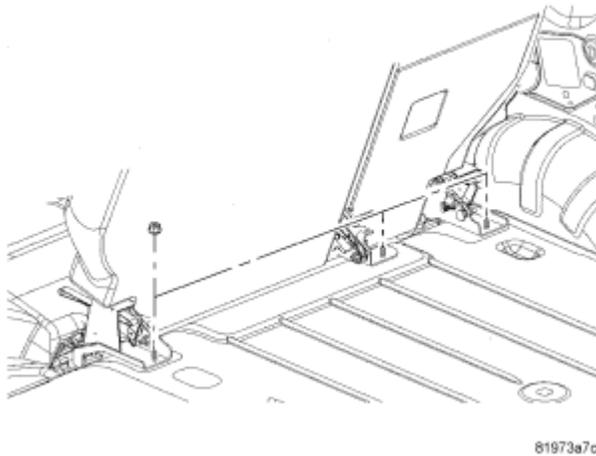
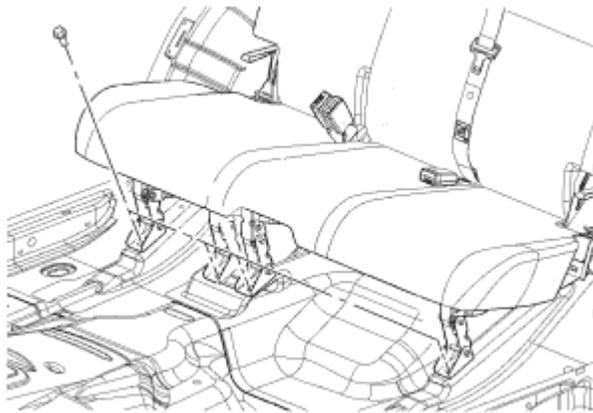


Fig. 478: Removing/Installing Seat Bracket Nuts
Courtesy of CHRYSLER LLC

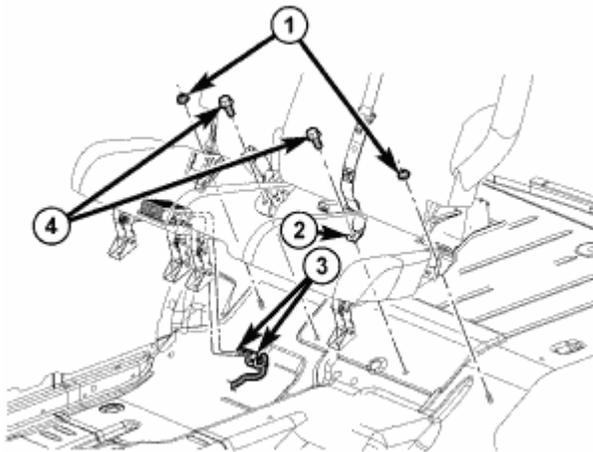
4. Remove the three seat bracket nuts.



81973a75

Fig. 479: Removing/Installing Bolts From Cushion Legs
Courtesy of CHRYSLER LLC

5. Remove the four bolts from the cushion legs.



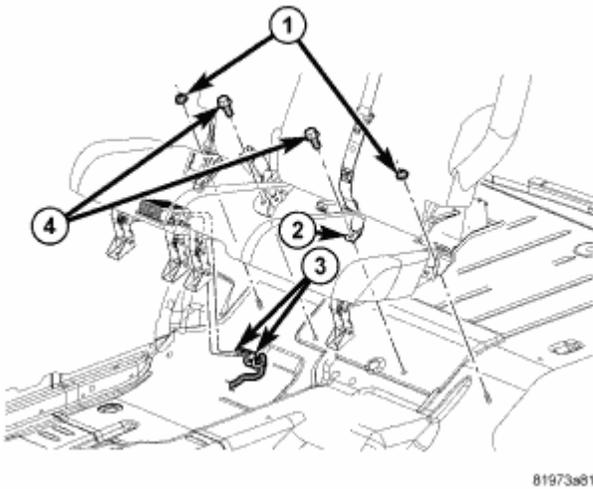
81973a81

Fig. 480: Seat Bracket Nuts, Center Seat Belt, Seat Module Electrical Connector & Center Bracket Bolts
Courtesy of CHRYSLER LLC

NOTE: Lift the bottom cushion and prop up to access the fasteners.

6. Remove the two seat bracket nuts (1) from the seat brackets.
7. Remove the center bracket bolts (4) and the center seat belt (2).
8. Remove the electrical connector (3) from the seat module.
9. Fold down the seat backs and remove from the vehicle.

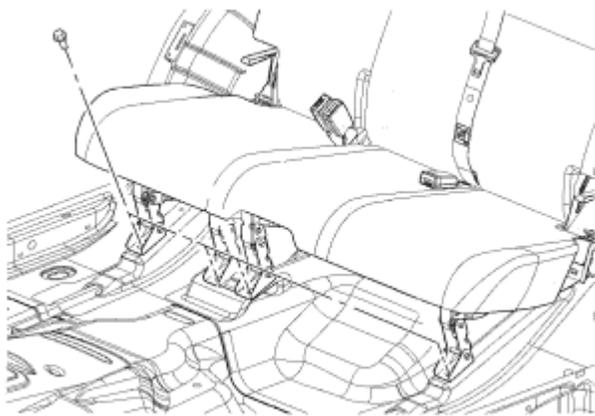
SEAT - REAR



81973a81

Fig. 481: Seat Bracket Nuts, Center Seat Belt, Seat Module Electrical Connector & Center Bracket Bolts
 Courtesy of CHRYSLER LLC

1. Fold the seat in a flat position and install the seat assembly to the rear studs.
2. Connect the electrical connector (3) to the seat module.
3. Install the anchor bolt to the seat belt (2), and tighten to 62 N.m (46 ft. lbs.), refer to **INSTALLATION** .
4. Install the two seat bracket nuts (1) to the seat brackets and tighten to 62 N.m (46 ft. lbs.)
5. Install the seat bracket bolt (4) to the seat bracket and tighten to 62 N.m (46 ft. lbs.)



81973a75

Fig. 482: Removing/Installing Bolts From Cushion Legs
 Courtesy of CHRYSLER LLC

6. Install the four seat bracket bolts to the seat brackets and tighten to 54 N.m (40 ft. lbs.).

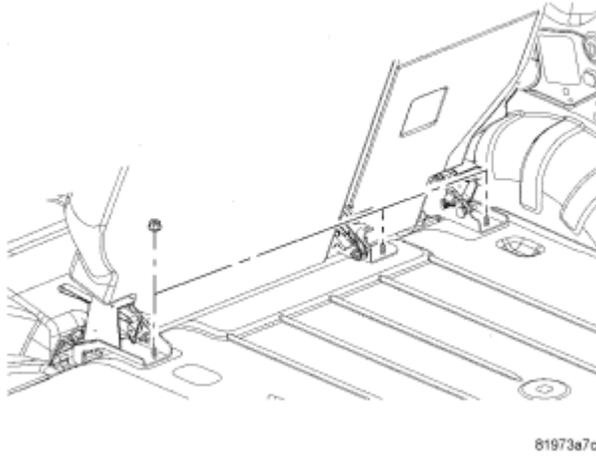


Fig. 483: Removing/Installing Seat Bracket Nuts
Courtesy of CHRYSLER LLC

7. Install the three seat bracket nuts the seat brackets and tighten to 54 N.m (40 ft. lbs.).

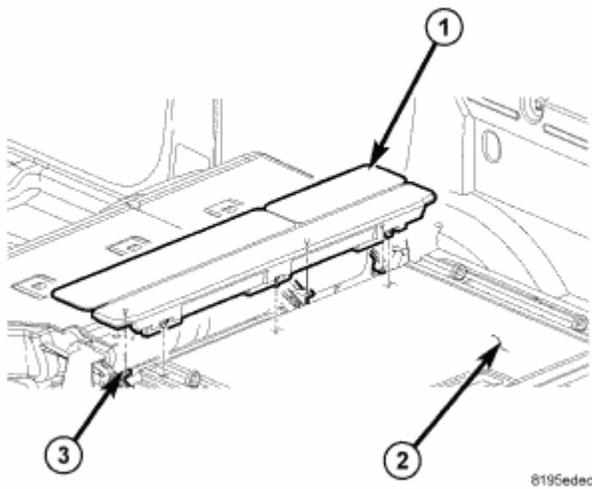


Fig. 484: Load Floor Panel, Load Floor & Rear Seat Bracket
Courtesy of CHRYSLER LLC

8. Install the load floor panel (1) to the load floor (2) and the rear seat bracket (3). Use hand pressure to seat the clips.
9. Return the rear seats in the upright position.
10. Connect the negative battery cable to the battery.

SEAT BACK - REAR

REMOVAL

SEAT BACK - REAR

60/40 Seat Back - 40

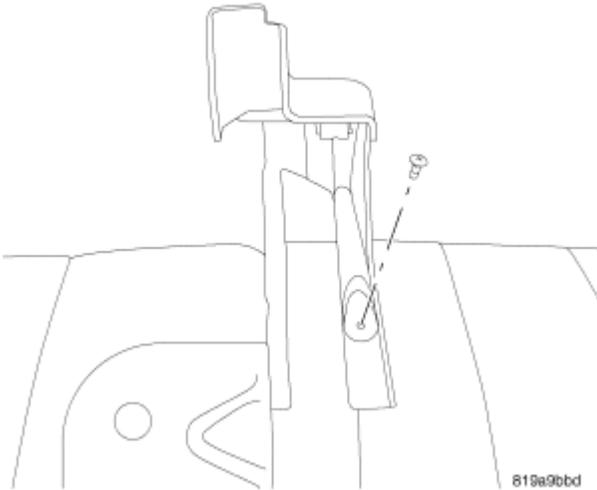


Fig. 485: Removing/Installing 40/60 Seat
Courtesy of CHRYSLER LLC

1. Remove the 40 and 60 seat, see **REMOVAL**.
2. Remove the screw and trim covering.

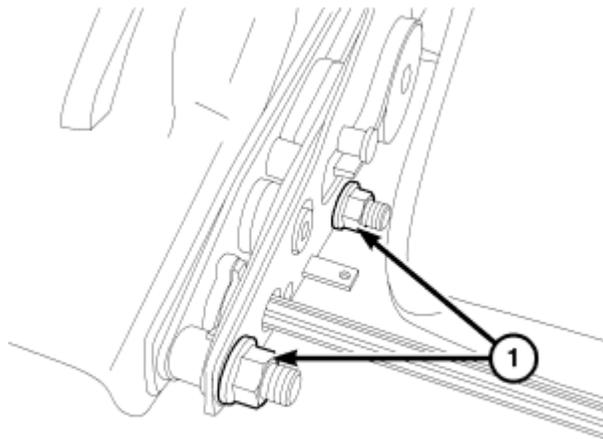
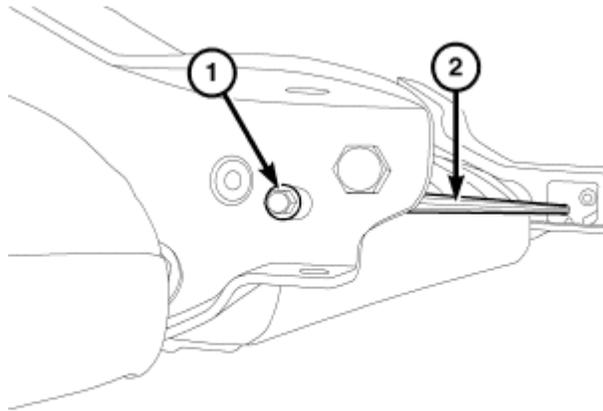


Fig. 486: Removing/Installing Nuts Attaching 40 60 Seat Back Frames
Courtesy of CHRYSLER LLC

3. Remove the nuts (1) attaching the 40 and 60 seat back frames.

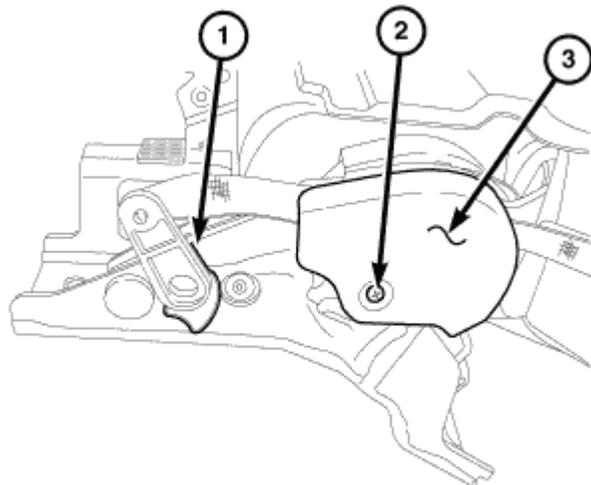


819a8f0b

Fig. 487: Removing/Installing Recliner Rod Nut And Recliner Rod
Courtesy of CHRYSLER LLC

4. Remove the recliner rod nut (1) and recliner rod (2).
5. Remove the 40 seat back frame from the 60 seat back frame.

NOTE: Mark the position of the recliner lever prior to removal. This will make sure that the recliner lever is in the proper position after installation.



819a759b

Fig. 488: 40 Seat Floor Bracket Trim
Courtesy of CHRYSLER LLC

6. Trace (1) an outline of the recliner handle. Remove screw (2) and the floor bracket trim (3) from the hinge.

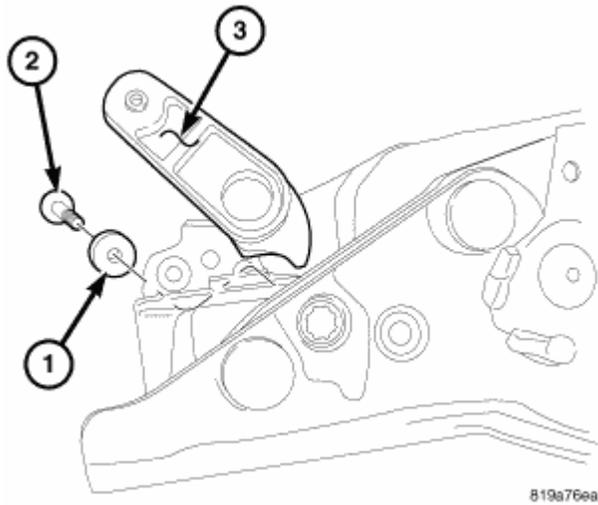


Fig. 489: 40 Seat Recliner Handle
Courtesy of CHRYSLER LLC

7. Remove the screw (2), washer (1) and recliner handle (3) from the floor bracket.

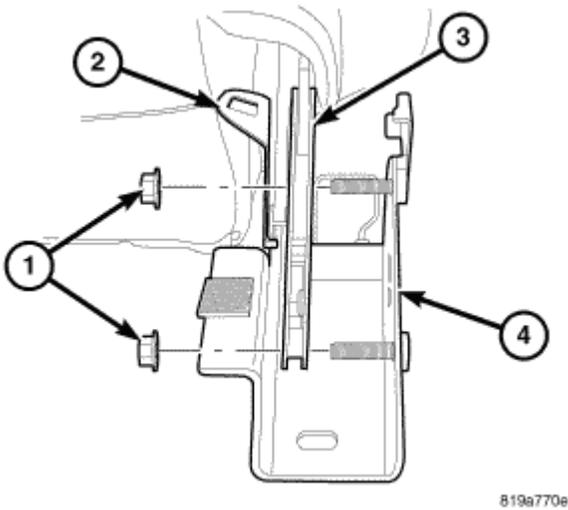
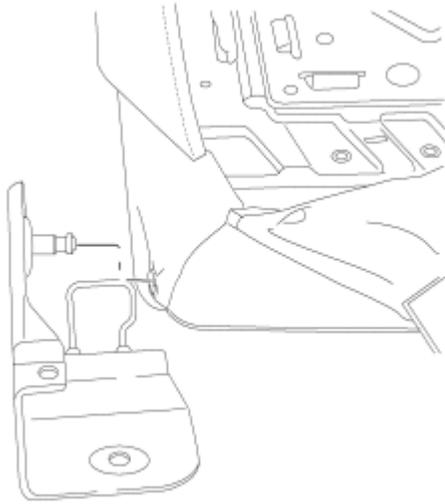


Fig. 490: 40 Seat Right Floor Bracket
Courtesy of CHRYSLER LLC

8. Remove the bracket nuts (1), trim attachment bracket (2) and bracket (4) from the hinge (3).

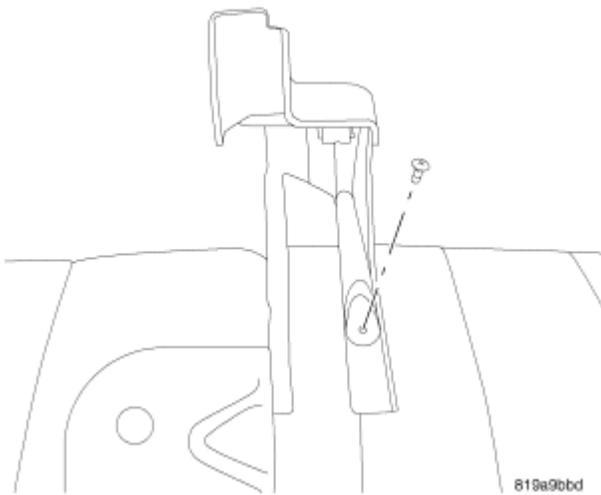


819a7790

Fig. 491: 40 Seat Left Floor Bracket
Courtesy of CHRYSLER LLC

9. Remove the left floor bracket from the seat frame.

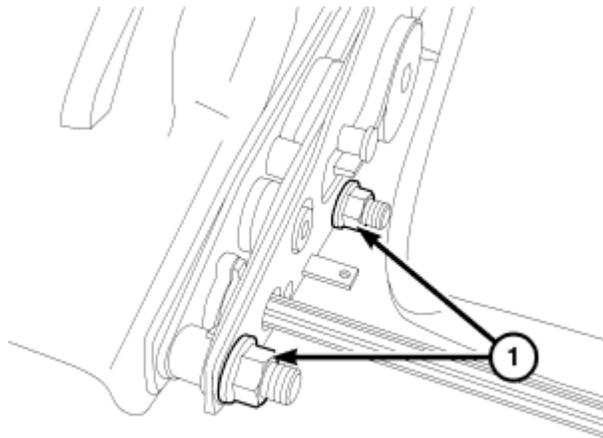
60/40 Seat Back - 60



819a9bbd

Fig. 492: Removing/Installing 40/60 Seat
Courtesy of CHRYSLER LLC

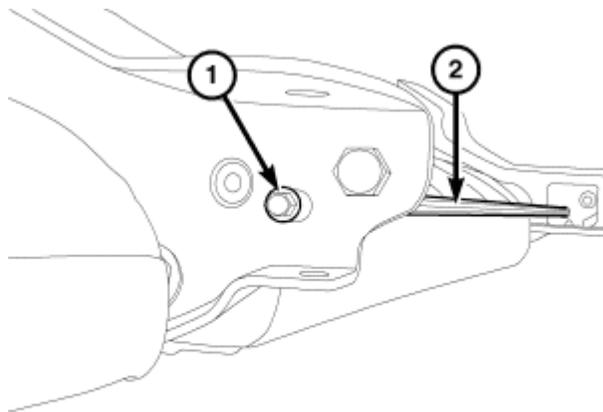
1. Remove the 40 and 60 seat, see **REMOVAL**.
2. Remove the screw and trim covering.



819a8f13

Fig. 493: Removing/Installing Nuts Attaching 40 60 Seat Back Frames
Courtesy of CHRYSLER LLC

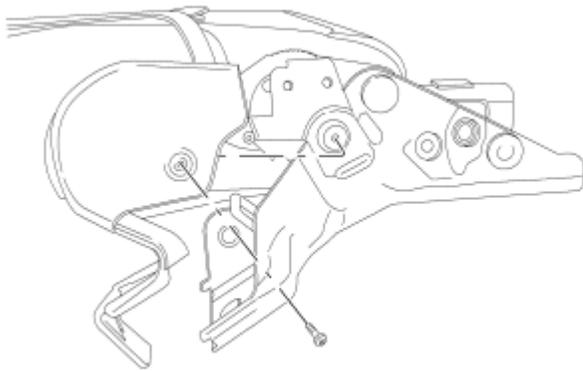
3. Remove the nuts (1) attaching the 40 and 60 seat back frames.



819a8f0b

Fig. 494: Removing/Installing Recliner Rod Nut And Recliner Rod
Courtesy of CHRYSLER LLC

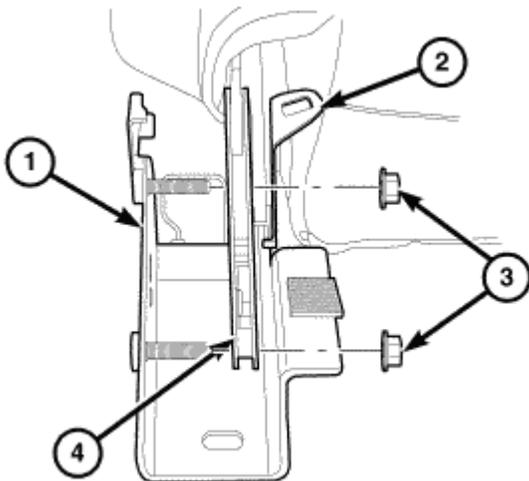
4. Remove the recliner rod nut (1) and recliner rod (2) and the spacer.
5. Remove the 40 seat back frame from the 60 seat back frame.



819a5a9e

Fig. 495: Removing/Installing Screw And Trim Covering From Hinge
Courtesy of CHRYSLER LLC

6. Remove screw and trim covering from the hinge.



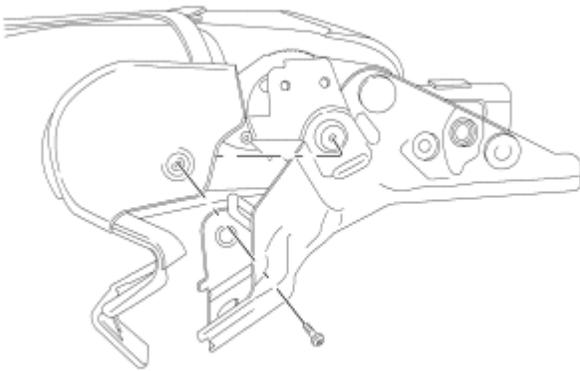
819a5ad9

Fig. 496: Bracket, Trim Attachment Bracket, Bracket Nuts & Hinge
Courtesy of CHRYSLER LLC

7. Remove the bracket nuts (3), trim attachment bracket (2) and bracket (1) from the hinge (4).

DISASSEMBLY

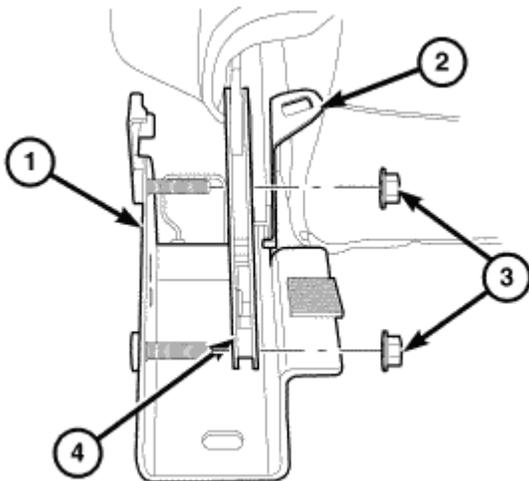
DISASSEMBLY



819a5a9e

Fig. 497: Removing/Installing Screw And Trim Covering From Hinge
Courtesy of CHRYSLER LLC

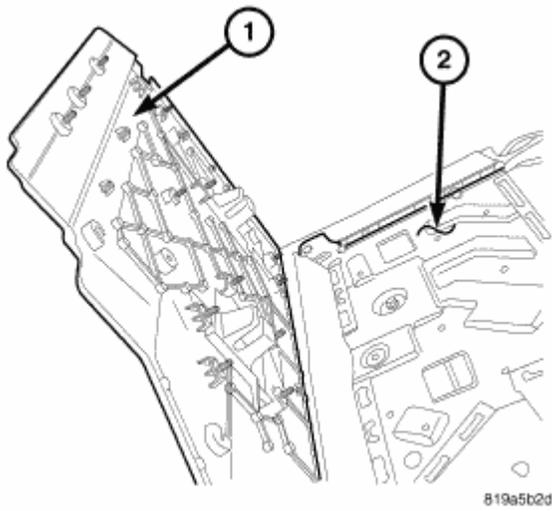
1. Remove screw and trim covering from the hinge.



819a5ad9

Fig. 498: Bracket, Trim Attachment Bracket, Bracket Nuts & Hinge
Courtesy of CHRYSLER LLC

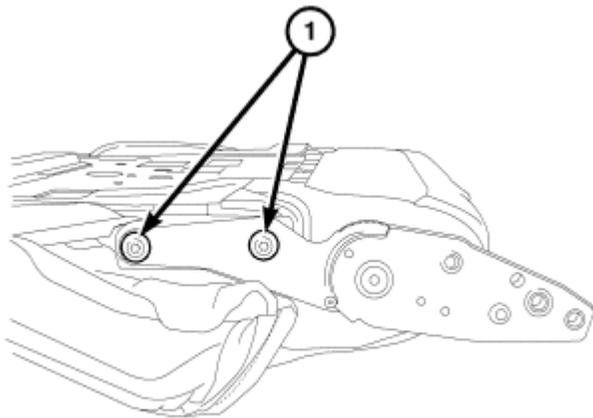
2. Remove the bracket nuts (3), trim attachment bracket (2) and bracket (1) from the hinge (4).



819a5b2d

Fig. 499: Seat Back Trim Panel & Seat Back Frame
Courtesy of CHRYSLER LLC

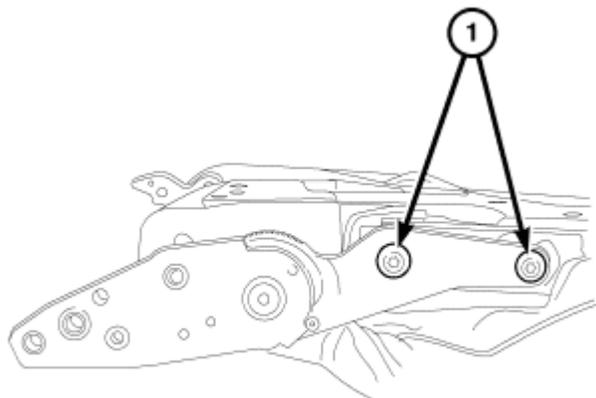
3. Remove the seat back trim panel (1) from the seat back frame (2).



819a5bd0

Fig. 500: Left Hinge Bolts
Courtesy of CHRYSLER LLC

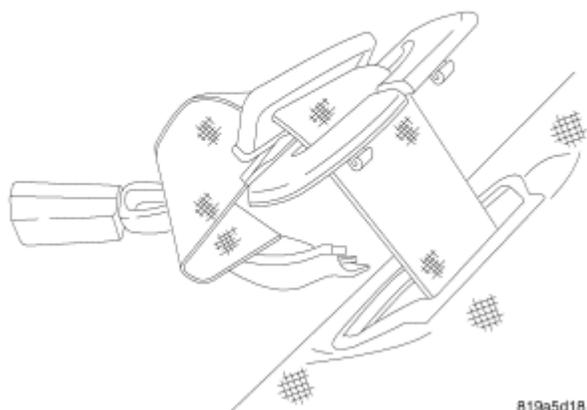
4. Remove the bolts (1) from the left hinge.



819a5c08

Fig. 501: Right Hinge Bolts
Courtesy of CHRYSLER LLC

5. Remove the bolts (1) from the right hinge.



819a5d18

Fig. 502: 60 Seat Back Seat Belt Trim
Courtesy of CHRYSLER LLC

6. Remove the seat belt trim from the top of the seat cushion.

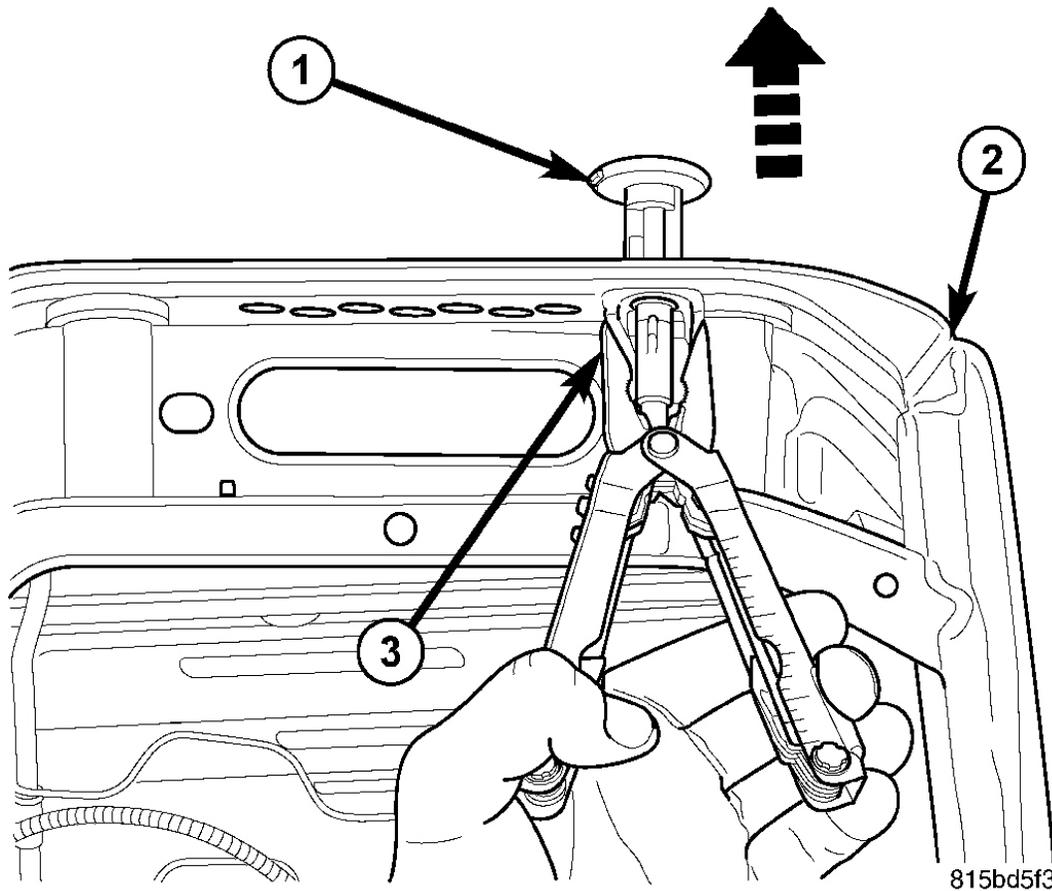


Fig. 503: Depressing Tabs On Head Rest Guide And Removing From Top Of Seat Cushion
Courtesy of CHRYSLER LLC

7. Depress the tabs (3) on the head rest guide (1) and remove from the top of the seat cushion (2).
8. Remove the seat belt through the cover and cushion.
9. Remove the cover and cushion from the seat back frame.
10. Position the seat cover to expose the hog rings and cut off all hog rings to separate the cover from the cushion.

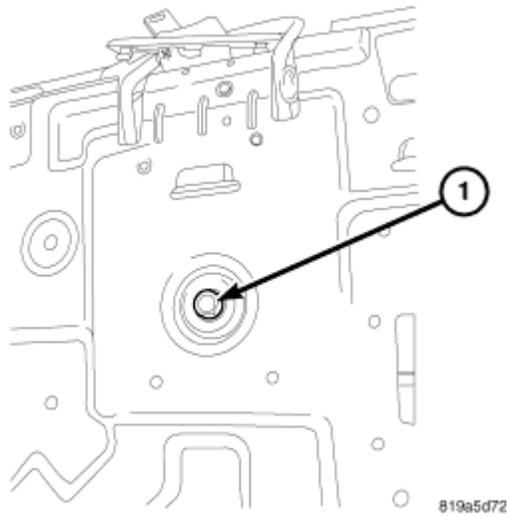


Fig. 504: 60 Seat Back Seat Belt Bolt
Courtesy of CHRYSLER LLC

11. Remove the bolt retaining the seat belt assembly from the seat back frame.

60/40 Seat Back- 40

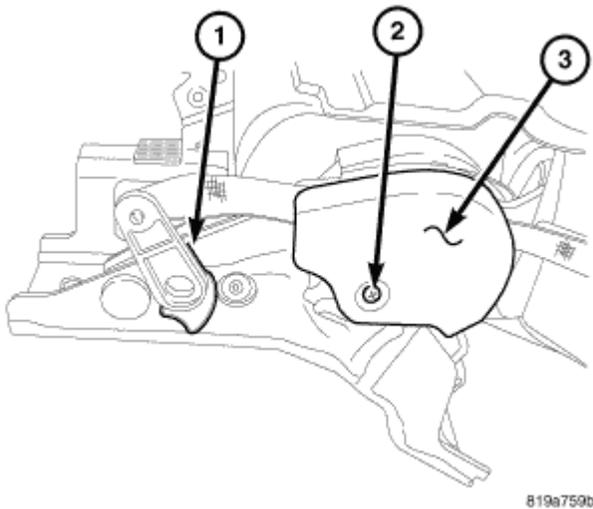


Fig. 505: 40 Seat Floor Bracket Trim
Courtesy of CHRYSLER LLC

NOTE: Mark the position of the recliner handle prior to removal. This will make sure that the recliner handle is in the proper position after installation.

1. Trace (1) an outline of the recliner handle. Remove screw (2) and the floor bracket trim (3) from the hinge.

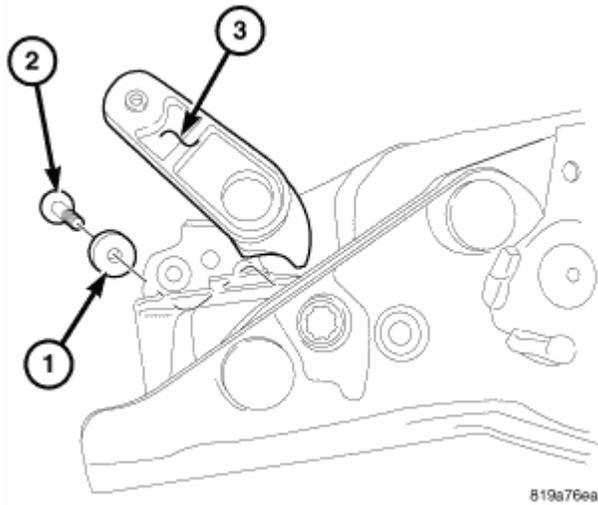


Fig. 506: 40 Seat Recliner Handle
Courtesy of CHRYSLER LLC

2. Remove the screw (2), washer (1) and recliner handle (3) from the floor bracket.

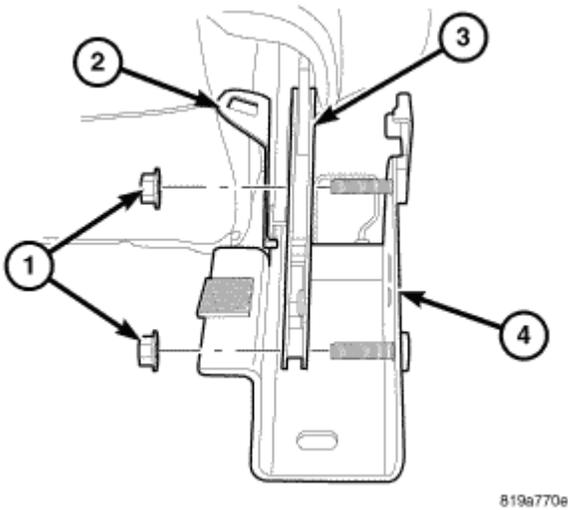
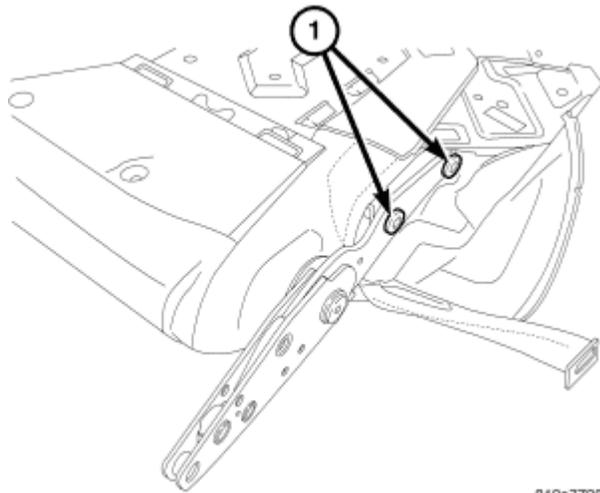


Fig. 507: 40 Seat Right Floor Bracket
Courtesy of CHRYSLER LLC

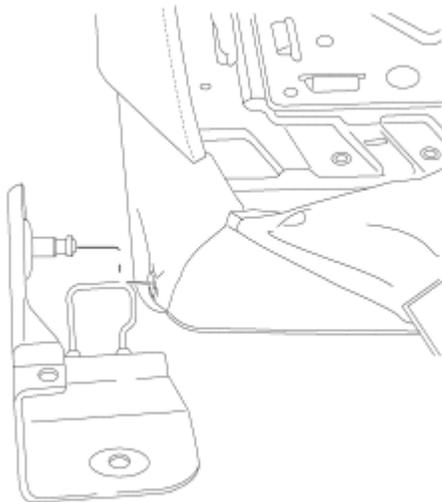
3. Remove the bracket nuts (1), trim attachment bracket (2) and bracket (4) from the hinge (3).



819a7728

Fig. 508: Right Hinge Bolts
Courtesy of CHRYSLER LLC

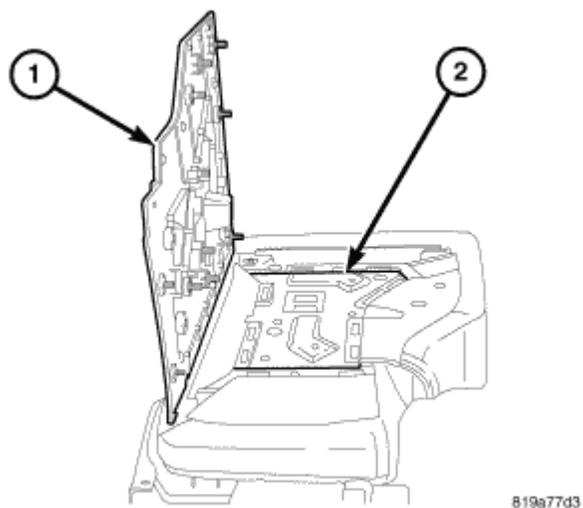
4. Remove the bolts (1) from the right hinge.



819a7790

Fig. 509: 40 Seat Left Floor Bracket
Courtesy of CHRYSLER LLC

5. Remove the left floor bracket from the seat frame.



819a77d3

Fig. 510: Seat Back Trim Panel & Seat Back Frame
Courtesy of CHRYSLER LLC

6. Remove the seat back trim panel (1) from the seat back frame (2).
7. Remove the hog ring attaching the seat back cushion to the seat frame.
8. Remove the seat cover clips from the seat back frame.

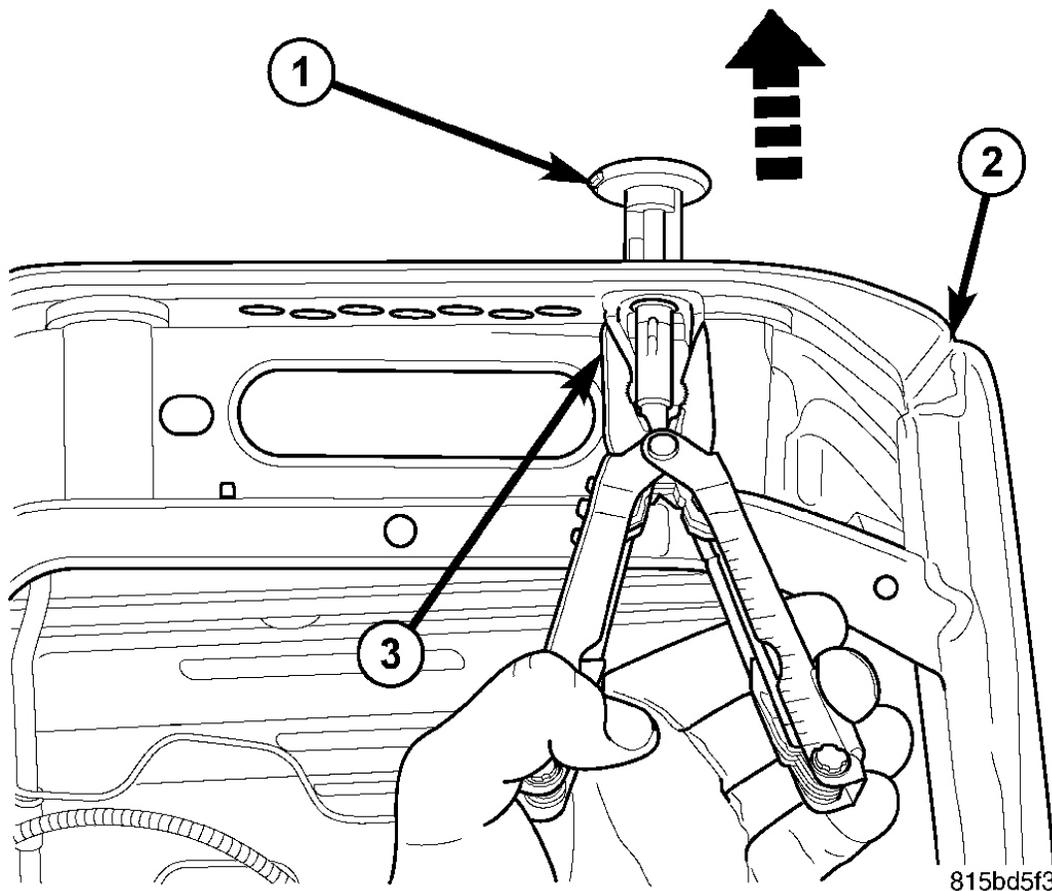
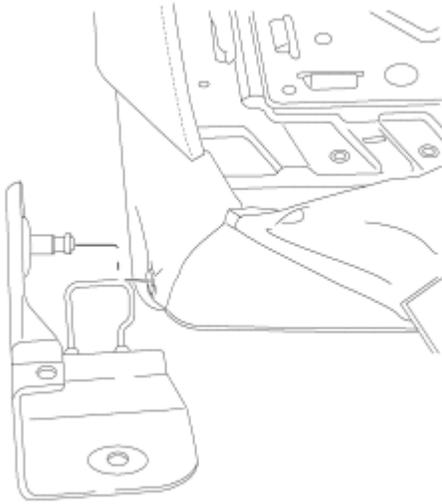


Fig. 511: Depressing Tabs On Head Rest Guide And Removing From Top Of Seat Cushion
Courtesy of CHRYSLER LLC

9. Depress the tabs (3) on the head rest guide (1) and remove from the top of the seat cushion (2).
10. Remove the cover and cushion from the seat back frame.
11. Position the seat cover to expose the hog rings and cut off all hog rings to separate the cover from the cushion.

ASSEMBLY

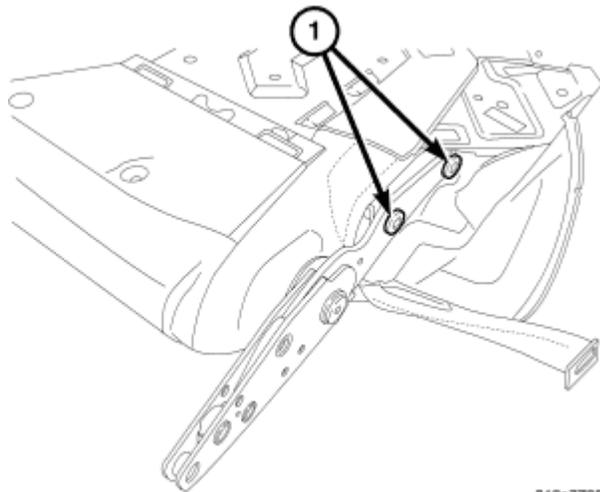
ASSEMBLY



819a7790

Fig. 512: 40 Seat Left Floor Bracket
Courtesy of CHRYSLER LLC

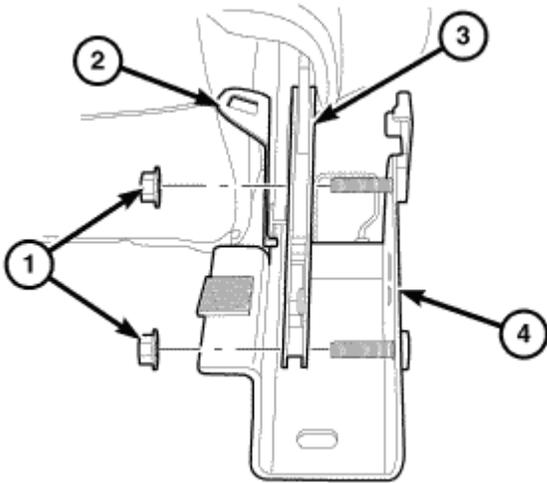
1. Install the seat back cover to the seat back cushion and install new hog rings.
2. Install the cover and cushion to the seat back frame, pull the seat cover tight around the cushion and seat frame.
3. Install the head rest guides to the top of the seat cushion.
4. Install the left floor bracket to the seat frame.



819a7728

Fig. 513: Right Hinge Bolts
Courtesy of CHRYSLER LLC

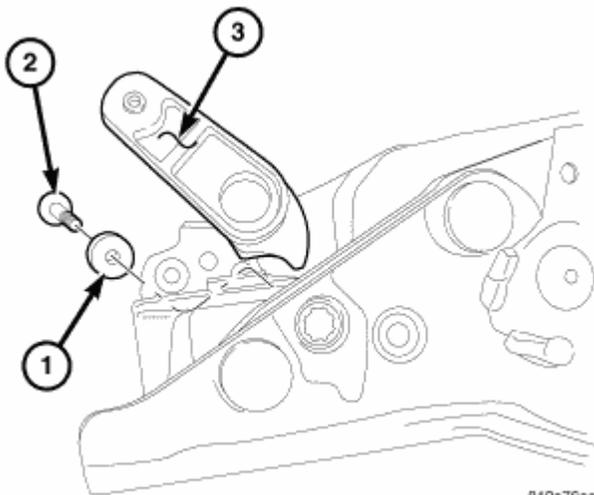
5. Install the right hinge and bolts (1) to the seat back frame and tighten to 47.5 N.m (35 ft. lbs.).



819a770e

Fig. 514: 40 Seat Right Floor Bracket
Courtesy of CHRYSLER LLC

6. Install the bracket (4), trim attachment bracket (2) and bracket nuts (1) to the hinge (3) and tighten to 47.5 N.m (35 ft. lbs.).



819a76ea

Fig. 515: 40 Seat Recliner Handle
Courtesy of CHRYSLER LLC

7. Install the recliner handle (3), washer (1) and screw to the floor bracket in the position noted during removal and tighten to 7 N.m (62 in. lbs.).

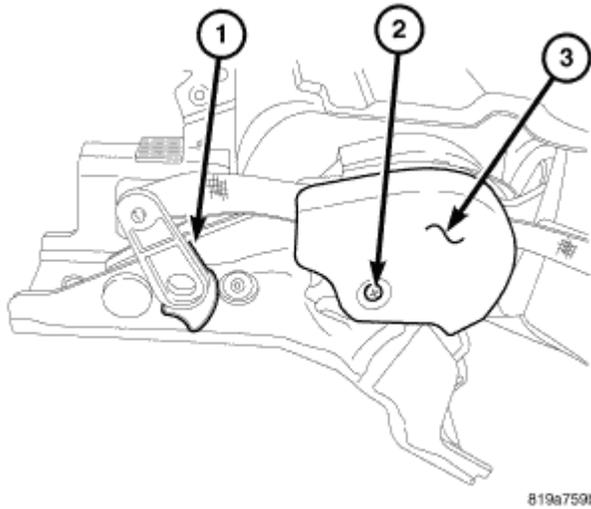


Fig. 516: 40 Seat Floor Bracket Trim
Courtesy of CHRYSLER LLC

8. Install the trim covering and screw to the floor bracket and tighten to 3 N.m (26.5 in. lbs.).
9. Install the plastic seat cover clips to the seat back frame.
10. Install the hog ring attaching the seat back cushion to the seat frame.

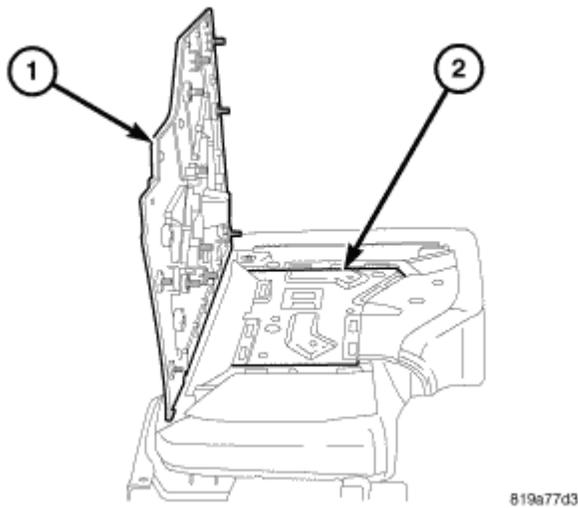


Fig. 517: Seat Back Trim Panel & Seat Back Frame
Courtesy of CHRYSLER LLC

NOTE: Replace any damaged clips as necessary. Failure to replace any missing or damaged clips could result in a noise complaint.

11. Install the seat back trim panel (1) to the seat back frame (2).

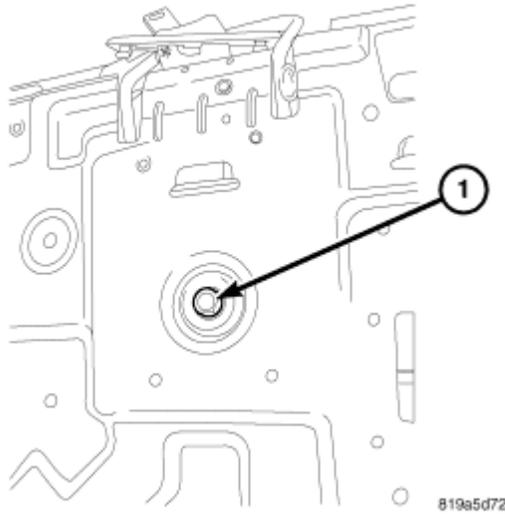


Fig. 518: 60 Seat Back Seat Belt Bolt
Courtesy of CHRYSLER LLC

1. Install the seat belt assembly and bolt to the seat back frame and tighten to 47.5 N.m (35 ft. lbs.).
2. Install the seat back cover to the seat back cushion and install new hog rings.
3. Feed the seat belt through the cushion and cover.
4. Install the cover and cushion to the seat back frame, pull the seat cover tight around the cushion and seat frame.

NOTE: Replace any head rest guide's damaged during removal.

5. Install the head rest guides to the top of the seat cushion.

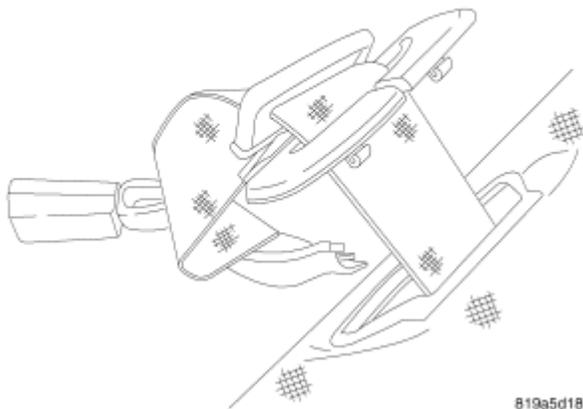
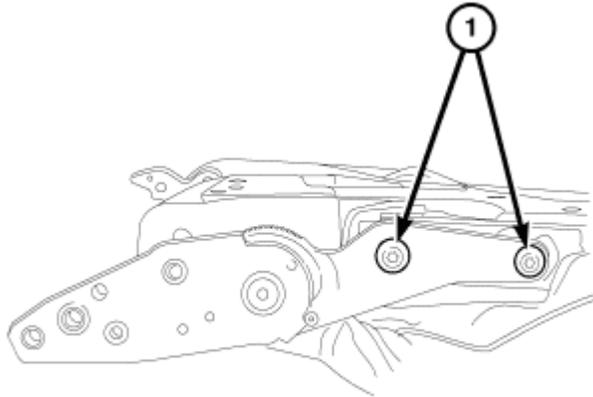


Fig. 519: 60 Seat Back Seat Belt Trim
Courtesy of CHRYSLER LLC

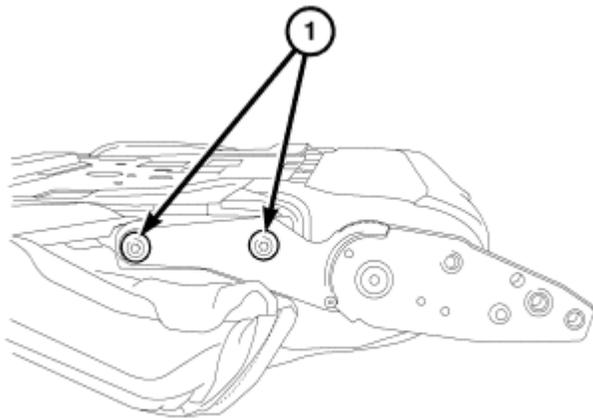
6. Install the seat belt trim to the top of the seat back cushion.



819a5c08

Fig. 520: Right Hinge Bolts
Courtesy of CHRYSLER LLC

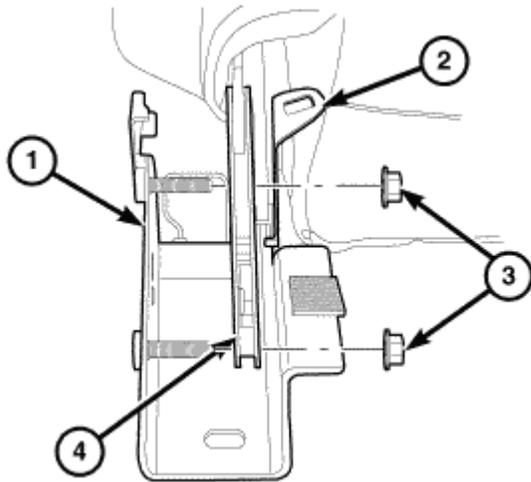
7. Install the right hinge and bolts (1) to the seat back frame and tighten to 47.5 N.m (35 ft. lbs.).



819a5bd0

Fig. 521: Left Hinge Bolts
Courtesy of CHRYSLER LLC

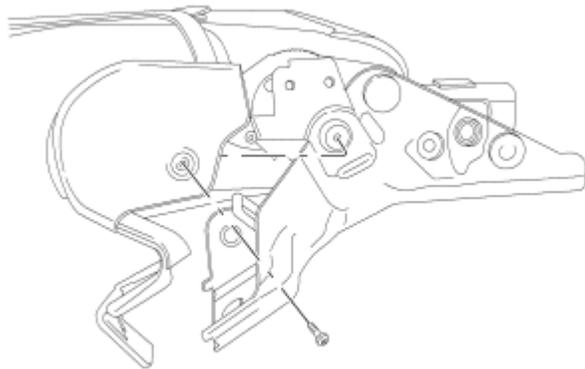
8. Install the left hinge and bolts (1) to the seat back frame and tighten to 47.5 N.m (35 ft. lbs.).



819a5ad9

Fig. 522: Bracket, Trim Attachment Bracket, Bracket Nuts & Hinge
Courtesy of CHRYSLER LLC

9. Install the bracket (1), trim attachment bracket (2) and bracket nuts (3) to the hinge (4) and tighten to 47.5 N.m (35 ft. lbs.).



819a5a9e

Fig. 523: Removing/Installing Screw And Trim Covering From Hinge
Courtesy of CHRYSLER LLC

10. Install the trim covering and screw to the floor bracket and tighten to 3 N.m (26.5 in. lbs.).
11. Install the plastic seat cover clips to the seat back frame.

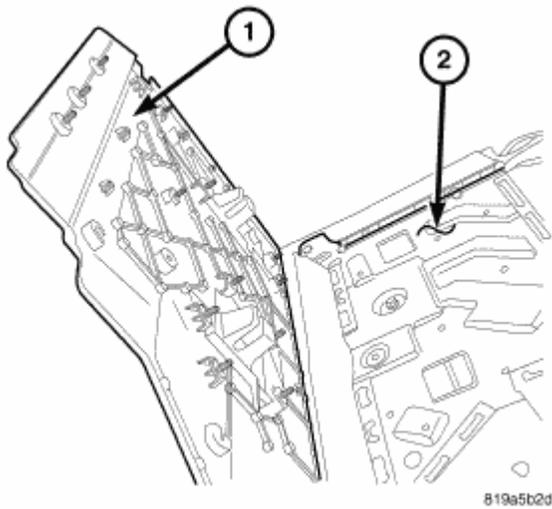


Fig. 524: Seat Back Trim Panel & Seat Back Frame
Courtesy of CHRYSLER LLC

12. Install the seat back trim panel (1) to the seat back frame (2).

INSTALLATION

SEAT BACK - REAR

60/40 Seat Back - 40

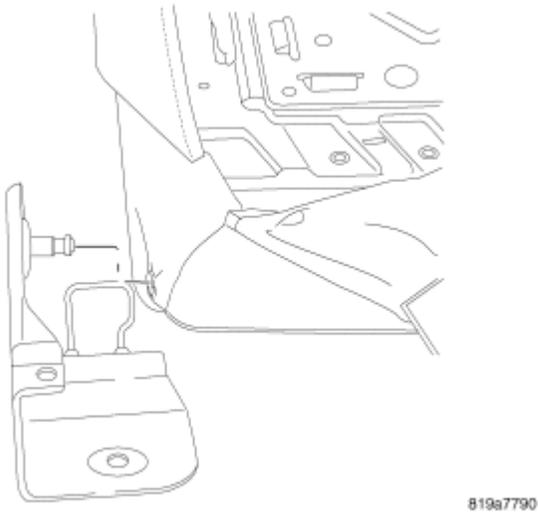
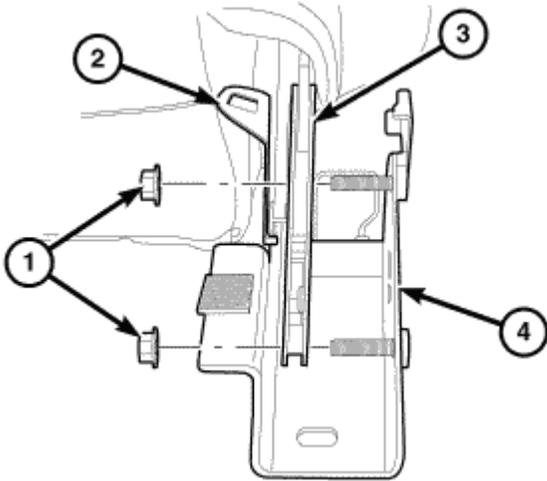


Fig. 525: 40 Seat Left Floor Bracket
Courtesy of CHRYSLER LLC

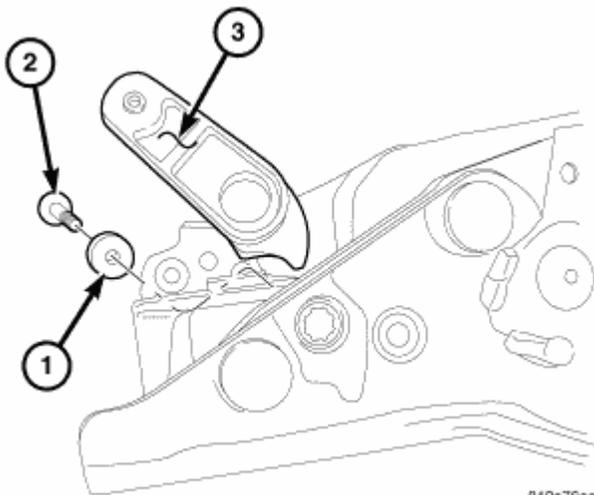
1. Install the left floor bracket to the seat frame.



819a770e

Fig. 526: 40 Seat Right Floor Bracket
Courtesy of CHRYSLER LLC

2. Install the bracket (4), trim attachment bracket (2) and bracket nuts (1) to the hinge (3) and tighten to 47.5 N.m (35 ft. lbs.).



819a76ea

Fig. 527: 40 Seat Recliner Handle
Courtesy of CHRYSLER LLC

3. Install the recliner handle (3), washer (1) and screw to the floor bracket in the position noted during removal and tighten to 7 N.m (62 in. lbs.).

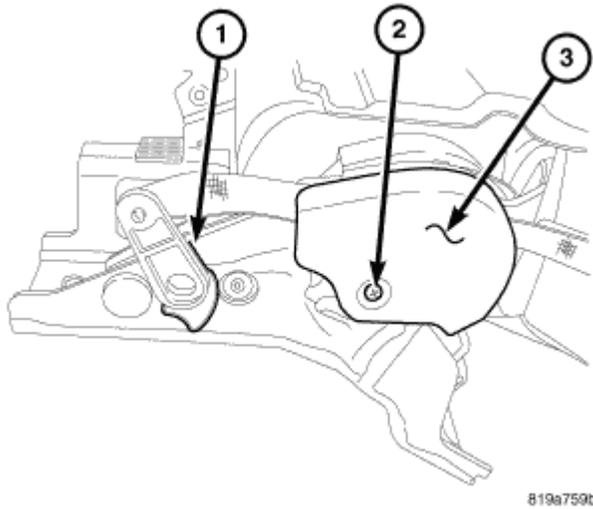


Fig. 528: 40 Seat Floor Bracket Trim
Courtesy of CHRYSLER LLC

4. Install the trim covering (3) and screw (2) to the floor bracket and tighten to 3 N.m (26.5 in. lbs.).

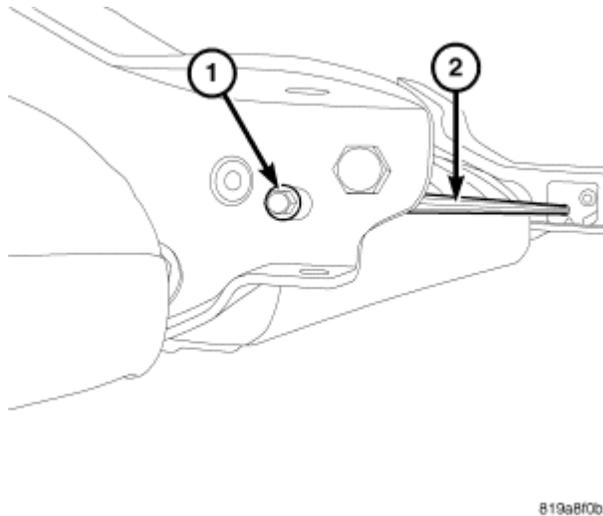
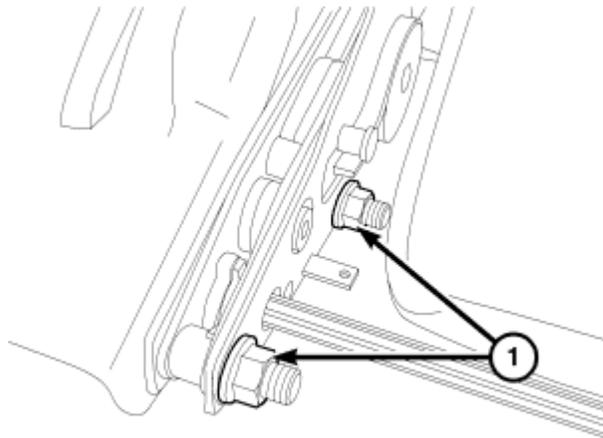


Fig. 529: Removing/Installing Recliner Rod Nut And Recliner Rod
Courtesy of CHRYSLER LLC

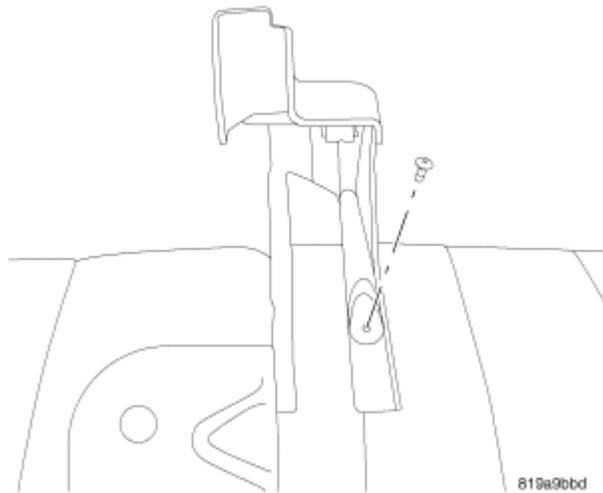
5. Install the spacer, recliner rod (2) and recliner rod nut (1) to the position noted during removal and tighten to 7 N.m (62 in. lbs.).
6. Remove the 40 seat back frame from the 60 seat back frame.



819a8f13

Fig. 530: Removing/Installing Nuts Attaching 40 60 Seat Back Frames
Courtesy of CHRYSLER LLC

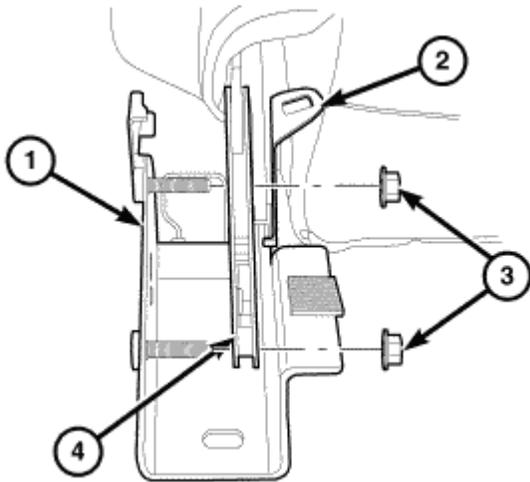
7. Install the 40 seat back frame to the 60 seat back frames and tighten to 47.5 N.m (35 ft. lbs.).



819a9bbd

Fig. 531: Removing/Installing 40/60 Seat
Courtesy of CHRYSLER LLC

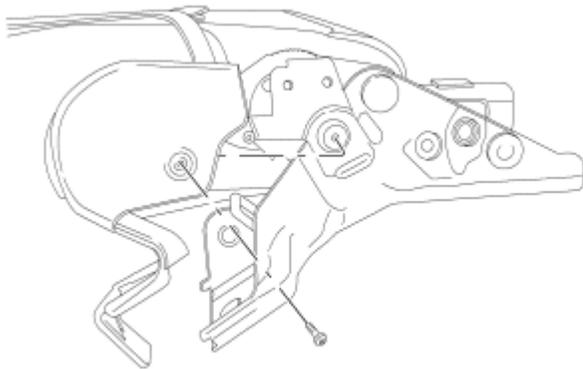
8. Install the trim covering and screw and tighten to 3 N.m (26.5 in. lbs.).
9. Install the 40 and 60 seat, see **INSTALLATION**.



819a5ad9

Fig. 532: Bracket, Trim Attachment Bracket, Bracket Nuts & Hinge
Courtesy of CHRYSLER LLC

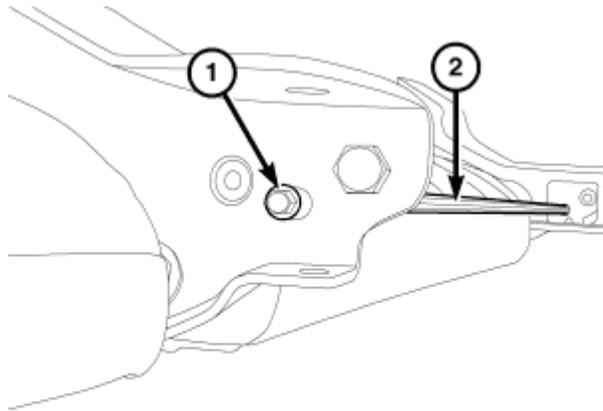
1. Install the bracket (1), trim attachment bracket (2) and bracket nuts (3) to the hinge (4) and tighten to 47.5 N.m (35 ft. lbs.).



819a5a9e

Fig. 533: Removing/Installing Screw And Trim Covering From Hinge
Courtesy of CHRYSLER LLC

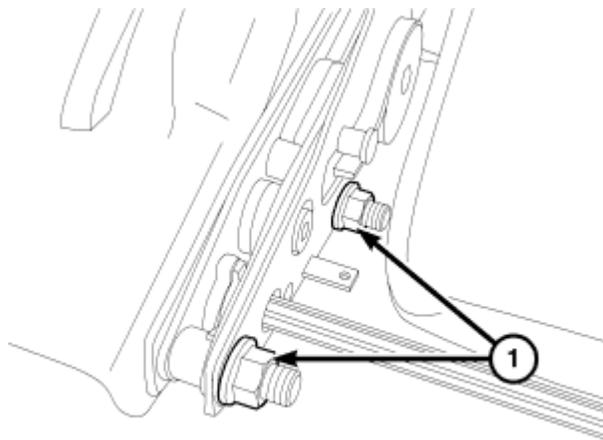
2. Install screw and trim covering to the hinge and tighten to 3 N.m (26.5 in. lbs.).



819a8f0b

Fig. 534: Removing/Installing Recliner Rod Nut And Recliner Rod
Courtesy of CHRYSLER LLC

3. Install the recliner rod (2), recliner rod nut (1) to the position noted during removal and tighten to 7 N.m (62 in. lbs.).



819a8f13

Fig. 535: Removing/Installing Nuts Attaching 40 60 Seat Back Frames
Courtesy of CHRYSLER LLC

4. Install the 40 seat back frame to the 60 seat back frames and tighten to 47.5 N.m (35 ft. lbs.).

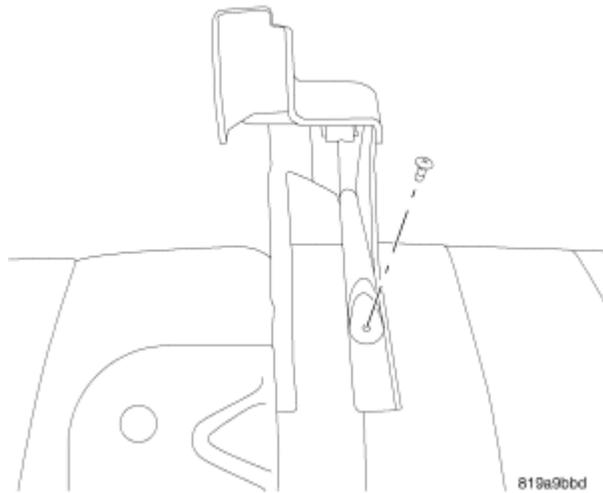


Fig. 536: Removing/Installing 40/60 Seat
Courtesy of CHRYSLER LLC

5. Install the trim covering and screw and tighten to 3 N.m (26.5 in. lbs.).
6. Install the 40 and 60 seat, see **INSTALLATION**.

SEAT CUSHION - REAR

REMOVAL

SEAT CUSHION - REAR

60/40 Split Seat - 40

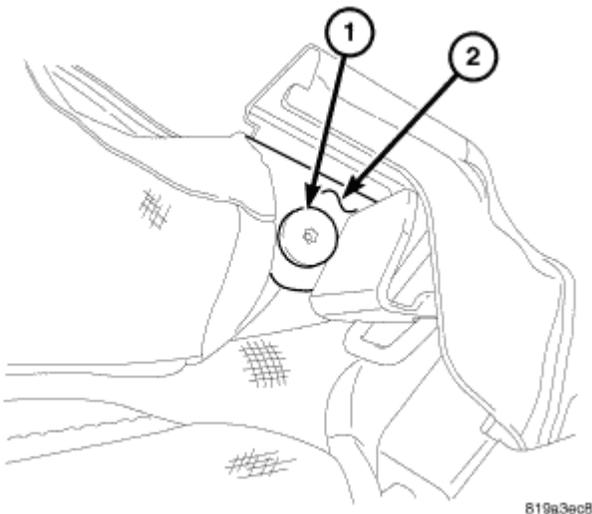


Fig. 537: Removing/Installing Seat Bolt From Floor Bracket
Courtesy of CHRYSLER LLC

CAUTION: Relieve the tension on the cable by positioning the seat correctly. Failure

to relieve tension will result in damage to the cable.

1. Remove the 60/40 rear seat from the vehicle and place on a clean work bench, see **REMOVAL**.
2. Remove the seat bolt (1) from the floor bracket (2).
3. Disconnect the cable.
4. Remove the front bracket to the cushion bolts to separate the forward legs to the cushion.
5. Disconnect the cable housing.

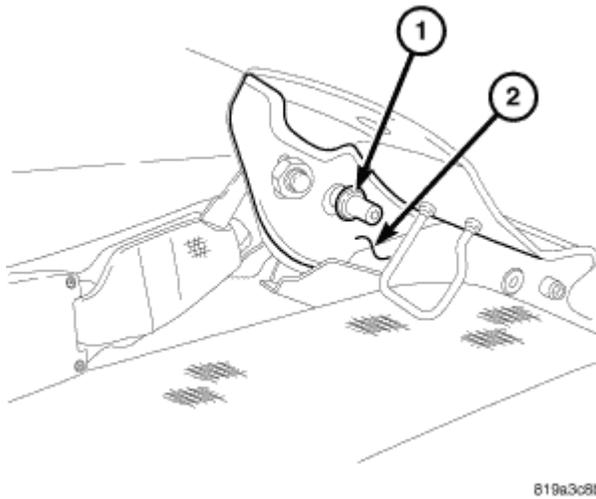


Fig. 538: 40 Seat Pivot Bolt
Courtesy of CHRYSLER LLC

6. Remove the seat assembly from the pivot bolt (1) on the floor bracket (2).

60/40 Split Seat - 60

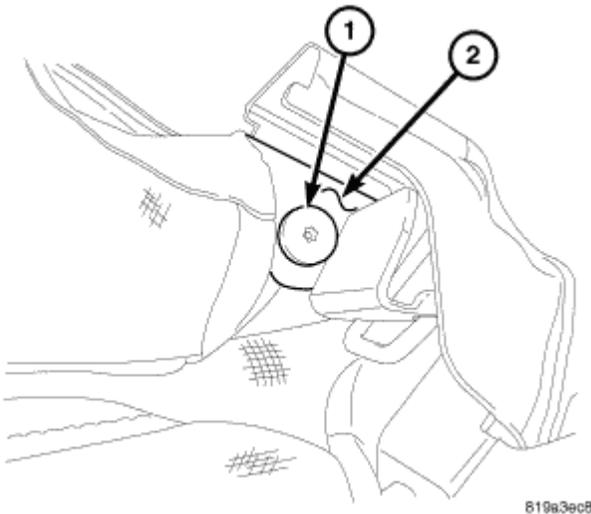
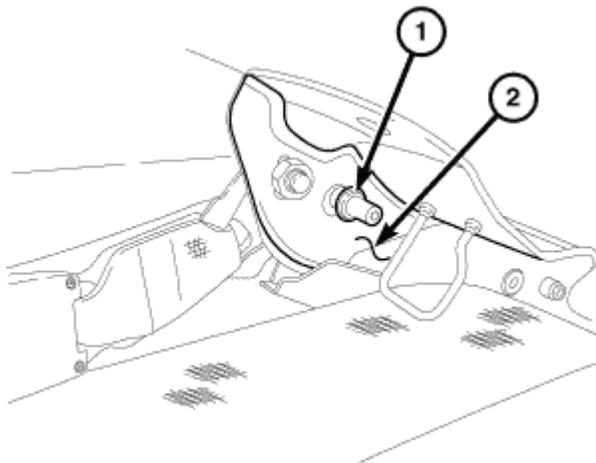


Fig. 539: Removing/Installing Seat Bolt From Floor Bracket
Courtesy of CHRYSLER LLC

CAUTION: Relieve the tension on the cable by positioning the seat correctly. Failure to relieve tension will result in damage to the cable.

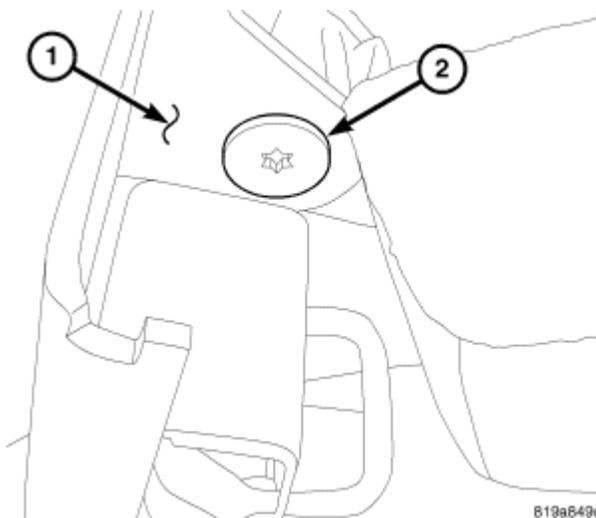
1. Remove the seat bolt (1) from the floor bracket (2) on the right side of the 40 seat.
2. Disconnect the cable.
3. Remove the 40 seat from the pivot bolt.



819a3c8b

Fig. 540: 40 Seat Pivot Bolt
Courtesy of CHRYSLER LLC

4. Remove the pivot bolt (1) from the floor bracket (2).
5. Disconnect the cable.



819a649c

Fig. 541: 60 Seat Bolt
Courtesy of CHRYSLER LLC

6. Remove the seat bolt (2) from the floor bracket (1) on the left side of the 60 seat.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

7. Remove the 60 seat from the seat back frame.

DISASSEMBLY

DISASSEMBLY

60/40 Split Seat - 40

1. Remove the 40 seat cushion section from the rear seat assembly, see **REMOVAL**.
2. Remove the seat cover plastic retaining clips from the seat frame.
3. Remove the cover and cushion together from the seat frame.
4. Fold the seat cover back to expose the hog rings, cut and remove all hog rings.
5. Remove the seat cover from the seat cushion.

60/40 Split Seat - 60

1. Remove the 60 seat cushion section from the rear seat assembly, see **REMOVAL**.
2. Remove the seat cover plastic retaining clips from the seat frame.
3. Remove the cover and cushion together from the seat frame.
4. Fold the seat cover back to expose the hog rings, cut and remove all hog rings.
5. Remove the seat cover from the seat cushion.

ASSEMBLY

ASSEMBLY

60/40 Seat - 60

1. Install the seat cover to the seat cushion.
2. Fold the seat cover back to access the hog ring locations and install new hog rings to the seat cushion and cover.
3. Install the cover and cushion together to the seat frame.
4. Install the seat cover plastic retaining clips to the seat frame.
5. Install the 60 seat cushion section to the rear seat assembly, see **INSTALLATION**.

60/40 Seat - 40

1. Install the seat cover to the seat cushion.
2. Fold the seat cover back to access the hog ring locations and install new hog rings to the seat cushion and cover.
3. Install the cover and cushion together to the seat frame.
4. Install the seat cover plastic retaining clips to the seat frame.
5. Install the 40 seat cushion section to the rear seat assembly, see **INSTALLATION**.

INSTALLATION

SEAT CUSHION - REAR

60/40 Split Seat - 60

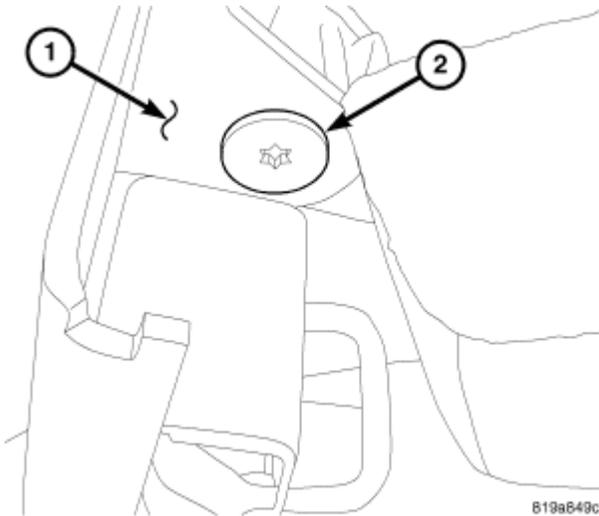


Fig. 542: 60 Seat Bolt
Courtesy of CHRYSLER LLC

1. Position the 60 seat to the seat back frame.
2. Install the seat bolt (2) to the floor bracket (1) and seat frame on the left side of the 60 seat and tighten to 27.5 N.m (20 ft. lbs.).

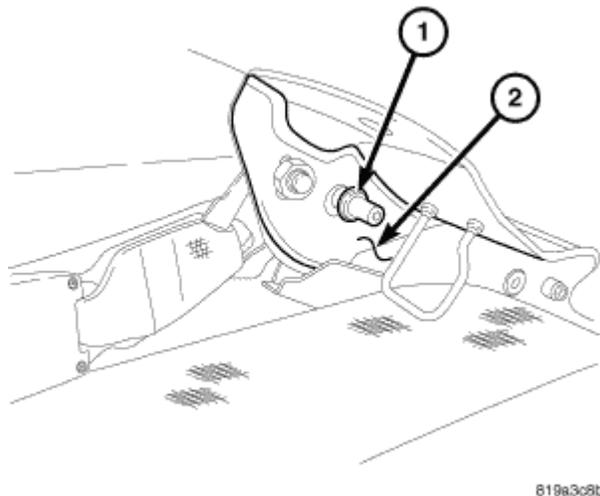


Fig. 543: 40 Seat Pivot Bolt
Courtesy of CHRYSLER LLC

3. Install the 60 seat pivot bolt (1) to the floor bracket (2) and seat frame and tighten to 27.5 N.m (20 ft. lbs.).

4. Attach the cable to the seat back frame and to the seat riser.
5. Install the 40 seat onto the pivot bolt.

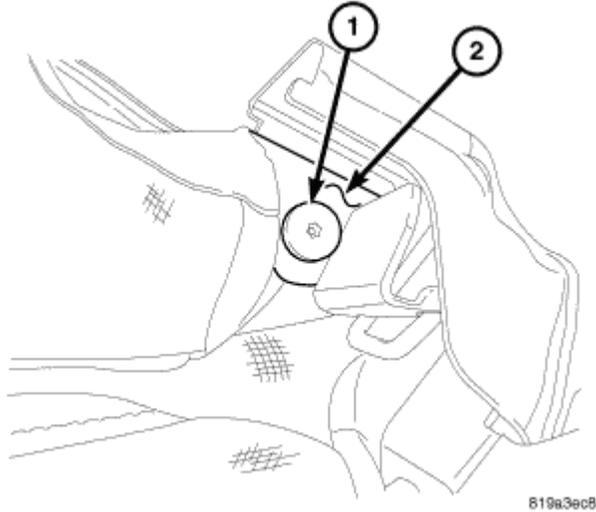


Fig. 544: Removing/Installing Seat Bolt From Floor Bracket
Courtesy of CHRYSLER LLC

6. Install the seat bolt (1) to the floor bracket (2) on the right side of the 40 seat and tighten to 27.5 N.m (20 ft. lbs.).
7. Attach the cable to the seat back frame and to the seat riser.

60/40 Split Seat - 40

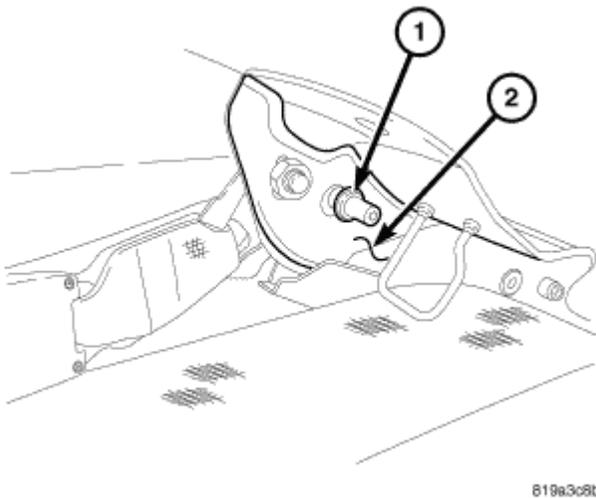
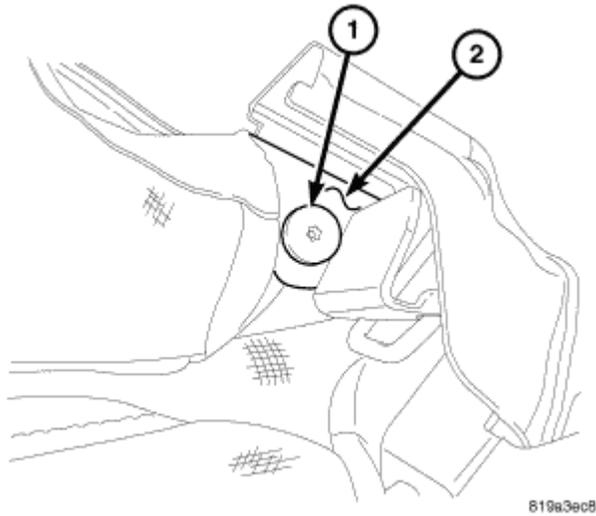


Fig. 545: 40 Seat Pivot Bolt
Courtesy of CHRYSLER LLC

1. Install the seat pivot bolt (1) to the floor bracket (2) and tighten to 27.5 N.m (20 ft. lbs.).
2. Install the seat onto the pivot bolt.



819a3ec8

Fig. 546: Removing/Installing Seat Bolt From Floor Bracket
Courtesy of CHRYSLER LLC

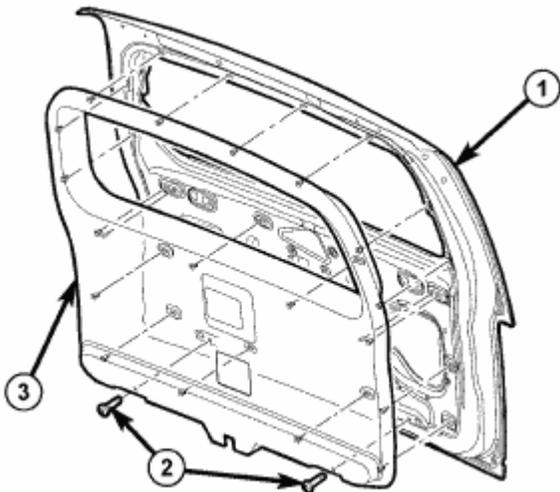
3. Install the seat bolt (1) to the floor bracket (2) on the right side of the 40 seat and tighten to 27.5 N.m (20 ft. lbs.).
4. Attach the cable to the seat back frame and to the seat riser.

STATIONARY GLASS

GLASS - LIFT GATE

REMOVAL

GLASS - LIFT GATE



8195aff8

Fig. 547: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

1. Remove two bolts (2) from the lower trim panel (3).
2. Using a trim stick C-4755 or equivalent, release the fasteners at all of the locations around the trim panel (3).
3. Lift the trim panel (3) from the lift gate (1).

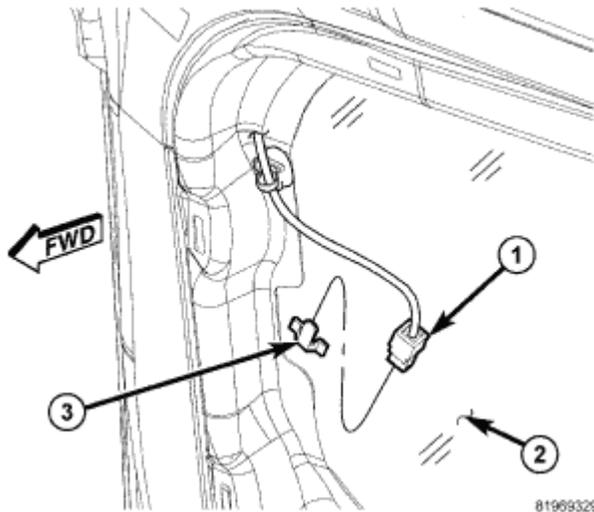


Fig. 548: Disconnecting/Connecting Electrical Connector, Lift Gate Glass & Heated Glass Tab
 Courtesy of CHRYSLER LLC

4. Disconnect the electrical connector (1) from the (3) on the lift gate glass (2).

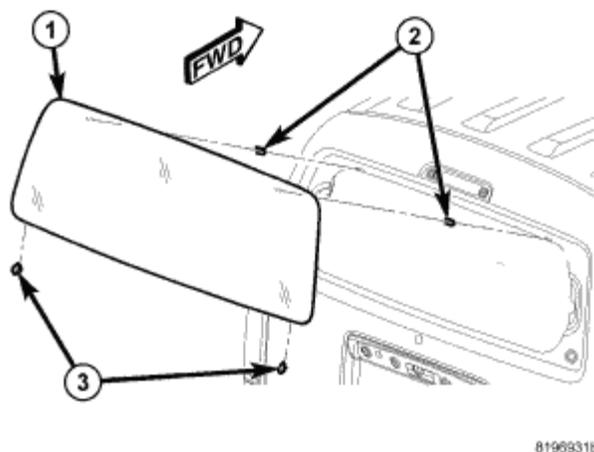
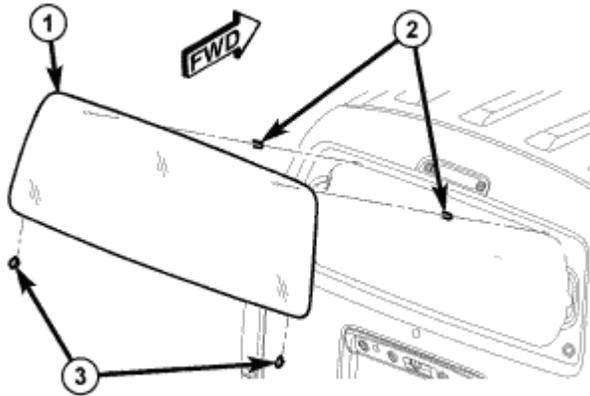


Fig. 549: Lift Gate Glass, Adhesive Backed Spacers & Spacers
 Courtesy of CHRYSLER LLC

5. Cut urethane bonding from around quarter glass (1) using a suitable sharp cold knife. A pneumatic cutting device can be used if available.
6. Remove glass from vehicle.

INSTALLATION

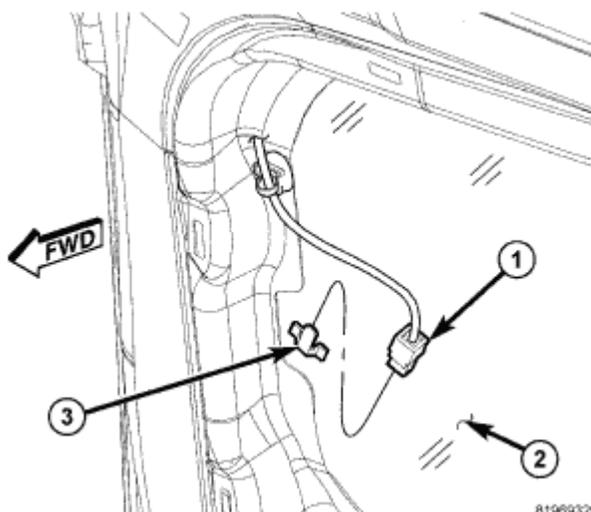
GLASS - LIFT GATE



8196931b

Fig. 550: Lift Gate Glass, Adhesive Backed Spacers & Spacers
 Courtesy of CHRYSLER LLC

1. Clean inside of glass with Mopar® Glass Cleaner and lint-free cloth.
2. Apply PVC (vinyl) primer 25 mm (1 in.) wide around edge of glass. Wipe with clean/dry lint-free cloth.
3. Apply fence primer around edge of fence. Allow at least eighteen minutes drying time.
4. Apply a 10 mm (0.4 in.) bead of urethane around window vinyl border location.
5. Install the adhesive backed spacers (2) to the upper part of the lift gate glass (1).
6. Install the spacers (3) to the lower part of the lift gate glass (1).
7. Position lift gate glass (1) into window opening and lock clips into place.



81969329

Fig. 551: Disconnecting/Connecting Electrical Connector, Lift Gate Glass & Heated Glass Tab
 Courtesy of CHRYSLER LLC

8. Connect the electrical connector (1) to the heated glass tab (3) on the lift gate glass (2).

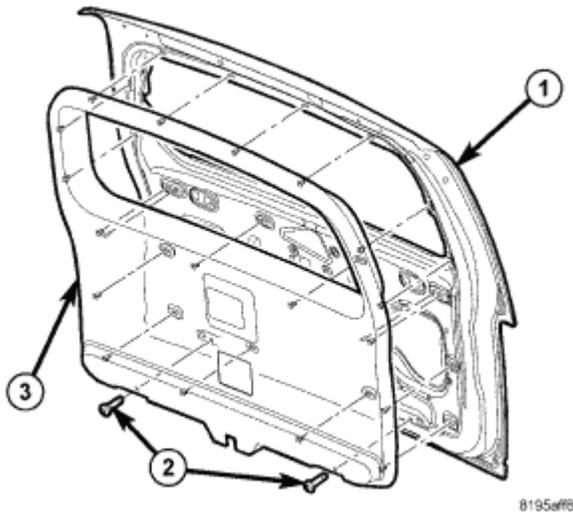


Fig. 552: Liftgate Trim Panel
Courtesy of CHRYSLER LLC

9. Align and install the trim panel (3) to the lift gate (1), use hand pressure to seat all of the fasteners around the trim panel (3).
10. Install the two bolts (2) to the lower trim panel (3).
11. After urethane has cured, water test lift gate glass to verify repair.

GLASS - QUARTER WINDOW

REMOVAL

GLASS - QUARTER WINDOW

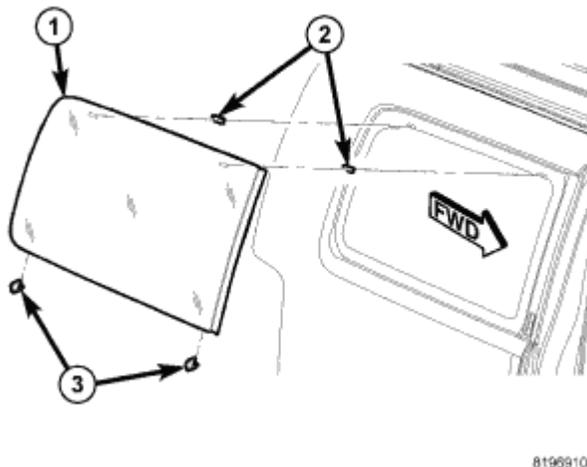
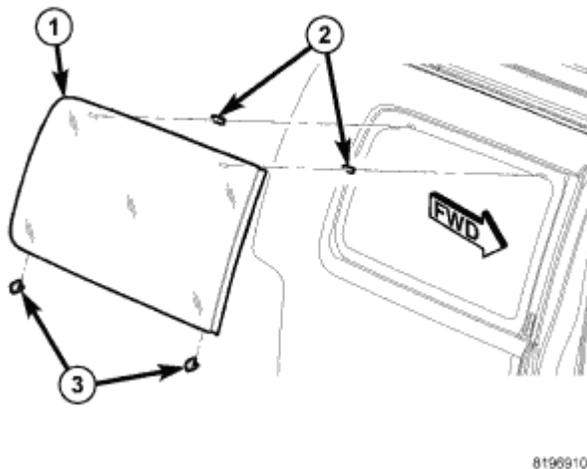


Fig. 553: Quarter Glass, Adhesive Backed Spacers & Spacers
Courtesy of CHRYSLER LLC

1. Remove the quarter trim panel as necessary to gain access to the glass seal from the inside, see **REMOVAL**.
2. Cut urethane bonding from around quarter glass (1) using a suitable sharp cold knife. A pneumatic cutting device can be used if available.
3. Remove glass from vehicle.

INSTALLATION

GLASS - QUARTER WINDOW



8199910d

Fig. 554: Quarter Glass, Adhesive Backed Spacers & Spacers
Courtesy of CHRYSLER LLC

CAUTION: Open a window before installing glass. This will avoid pressurizing the passenger compartment. If a door or swing gate flip-up glass is slammed before urethane is cured, water leaks can result.

The quarter glass fence should be cleaned of old urethane bonding material. Support spacers should be cleaned and properly installed onto the quarter glass.

1. Clean inside of glass with Mopar® Glass Cleaner and lint-free cloth.
2. Apply PVC (vinyl) primer 25 mm (1 in.) wide around edge of glass. Wipe with clean/dry lint-free cloth.
3. Apply fence primer around edge of fence. Allow at least eighteen minutes drying time.
4. Apply a 10 mm (0.4 in.) bead of urethane around window vinyl border location.
5. Install the adhesive backed spacers (2) to the upper part of the quarter glass (1).
6. Install the spacers (3) to the lower part of the quarter glass (1).
7. Position quarter glass (1) into window opening and lock clips into place.
8. Install the quarter trim panel if removed, see **REMOVAL**.
9. After urethane has cured, water test quarter glass to verify repair.

GLASS - WINDSHIELD

WARNING

WINDSHIELD 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 pinch weld (fence) primer provided by the adhesive manufacturer. If not, structural integrity could be compromised.

DaimlerChrysler does not recommend glass adhesive by brand. Technicians should review product labels and technical data sheets, and use only adhesives that their manufacturers warrant 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.

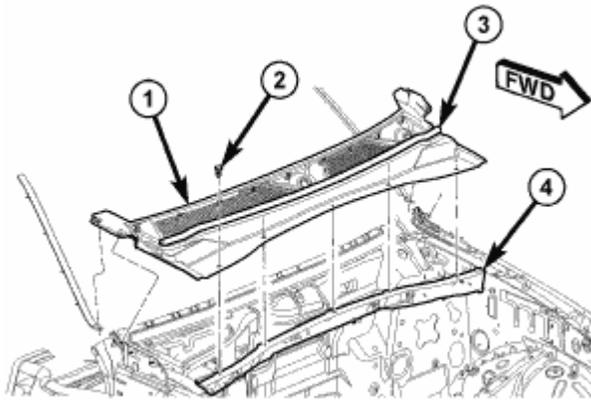
CAUTION: Protect all painted and trimmed surfaces from coming in contact with urethane or primers.

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

REMOVAL

GLASS - WINDSHIELD

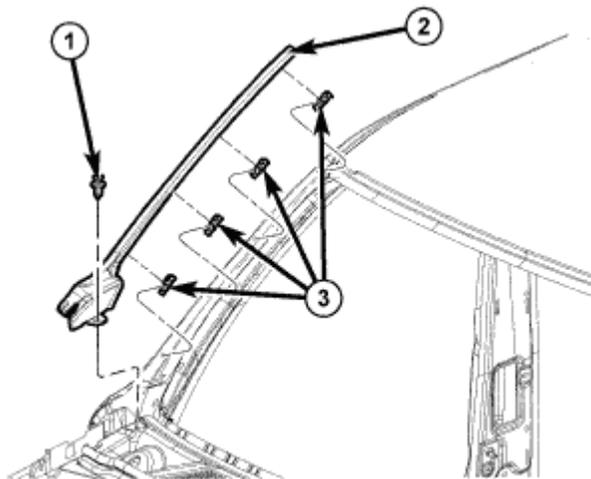
1. Before proceeding with the following repair procedure, review all warnings and cautions. See **WARNING**.
2. Remove inside rear view mirror, see **REMOVAL**.
3. Remove the wiper arms, refer to **REMOVAL**.



8194db06

Fig. 555: Cowl Grille, Push Pins, Hood Seal & Body
Courtesy of CHRYSLER LLC

4. Remove the hood seal (3).
5. Use a trim stick C-4755 or equivalent, separate the cover assembly from the a-pillar.
6. Remove the four push pins (2) and remove the cowl grille (1) from the body (4).



8195aa09

Fig. 556: Push Pin, Windshield A-Pillar Molding & Clips
Courtesy of CHRYSLER LLC

7. Using a trim stick C-4755 or equivalent, remove the push pin (1).
8. Remove the windshield A-pillar molding (2) and clips (3) from the windshield A-pillar.

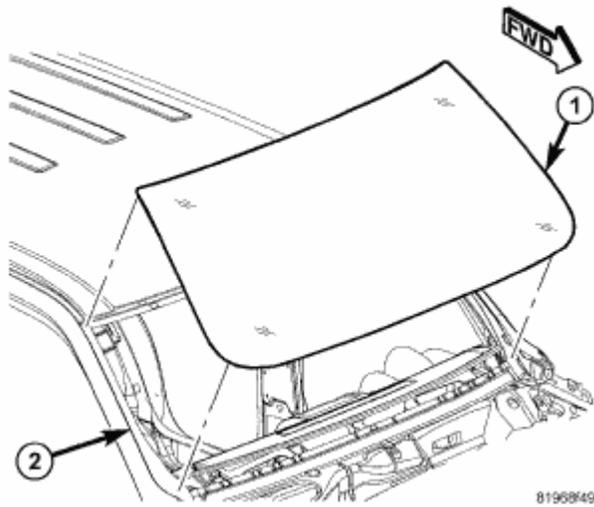


Fig. 557: Removing/Installing Windshield
Courtesy of CHRYSLER LLC

9. Cut urethane bonding from around windshield using a suitable sharp cold knife. A pneumatic cutting device can be used if available.
10. Remove windshield from vehicle.

INSTALLATION

GLASS - WINDSHIELD

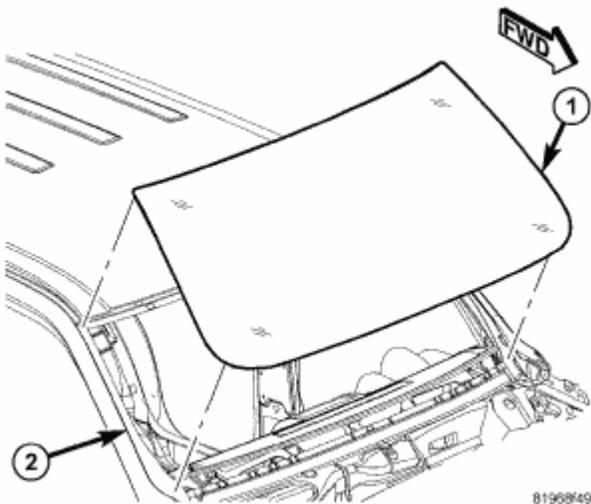


Fig. 558: Removing/Installing Windshield
Courtesy of CHRYSLER LLC

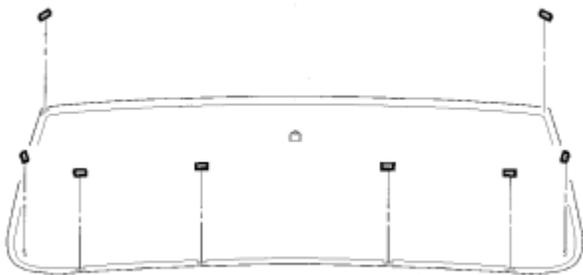
WARNING: Review all warnings and cautions in this group before preceding with installation.

CAUTION: Open a window before installing windshield. This will avoid pressurizing the passenger compartment. If a door or swing gate flip-up glass is slammed before urethane is cured, water leaks can result.

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

The windshield fence should be cleaned of old urethane bonding material. 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. Position glass in the center of the opening against the support spacers. Mark the glass at the support spacers with a grease pencil or masking tape and ink pen to use as a reference for installation. Remove replacement windshield from windshield opening.

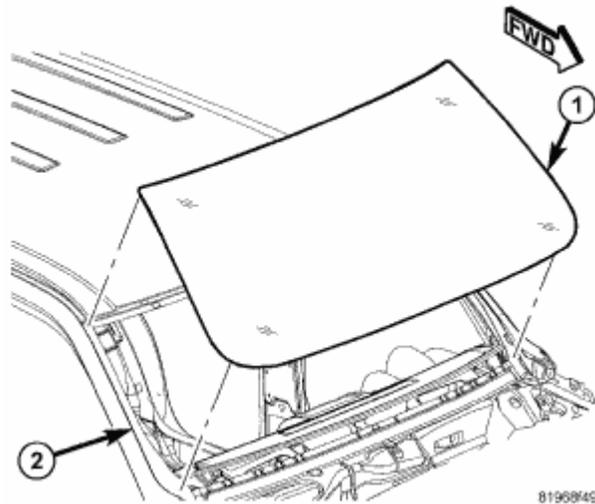


81968F52

Fig. 559: Windshield Spacers
Courtesy of CHRYSLER LLC

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.
3. Clean inside of windshield with Mopar® Glass Cleaner and lint-free cloth.
4. Apply clear glass primer 25 mm (1 in.) wide around edge of windshield. Wipe with clean/dry lint-free cloth.
5. Apply black-out primer 15 mm (.75 in.) wide on top and sides of windshield and 25 mm (1 in.) on bottom of windshield. Allow at least three minutes drying time.
6. Position adhesive backed spacers at the edge of the windshield opening.
7. Align the dot on the upper molding to the tick mark in the center of the glass and install upper molding onto windshield.
8. Apply a 10 mm (0.4 in.) bead of urethane around perimeter of windshield along the inside of the moldings. Apply two beads along the bottom edge.
9. Apply fence primer around the perimeter of the windshield opening fence. Allow at least 18 minutes

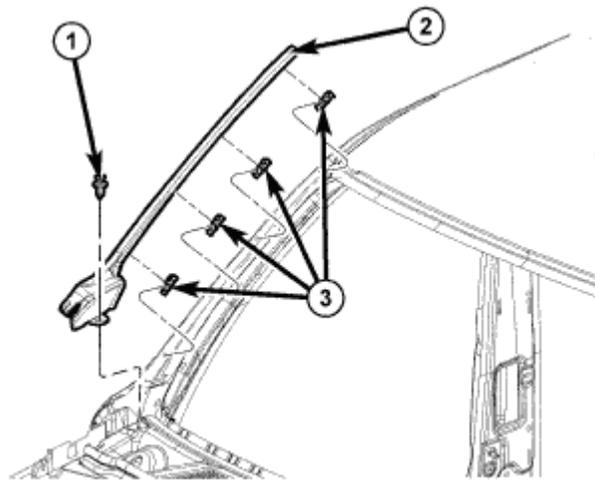
drying time.



8196849

Fig. 560: Removing/Installing Windshield
Courtesy of CHRYSLER LLC

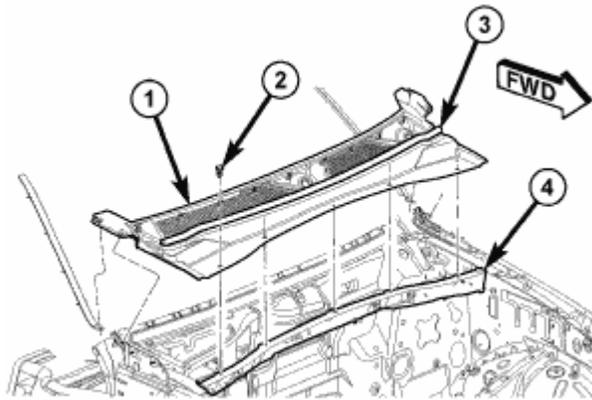
10. With aid of a helper, position windshield over windshield opening. Align reference marks at bottom of windshield to support spacers.
11. Slowly lower windshield glass to windshield opening fence. Guide top molding into proper position if necessary. Push windshield inward to fence spacers at bottom and until top molding is flush to roof line.
12. Clean excess urethane from exterior with Mopar® Super Clean or equivalent.



8195aa09

Fig. 561: Push Pin, Windshield A-Pillar Molding & Clips
Courtesy of CHRYSLER LLC

13. Install the windshield A-pillar molding (2) and clips (3) to the windshield A-pillar.
14. Install the push pin (1).



6194dc06

Fig. 562: Cowl Grille, Push Pins, Hood Seal & Body
 Courtesy of CHRYSLER LLC

15. Position the cowl grille (1) and engage the clips to the bottom of the windshield.
16. Install the four push pins (2) through the cowl grille (1) and into the body (4).
17. Install the hood seal (3).
18. Install the wiper arms, refer to **INSTALLATION** .
19. Install inside rear view mirror, see **INSTALLATION**.
20. After urethane has cured, water test windshield to verify repair.

SUNROOF

DESCRIPTION

SUNROOF

WARNING: Keep fingers and other body parts out of sunroof opening at all times.

The sunroof features a power sliding glass panel and a sunshade which can be manually positioned anywhere along its travel, rearward of glass panel front edge.

The sunroof is electrically operated from two switches located on the windshield header, rearward of the map lamp. To operate the sunroof the ignition switch must be in either the Accessory or On/Run position. One switch (vent) is a push button type and opens the sunroof to the vent position only. The other switch (open/close) is a rocker type for opening and closing the sunroof. Pressing and releasing the open button once the sunroof will express open and the wind deflector will raise. If the button is pressed a second time the sunroof will stop in that position. Pressing and releasing the button while the sunroof is in the open position will cause the sunroof to express close and the wind deflector will lower. If the button is pressed a second time the sunroof will stop in that position.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

SUNROOF OPERATION INSTRUCTIONS

SWITCH INPUTS			
-	OPEN	CLOSE	VENT
FULL VENT	Push and hold switch until glass stops in flush closed position, the glass will then express open Press the switch for less than 0.65 seconds for express to full open	Push and hold switch until glass stops in flush closed position. Press the switch for less than 0.65 seconds for express to full closed	No action
VENT RANGE	Push and hold switch until glass passes through flush closed position. Glass will then open	Push and hold switch until glass stops in flush closed position.	Push and hold switch until glass stops in full vent position.
FLUSH	Press switch for less than 0.65 seconds for express to full open. Press switch for more than 0.65 seconds and glass will stop when switch is released	No action	Press and hold switch. Glass will travel through flush closed to full vent. Glass will stop when switch is released or when fully vented. Press switch for less than 0.65 seconds for express to full vent
FULL OPEN	No action	Press and hold switch until glass stops in flush closed position or anywhere in between. Press switch for less than 0.65 seconds for express to flush closed	Press and hold switch. Glass will travel through flush closed to full vent. Glass will stop when switch is released. Press switch for less than 0.65 seconds for express to full vent

DIAGNOSIS AND TESTING

SUNROOF

Before beginning sunroof diagnostics verify that all other power accessories are in proper operating condition. For electrical diagnostic information follow the chart "Sunroof Diagnosis Chart". Refer to **DIAGNOSIS AND TESTING** . Also refer to Wiring Diagrams, in this publication for circuit, splice and component descriptions.

Before beginning diagnosis for wind noise or water leaks, verify that the sunroof is in a fully closed position. A common problem is the sunroof is left in an open position, this can be caused by releasing the control switch before the sunroof was fully closed. The sunroof module is equipped with a water-management system. If however, the sunroof glass is in a partial closed position, high pressure water may be forced beyond the water management system boundaries and onto the headlining.

MECHANICAL SUNROOF DIAGNOSIS

--	--

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

SYMPTOM	POSSIBLE CAUSE
Sunroof water leak.	Drain tubes clogged or kinked or disconnected from the sunroof. Glass panel improperly adjusted. Faulty glass panel seal.
Gurgling sound from sunroof.	Low spot in drain hose routing, allowing water to stand.
Wind noise from sunroof.	Front of glass panel too high or rear too low. Wind deflector not deploying. Glass not centered in opening. Faulty glass panel seal.
Rattles from open sunroof while driving.	Loose or broken attaching hardware. Worn or broken mechanism.
Sunroof does not stop in the fully closed position.	Drive motor has lost position of glass, teach procedure required to reprogram drive motor. Refer to sunroof drive motor teach procedure.

WATER DRAINAGE AND WIND NOISE DIAGNOSIS

Adequate drainage is provided by a drain trough in the sunroof housing which encircles the sliding glass panel and leads to drain hoses. If a wet headliner or other water leak complaints are encountered, before performing any adjustments, first ensure that the drainage system is not plugged or disconnected. Use a pint container to pour water into the sunroof housing drain trough. If water flow is restricted, use compressed air to blow out any material plugging the drain system. Retest system again.

To further check for a disconnected drain hose:

1. Lower headliner as necessary to gain access to sunroof housing drain tubes. See **REMOVAL**.
2. Repair as necessary.
3. Install headliner. See **INSTALLATION**.

The sliding glass panel is designed to seal water entry with a snug fit between the roof and the seal. The fit can be checked by inserting a piece of paper between the roof and the seal. The piece of paper should have some resistance when pulled out when the glass panel is in the closed position. The sunroof housing will drain off a minimum amount of water. Excessive wind noise could result if the gap clearances are exceeded. The sunroof glass panel may need to be adjusted. See **ADJUSTMENTS** for proper procedures.

DEFLECTOR - SUNROOF WIND

REMOVAL

DEFLECTOR - SUNROOF WIND

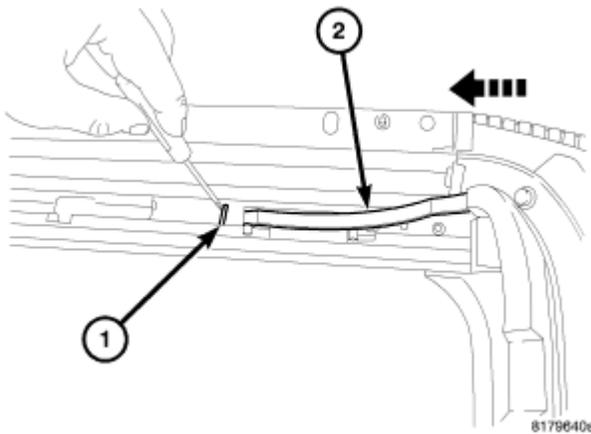


Fig. 563: Pressing Spring Lock With Small Flat Bladed Tool And Pushing Wind Deflector Reward To Release From Car Top Opening

Courtesy of CHRYSLER LLC

1. Open the sunroof glass to the full open position.
2. Press the spring lock (1) with a small flat bladed tool and push the wind deflector (2) reward to release from the car top opening.
3. Repeat the previous step on the opposite side.

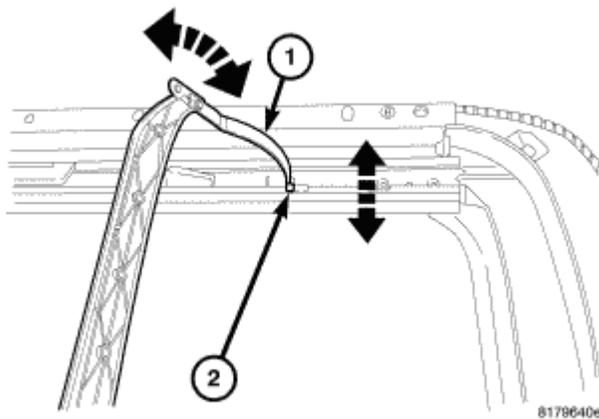


Fig. 564: Rotating Wind Deflector Up And Release From Mounting Hole In Sunroof Frame

Courtesy of CHRYSLER LLC

4. Rotate the wind deflector (1) up and release from the mounting hole (2) in the sunroof frame.

INSTALLATION

DEFLECTOR - SUNROOF WIND

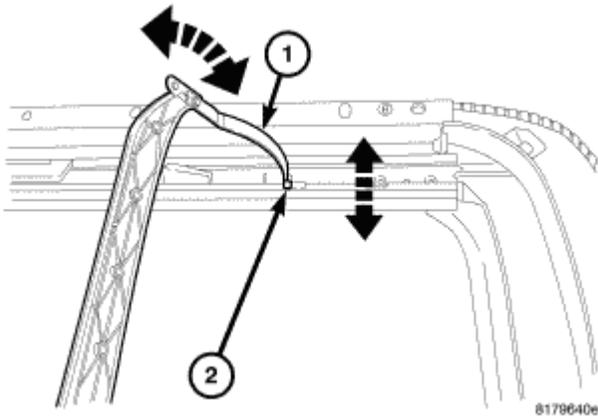


Fig. 565: Rotating Wind Deflector Up And Release From Mounting Hole In Sunroof Frame
 Courtesy of CHRYSLER LLC

1. Position the wind deflector springs (1) into the mounting holes (2) in the sunroof frame.
2. Rotate forward and down into position.

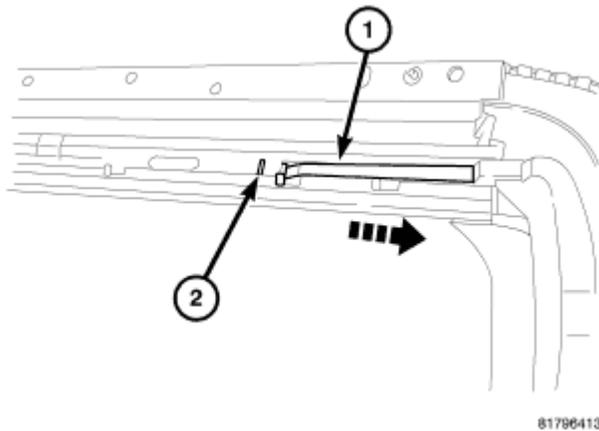


Fig. 566: Sliding Wind Deflector And Spring Forward Under Car Top Lip And Making Sure Spring Lock Snaps Into Place
 Courtesy of CHRYSLER LLC

3. Slide the wind deflector and spring (1) forward under the car top lip and make sure the spring lock snaps into place (2) fully.

GLASS - SUNROOF

REMOVAL

GLASS - SUNROOF

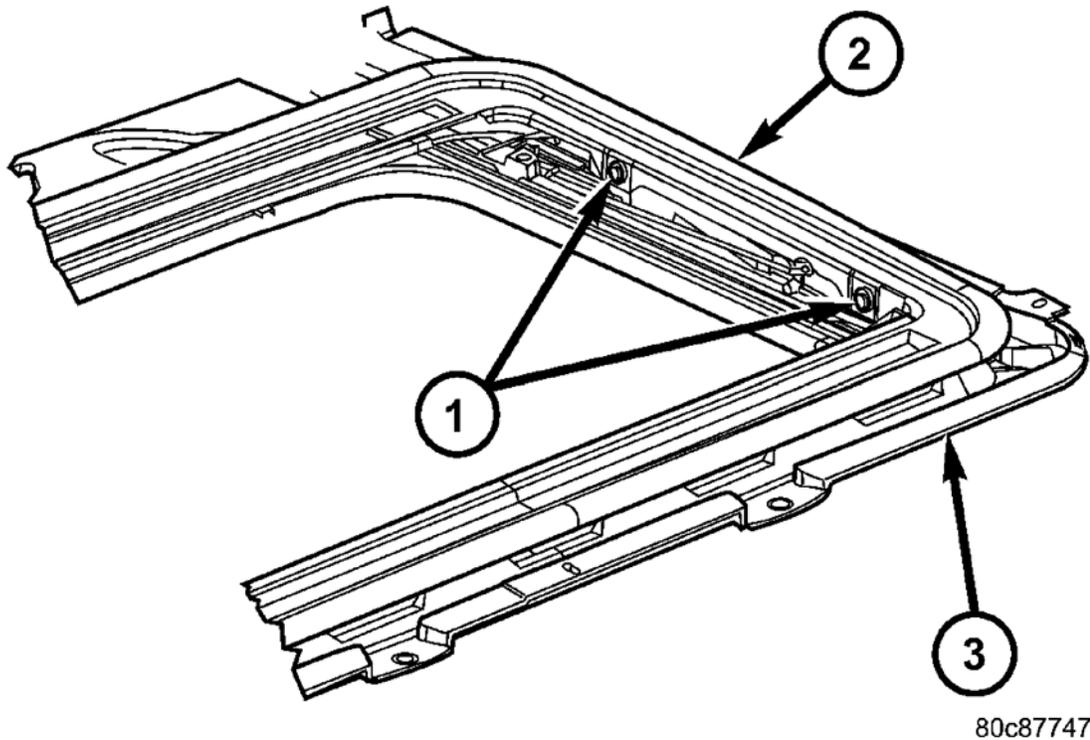


Fig. 567: Removing/Installing Sunroof Glass Panel
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - SCREWS
2 - GLASS PANEL
3 - MODULE ASSEMBLY |
|--|

1. Slide sunshade rearward to the open position.
2. Move the glass panel (2) to the closed position.
3. Remove the four glass panel screws (1).
4. Lift off glass panel and remove from vehicle.

INSTALLATION

GLASS - SUNROOF

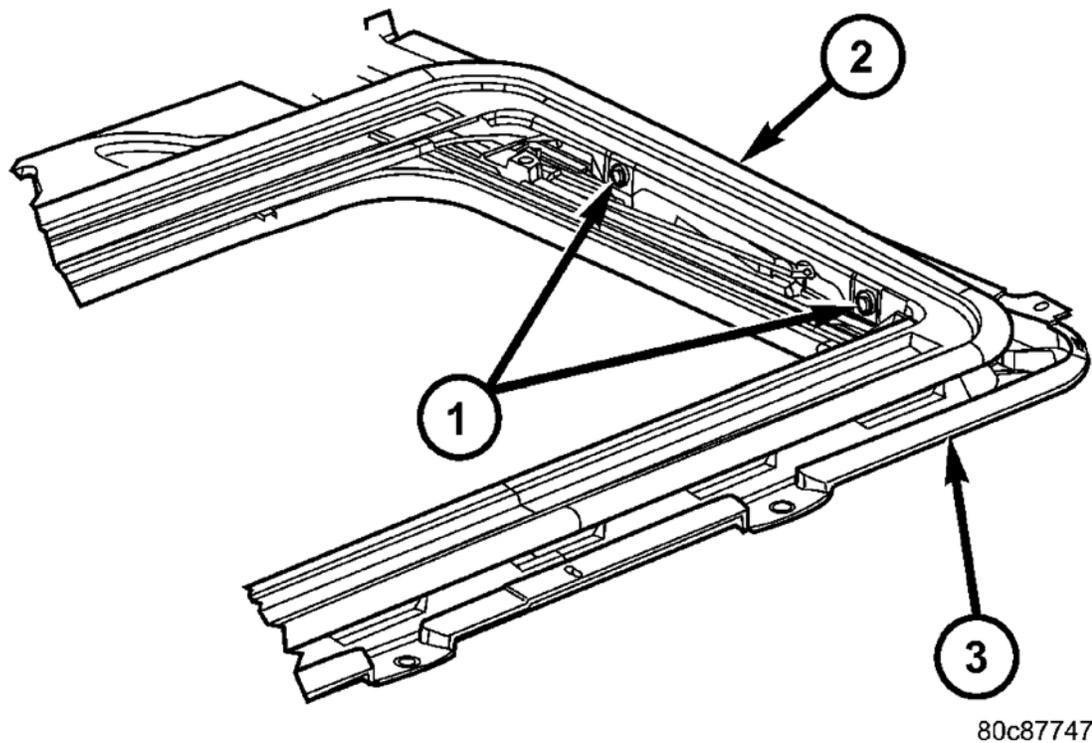


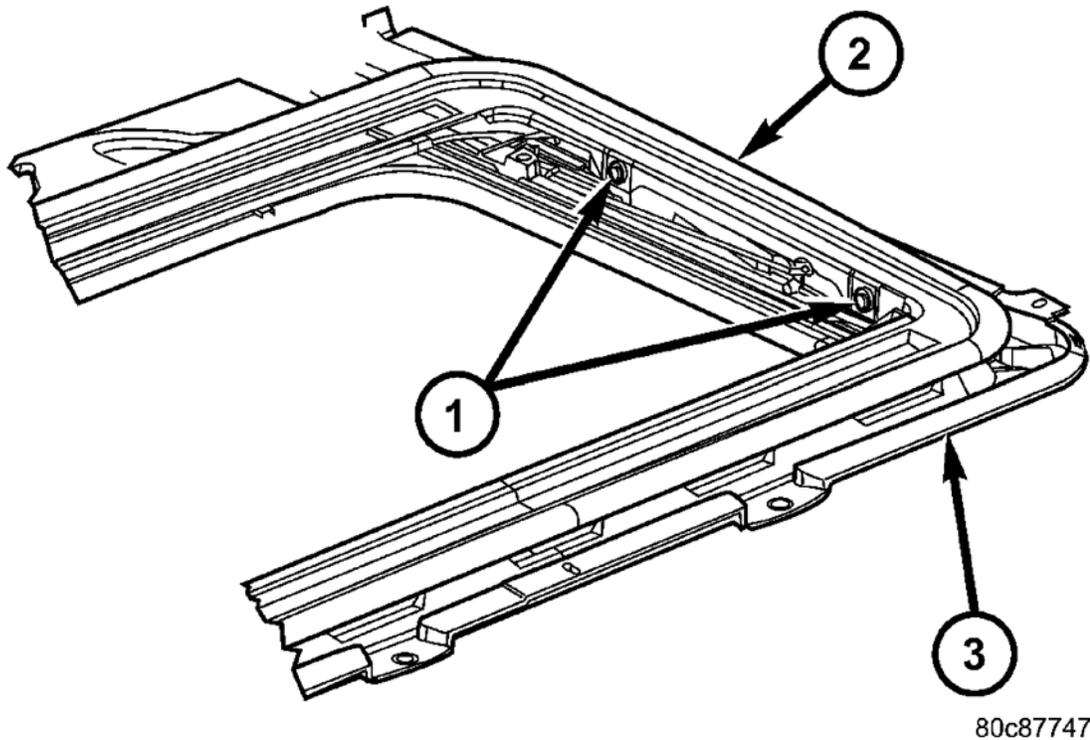
Fig. 568: Removing/Installing Sunroof Glass Panel
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - SCREWS
2 - GLASS PANEL
3 - MODULE ASSEMBLY |
|--|

1. Position glass panel (2) on to mechanism lift arm.
2. Start the four attaching screws (1).
3. Center glass in opening by running a business card around the glass.
4. Adjust glass panel. See **ADJUSTMENTS**.

ADJUSTMENTS

GLASS - SUNROOF

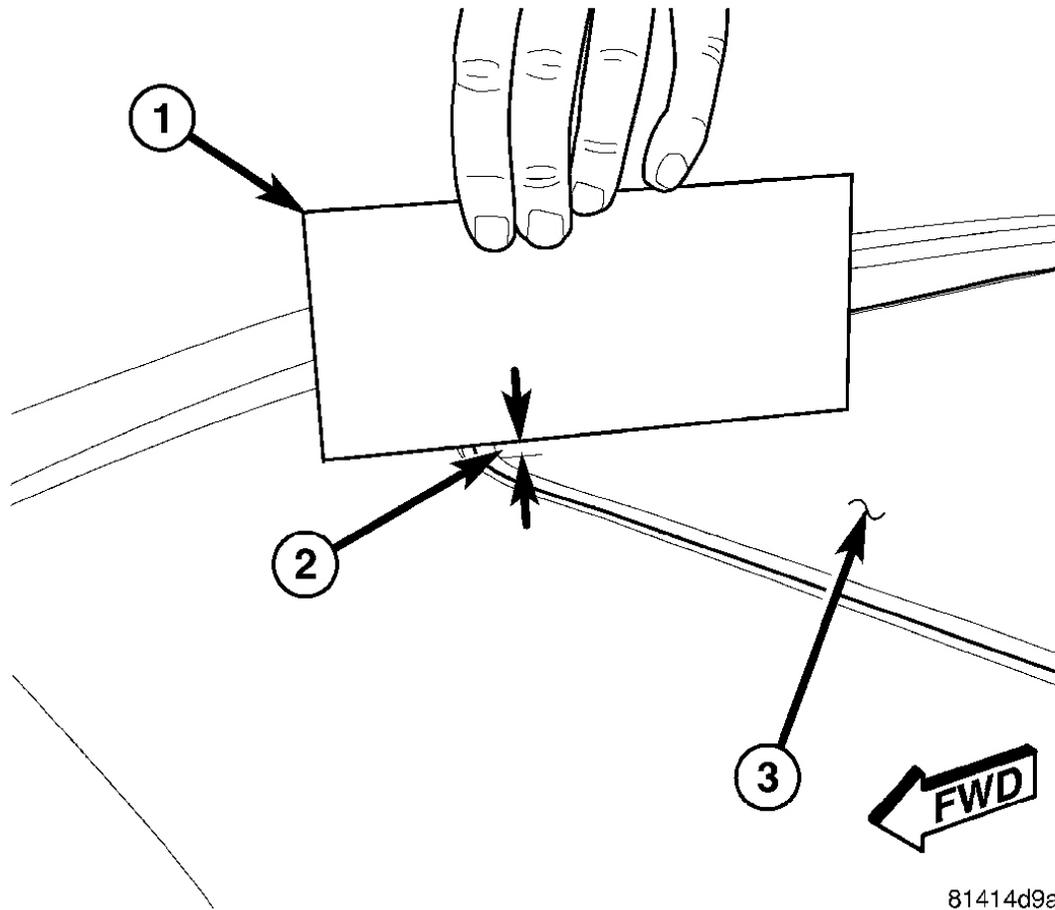


80c87747

Fig. 569: Removing/Installing Sunroof Glass Panel
Courtesy of CHRYSLER LLC

- | |
|--|
| 1 - SCREWS
2 - GLASS PANEL
3 - MODULE ASSEMBLY |
|--|

1. Move the sunshade rearward to the open position.
2. Move the sunroof glass panel to the fully closed position.
3. Adjust the glass one corner at a time.
 - Loosen four glass screws (1).
 - Lift glass assembly and align the top of the glass panel to the top of the roof panel.
 - Tighten screw to 3.5 N.m (31 in. lbs.).
 - Repeat steps a. and b. for each corner of the glass panel.
 - When properly adjusted, the front of the glass panel is flush to 2 mm (0.78 in.) lower than the roof surface and the rear edge of the glass panel is flush to 2 mm (0.78 in.) higher than the roof surface.



81414d9a

Fig. 570: Checking Sunroof Front Height

Courtesy of CHRYSLER LLC

NOTE: When properly adjusted, the front of the glass panel (3) is flush to 2 mm (0.78 in.) lower than the roof surface (2).

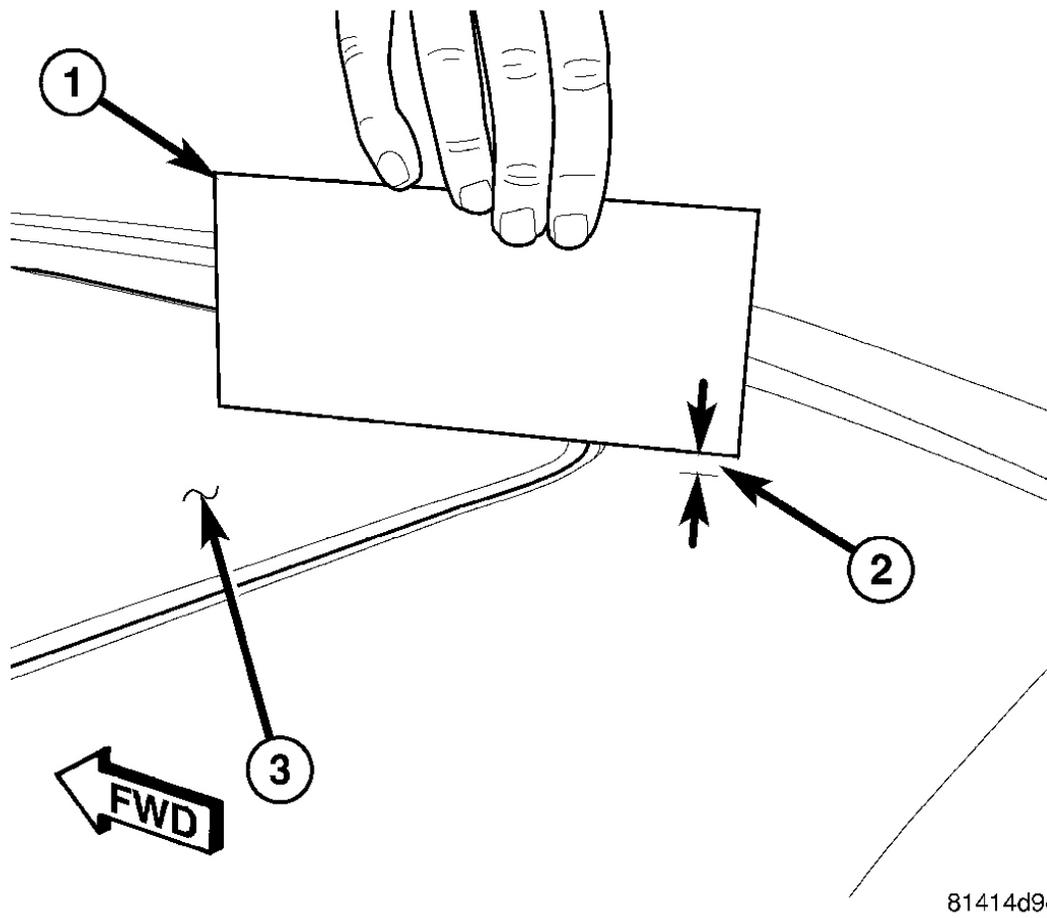


Fig. 571: Checking Sunroof Rear Height

Courtesy of CHRYSLER LLC

NOTE: When properly adjusted, the rear edge of the glass panel (3) is flush to 2 mm (0.78 in.) higher than the roof surface (2).

4. Verify sunroof operation and alignment. Check fit and re-adjust as necessary.

HOSE - SUNROOF DRAIN

REMOVAL

HOSE - SUNROOF DRAIN

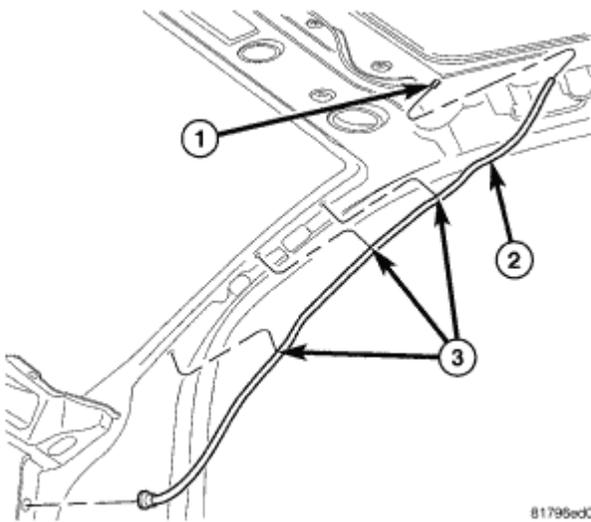


Fig. 572: Sunroof Assembly, Front Hose & Support Clips
Courtesy of CHRYSLER LLC

1. Drop down the headliner as necessary to gain access to the drain hoses, see **REMOVAL**.
2. Disconnect the front hose (2) from the sunroof assembly (1).
3. Release the support clips (3) and disconnect the lower grommet and remove the hose.

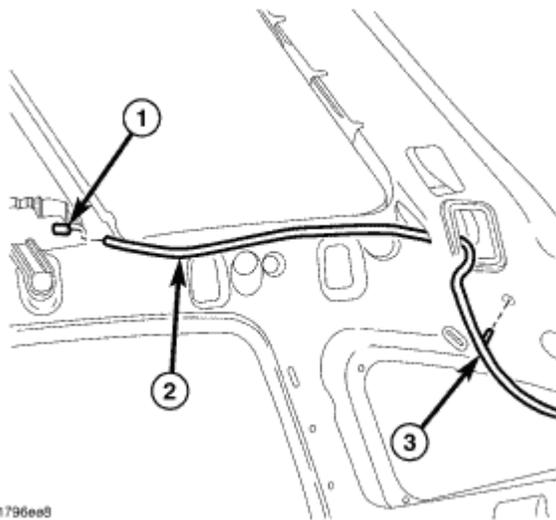


Fig. 573: Sunroof Assembly, Rear Hose & Support Clips
Courtesy of CHRYSLER LLC

4. Disconnect the rear hose (2) from the sunroof assembly (1) and release the support clips (3).

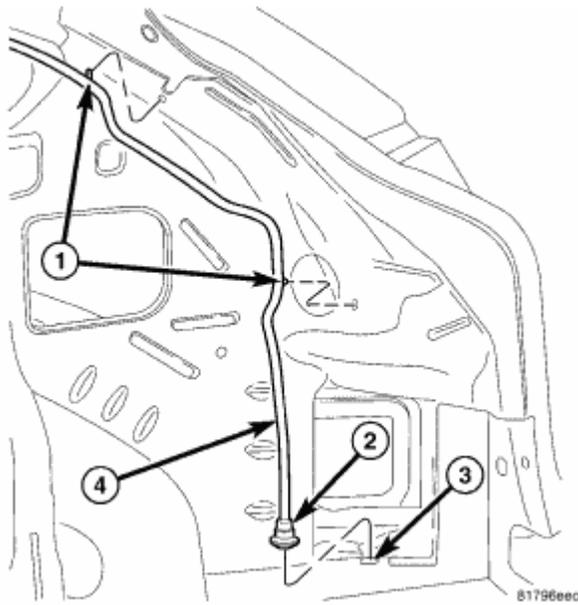


Fig. 574: Support Clips, Grommet, Body & Rear Hose
Courtesy of CHRYSLER LLC

5. Separate the remaining support clips (1).
6. Disconnect the grommet (2) from the body (3) and remove the rear hose as necessary.

INSTALLATION

HOSE - SUNROOF DRAIN

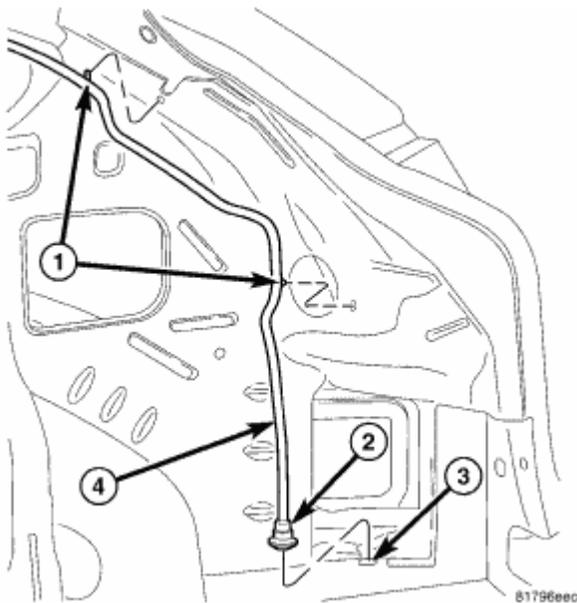
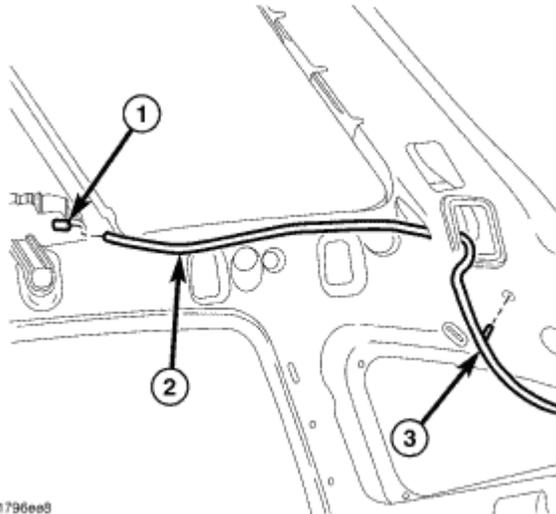


Fig. 575: Support Clips, Grommet, Body & Rear Hose
Courtesy of CHRYSLER LLC

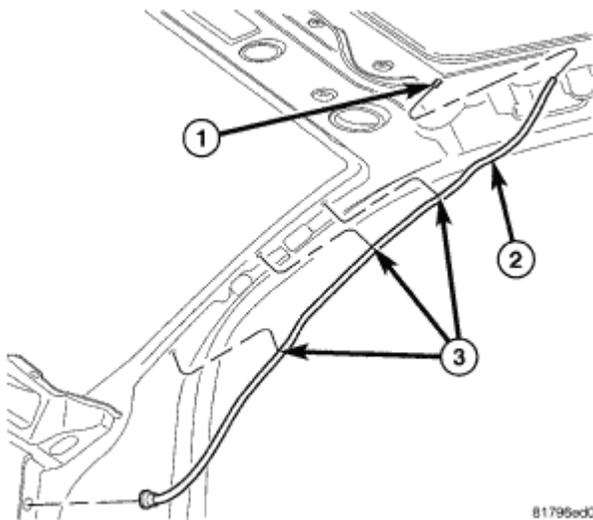
1. Install the rear hose (4) and connect the grommet (2) to the body (3).
2. Connect the support clips (1).



81796ed8

Fig. 576: Sunroof Assembly, Rear Hose & Support Clips
Courtesy of CHRYSLER LLC

3. Route the hose as required and connect the remaining support clips (3).
4. Connect the hose (2) to the sunroof assembly (1).



81796ed0

Fig. 577: Sunroof Assembly, Front Hose & Support Clips
Courtesy of CHRYSLER LLC

5. Connect the front hose lower grommet to the body.
6. Connect the front hose (2) to the sunroof assembly (1) and connect the support clips (3).

MOTOR - SUNROOF WITH CONTROL UNT

DESCRIPTION

MOTOR - SUNROOF WITH CONTROL UNIT

For motor and control unit service, refer to **REMOVAL** .

STANDARD PROCEDURE

MOTOR - SUNROOF WITH CONTROL UNIT

REPLACEMENT DRIVE MOTOR

1. Press and hold the sunroof close switch until the sunroof glass moves into the vent position and automatically reverses slightly and stops in the vent position.
2. Release sunroof switch.
3. Within five seconds of releasing sunroof switch, press and hold the sunroof close switch again until the sunroof glass fully cycles and returns to the closed position.
4. Release sunroof switch. Sunroof will now operate normally.

ORIGINAL DRIVE MOTOR

1. Press and hold the sunroof close switch until the sunroof stops at the closed position.
2. Release sunroof switch.
3. Press and hold sunroof close switch once again for at least 10 seconds. After 10 seconds of pressing the close switch the sunroof glass will automatically move into the vent position and stop.
4. Release sunroof switch.
5. Within five seconds of releasing the sunroof switch, press and hold the sunroof close switch again until the sunroof glass fully cycles and returns to the closed position.
6. Release sunroof switch. The sunroof will now operate normally.

SEAL- SUNROOF GLASS

REMOVAL

SEAL- SUNROOF GLASS

1. Remove sunroof glass panel, see **REMOVAL**.
2. Place glass panel on clean work area with the top side up. Support the glass assembly from underside to avoid bending or otherwise damaging the mounting tabs.
3. Grasp the seal and pull seal away from the glass panel. The seal is a one piece seal.

INSTALLATION

SEAL- SUNROOF GLASS

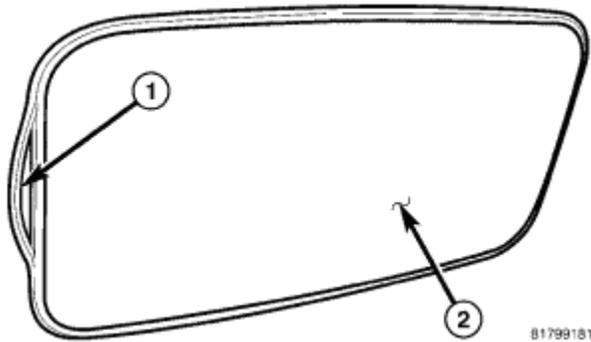


Fig. 578: Sunroof Glass Seal
Courtesy of CHRYSLER LLC

NOTE: Always position seal seam on center of the passenger side of glass panel.

1. Place seal (1) into position.
2. Seat the seal (1) into the glass channel fully. Using care working the seal around the glass (2), being careful not to over stretch the seal while installing.
3. Install the glass panel, see **INSTALLATION**.

SUNROOF - MODULE/FRAME ASSEMBLY

REMOVAL

SUNROOF - MODULE/FRAME ASSEMBLY

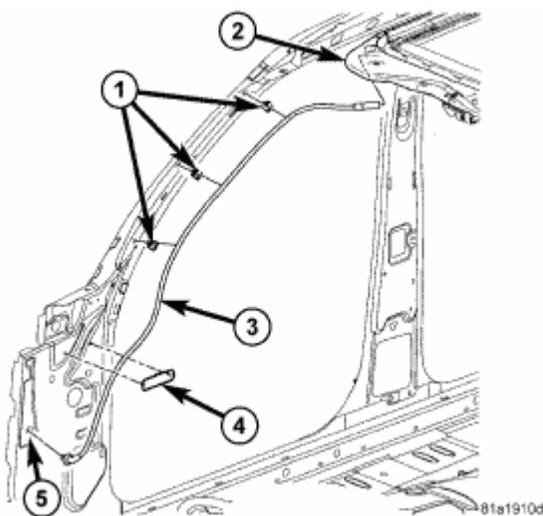


Fig. 579: Disconnecting/Connecting Front Drain Tube At Sunroof
Courtesy of CHRYSLER LLC

1. Move glass panel to fully closed position.
2. Disconnect and isolate negative battery cable.
3. If equipped, remove the overhead console, refer to **REMOVAL**.

4. Remove headliner, see **REMOVAL**.
5. Disconnect wire harness.
6. Disconnect the front drain tube (3) at the sunroof (2).

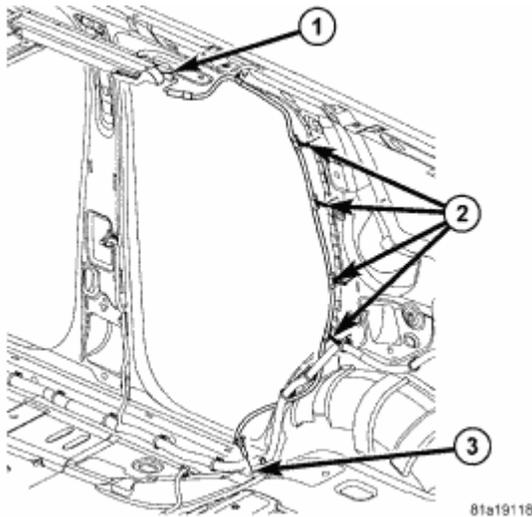


Fig. 580: Disconnecting/Connecting Rear Drain Tube At Sunroof
 Courtesy of CHRYSLER LLC

7. Disconnect the rear drain tube at the sunroof (1).

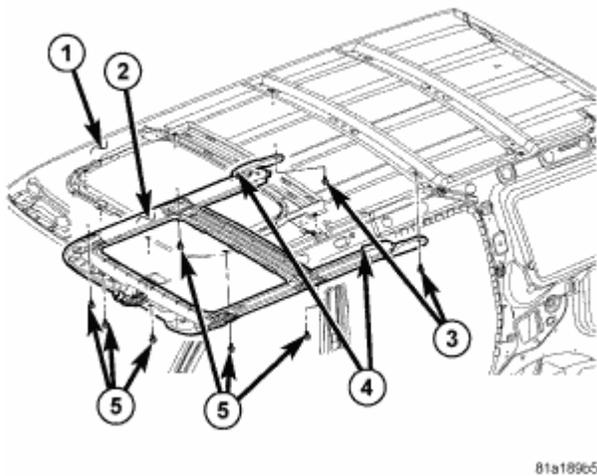


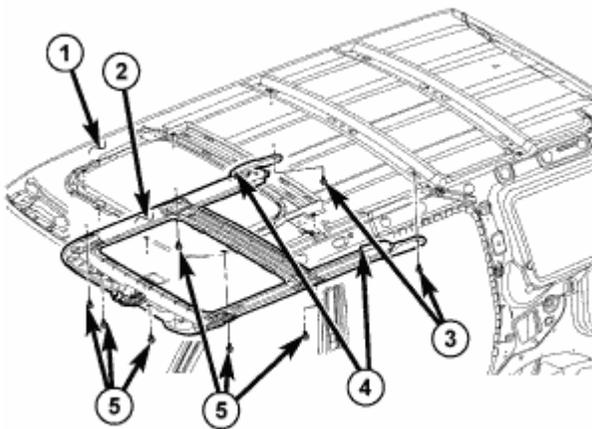
Fig. 581: Roof Panel, Sunroof Module Assembly, Module Bracket Bolts & Fasteners
 Courtesy of CHRYSLER LLC

8. Remove two module bracket bolts (3) and loosen the remaining six fasteners (5).
9. With the aid of a helper, remove fasteners (5) attaching sunroof module assembly (2) to roof panel (1).
10. Remove the glass panel.
11. Remove the sunshade, see **REMOVAL**.

12. Remove the drive motor, refer to **REMOVAL** .
13. Remove the wire harness.
14. Remove the trough.
15. Remove the module side brackets.
16. Remove the deflector.

INSTALLATION

SUNROOF - MODULE/FRAME ASSEMBLY



81a18965

Fig. 582: Roof Panel, Sunroof Module Assembly, Module Bracket Bolts & Fasteners
 Courtesy of CHRYSLER LLC

1. Install the module brackets.
2. Install the drive motor, refer to **INSTALLATION** .
3. Install the sunshade, see **INSTALLATION**.
4. Install the trough.
5. Install the glass panel.
6. Raise rear end of sunroof module assembly (2) to the roof (1) and guide into position and start the rear fasteners (3).
7. Raise front end of sunroof module assembly (2) to the roof (1) and guide into position, start the remaining fasteners (3).
8. Visually line up the alignment guide holes with the guide holes in the roof of the vehicle.
9. Tighten the fasteners to 9 N.m (80 in. lbs.).
10. Tighten the nuts (4).

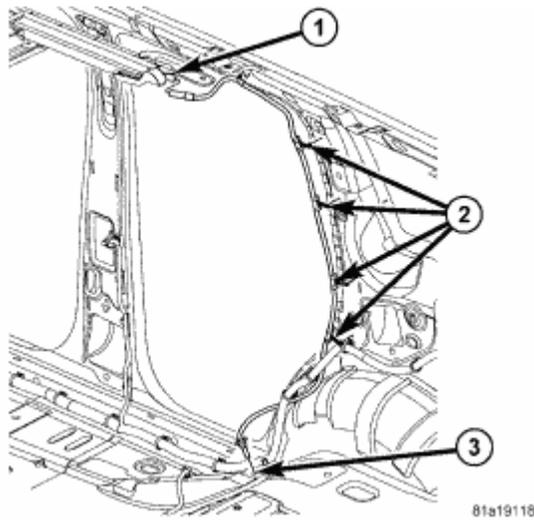


Fig. 583: Disconnecting/Connecting Rear Drain Tube At Sunroof
 Courtesy of CHRYSLER LLC

11. Connect the rear drain tube at the sunroof (1).

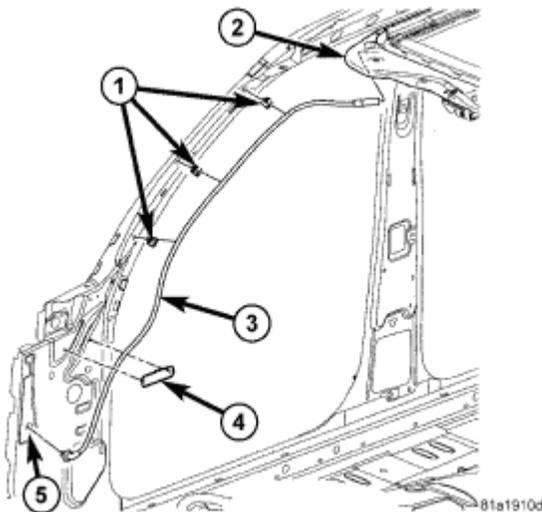


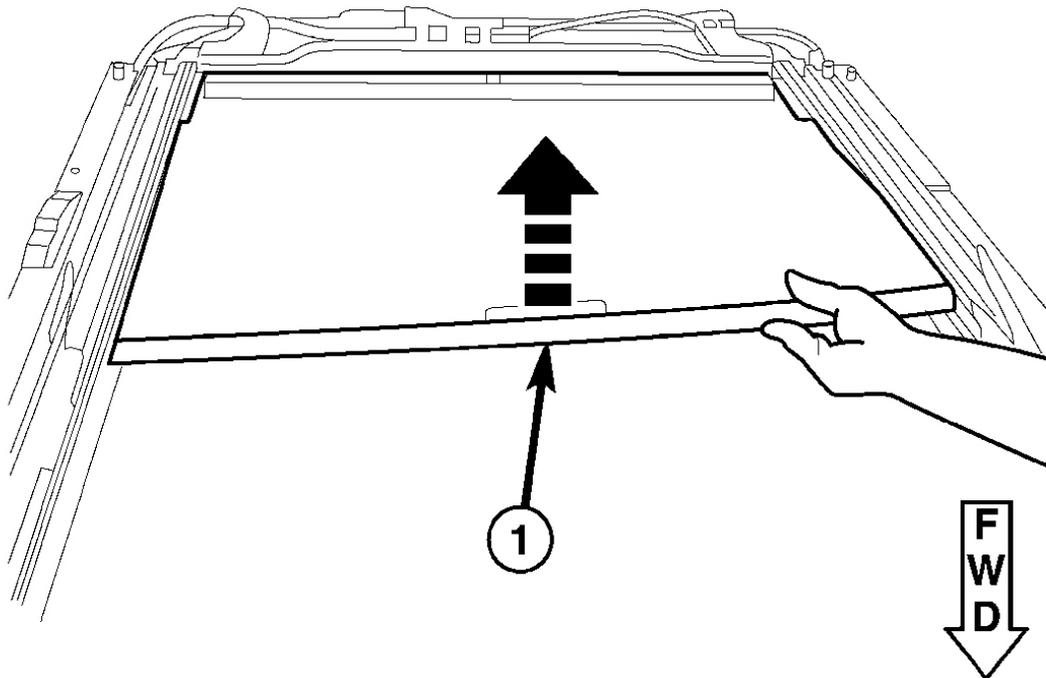
Fig. 584: Disconnecting/Connecting Front Drain Tube At Sunroof
 Courtesy of CHRYSLER LLC

12. Connect the front drain tube (3) at the sunroof (2).
13. Install the wire harness.
14. Connect battery negative cable.
15. If equipped, install the overhead console, refer to **INSTALLATION** .
16. Perform the sunroof motor teach procedure, refer to **STANDARD PROCEDURE** .
17. Test sunroof operation, adjust glass as necessary, see **ADJUSTMENTS**.
18. Install the headliner, see **INSTALLATION**.

SUNSHADE - SUNROOF

REMOVAL

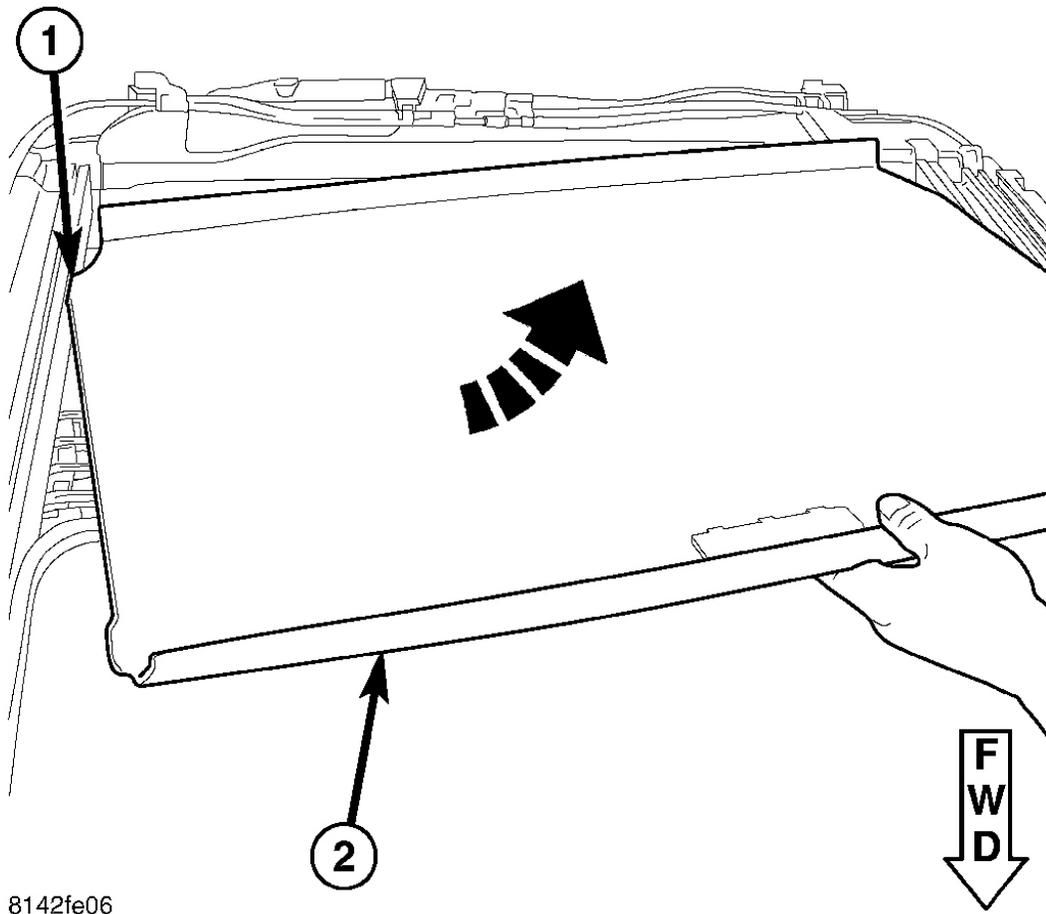
SUNSHADE - SUNROOF



8142fe05

Fig. 585: Removing/Installing Drain Channel
Courtesy of CHRYSLER LLC

1. Remove the drain trough, see **REMOVAL**.
2. Push up the front center of the sunshade (1) to pop out the front two feet.



8142fe06

Fig. 586: Removing/Installing Sunshade
Courtesy of CHRYSLER LLC

3. Rotate the sunshade (2) so that the other feet (1) are removed from the guide track.

INSTALLATION

SUNSHADE - SUNROOF

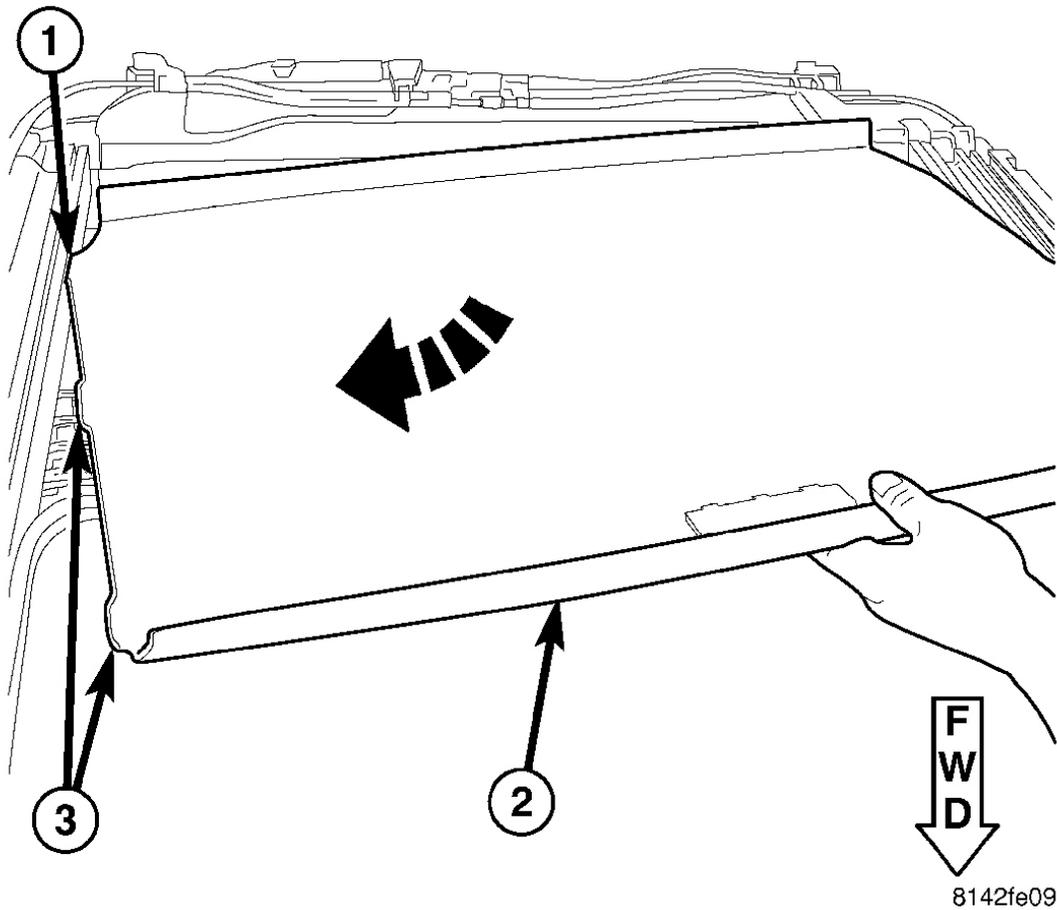
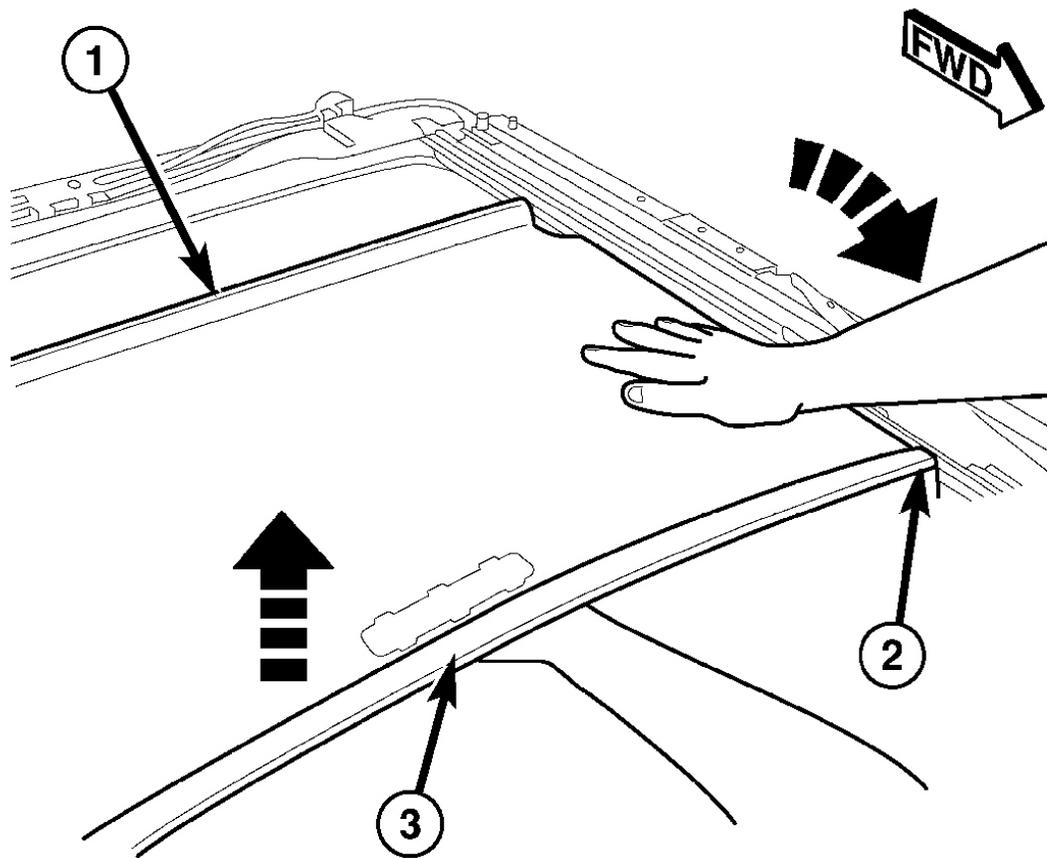


Fig. 587: Removing/Installing Sunshade

Courtesy of CHRYSLER LLC

1. Verify the sunshade track is free of obstructions like the trim lace/ring.
2. Start with sunshade (2) at an angle with one foot (1) in the track.
3. Rotate the sunshade so the other rear foot is in the track as well as the 2 other feet (3) on the same side as the first foot.



8142fe08

Fig. 588: Removing/Installing Drain Channel
 Courtesy of CHRYSLER LLC

4. To insert the remaining two feet (2) apply force to the middle front of sunshade (3) and guide them into the track.
5. Check that all the feet are in the right track and verify sunshade operation.
6. Install the drain trough, see **INSTALLATION**.

SWITCH - SUNROOF CONTROL

DESCRIPTION

SWITCH - SUNROOF CONTROL

Vehicles equipped with a power sunroof utilize a sunroof control switch. On this model, the sunroof control switch is located in the overhead console, in between the two reading lamps. The switch is mounted in the overhead console with four plastic retaining tabs, molded into the switch housing.

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

This switch incorporates four selections of operation open, auto open, close and vent. The individual switches in the sunroof control switch unit cannot be repaired. If one switch is damaged or faulty, the entire sunroof control switch unit must be replaced.

OPERATION

SWITCH - SUNROOF CONTROL

With the operation of the sunroof control switch, voltage is directed to the sunroof motor, through the switch contacts or control module. If the control switch is depressed and held depressed the voltage signal is controlled manually through the switch contacts, so when the switch is released the sunroof stops.

Refer to the Owner's Manual for more information on the operation of the sunroof switch and system.

DIAGNOSIS AND TESTING

SWITCH - SUNROOF CONTROL

The following test will determine if the sunroof control switch is operating properly.

1. Remove the overhead console from the headliner, refer to **REMOVAL**.
2. Remove the sunroof control switch from the overhead console, see **REMOVAL**.
3. Using an ohmmeter, test the switch terminals for proper continuity using the table below. If any of the terminals do not show proper continuity, replace the sunroof control switch.

SWITCH POSITION (DEPRESSED)	CONTINUITY BETWEEN TERMINALS
VENT (V)	3, 4
OPEN (AUTO)	1, 4
CLOSE	2, 4

REMOVAL

SWITCH - SUNROOF CONTROL

1. Disconnect and isolate the negative battery cable.
2. Remove the overhead console from the headliner, refer to **REMOVAL**.
3. Disconnect the sunroof control switch electrical connector. Depress the connector retaining tab and pull the connector straight out.
4. To remove the switch from the overhead console, push on the back of the switch until it comes free from the overhead console.

INSTALLATION

SWITCH - SUNROOF CONTROL

1. Install the switch in the overhead console assembly. Be certain the switch is securely snapped in place.

2. Connect the sunroof control switch electrical connector. Be certain the switch connector is securely snapped in place.
3. Install the overhead console, refer to **INSTALLATION** .
4. Connect the negative battery cable.

TROUGH - SUNROOF

REMOVAL

TROUGH - SUNROOF

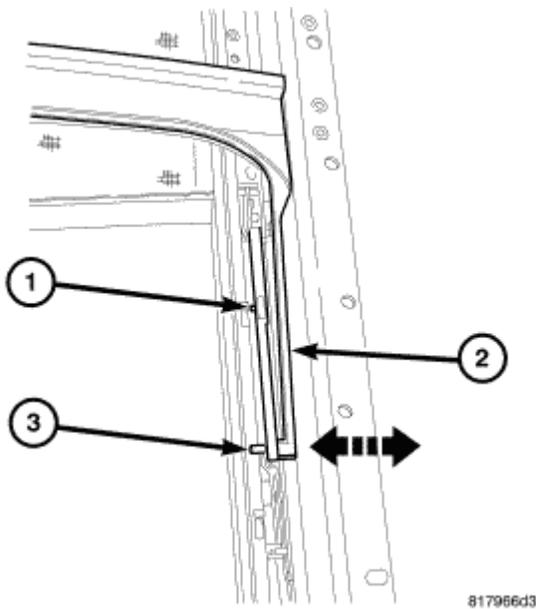


Fig. 589: Separating/Installing Trough Pins From Glass Lift Mechanisms
Courtesy of CHRYSLER LLC

1. Remove the glass, see **REMOVAL**.
2. Separate the trough pins (3) from the glass lift mechanisms (1).

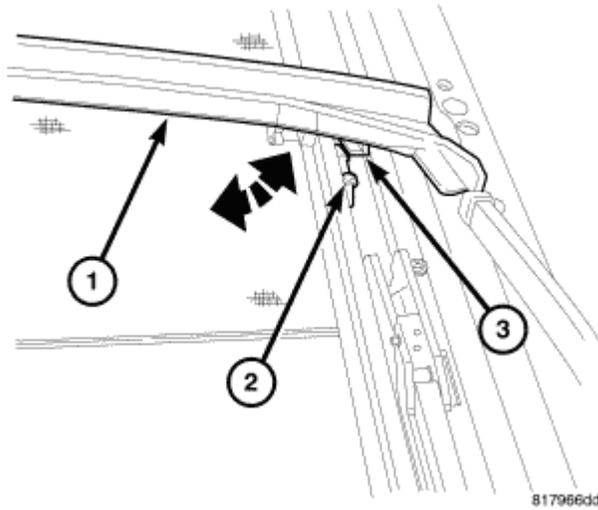


Fig. 590: Pushing Down On Center Of Trough To Flatten It Out And Installing Remaining Trough Guide And Guide Shoe Into Track
 Courtesy of CHRYSLER LLC

3. Slide trough (1) to one side and push down on the center of the trough until the guide shoe tab (3) releases from the track (2).
4. Slide the trough in the opposite direction to release the other shoe and lift the trough out of the sunroof opening.

INSTALLATION

TROUGH - SUNROOF

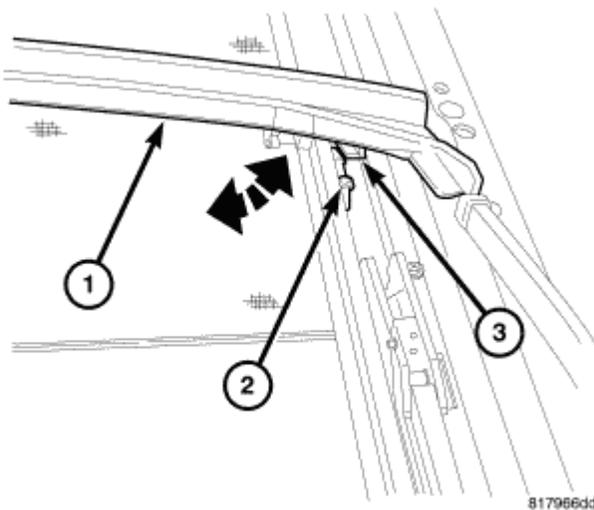


Fig. 591: Pushing Down On Center Of Trough To Flatten It Out And Installing Remaining Trough Guide And Guide Shoe Into Track
 Courtesy of CHRYSLER LLC

1. Insert one of the trough guides (3) and guide shoe (2) into the track.

2. Push down on the center of the trough (1) to flatten it out and install the remaining trough guide (3) and guide shoe (2) into the track.

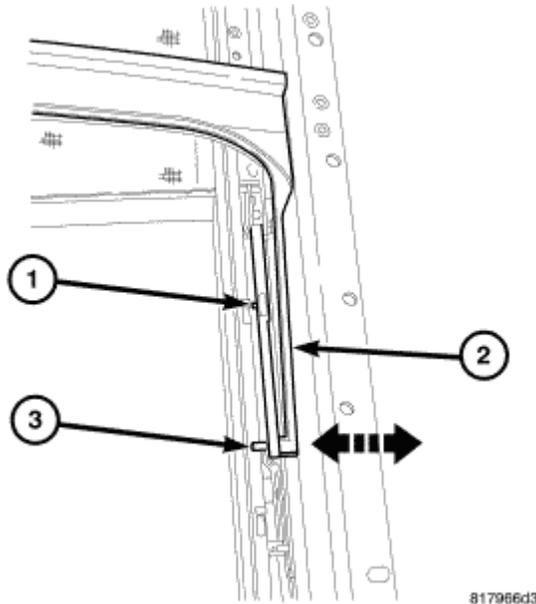


Fig. 592: Separating/Installing Trough Pins From Glass Lift Mechanisms
Courtesy of CHRYSLER LLC

3. Install the trough guide pins into the glass lift mechanism (3) and seat fully.
4. Install the glass, see INSTALLATION.

WEATHERSTRIP/SEALS

WEATHERSTRIP - A-PILLAR

REMOVAL

WEATHERSTRIP - A-PILLAR

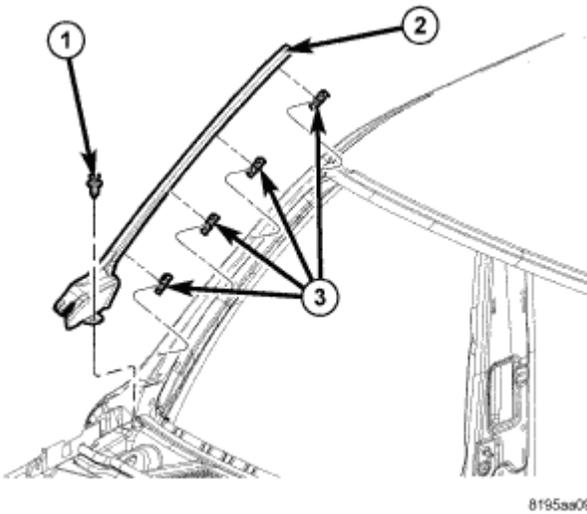


Fig. 593: Push Pin, Windshield A-Pillar Molding & Clips
Courtesy of CHRYSLER LLC

1. Using a trim stick C-4755 or equivalent, remove the push pin (1).
2. Remove the windshield A-pillar molding (2) and clips (3) from the windshield A-pillar.

INSTALLATION

WEATHERSTRIP - A-PILLAR

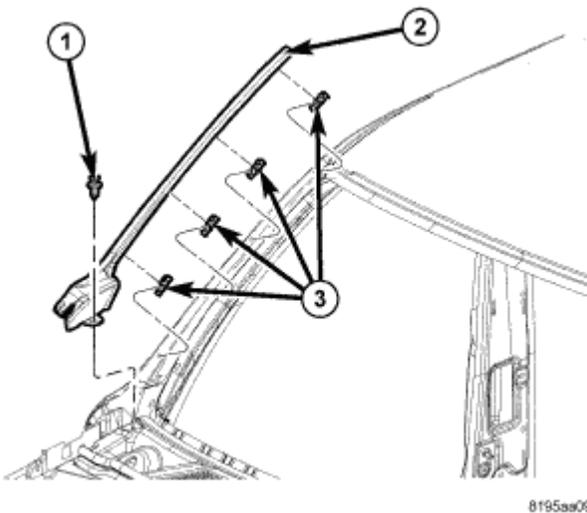


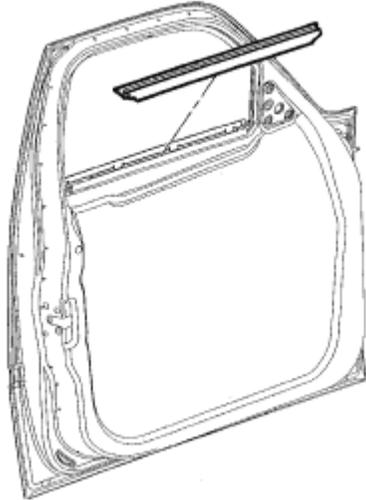
Fig. 594: Push Pin, Windshield A-Pillar Molding & Clips
Courtesy of CHRYSLER LLC

1. Install the windshield A-pillar molding (2) and clips (3) to the windshield A-pillar.
2. Install the push pin (1).

WEATHERSTRIP - FDB - INNER

REMOVAL

WEATHERSTRIP - FDB - INNER



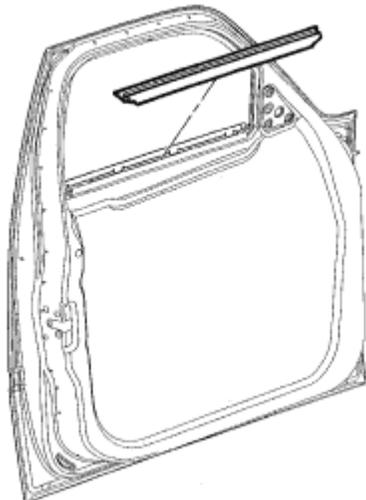
8196a42

Fig. 595: Removing/Installing Inner Door Weatherstrip
Courtesy of CHRYSLER LLC

1. Remove the door trim panel, see **REMOVAL**.
2. Rotate the outer belt molding outboard while pulling up to disengage the retention tabs.

INSTALLATION

WEATHERSTRIP - FDB - INNER



8196a42

Fig. 596: Removing/Installing Inner Door Weatherstrip
Courtesy of CHRYSLER LLC

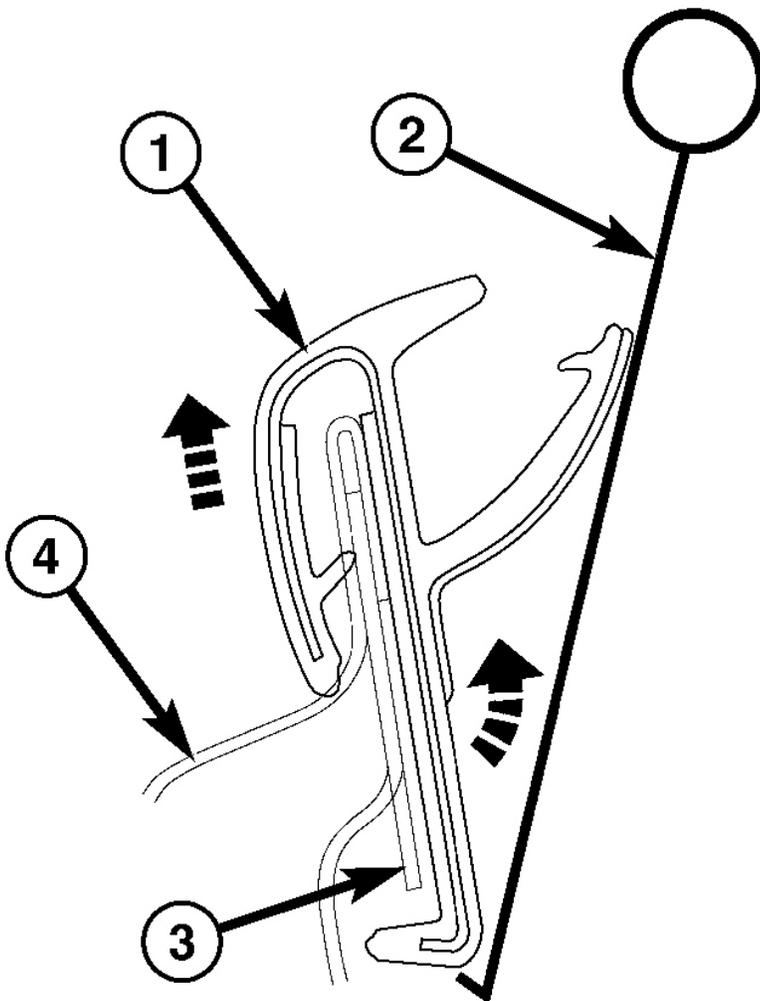
1. Press the belt molding onto the trim panel flange starting at the rear and working forward.

2. Install the door trim panel, see INSTALLATION.

WEATHERSTRIP - FDB - OUTER

REMOVAL

WEATHERSTRIP - FDB - OUTER



80bfd7d

Fig. 597: Removing Outer Belt Molding
Courtesy of CHRYSLER LLC

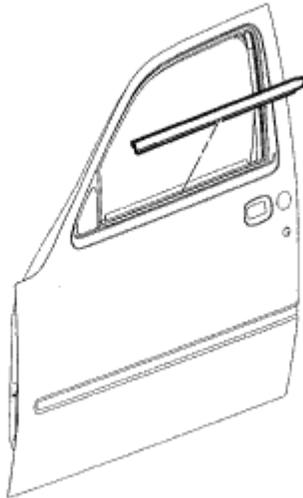
1 - OUTER BELT MOLDING

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

- 2 - SPECIAL TOOL #9093
- 3 - RETAINING TAB
- 4 - DOOR OUTER PANEL

1. Lower window completely.
2. Insert the outer door belt molding removal tool - 9093 between belt molding and glass at rear and then slide tool forward approximately 14 cm (5.5 in.).
3. Push down on outer belt molding and rotate upper part of tool outward from vehicle approximately 6 - 8 cm (2.5 - 3 in.) then lift up on molding to disengage from locking tab.
4. Repeat step 2 and 3 at 28 cm (11 in.), 43 cm (17 in.), and 57 cm (22.5 in.) from rear of door.



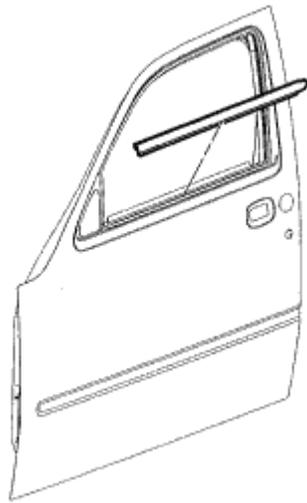
8196a374

Fig. 598: Removing/Installing Outer Belt Molding
Courtesy of CHRYSLER LLC

5. Remove outer belt molding.

INSTALLATION

WEATHERSTRIP - FDB - OUTER



8196a374

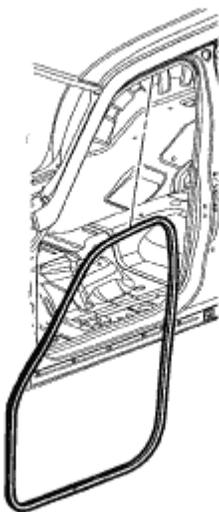
Fig. 599: Removing/Installing Outer Belt Molding
Courtesy of CHRYSLER LLC

1. Press the outer belt molding onto the outer door window flange starting at the rear and working forward.
2. Cycle the window to make sure the window doesn't bind on the outer belt molding.

WEATHERSTRIP - FRONT DOOR

REMOVAL

WEATHERSTRIP - FRONT DOOR



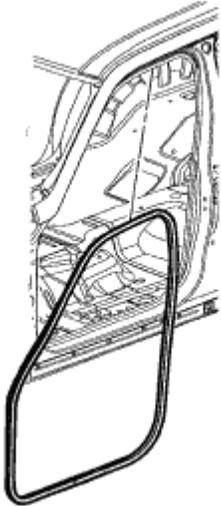
8196a061

Fig. 600: Front Door Weatherstrip
Courtesy of CHRYSLER LLC

1. Open the front door.
2. Remove weatherstrip from the body mount flange.

INSTALLATION

WEATHERSTRIP - FRONT DOOR



8196a061

Fig. 601: Front Door Weatherstrip
Courtesy of CHRYSLER LLC

NOTE: Position the seal to the bottom of the door opening, with bulb facing outboard, starting the installation at the center of the lower flange. Press the seal onto the sill flange and work around the perimeter of the door opening until fully seated. Work 1/2 the way around and then start at the other end of the seal working back, making sure the splice joint has no gap and smoothing the seal to avoid puckers or wrinkles. If in extreme cold temperatures preheating the weatherstrip to 23.8°C (75°F) may be required to fully seat the weatherstrip.

1. Install the weatherstrip to the body mount flange.
2. Trim the weatherstrip if necessary, and connect the ends together along the flange.

WEATHERSTRIP - FD - MOUNTED

REMOVAL

WEATHERSTRIP - FD - MOUNTED

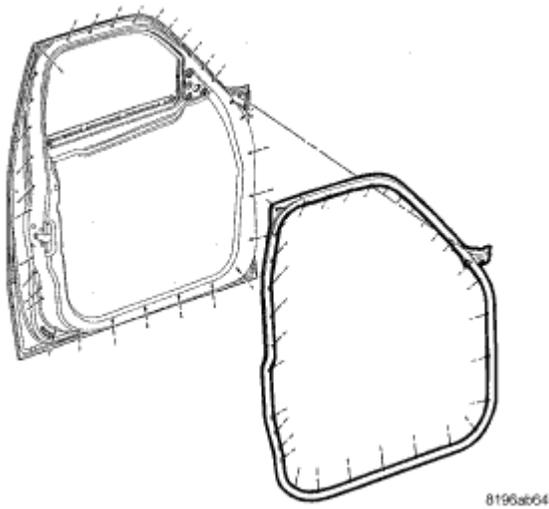


Fig. 602: Front Door Mounted Weatherstrip
Courtesy of CHRYSLER LLC

1. Carefully remove the plastic hook style clips on the weatherstrip from the door and remove the seal from the door.

INSTALLATION

WEATHERSTRIP - FD - MOUNTED

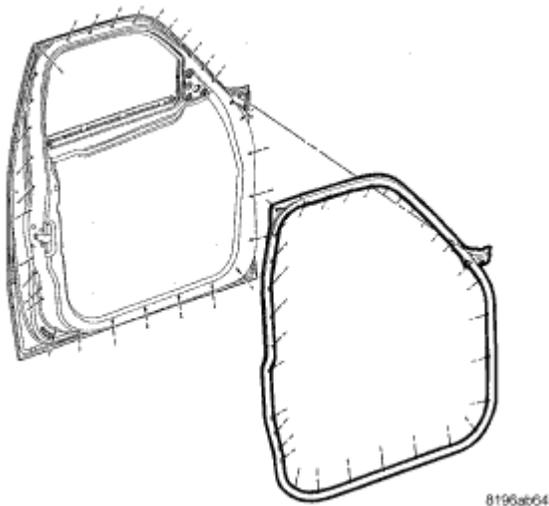


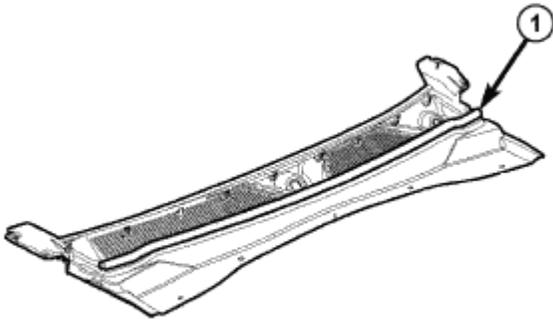
Fig. 603: Front Door Mounted Weatherstrip
Courtesy of CHRYSLER LLC

1. Position the seal correctly and install the plastic hook style clips on the weatherstrip to the door.

WEATHERSTRIP - HOOD TO COWL

REMOVAL

WEATHERSTRIP - HOOD TO COWL



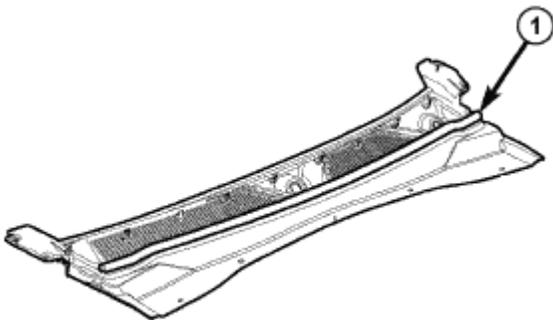
81950af1

Fig. 604: Cowl Weather-Strip
Courtesy of CHRYSLER LLC

1. Raise and support the hood.
2. Remove the cowl weather-strip (1) by peeling the cowl seal from the cowl grille.

INSTALLATION

WEATHERSTRIP - HOOD TO COWL



81950af1

Fig. 605: Cowl Weather-Strip
Courtesy of CHRYSLER LLC

1. Install the cowl weather-strip (1) to the cowl grille.
2. Remove the hood support rod and lower the hood.

WEATHERSTRIP - LIFT GATE OPENING

REMOVAL

WEATHERSTRIP - LIFT GATE OPENING

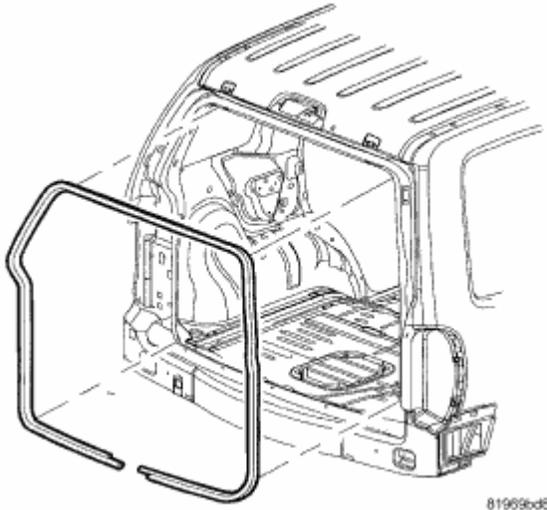


Fig. 606: Lift Gate Opening Weatherstrip
Courtesy of CHRYSLER LLC

1. Open the lift gate.
2. Remove the weatherstrip seal from the lift gate opening.

INSTALLATION

WEATHERSTRIP - LIFT GATE OPENING

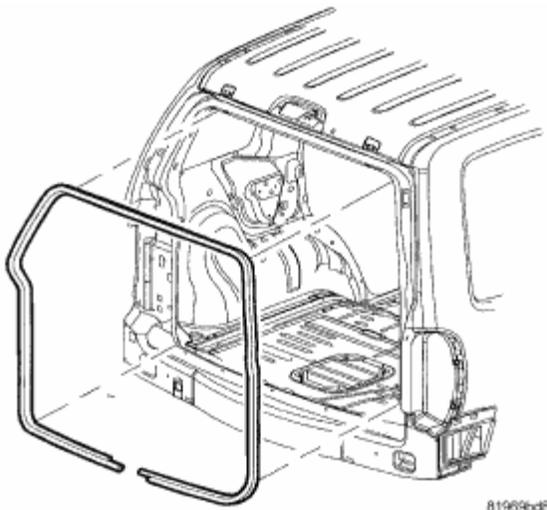


Fig. 607: Lift Gate Opening Weatherstrip
Courtesy of CHRYSLER LLC

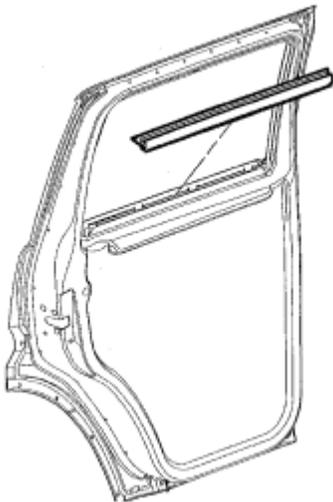
NOTE: Seat the lift gate weatherstrip fully into all corners without stretching. If in extreme cold temperatures preheating the weatherstrip to 23.8°C (75°F) may be required to fully seat the weatherstrip.

1. Install the weatherstrip to the upper right and left hand corners of the lift gate opening.
2. Using hand pressure seat the seal into the upper corners then seat across the header.
3. Seat the seal down the D-pillar to the lower flange on both sides.
4. Seat the seal along the lower flange to the slice joint.
5. Trim the weatherstrip if necessary, and connect the ends together along the flange.

WEATHERSTRIP - RDB - INNER

REMOVAL

WEATHERSTRIP - RDB - INNER



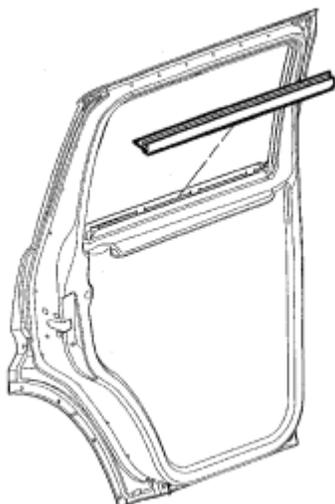
8196aa73

Fig. 608: Removing/Installing Inner Belt Molding Outboard
Courtesy of CHRYSLER LLC

1. Remove the door trim panel, see **REMOVAL**.
2. Rotate the inner belt molding outboard while pulling up to disengage the retention tabs.

INSTALLATION

WEATHERSTRIP - RDB - INNER



8196as73

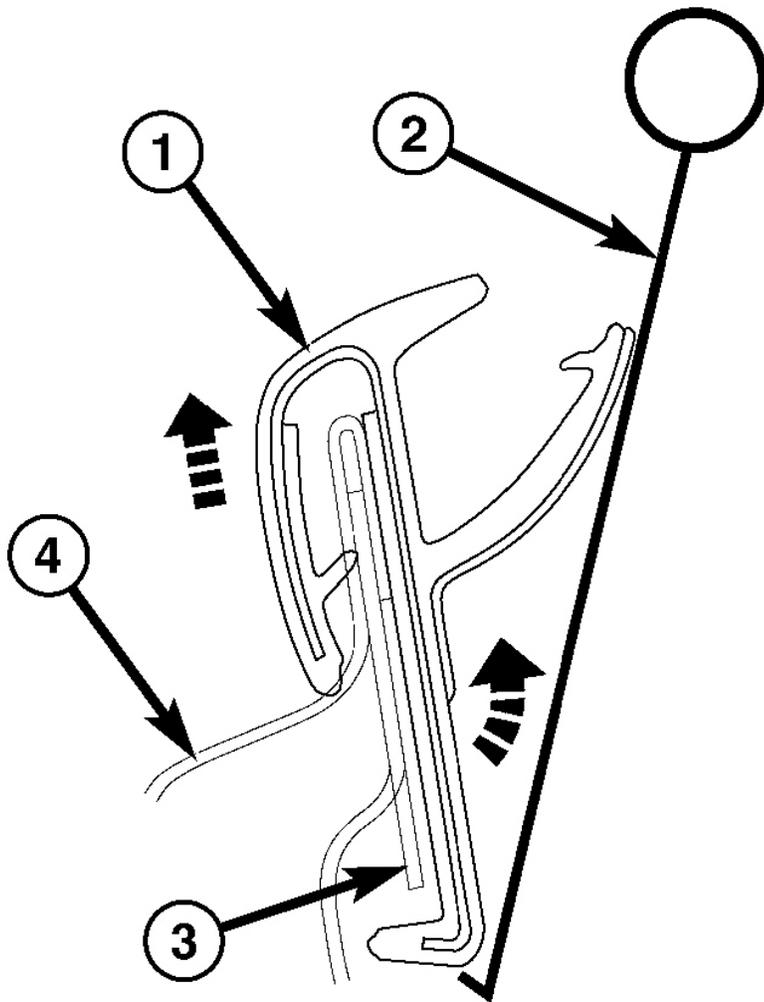
Fig. 609: Removing/Installing Inner Belt Molding Outboard
Courtesy of CHRYSLER LLC

1. Press the belt molding onto the trim panel flange starting at the rear and working forward.
2. Install the door trim panel, see **INSTALLATION**.

WEATHERSTRIP - RDB - OUTER

REMOVAL

WEATHERSTRIP - RDB - OUTER



80bfd7d

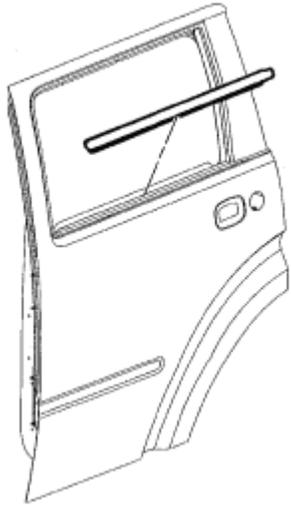
Fig. 610: Removing Outer Belt Molding
Courtesy of CHRYSLER LLC

- | |
|---|
| 1 - OUTER BELT MOLDING
2 - SPECIAL TOOL #9093
3 - RETAINING TAB
4 - DOOR OUTER PANEL |
|---|

1. Lower window completely.
2. Insert the outer door belt molding removal tool - 9093 between belt molding and glass at rear and then slide tool forward approximately 14 cm (5.5 in.).
3. Push down on outer belt molding and rotate upper part of tool outward from vehicle approximately 6 - 8

cm (2.5 - 3 in.) then lift up on molding to disengage from locking tab.

4. Repeat step 2 and 3 at 28 cm (11 in.), 43 cm (17 in.), and 57 cm (22.5 in.) from rear of door.



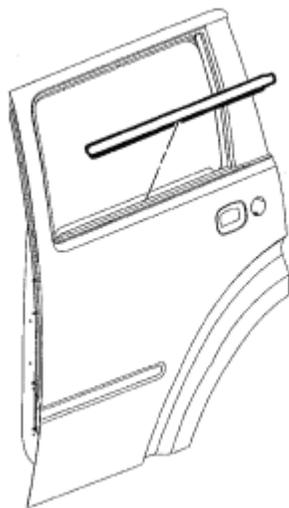
8196a414

Fig. 611: Removing/Installing Outer Belt Molding
Courtesy of CHRYSLER LLC

5. Remove outer belt molding.

INSTALLATION

WEATHERSTRIP - RDB - OUTER



8196a414

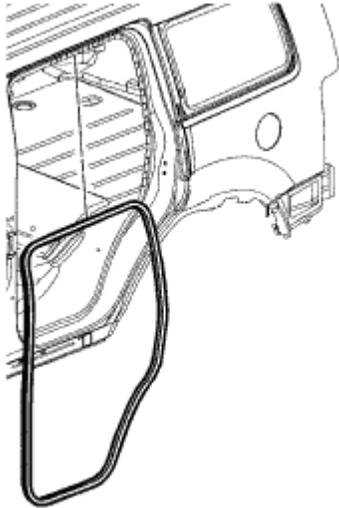
Fig. 612: Removing/Installing Outer Belt Molding
Courtesy of CHRYSLER LLC

1. Press the outer belt molding onto the outer door window flange starting at the rear and working forward.
2. Cycle the window to make sure the window doesn't bind on the outer belt molding.

WEATHERSTRIP - REAR DOOR

REMOVAL

WEATHERSTRIP - REAR DOOR



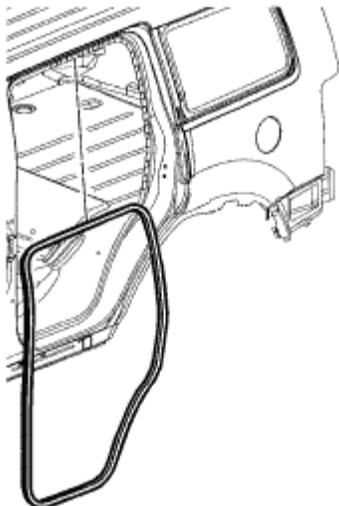
8196a006

Fig. 613: Rear Door Weatherstrip
Courtesy of CHRYSLER LLC

1. Open the rear door.
2. Remove weatherstrip from the body mount flange.

INSTALLATION

WEATHERSTRIP - REAR DOOR



8196a006

Fig. 614: Rear Door Weatherstrip
Courtesy of CHRYSLER LLC

NOTE: Position the seal to the bottom of the door opening, with bulb facing outboard, starting the installation at the center of the lower flange. Press the seal onto the sill flange and work around the perimeter of the door opening until fully seated. Work 1/2 the way around and then start at the other end of the seal working back, making sure the splice joint has no gap and smoothing the seal to avoid puckers or wrinkles. If in extreme cold temperatures preheating the weatherstrip to 23.8°C (75°F) may be required to fully seat the weatherstrip.

1. Install the weatherstrip to the body mount flange.
2. Trim the weatherstrip if necessary, and connect the ends together along the flange.

WEATHERSTRIP - RD - MOUNTED

REMOVAL

WEATHERSTRIP - RD - MOUNTED

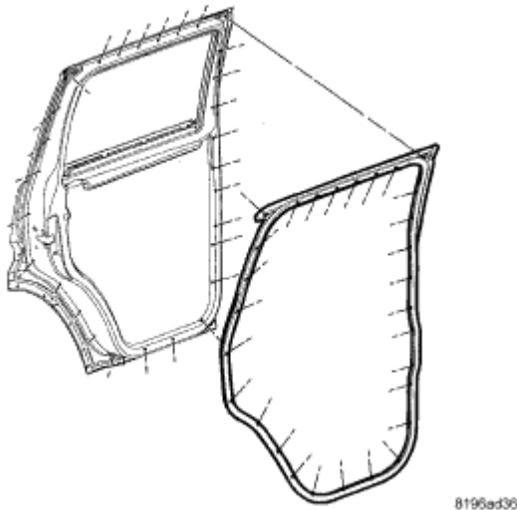


Fig. 615: Rear Door Mounted Weatherstrip
Courtesy of CHRYSLER LLC

1. Carefully remove the plastic hook style clips on the weatherstrip from the door and remove the seal from the door.

INSTALLATION

WEATHERSTRIP - RD - MOUNTED

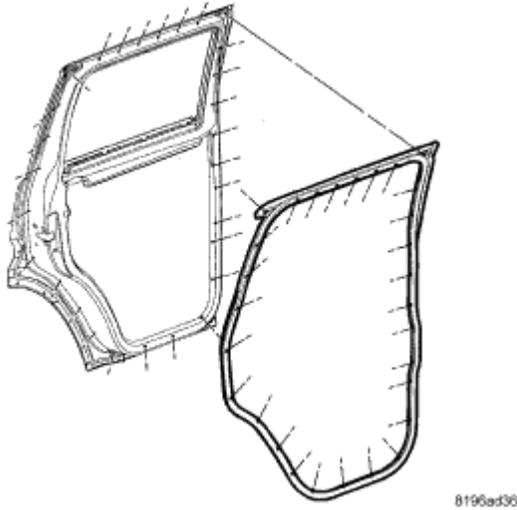


Fig. 616: Rear Door Mounted Weatherstrip
Courtesy of CHRYSLER LLC

1. Position the seal correctly and install the plastic hook style clips on the weatherstrip to the door.

BODY STRUCTURE

GAP AND FLUSH

SPECIFICATIONS

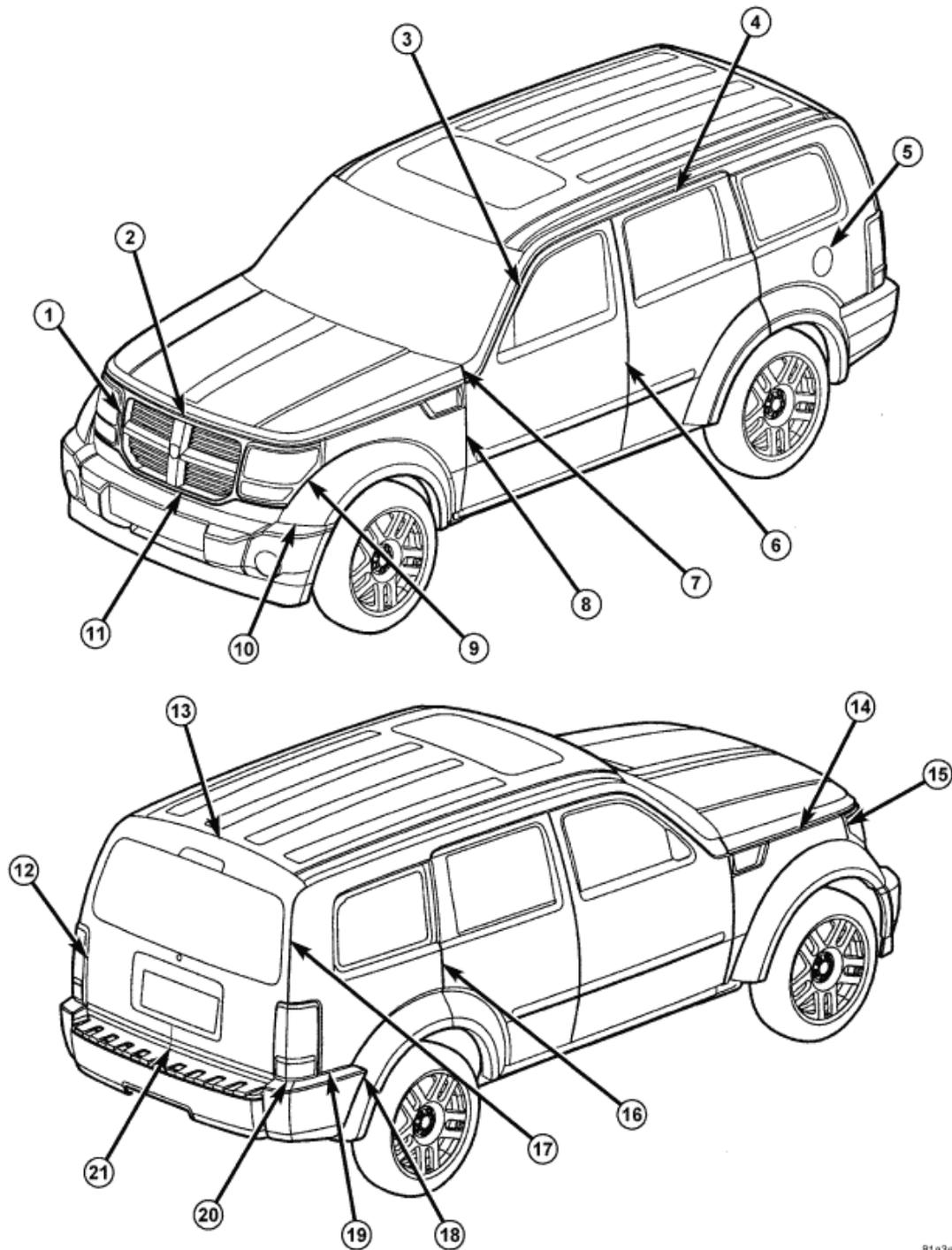
GAP AND FLUSH

INDEX

DESCRIPTION	FIGURE
BODY GAP AND FLUSH	<u>Fig. 617.</u>

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a3ee31

Fig. 617: Gap And Flush
 Courtesy of CHRYSLER LLC

NOTE: All dimensions are in millimeters.

DIMENSION	DESCRIPTION	GAP	FLUSH

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

1	Headlamp to Grille	2.0 +/- 2.0 Parallel within 1.5	U/F -1.0 +/- 2.0 Parallel within 2.0
2	Grille to Hood	7.0 +/- 2.0 Parallel within 1.5	U/F -2.0 +/- 2.0 Parallel within 2.0
3	Front Door to Body Side	4.5 +/- 1.5 Except 7.0 +/- 1.5 @ Front A-pillar Parallel within 1.5	U/F 1.5 +/- 1.5 Parallel within 1.5
4	Rear Door to Body Side @ Roof	4.5 +/- 1.5 Parallel within 1.5	U/F 1.5 +/- 1.5 Parallel within 1.5
5	Fuel Filler Door to Body Side	3.0 +/- 1.0 Parallel within 1.0	U/F -0.5 +/- 1.0 Parallel within 1.0
6	Front Door to Rear Door	4.5 +/- 1.5 Parallel within 1.5	0.0 +/- 1.5 Parallel within 1.5
7	Hood to Body Side	4.5 +/- 1.5 Parallel within 1.5	O/F 0.5 +/- 1.5 Parallel within 1.5
8	Fender to Front Door	4.5 +/- 1.5 Parallel within 1.5	O/F 1.0 +/- 1.5 Parallel within 1.5
9	Fender Flare to Grille	4.0 +/- 2.0 Parallel within 2.0	--
10	Fender Flare to Front Fascia	3.0 +/- 2.0 Parallel within 2.0	--
11	Front Fascia to Grille	4.0 +/- 2.0 Parallel within 2.0	U/F -1.0 +/- 2.0 Parallel within 2.0
12	Tail Lamp to Lift Gate	4.0 +/- 2.0 Parallel within 2.0	--
13	Lift Gate to Roof	9.0 +/- 1.5 Parallel within 1.5	U/F -1.5 +/- 1.5 Parallel within 1.5
14	Hood to Fender	1.0 +/- 1.5 Parallel within 1.5	O/F 1.0 +/- 1.5 Parallel within 1.5
15	Grille to Fender	0.0 +1.0/-0.0	U/F -1.0 +/- 1.5 Parallel within 2.0
16	Rear Door to Body Side	4.5 +/- 1.5 Parallel within 1.5	0.0 +/- 1.5 Parallel within 1.5
17	Lift Gate to Body Side	4.0 +/- 1.0 Parallel within 1.0	U/F -2.0 +/- 1.5 Parallel within 1.5
18	Rear Fascia to Rear Wheel Flare	3.0 +/- 2.0 Parallel within 2.0	--
19	Rear Fascia to Body Side	0.0 +1.0/-0.0	--
20	Tail Lamp to Rear Fascia	3.0 +/- 2.0	--
21	Lift Gate to Rear Fascia	Cross/Car 4.0 +/- 2.0 Parallel within 2.0 Up/Down 8.0 +/- 2.0 Parallel within 2.0	--

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

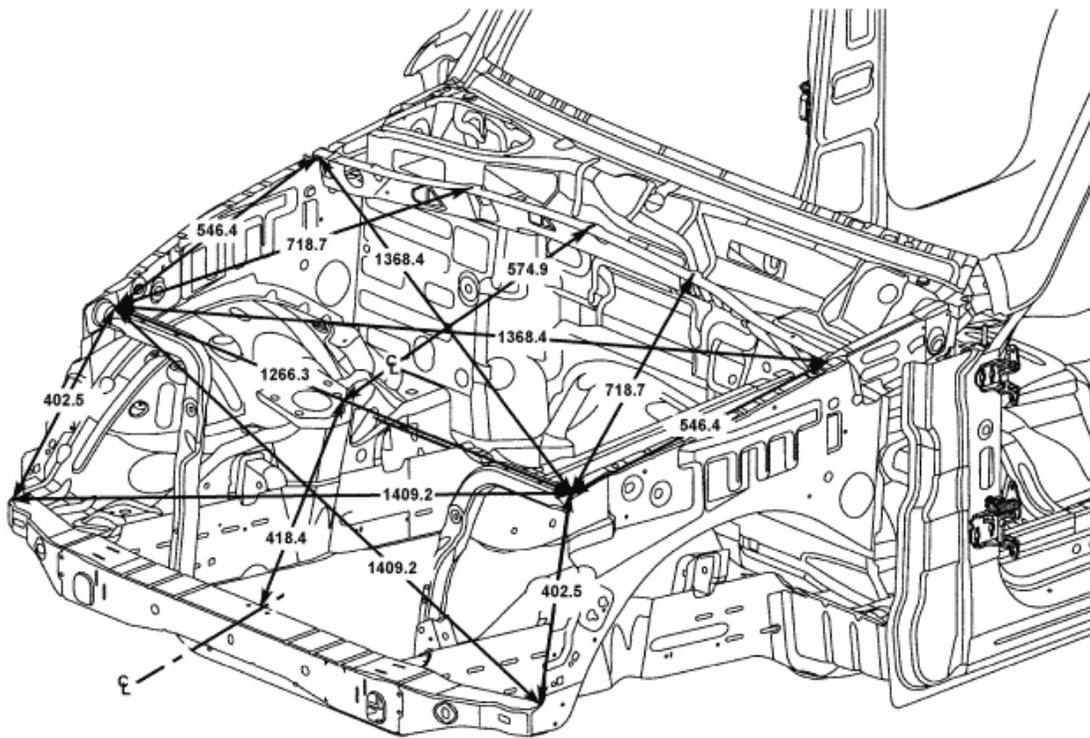
OPENING DIMENSIONS

SPECIFICATIONS

OPENING DIMENSIONS

INDEX

DESCRIPTION	FIGURE
ENGINE BOX	<u>Fig. 618.</u>
FRONT DOOR OPENING	<u>Fig. 619.</u>
LIFT GATE OPENING	<u>Fig. 620.</u>
LIFT GATE WINDOW OPENING	<u>Fig. 621.</u>
QUARTER WINDOW OPENING	<u>Fig. 622.</u>
REAR DOOR OPENING	<u>Fig. 623.</u>
WINDSHIELD OPENING	<u>Fig. 624.</u>



ALL DIMENSIONS ARE IN MILLIMETERS

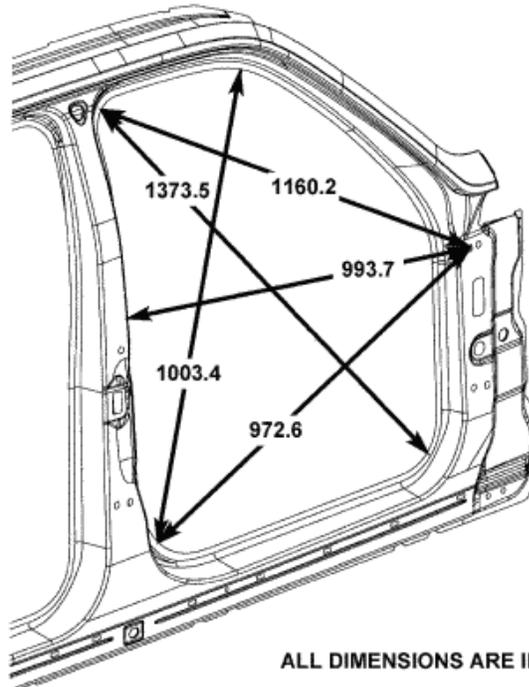
91a8970

Fig. 618: Engine Box

Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

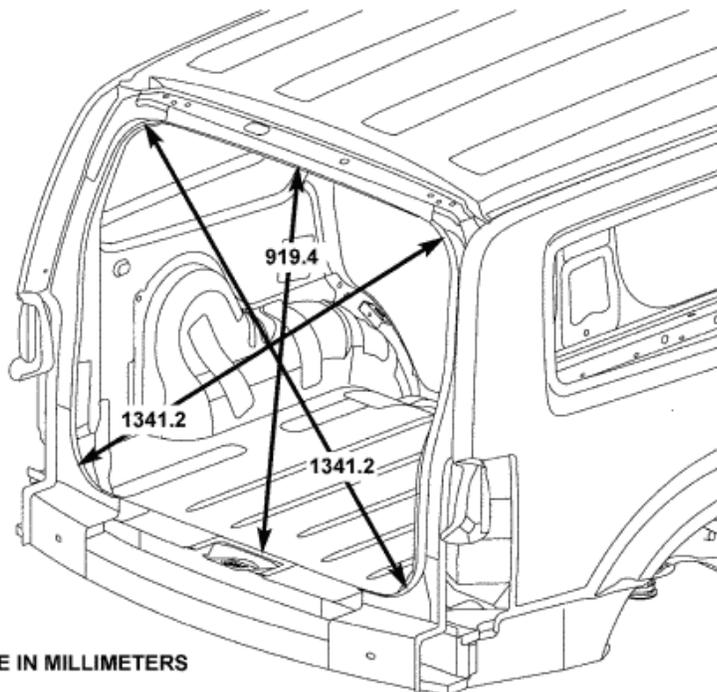
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



ALL DIMENSIONS ARE IN MILLIMETERS

81a8f375

Fig. 619: Front Door Opening
Courtesy of CHRYSLER LLC



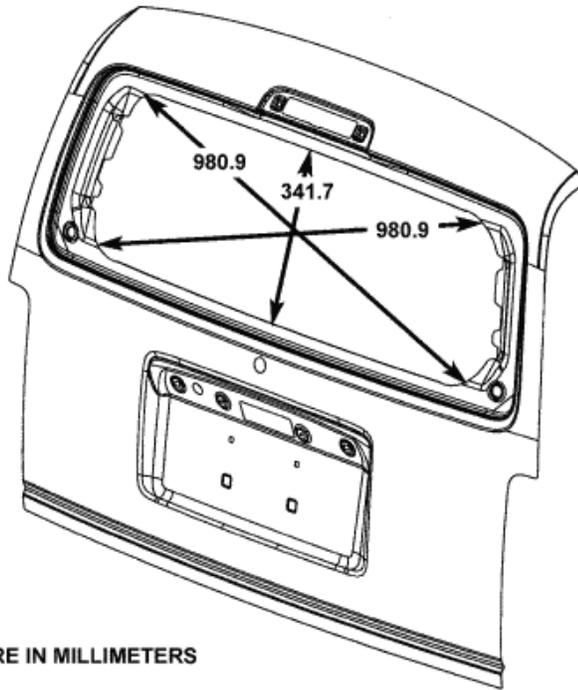
ALL DIMENSIONS ARE IN MILLIMETERS

81a8f37e

Fig. 620: Lift Gate Opening
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

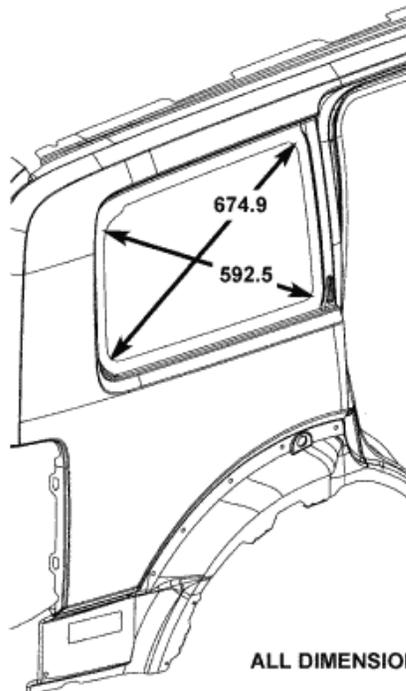
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



ALL DIMENSIONS ARE IN MILLIMETERS

61a8f384

Fig. 621: Lift Gate Window Opening
Courtesy of CHRYSLER LLC



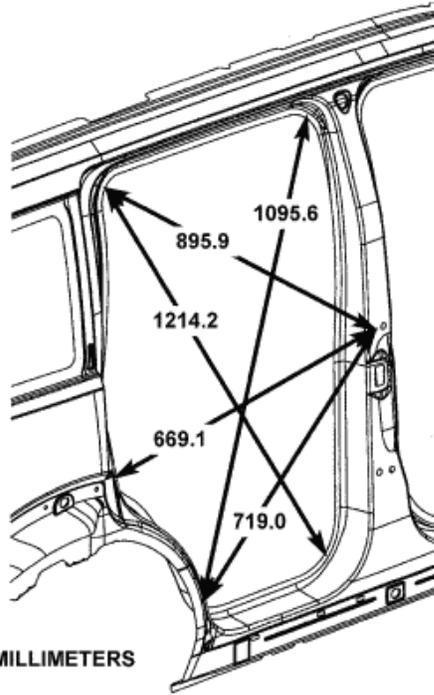
ALL DIMENSIONS ARE IN MILLIMETERS

61a8f389

Fig. 622: Quarter Window Opening
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

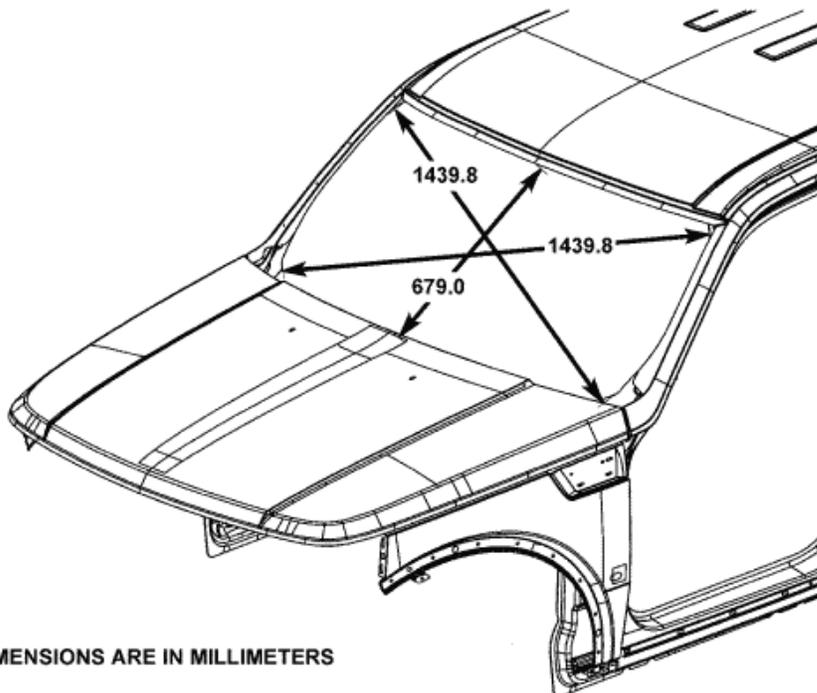
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



ALL DIMENSIONS ARE IN MILLIMETERS

61a8f38d

Fig. 623: Rear Door Opening
Courtesy of CHRYSLER LLC



ALL DIMENSIONS ARE IN MILLIMETERS

61a8f391

Fig. 624: Windshield Opening
Courtesy of CHRYSLER LLC

SEALER LOCATIONS

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

SPECIFICATIONS

SEALER LOCATIONS

INDEX

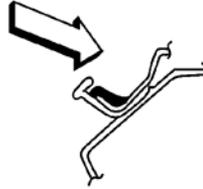
DESCRIPTION	FIGURE
SEALER APPLICATION METHODS	<u>Fig. 625.</u>
A - PILLAR REINFORCEMENT TO BODY SIDE APERTURE AND PLENUM	<u>Fig. 626.</u>
BODY SIDE APERTURE TO ROOF	<u>Fig. 627.</u>
BODY SIDE INNER TO REAR WHEELHOUSE OUTER/INNER	<u>Fig. 628.</u>
DASH TO FRONT FLOOR PAN	<u>Fig. 629.</u>
FRONT FLOOR PAN AND BODY SIDE SILL AND COWL SIDE	<u>Fig. 630.</u>
FLOOR PAN TO BODY SIDE SILL	<u>Fig. 631.</u>
FRONT FLOOR PAN TO REAR FLOOR PAN	<u>Fig. 632.</u>
LIFT GATE DRAIN TROUGH TO BODY SIDE APERTURE	<u>Fig. 633.</u>
LIFT GATE DRAIN TROUGH TO TAIL LAMP OPENING	<u>Fig. 634.</u>
LOWER DASH TO FRONT FLOOR PAN AND COWL SIDE	<u>Fig. 635.</u>
REAR FLOOR PAN TO BODY INNER AND "D" PILLAR REINFORCEMENT	<u>Fig. 636.</u>
REAR FLOOR PAN TO REAR WHEELHOUSE PANEL	<u>Fig. 637.</u>
REAR WHEELHOUSE OUTER FRONT AND REAR PANEL	<u>Fig. 638.</u>
TAIL LAMP CAN	<u>Fig. 639.</u>
TAIL LAMP MOUNTING TO BODY SIDE APERTURE	<u>Fig. 640.</u>
UPPER DASH TO LOWER PLENUM PANEL	<u>Fig. 641.</u>
UPPER DASH TO PLENUM TO COWL SIDE	<u>Fig. 642.</u>
UPPER PLENUM BAFFLE	<u>Fig. 643.</u>
WHEELHOUSE OUTER TO BODY SIDE OUTER	<u>Fig. 644.</u>

2007 Dodge Nitro R/T

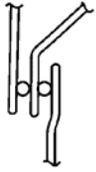
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



HOLD GUN NOZZLE IN DIRECTION OF ARROW IN ORDER TO EFFECTIVELY SEAL METAL JOINTS.



DO NOT HOLD GUN NOZZLE IN DIRECTION OF ARROW. SEALER APPLIED AS SHOWN IN INEFFECTIVE.



3 METAL THICKNESS



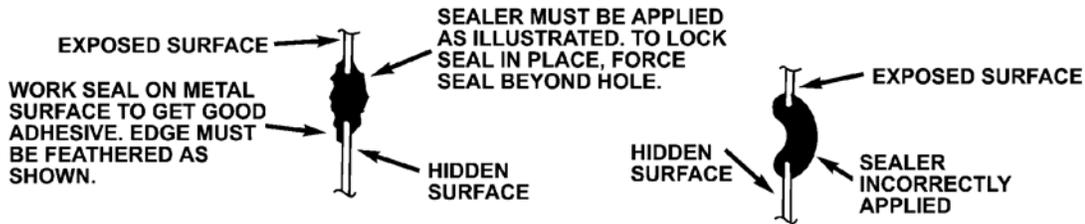
2 METAL THICKNESS



3 METAL THICKNESS



2 METAL THICKNESS



SYMBOLS



SEALANT



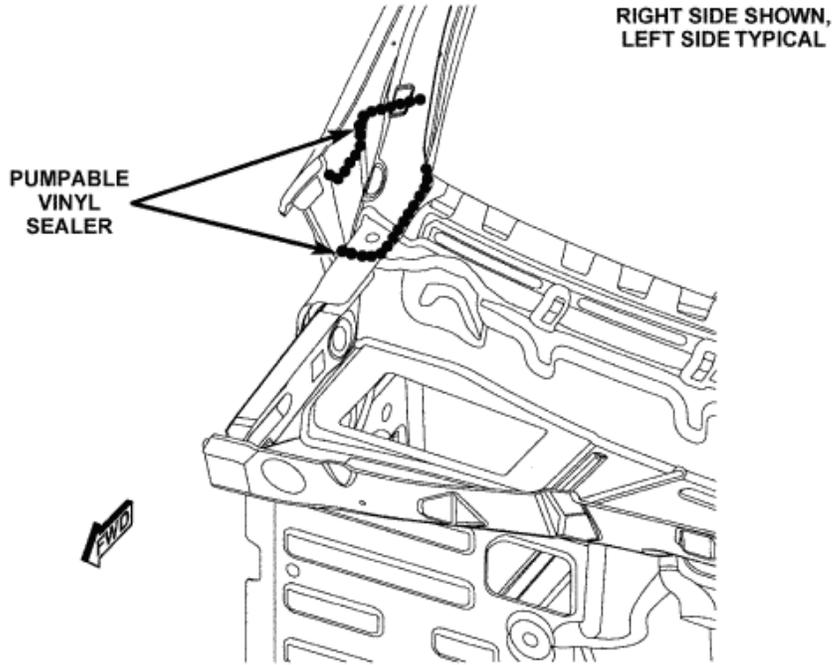
HIDDEN SEALANT

80cb512e

Fig. 625: Application Methods
Courtesy of CHRYSLER LLC

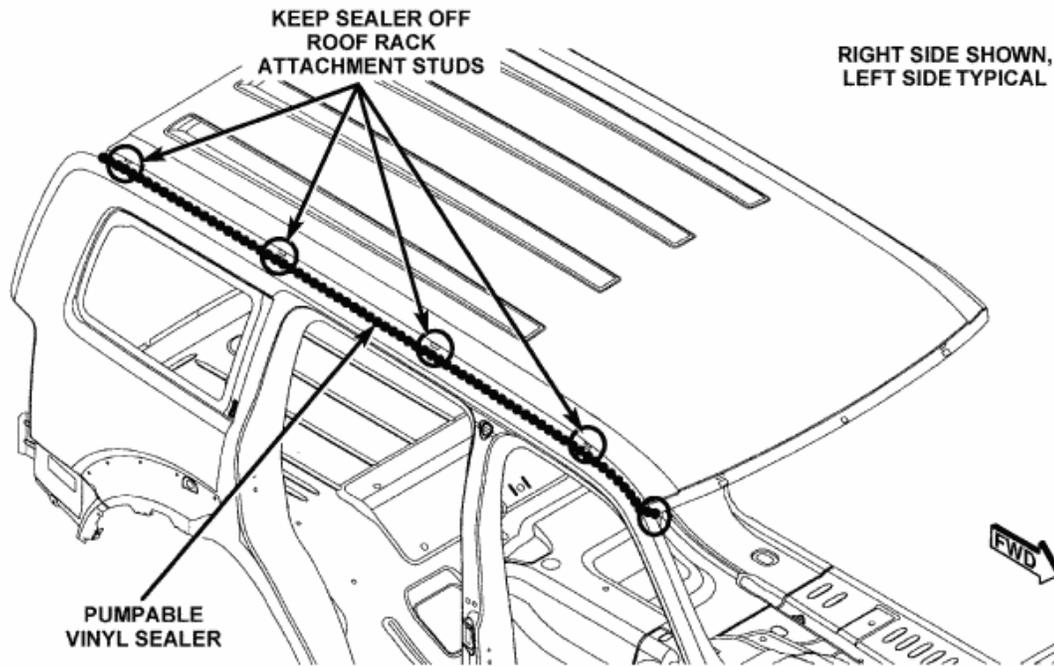
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8e847

Fig. 626: A - Pillar Reinforcement To Body Side Aperture And Plenum
Courtesy of CHRYSLER LLC



81a8e84b

Fig. 627: Body Side Aperture To Roof
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

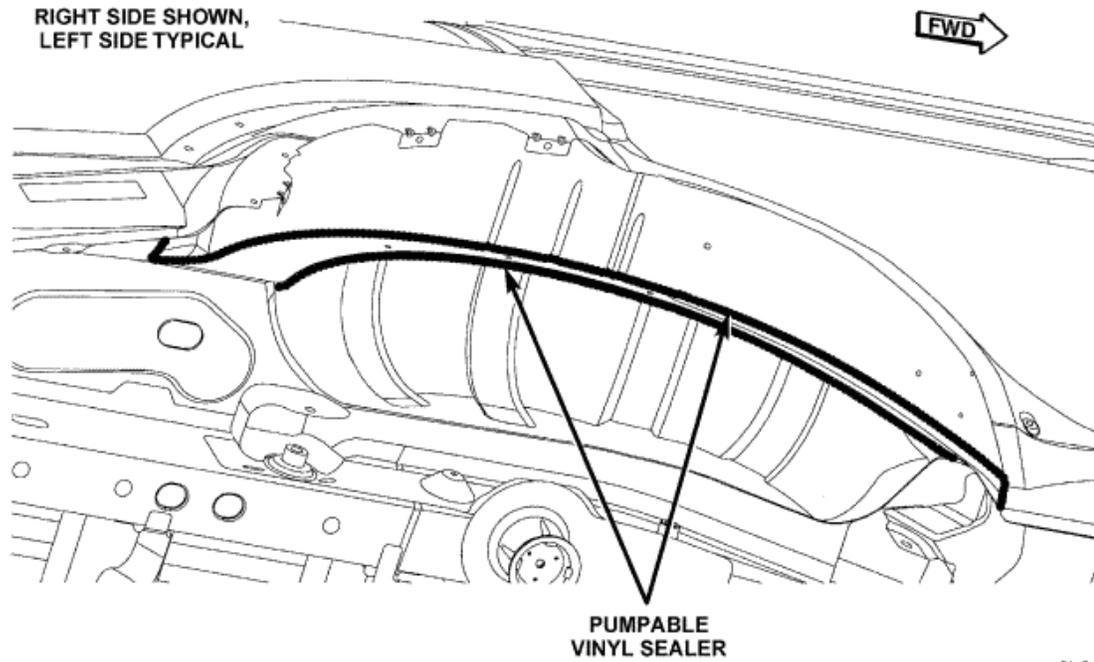


Fig. 628: Body Side Inner To Rear Wheelhouse Outer/Inner
Courtesy of CHRYSLER LLC

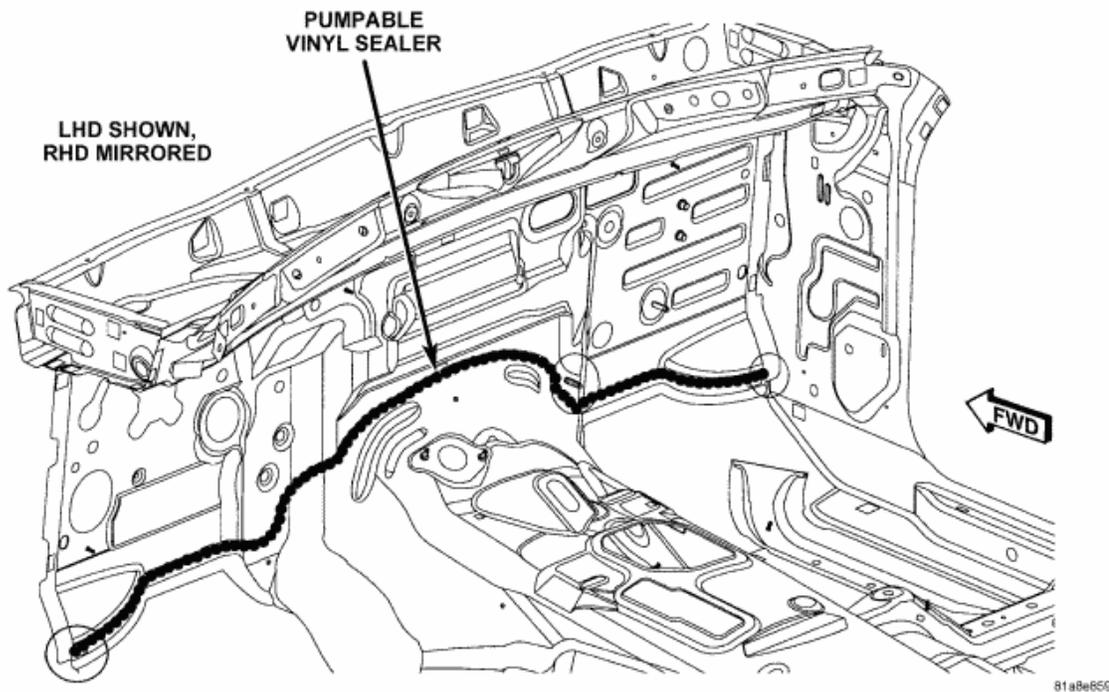


Fig. 629: Dash To Front Floor Pan
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

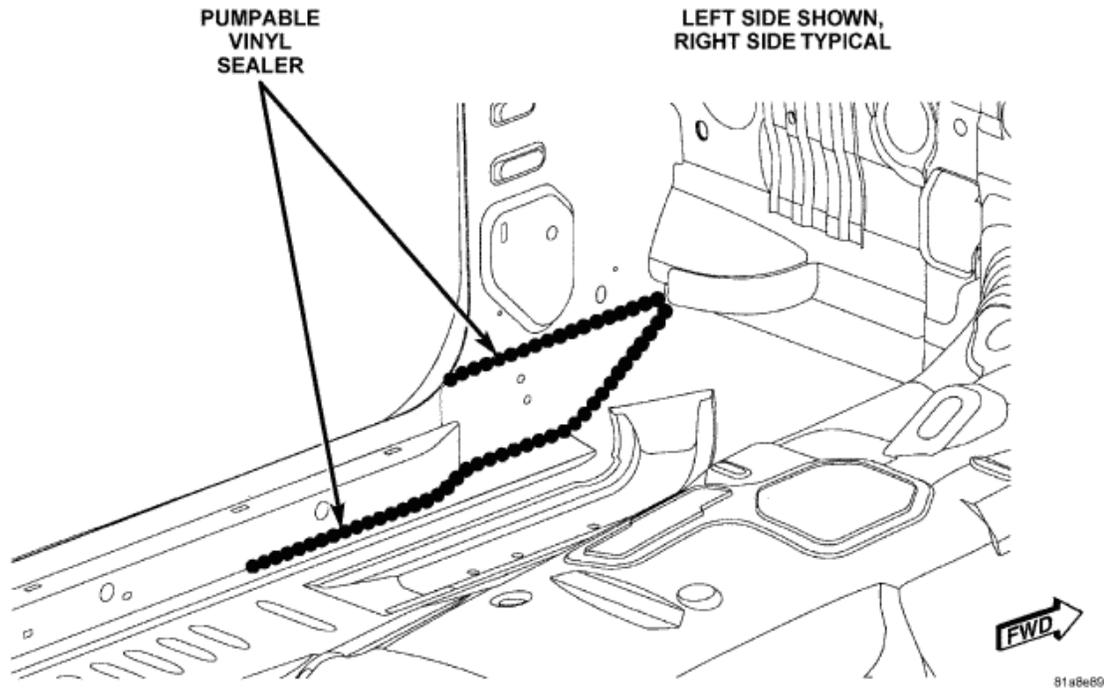


Fig. 630: Front Floor Pan And Body Side Sill And Cowl Side
Courtesy of CHRYSLER LLC

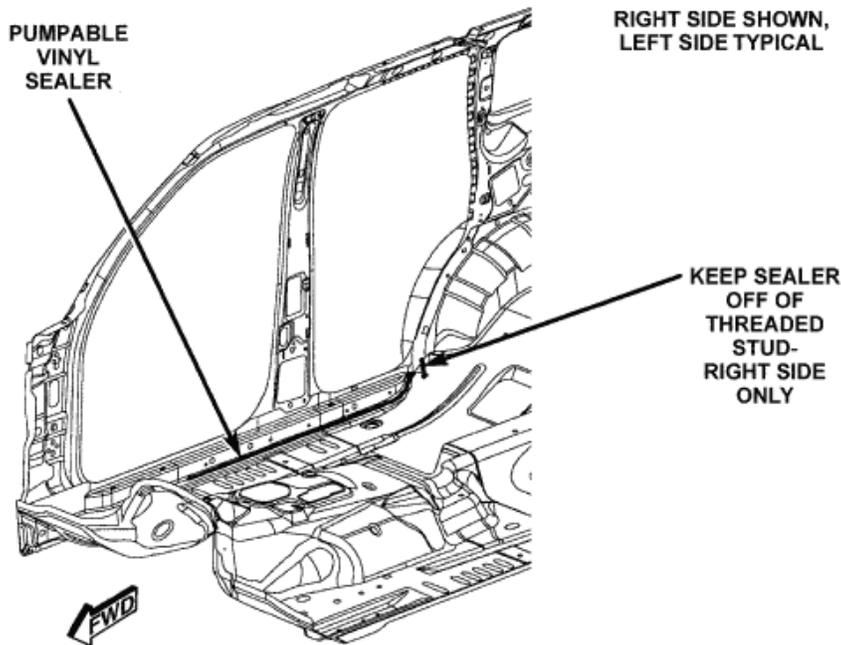
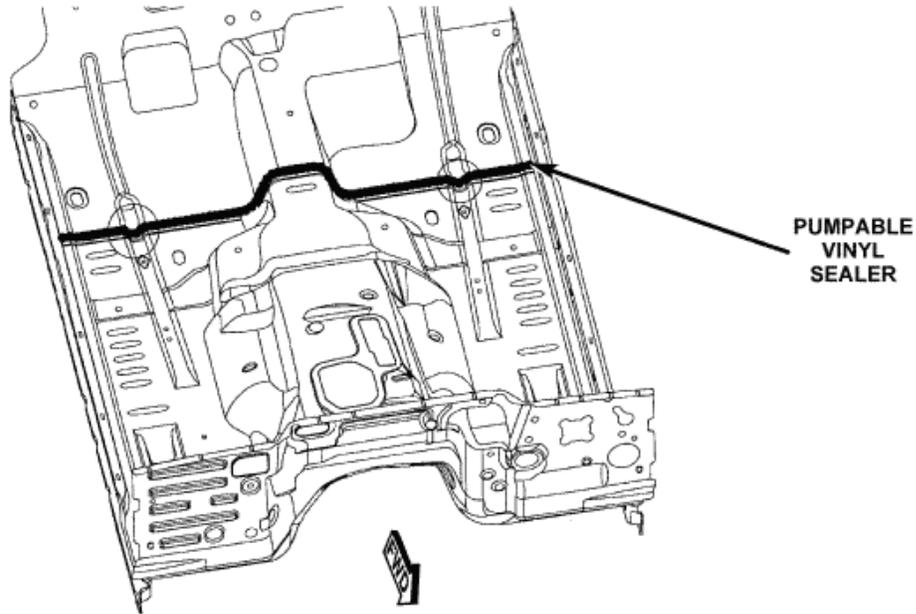


Fig. 631: Floor Pan To Body Side Sill
Courtesy of CHRYSLER LLC

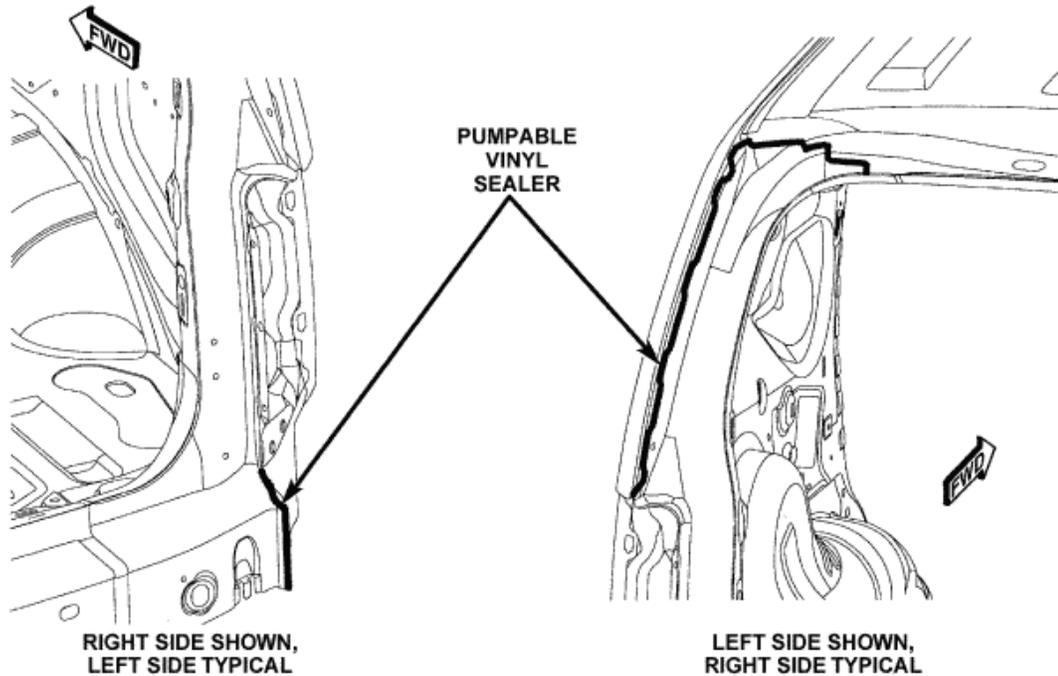
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81aBe699

Fig. 632: Front Floor Pan To Rear Floor Pan
Courtesy of CHRYSLER LLC

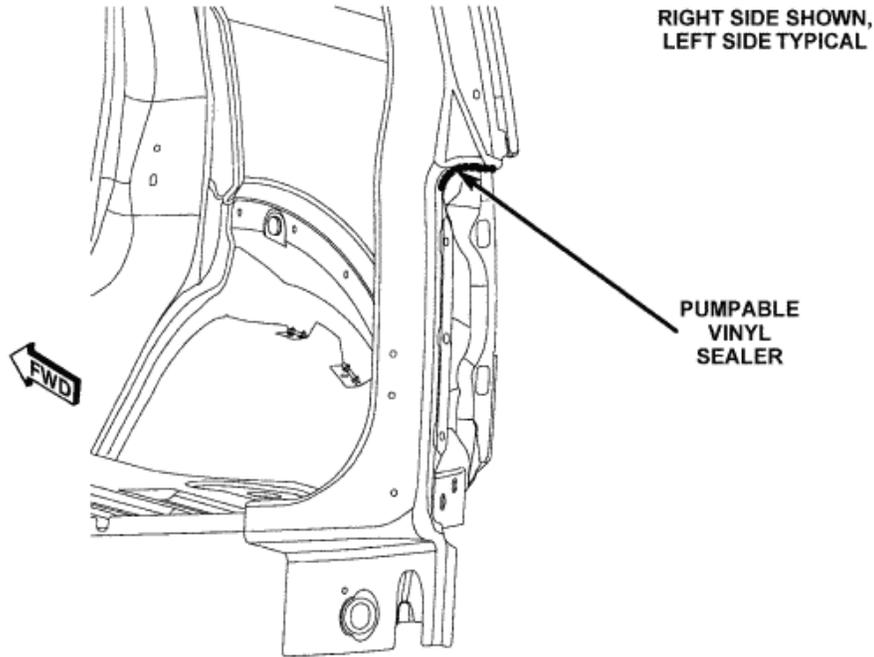


81aBe69d

Fig. 633: Lift Gate Drain Trough To Body
Courtesy of CHRYSLER LLC

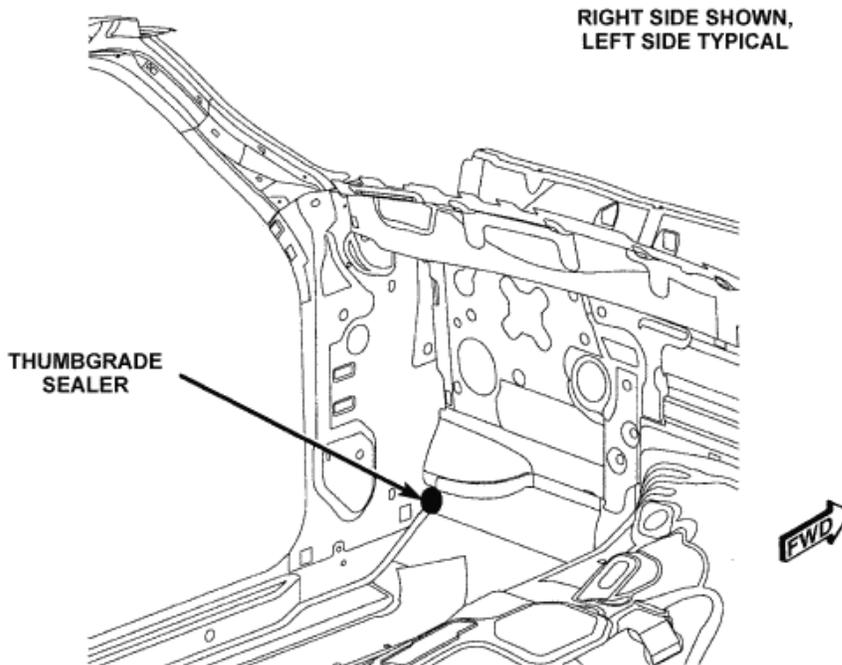
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8e8a3

Fig. 634: Lift Gate Drain Trough To Tail Lamp Opening
Courtesy of CHRYSLER LLC

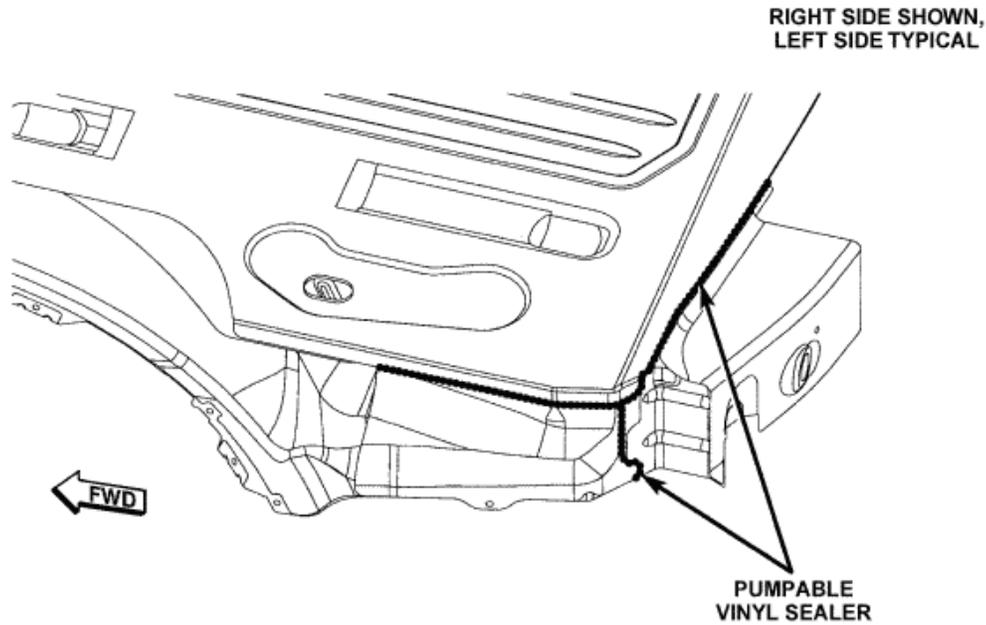


81a8e8b6

Fig. 635: Lower Dash To Front Floor Pan And Cowl Side
Courtesy of CHRYSLER LLC

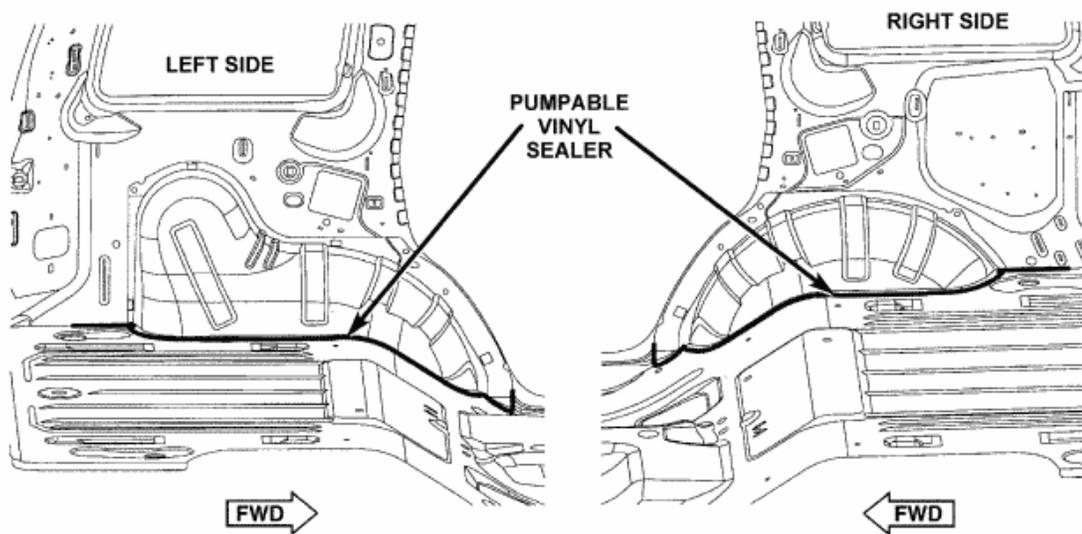
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8e8ba

Fig. 636: Rear Floor Pan To Body Inner And D Pillar Reinforcement
Courtesy of CHRYSLER LLC



81a8e8cf

Fig. 637: Rear Floor Pan To Rear Wheelhouse Panel
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

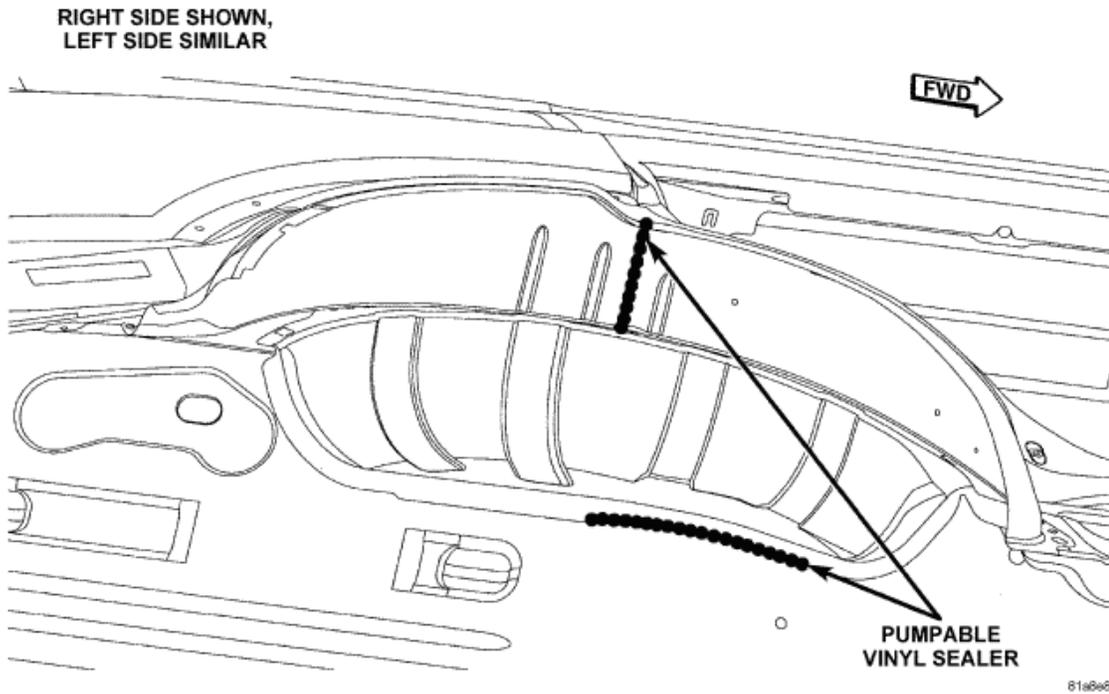


Fig. 638: Rear Wheelhouse Outer Front And Rear Panel
Courtesy of CHRYSLER LLC

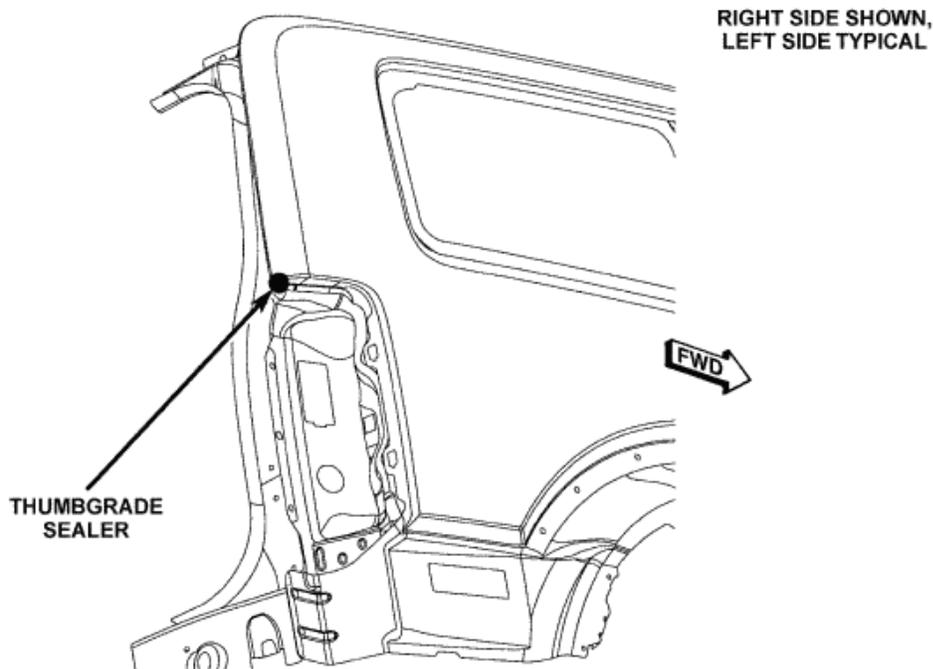
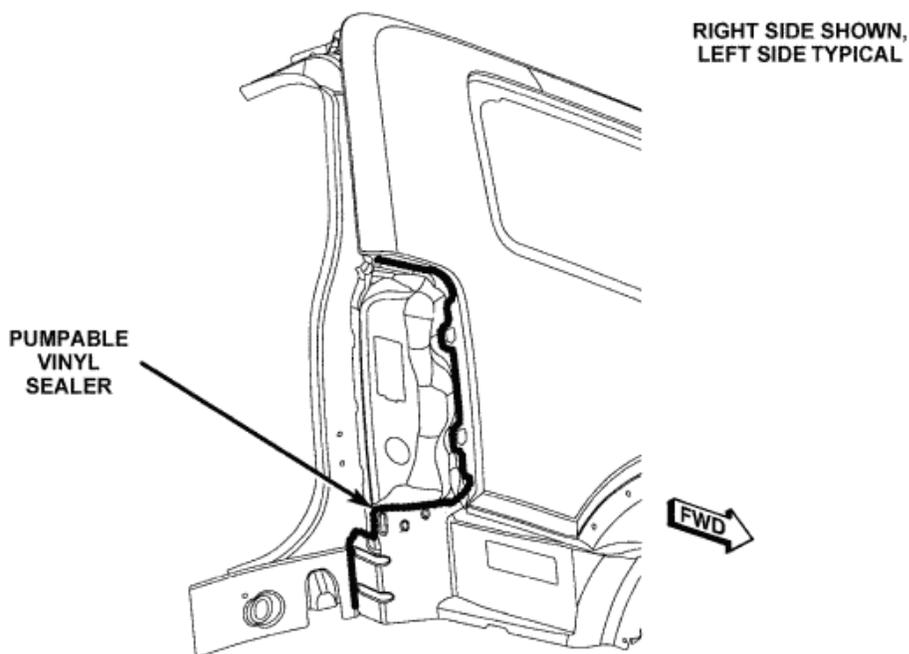


Fig. 639: Tail Lamp Can
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

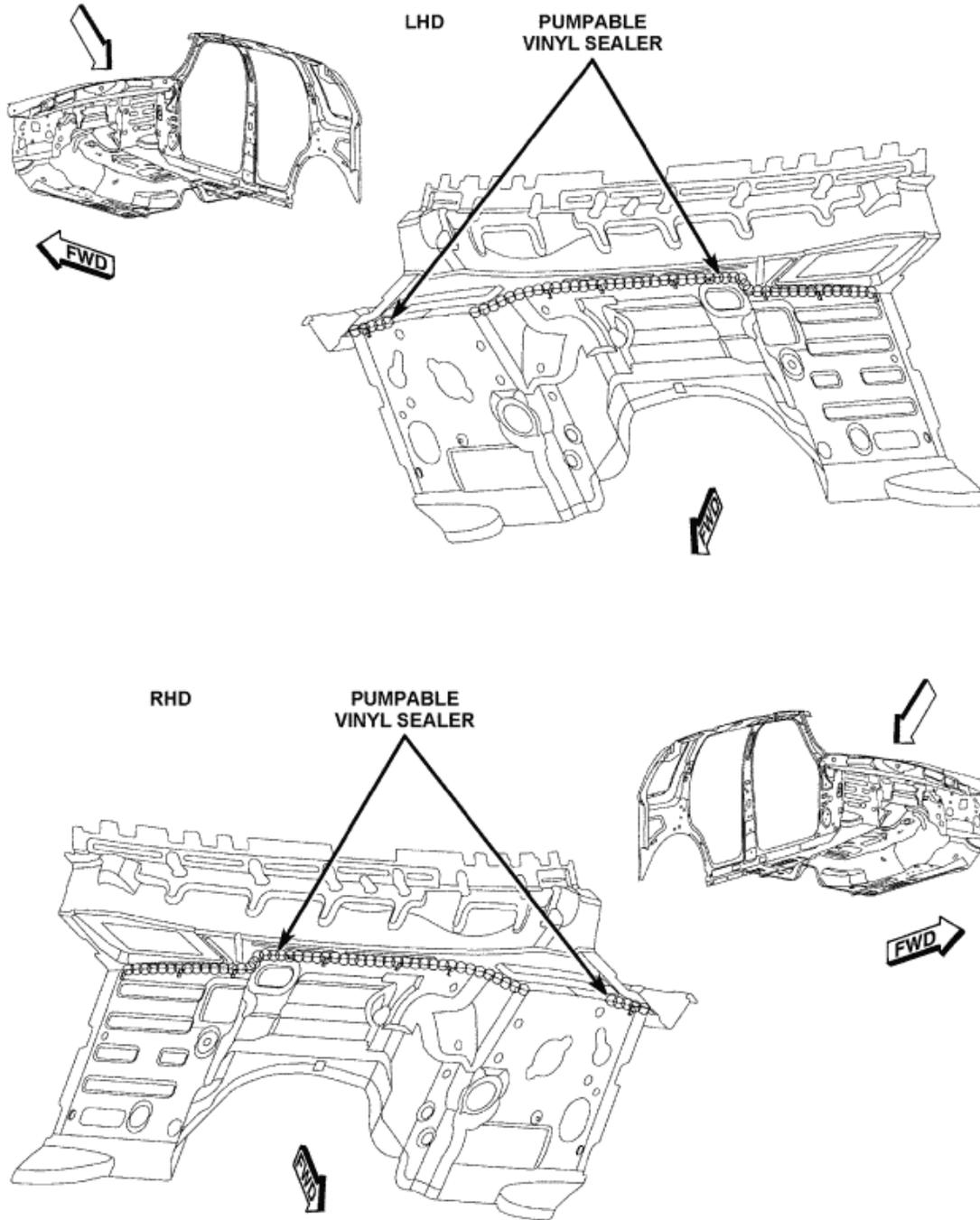


61a8e8ec

Fig. 640: Tail Lamp Mounting To Body Side Aperture
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



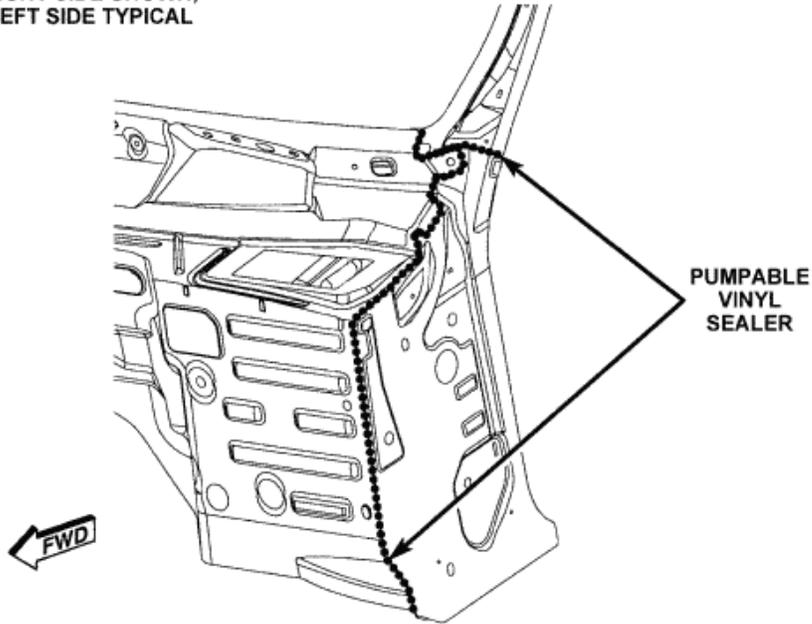
81a8ed24

Fig. 641: Upper Dash To Lower Plenum Panel
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

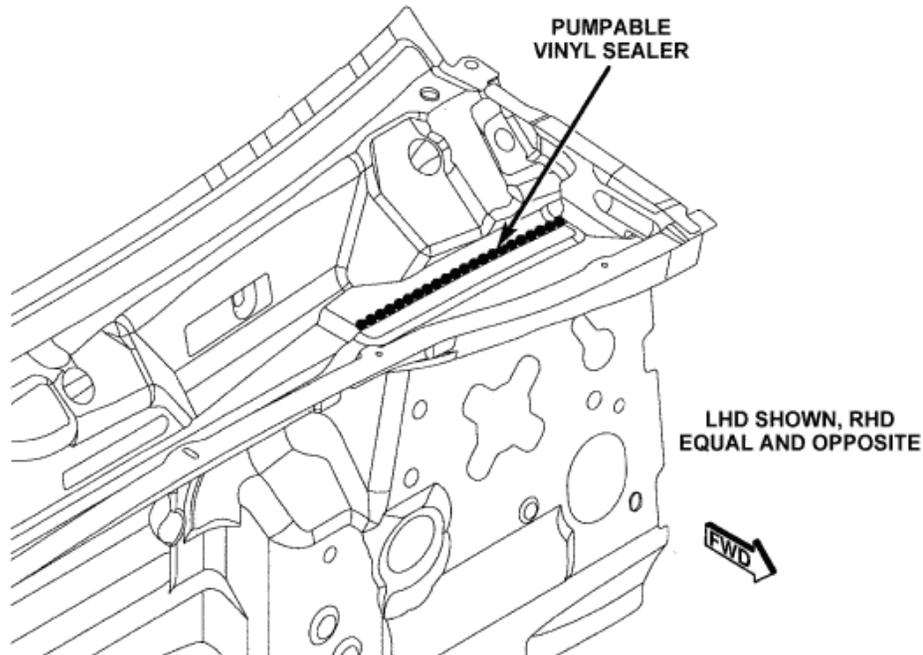
2007 ACCESSORIES AND EQUIPMENT Body - Nitro

RIGHT SIDE SHOWN,
LEFT SIDE TYPICAL



81a8e8f4

Fig. 642: Upper Dash To Plenum To Cowl Side
Courtesy of CHRYSLER LLC

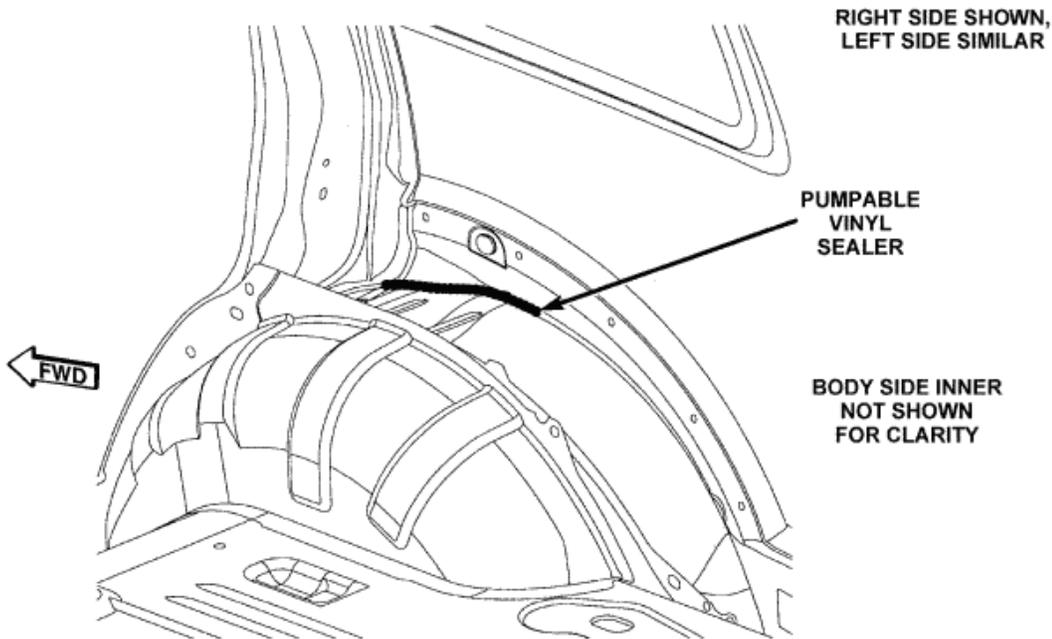


81a8e8fe

Fig. 643: Upper Plenum Baffle
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8e904

Fig. 644: Wheelhouse Outer To Body Side Outer
Courtesy of CHRYSLER LLC

STRUCTURAL ADHESIVE LOCATIONS

SPECIFICATIONS

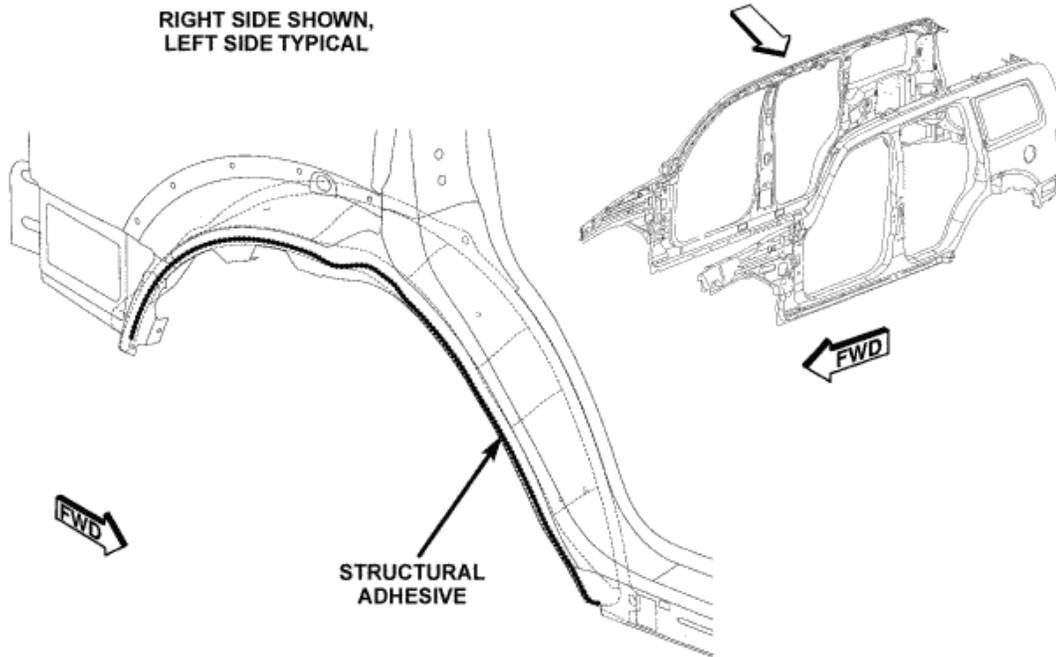
STRUCTURAL ADHESIVE LOCATIONS

INDEX

DESCRIPTION	FIGURE
BODY SIDE APERTURE COMPLETE	<u>Fig. 645.</u>
BODY IN WHITE COMPLETE	<u>Fig. 646.</u>
BODY IN WHITE WITHOUT ROOF (1 OF 2)	<u>Fig. 647.</u>
BODY IN WHITE WITHOUT ROOF (2 OF 2)	<u>Fig. 648.</u>
FRONT FLOOR/DASH/PLENUM	<u>Fig. 649.</u>
OUTER BODY SIDE APERTURE	<u>Fig. 650.</u>
PLENUM ASSEMBLY	<u>Fig. 651.</u>
REAR FLOOR COMPLETE	<u>Fig. 652.</u>
SUNROOF	<u>Fig. 653.</u>
UNDER BODY COMPLETE (1 OF 3)	<u>Fig. 654.</u>
UNDER BODY COMPLETE (2 OF 3)	<u>Fig. 655.</u>
UNDER BODY COMPLETE (3 OF 3)	<u>Fig. 656.</u>

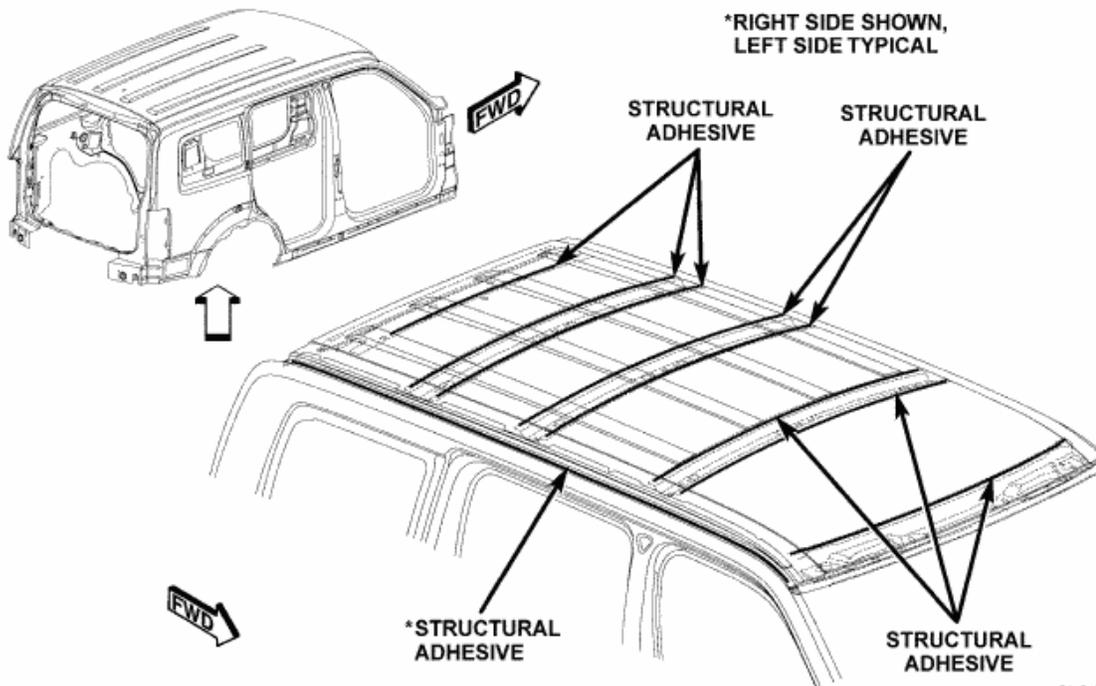
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8ef38

Fig. 645: Body Side Aperture Complete
Courtesy of CHRYSLER LLC

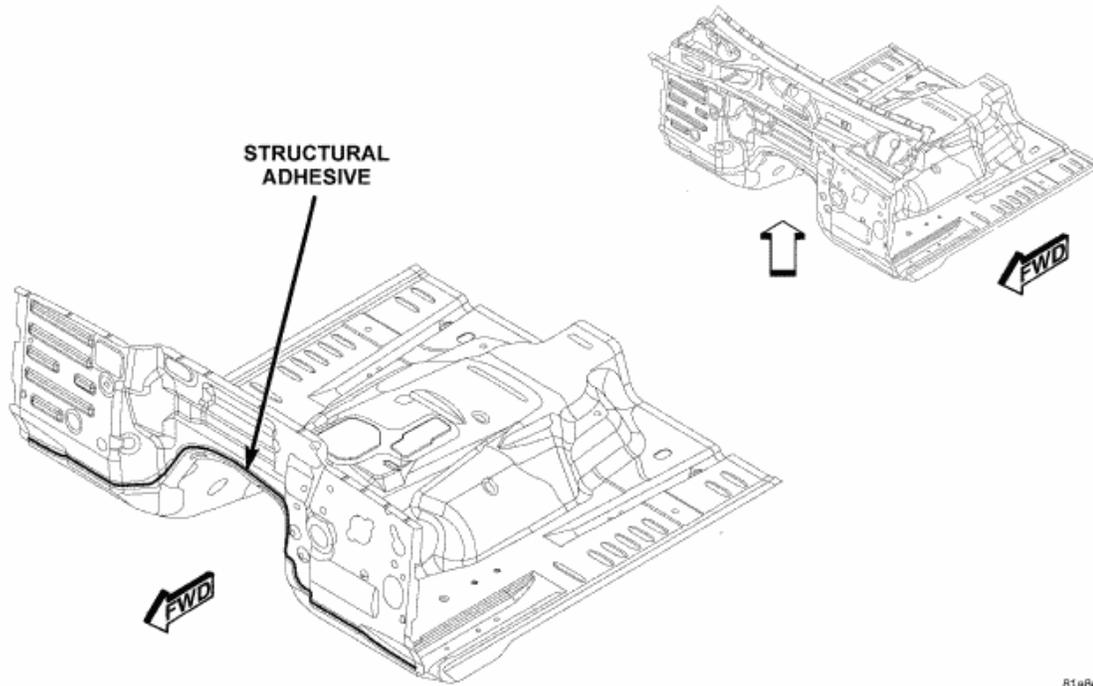


81a8ef3c

Fig. 646: Body In White Complete
Courtesy of CHRYSLER LLC

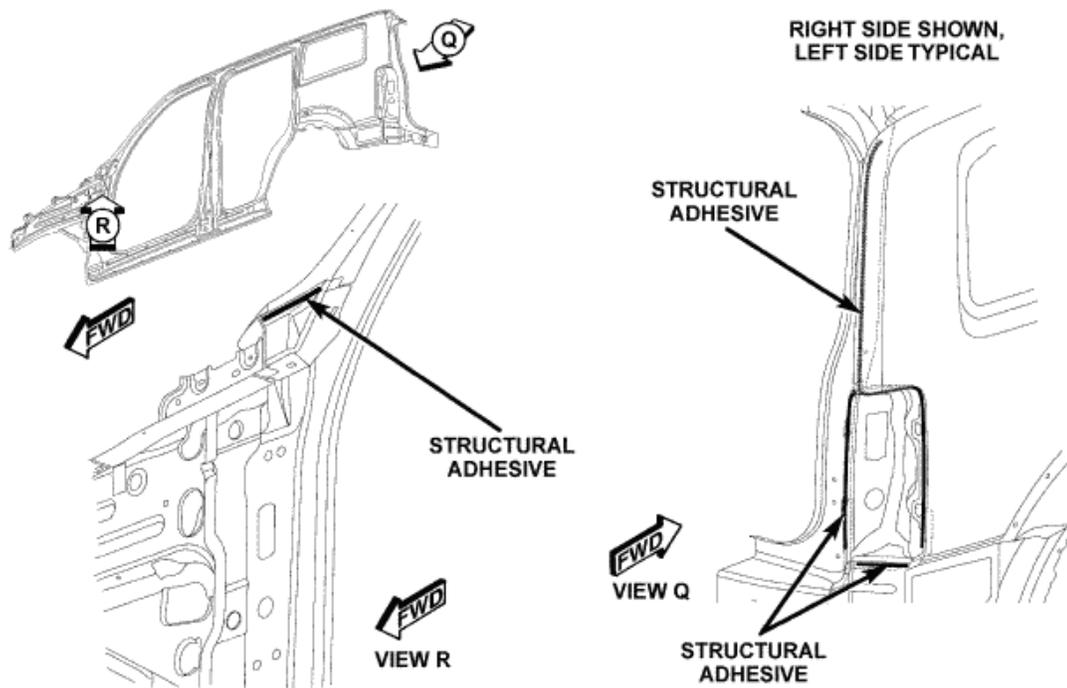
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8ef5a

Fig. 649: Front Floor/Dash/Plenum
Courtesy of CHRYSLER LLC



81a8ef53

Fig. 650: Outer Body Side Aperture Complete
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

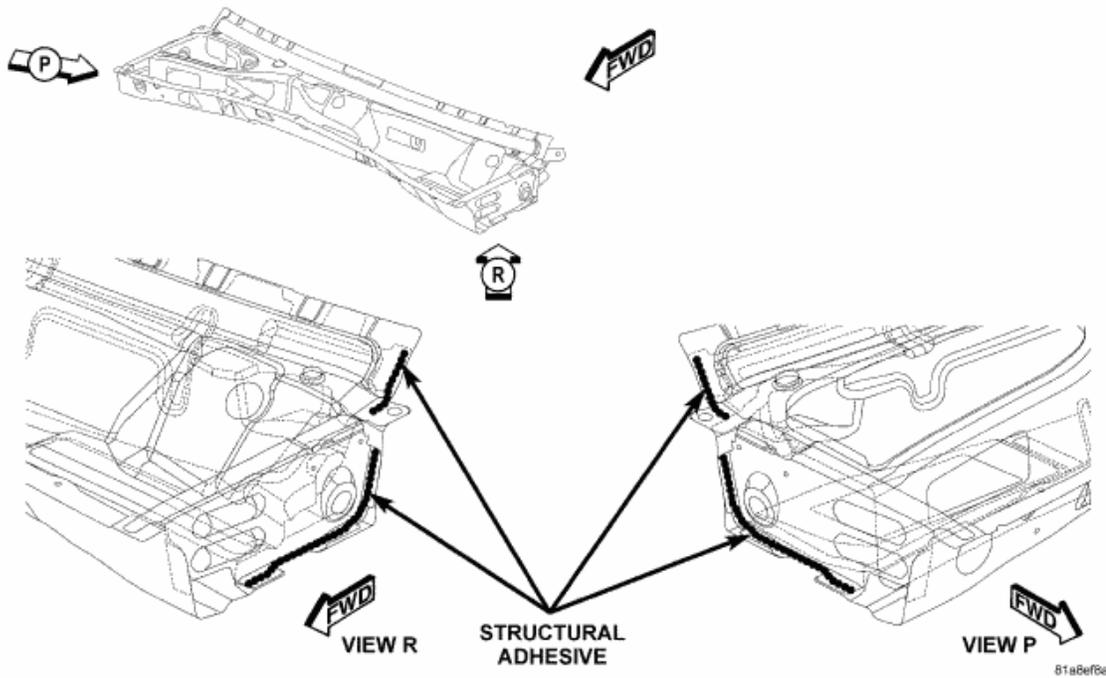


Fig. 651: Plenum Assembly
Courtesy of CHRYSLER LLC

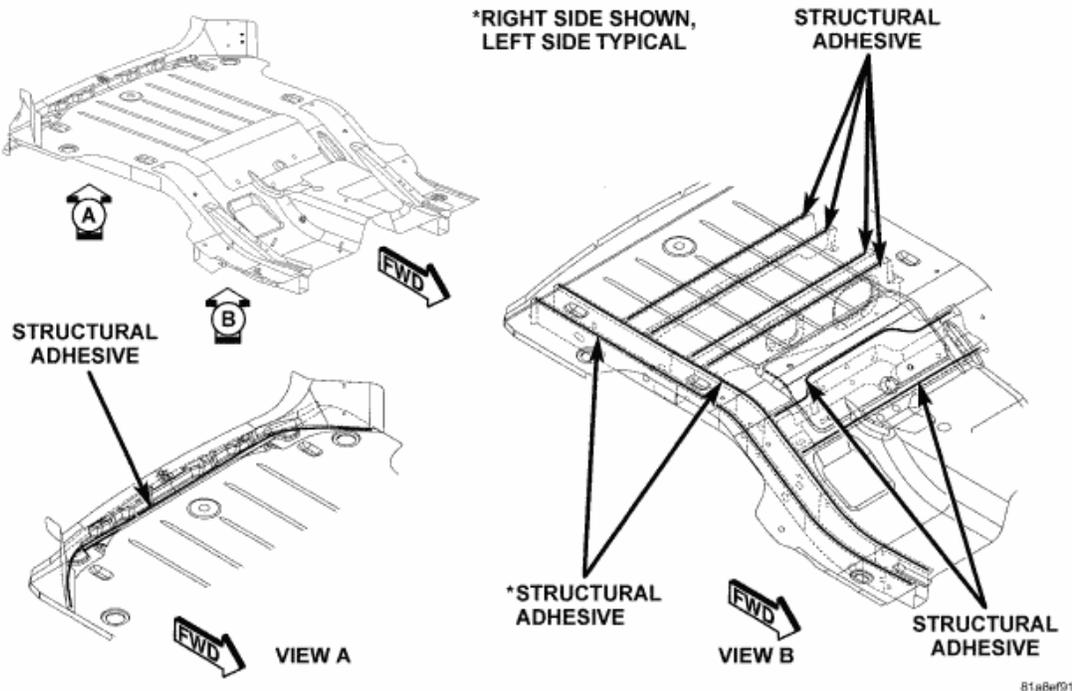
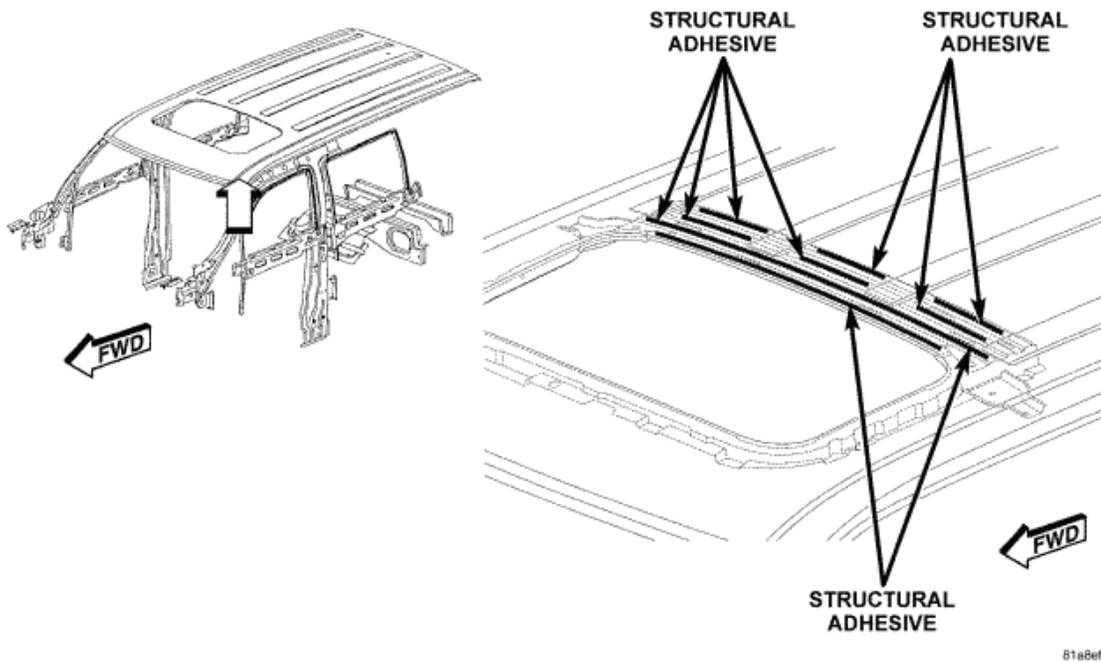


Fig. 652: Rear Floor Complete
Courtesy of CHRYSLER LLC

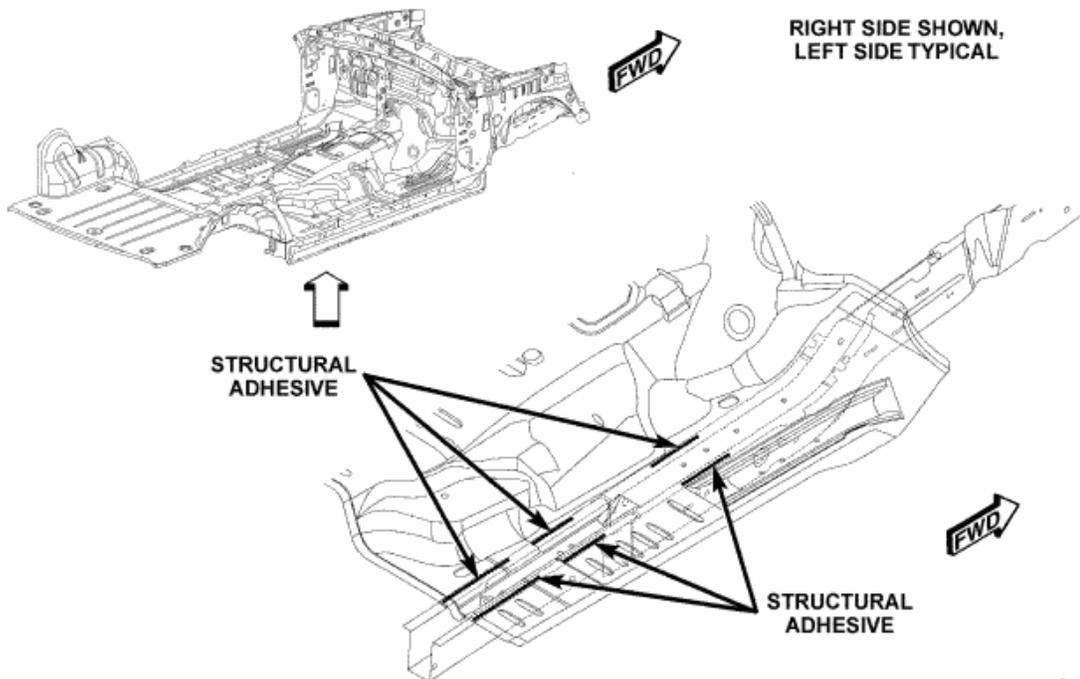
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8ef99

Fig. 653: Sunroof
Courtesy of CHRYSLER LLC

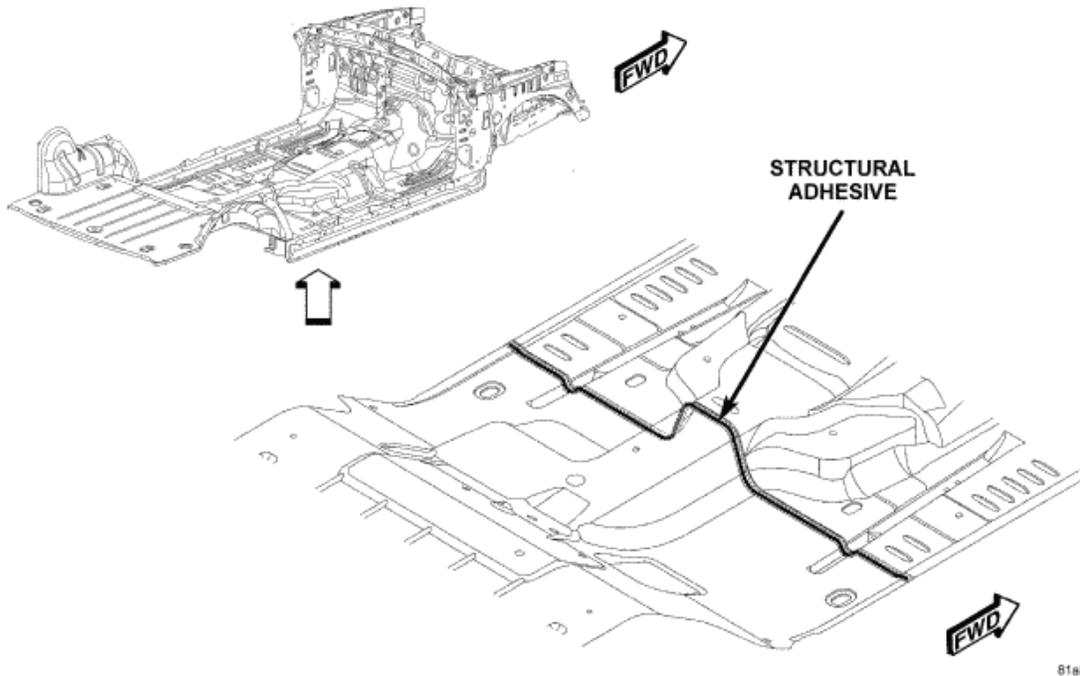


81a8efcc

Fig. 654: Under Body Complete (1 Of 3)
Courtesy of CHRYSLER LLC

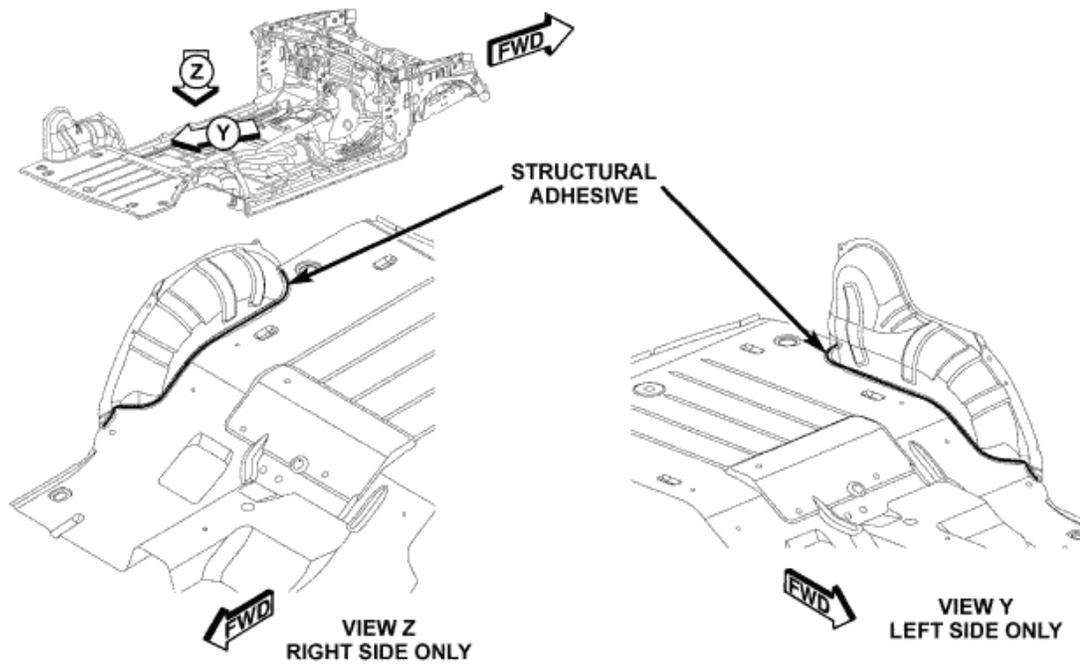
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8efe0

Fig. 655: Under Body Complete (2 Of 3)
Courtesy of CHRYSLER LLC



81a8efe4

Fig. 656: Under Body Complete (3 Of 3)
Courtesy of CHRYSLER LLC

WELD AND STRUCTURAL ADHESIVE LOCATIONS

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

SPECIFICATIONS**WELD AND STRUCTURAL ADHESIVE LOCATIONS****INDEX**

DESCRIPTION	FIGURE
FRONT RAILS (1 OF 10)	<u>Fig. 657.</u>
FRONT RAILS (2 OF 10)	<u>Fig. 658.</u>
FRONT RAILS (3 OF 10)	<u>Fig. 659.</u>
FRONT RAILS (4 OF 10)	<u>Fig. 660.</u>
FRONT RAILS (5 OF 10)	<u>Fig. 661.</u>
FRONT RAILS (6 OF 10)	<u>Fig. 662.</u>
FRONT RAILS (7 OF 10)	<u>Fig. 663.</u>
FRONT RAILS (8 OF 10)	<u>Fig. 664.</u>
FRONT RAILS (9 OF 10)	<u>Fig. 665.</u>
FRONT RAILS (10 OF 10)	<u>Fig. 666.</u>
FRONT WHEELHOUSE ASSEMBLY	<u>Fig. 667.</u>
MISCELLANEOUS BODY (1 OF 10)	<u>Fig. 668.</u>
MISCELLANEOUS BODY (2 OF 10)	<u>Fig. 669.</u>
MISCELLANEOUS BODY (3 OF 10)	<u>Fig. 670.</u>
MISCELLANEOUS BODY (4 OF 10)	<u>Fig. 671.</u>
MISCELLANEOUS BODY (5 OF 10)	<u>Fig. 672.</u>
MISCELLANEOUS BODY (6 OF 10)	<u>Fig. 673.</u>
MISCELLANEOUS BODY (7 OF 10)	<u>Fig. 674.</u>
MISCELLANEOUS BODY (8 OF 10)	<u>Fig. 675.</u>
MISCELLANEOUS BODY (9 OF 10)	<u>Fig. 676.</u>
MISCELLANEOUS BODY (10 OF 10)	<u>Fig. 677.</u>
DASH	<u>Fig. 678.</u>
PLENUM ASSEMBLY (1 OF 5)	<u>Fig. 679.</u>
PLENUM ASSEMBLY (2 OF 5)	<u>Fig. 680.</u>
PLENUM ASSEMBLY (3 OF 5)	<u>Fig. 681.</u>
PLENUM ASSEMBLY (4 OF 5)	<u>Fig. 682.</u>
PLENUM ASSEMBLY (5 OF 5)	<u>Fig. 683.</u>
FRONT FLOOR (1 OF 3)	<u>Fig. 684.</u>
FRONT FLOOR (2 OF 3)	<u>Fig. 685.</u>
FRONT FLOOR (3 OF 3)	<u>Fig. 686.</u>
FRONT FLOOR/DASH/PLENUM ASSEMBLY (1 OF 2)	<u>Fig. 687.</u>
FRONT FLOOR/DASH/PLENUM ASSEMBLY (2 OF 2)	<u>Fig. 688.</u>
REAR RAIL ASSEMBLY (1 OF 10)	<u>Fig. 689.</u>
REAR RAIL ASSEMBLY (2 OF 10)	<u>Fig. 690.</u>
REAR RAIL ASSEMBLY (3 OF 10)	<u>Fig. 691.</u>
REAR RAIL ASSEMBLY (4 OF 10)	<u>Fig. 692.</u>

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

REAR RAIL ASSEMBLY (5 OF 10)	<u>Fig. 693.</u>
REAR RAIL ASSEMBLY (6 OF 10)	<u>Fig. 694.</u>
REAR RAIL ASSEMBLY (7 OF 10)	<u>Fig. 695.</u>
REAR RAIL ASSEMBLY (8 OF 10)	<u>Fig. 696.</u>
REAR RAIL ASSEMBLY (9 OF 10)	<u>Fig. 697.</u>
REAR RAIL ASSEMBLY (10 OF 10)	<u>Fig. 698.</u>
REAR FLOOR ASSEMBLY (1 OF 3)	<u>Fig. 699.</u>
REAR FLOOR ASSEMBLY (2 OF 3)	<u>Fig. 700.</u>
REAR FLOOR ASSEMBLY (3 OF 3)	<u>Fig. 701.</u>
REAR WHEELHOUSE (1 OF 2)	<u>Fig. 702.</u>
REAR WHEELHOUSE (2 OF 2)	<u>Fig. 703.</u>
REAR FLOOR COMPLETE (1 OF 11)	<u>Fig. 704.</u>
REAR FLOOR COMPLETE (2 OF 11)	<u>Fig. 705.</u>
REAR FLOOR COMPLETE (3 OF 11)	<u>Fig. 706.</u>
REAR FLOOR COMPLETE (4 OF 11)	<u>Fig. 707.</u>
REAR FLOOR COMPLETE (5 OF 11)	<u>Fig. 708.</u>
REAR FLOOR COMPLETE (6 OF 11)	<u>Fig. 709.</u>
REAR FLOOR COMPLETE (7 OF 11)	<u>Fig. 710.</u>
REAR FLOOR COMPLETE (8 OF 11)	<u>Fig. 711.</u>
REAR FLOOR COMPLETE (9 OF 11)	<u>Fig. 712.</u>
REAR FLOOR COMPLETE (10 OF 11)	<u>Fig. 713.</u>
REAR FLOOR COMPLETE (11 OF 11)	<u>Fig. 714.</u>
UNDERBODY COMPLETE (1 OF 12)	<u>Fig. 715.</u>
UNDERBODY COMPLETE (2 OF 12)	<u>Fig. 716.</u>
UNDERBODY COMPLETE (3 OF 12)	<u>Fig. 717.</u>
UNDERBODY COMPLETE (4 OF 12)	<u>Fig. 718.</u>
UNDERBODY COMPLETE (5 OF 12)	<u>Fig. 719.</u>
UNDERBODY COMPLETE (6 OF 12)	<u>Fig. 720.</u>
UNDERBODY COMPLETE (7 OF 12)	<u>Fig. 721.</u>
UNDERBODY COMPLETE (8 OF 12)	<u>Fig. 722.</u>
UNDERBODY COMPLETE (9 OF 12)	<u>Fig. 723.</u>
UNDERBODY COMPLETE (10 OF 12)	<u>Fig. 724.</u>
UNDERBODY COMPLETE (11 OF 12)	<u>Fig. 725.</u>
UNDERBODY COMPLETE (12 OF 12)	<u>Fig. 726.</u>
BODY SIDE APERTURE INNER (1 OF 4)	<u>Fig. 727.</u>
BODY SIDE APERTURE INNER (2 OF 4)	<u>Fig. 728.</u>
BODY SIDE APERTURE INNER (3 OF 4)	<u>Fig. 729.</u>
BODY SIDE APERTURE INNER (4 OF 4)	<u>Fig. 730.</u>
BODY SIDE APERTURE OUTER (1 OF 5)	<u>Fig. 731.</u>
BODY SIDE APERTURE OUTER (2 OF 5)	<u>Fig. 732.</u>
BODY SIDE APERTURE OUTER (3 OF 5)	<u>Fig. 733.</u>

2007 Dodge Nitro R/T

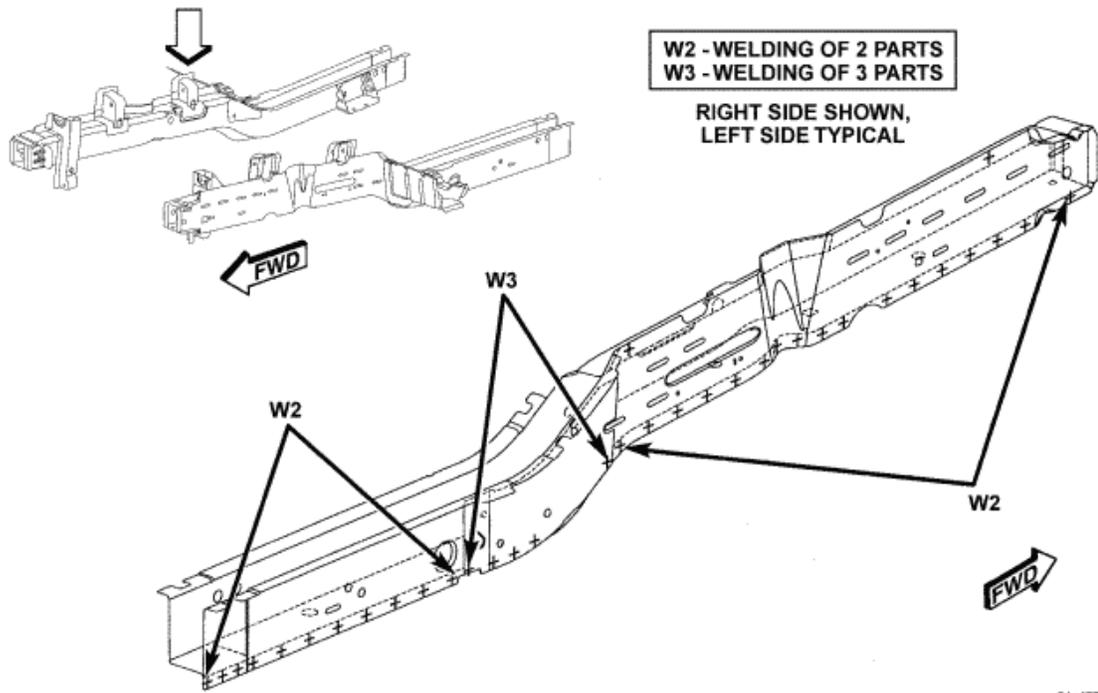
2007 ACCESSORIES AND EQUIPMENT Body - Nitro

	<u>Fig. 734.</u>
BODY SIDE APERTURE OUTER (5 OF 5)	<u>Fig. 735.</u>
BODY SIDE APERTURE COMPLETE (1 OF 8)	<u>Fig. 736.</u>
BODY SIDE APERTURE COMPLETE (2 OF 8)	<u>Fig. 737.</u>
BODY SIDE APERTURE COMPLETE (3 OF 8)	<u>Fig. 738.</u>
BODY SIDE APERTURE COMPLETE (4 OF 8)	<u>Fig. 739.</u>
BODY SIDE APERTURE COMPLETE (5 OF 8)	<u>Fig. 740.</u>
BODY SIDE APERTURE COMPLETE (6 OF 8)	<u>Fig. 741.</u>
BODY SIDE APERTURE COMPLETE (7 OF 8)	<u>Fig. 742.</u>
BODY SIDE APERTURE COMPLETE (8 OF 8)	<u>Fig. 743.</u>
BODY IN WHITE WITHOUT ROOF (1 OF 8)	<u>Fig. 744.</u>
BODY IN WHITE WITHOUT ROOF (2 OF 8)	<u>Fig. 745.</u>
BODY IN WHITE WITHOUT ROOF (3 OF 8)	<u>Fig. 746.</u>
BODY IN WHITE WITHOUT ROOF (4 OF 8)	<u>Fig. 747.</u>
BODY IN WHITE WITHOUT ROOF (5 OF 8)	<u>Fig. 748.</u>
BODY IN WHITE WITHOUT ROOF (6 OF 8)	<u>Fig. 749.</u>
BODY IN WHITE WITHOUT ROOF (7 OF 8)	<u>Fig. 750.</u>
BODY IN WHITE WITHOUT ROOF (8 OF 8)	<u>Fig. 751.</u>
BODY IN WHITE COMPLETE (1 OF 4)	<u>Fig. 752.</u>
BODY IN WHITE COMPLETE (2 OF 4)	<u>Fig. 753.</u>
BODY IN WHITE COMPLETE (3 OF 4)	<u>Fig. 754.</u>
BODY IN WHITE COMPLETE (4 OF 4)	<u>Fig. 755.</u>

FRONT RAIL ASSEMBLY

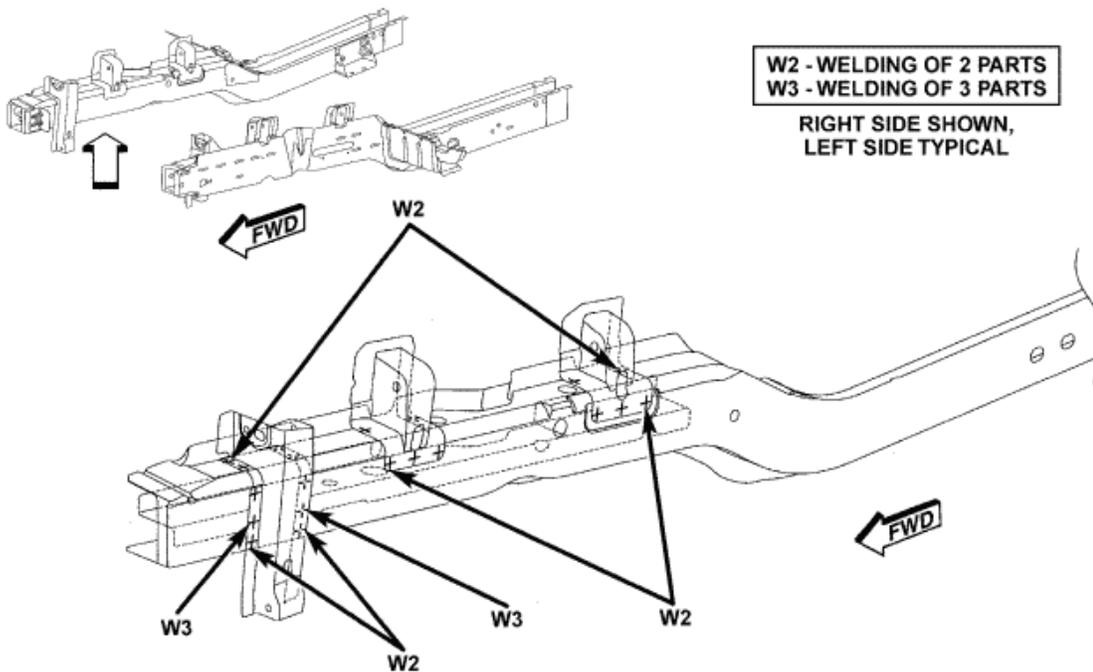
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a477ac

Fig. 657: Front Rails (1 Of 10)
Courtesy of CHRYSLER LLC

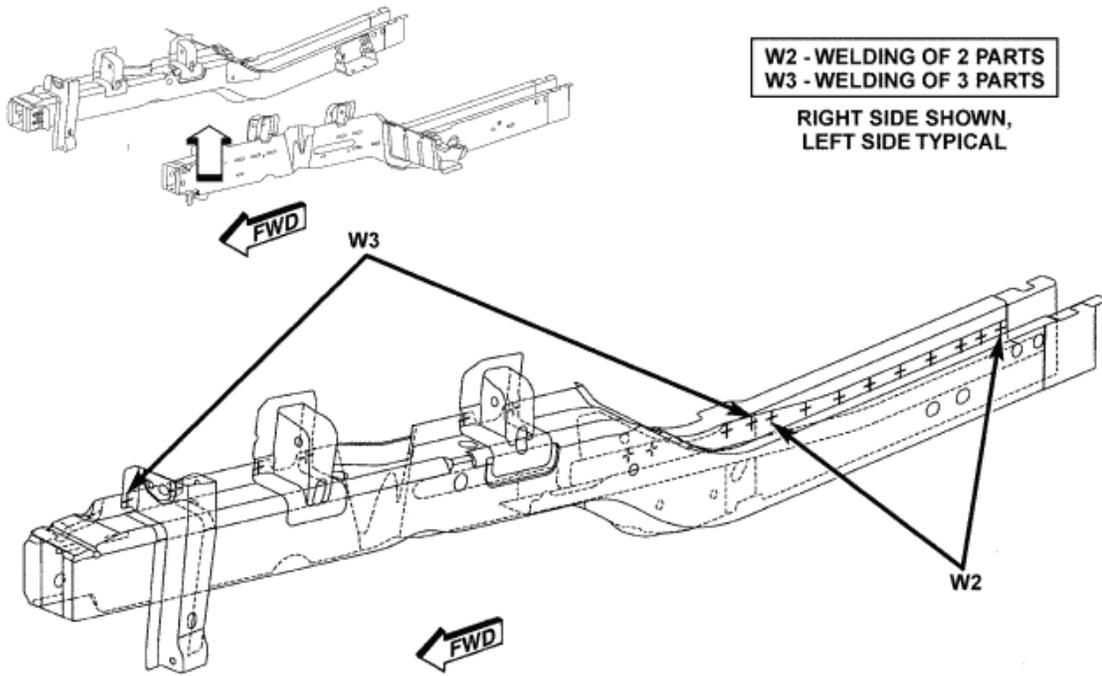


81a477b6

Fig. 658: Front Rails (2 Of 10)
Courtesy of CHRYSLER LLC

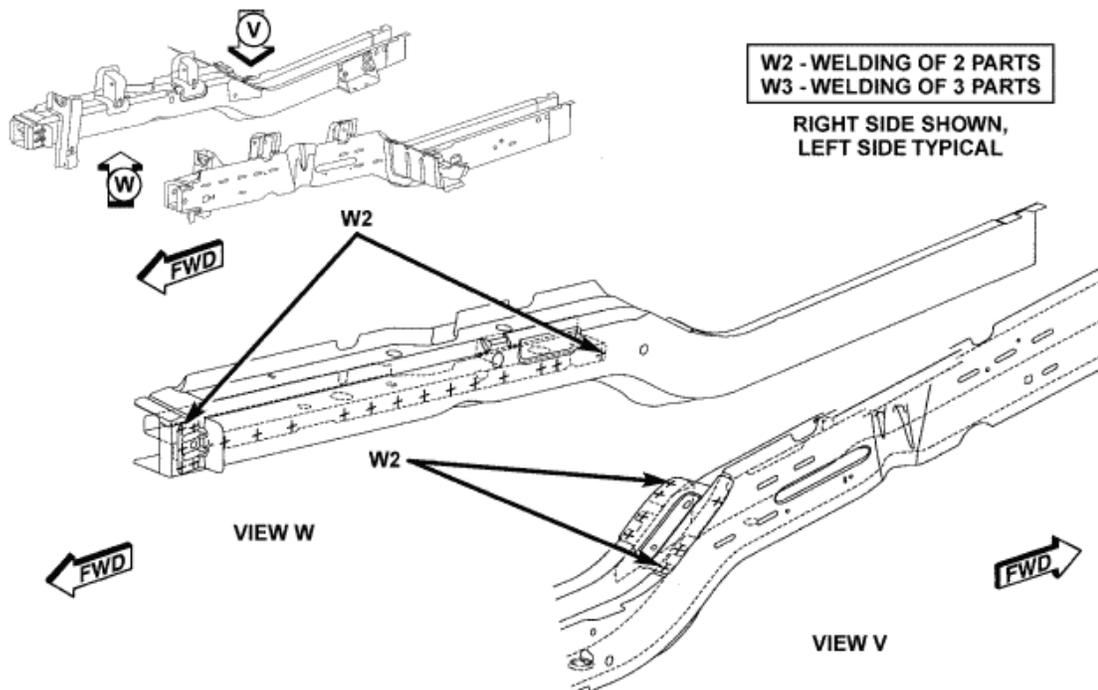
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a477ba

Fig. 659: Front Rails (3 Of 10)
Courtesy of CHRYSLER LLC



81a477c3

Fig. 660: Front Rails (4 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

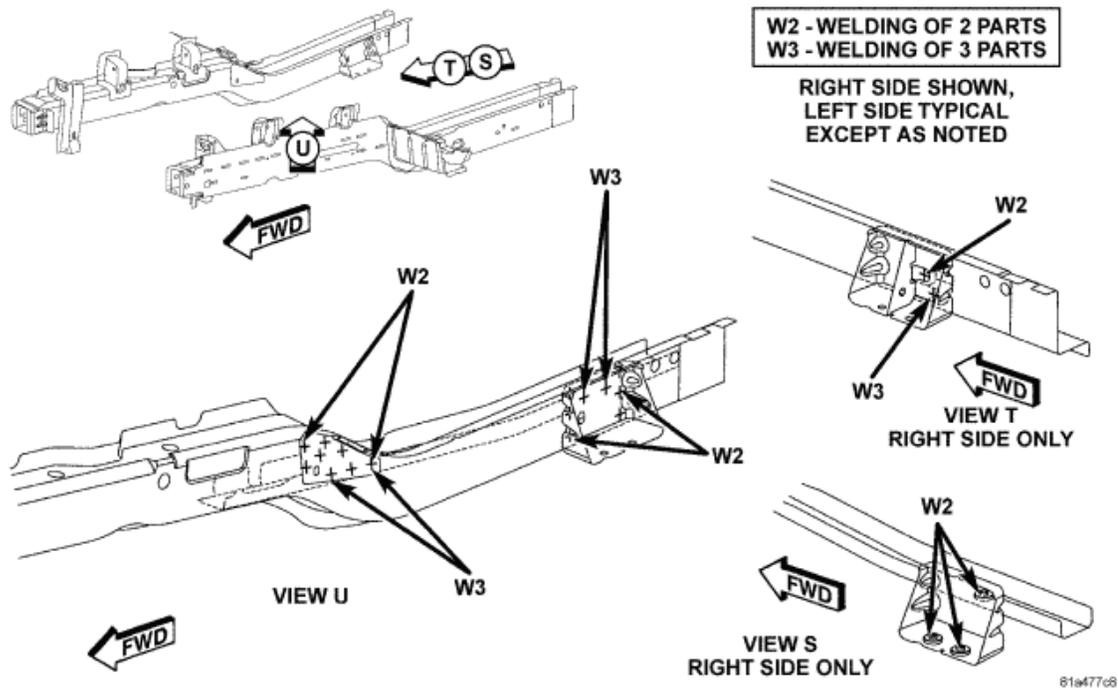


Fig. 661: Front Rails (5 Of 10)
Courtesy of CHRYSLER LLC

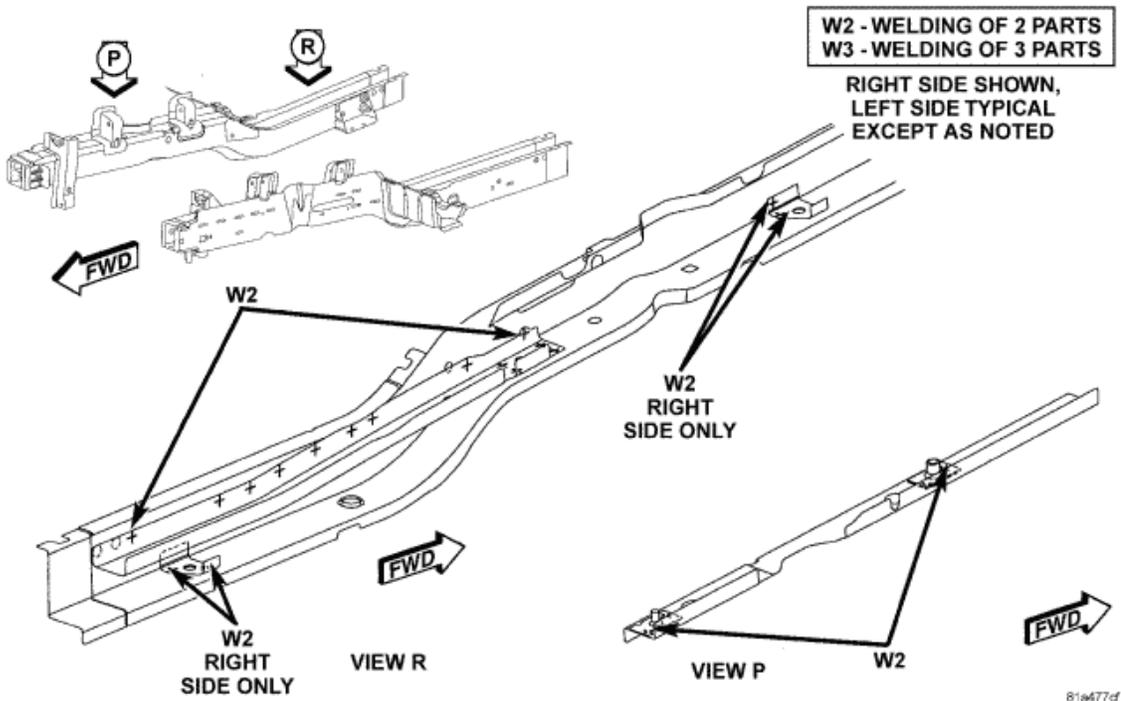


Fig. 662: Front Rails (6 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

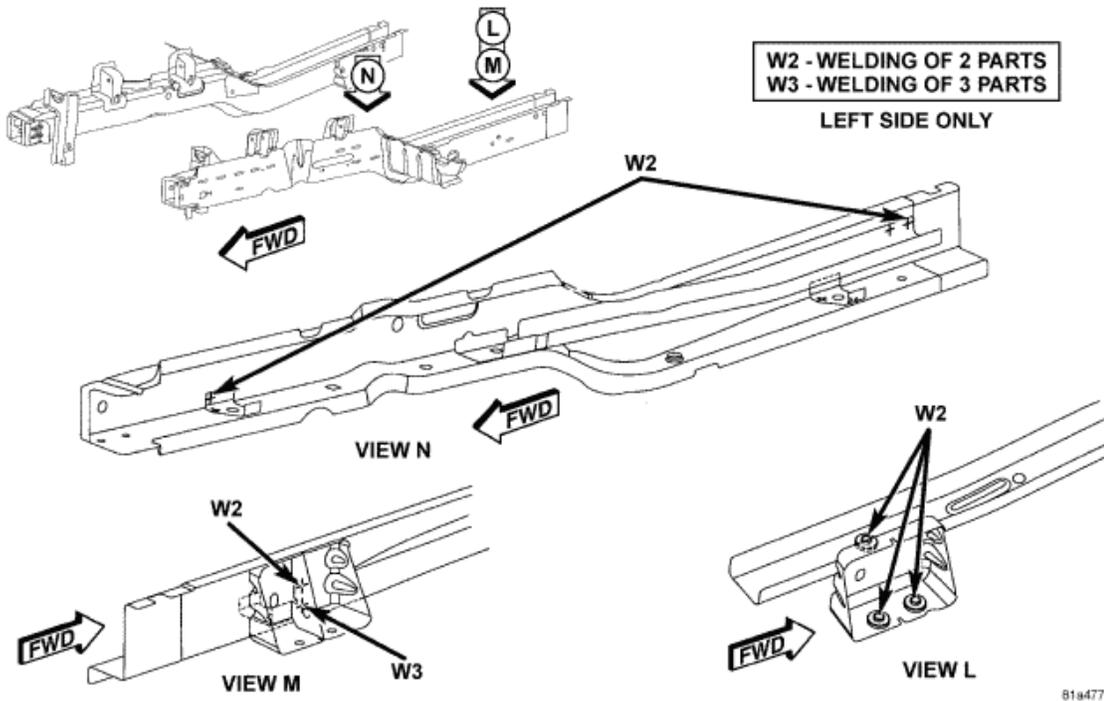


Fig. 663: Front Rails (7 Of 10)
Courtesy of CHRYSLER LLC

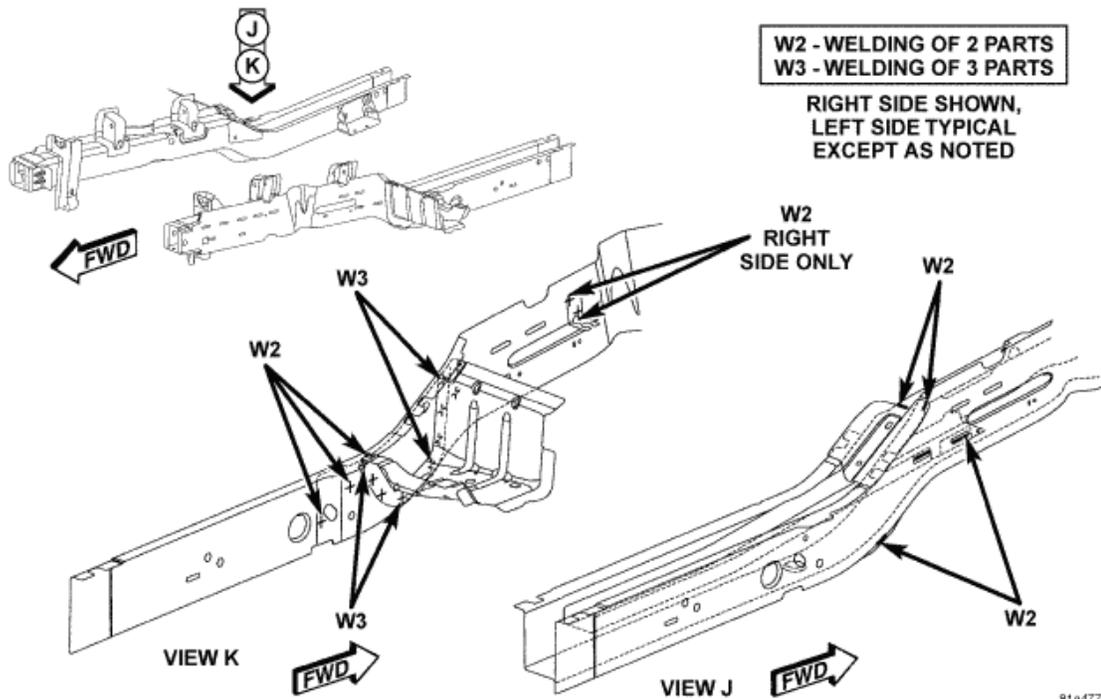


Fig. 664: Front Rails (8 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

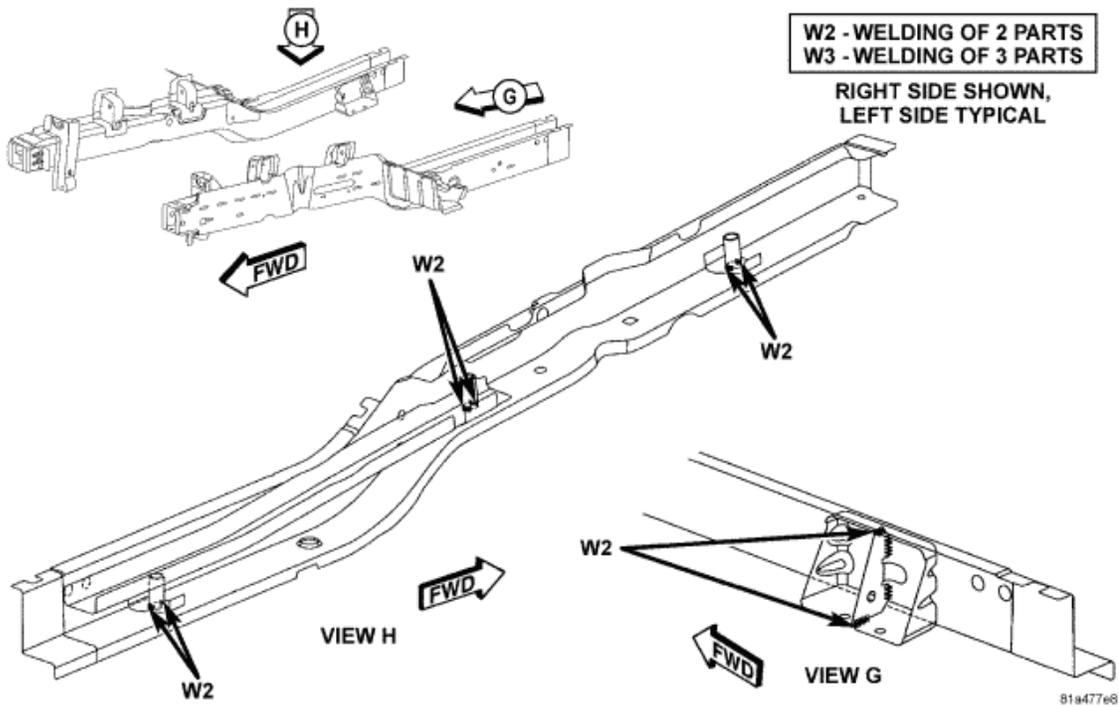


Fig. 665: Front Rails (9 Of 10)
Courtesy of CHRYSLER LLC

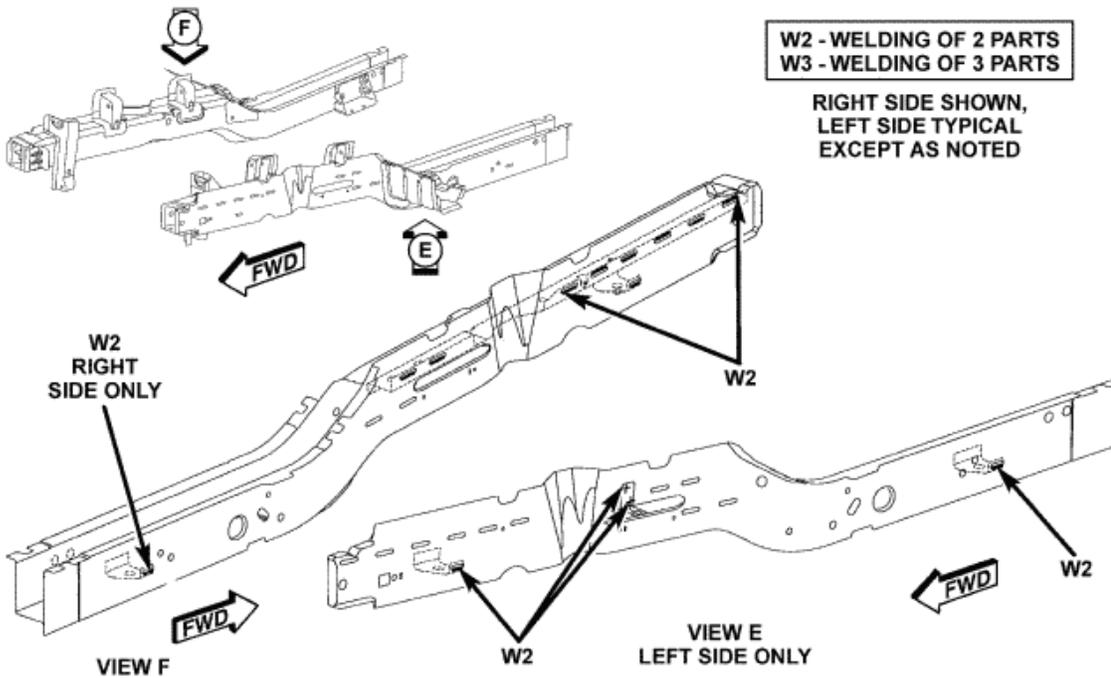


Fig. 666: Front Rails (10 Of 10)
Courtesy of CHRYSLER LLC

FRONT WHEELHOUSE ASSEMBLY

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

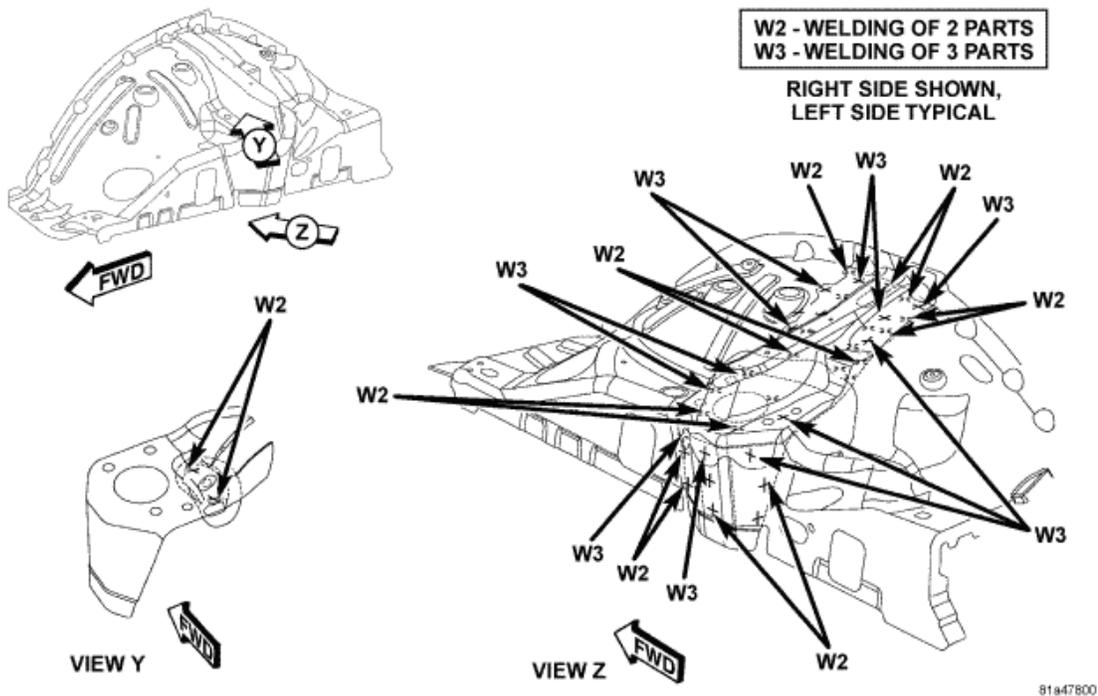


Fig. 667: Front Wheelhouse Assembly
Courtesy of CHRYSLER LLC

MISCELLANEOUS BODY

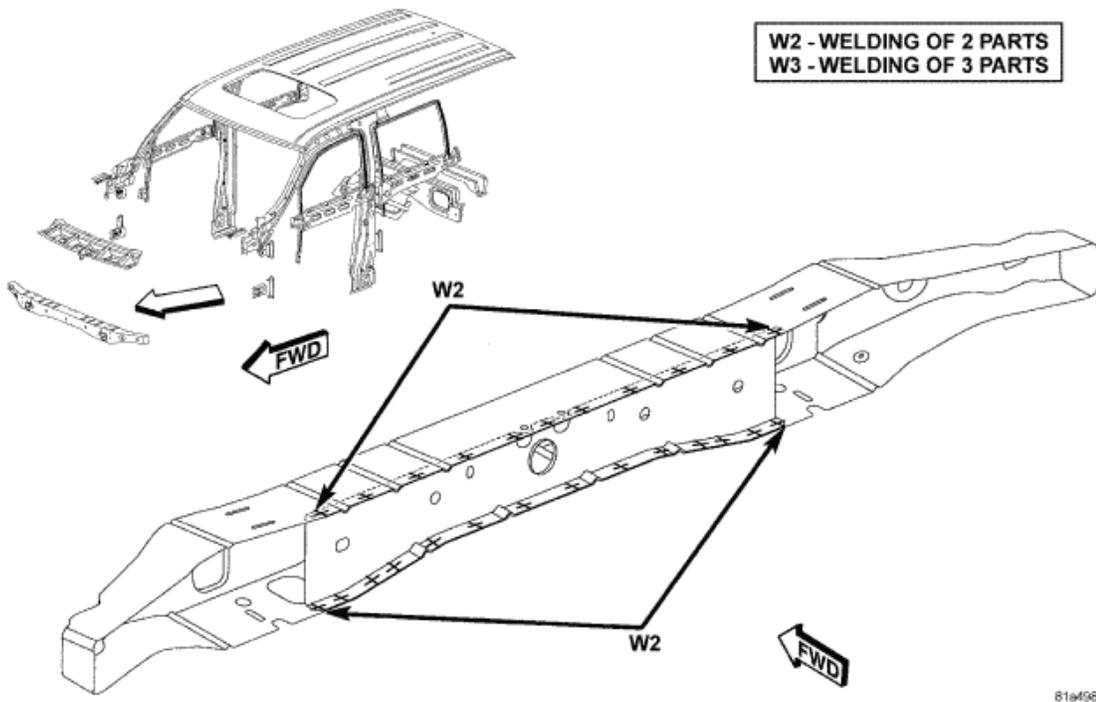
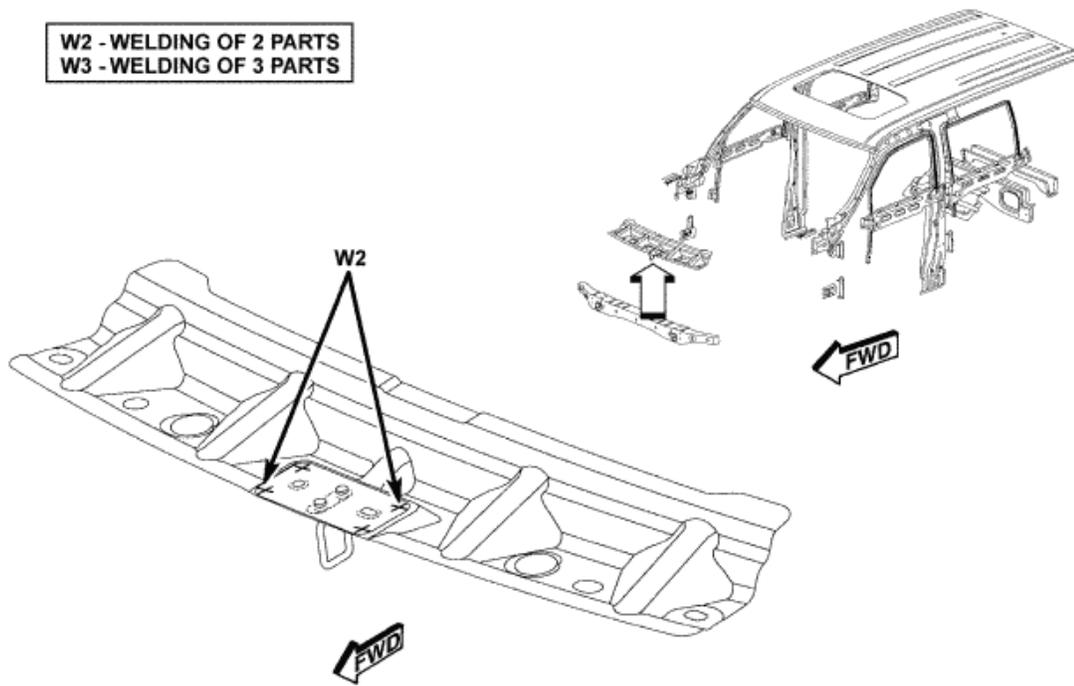


Fig. 668: Miscellaneous Body (1 Of 10)
Courtesy of CHRYSLER LLC

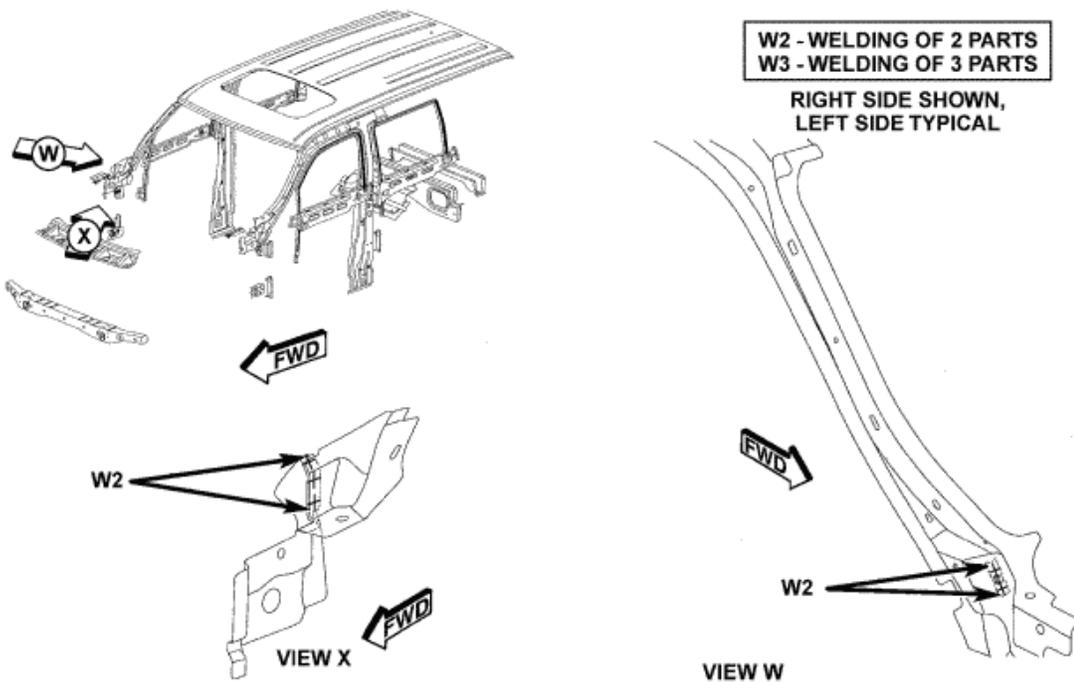
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



61a498d6

Fig. 669: Miscellaneous Body (2 Of 10)
Courtesy of CHRYSLER LLC



61a498da

Fig. 670: Miscellaneous Body (3 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

W2 - WELDING OF 2 PARTS
W3 - WELDING OF 3 PARTS

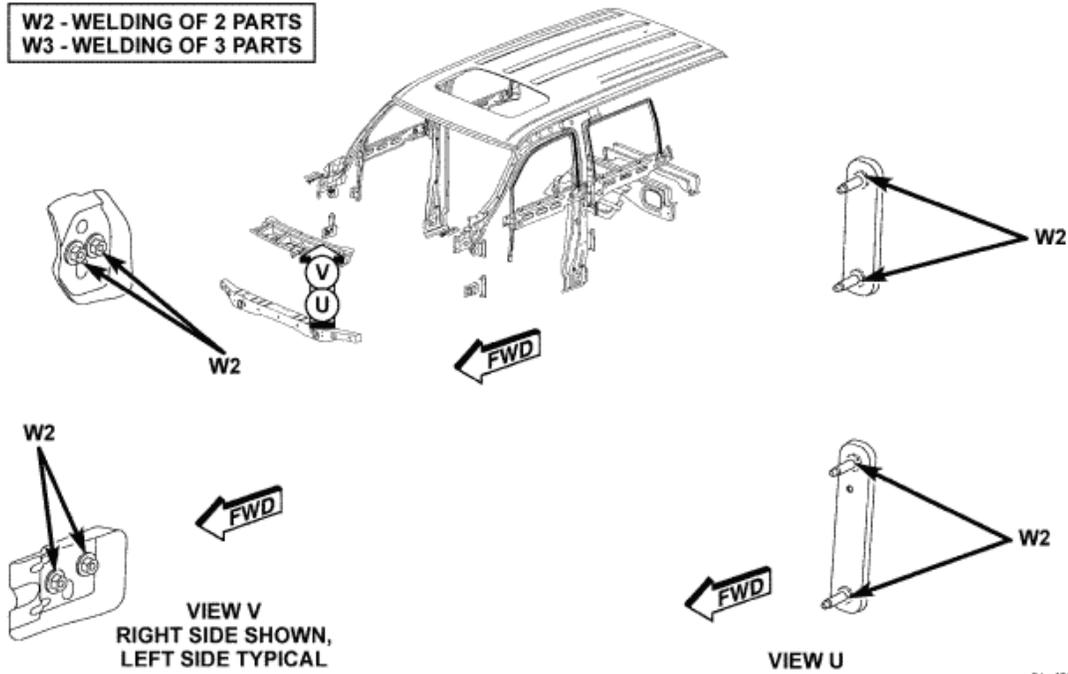


Fig. 671: Miscellaneous Body (4 Of 10)
Courtesy of CHRYSLER LLC

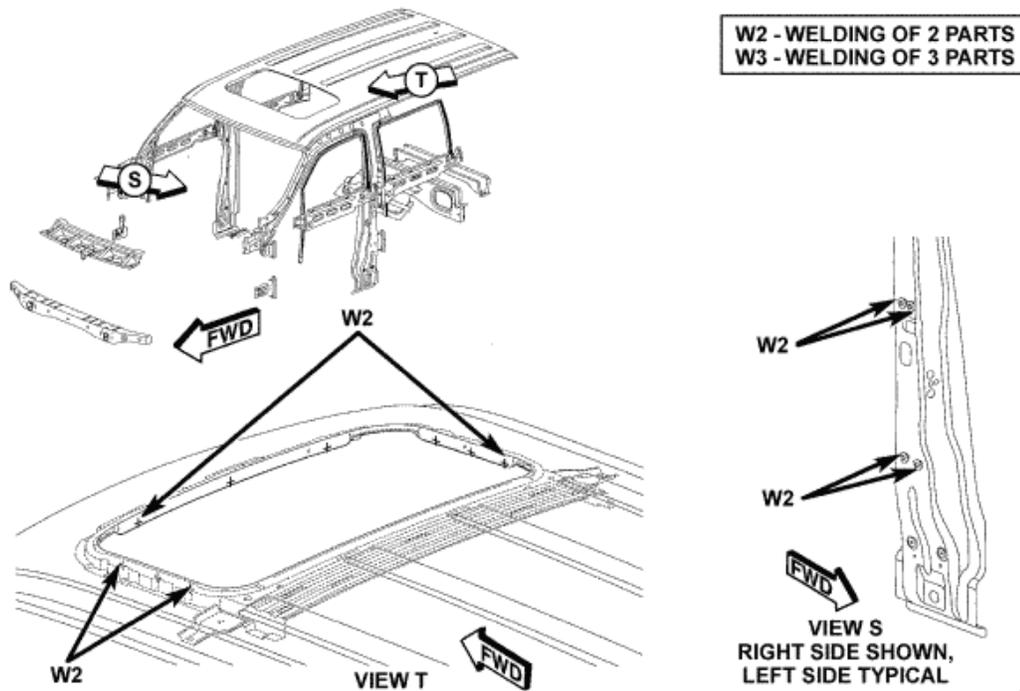
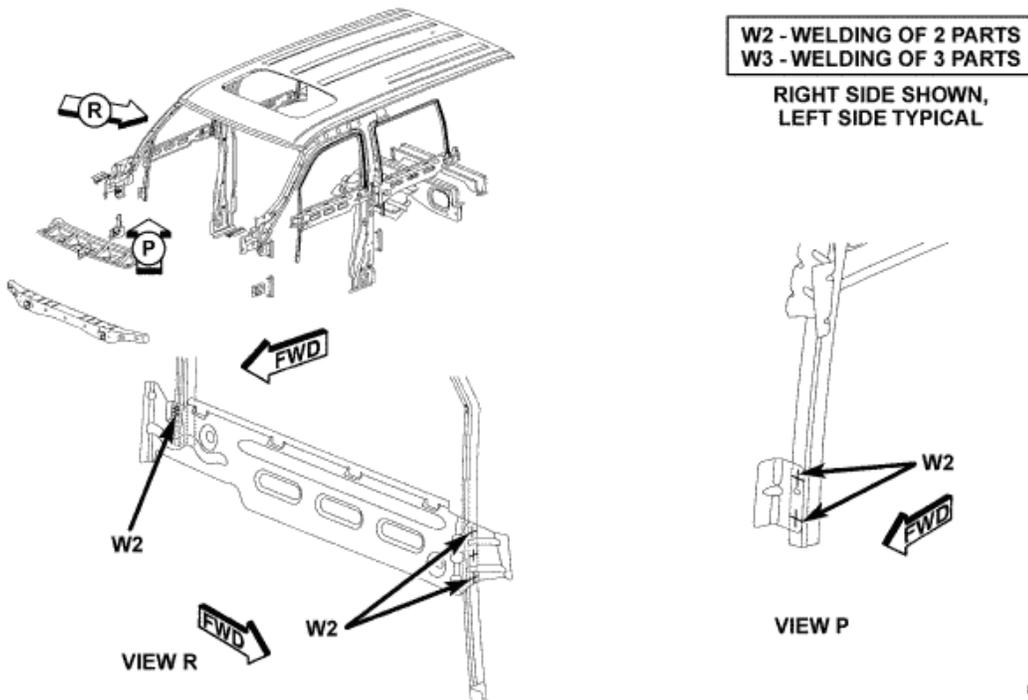


Fig. 672: Miscellaneous Body (5 Of 10)
Courtesy of CHRYSLER LLC

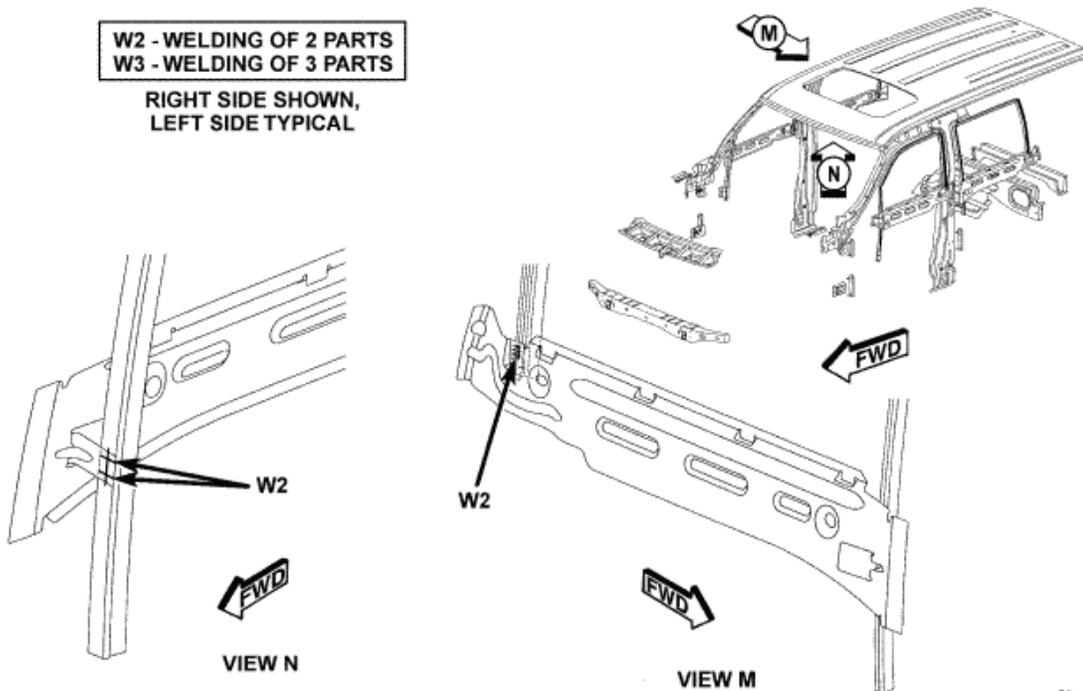
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a498ac

Fig. 673: Miscellaneous Body (6 Of 10)
Courtesy of CHRYSLER LLC



81a498d0

Fig. 674: Miscellaneous Body (7 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

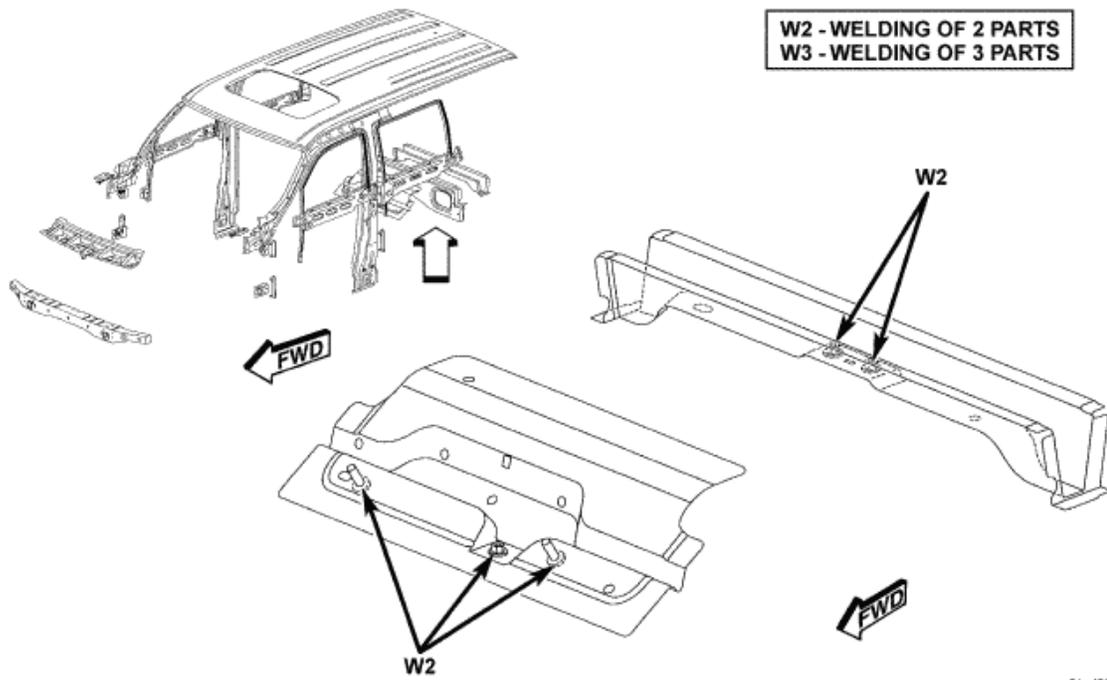


Fig. 675: Miscellaneous Body (8 Of 10)
Courtesy of CHRYSLER LLC

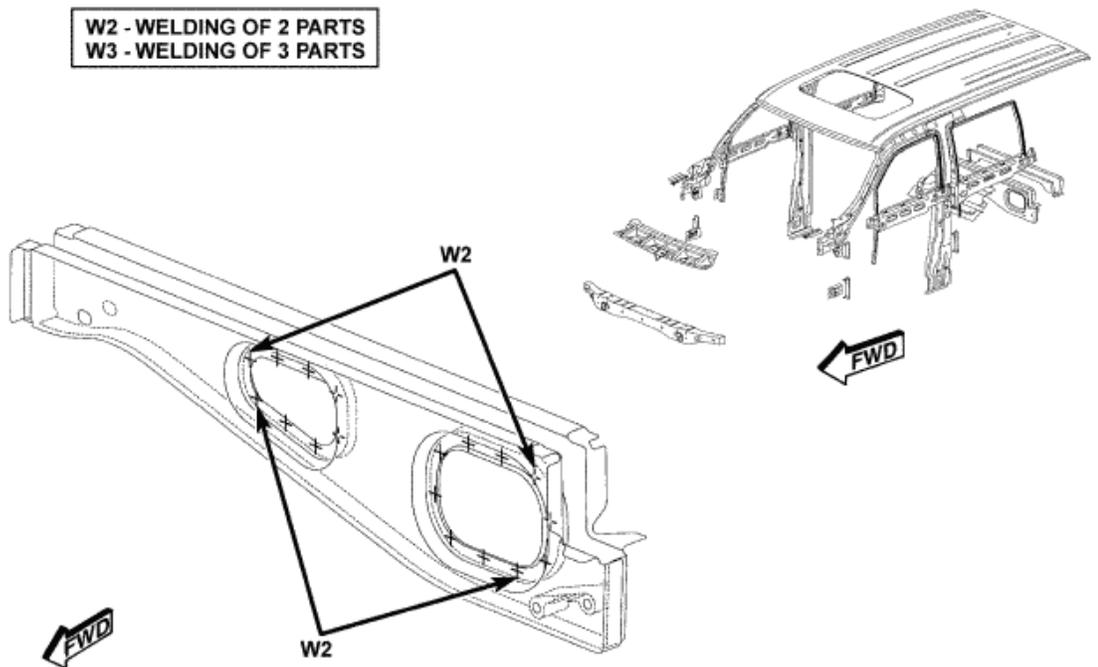
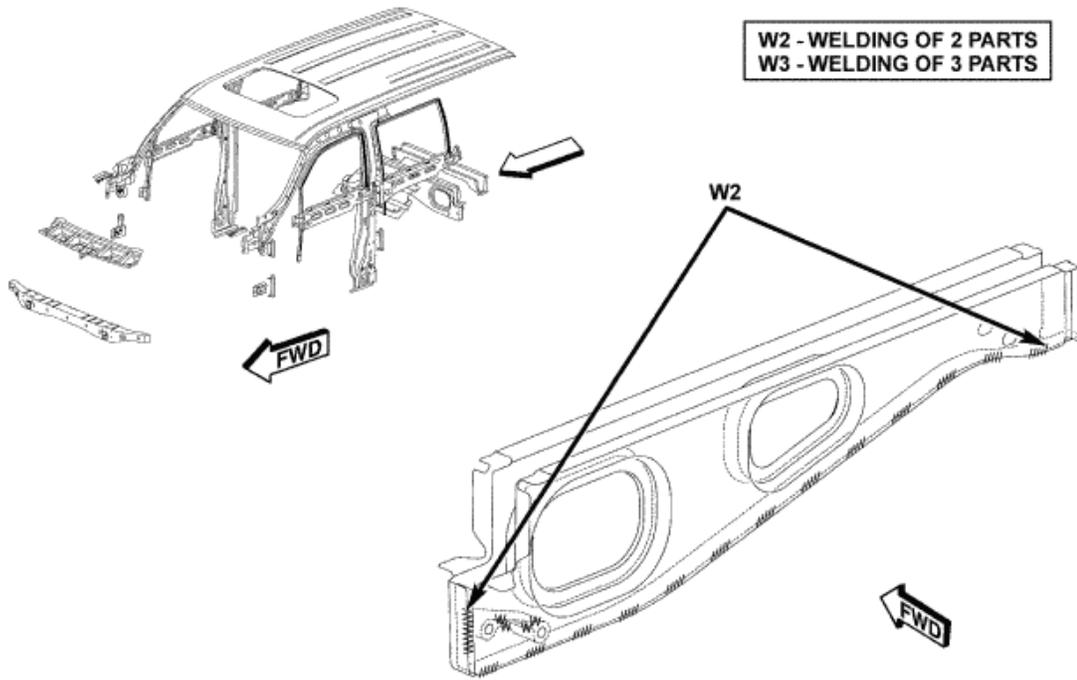


Fig. 676: Miscellaneous Body (9 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

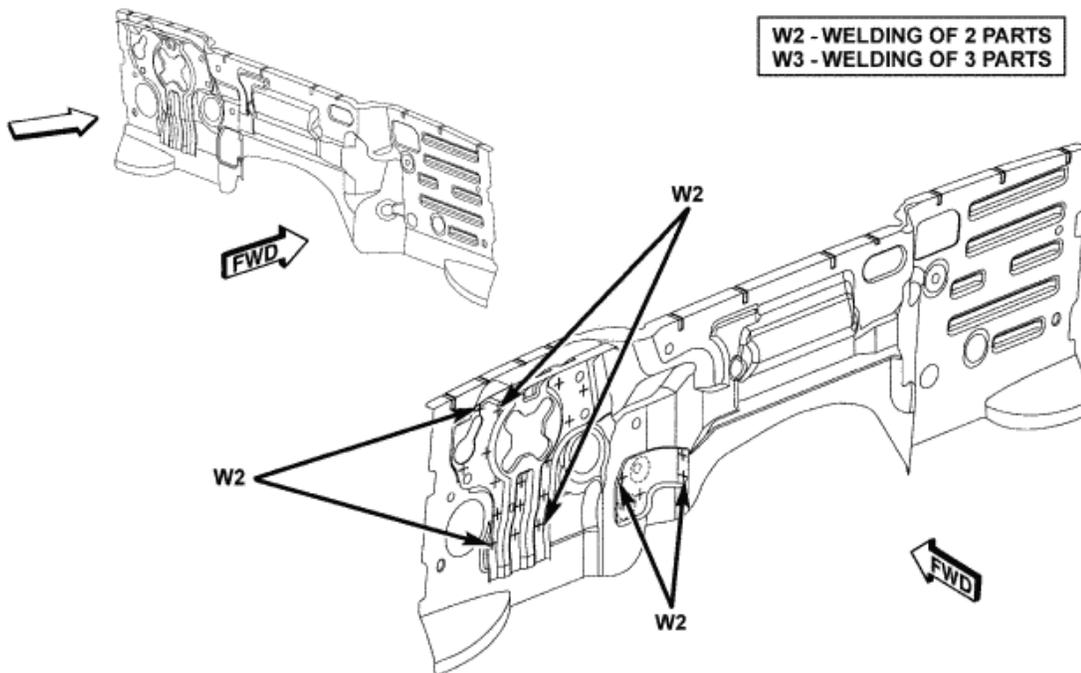
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a49900

Fig. 677: Miscellaneous Body (10 Of 10)
Courtesy of CHRYSLER LLC

DASH

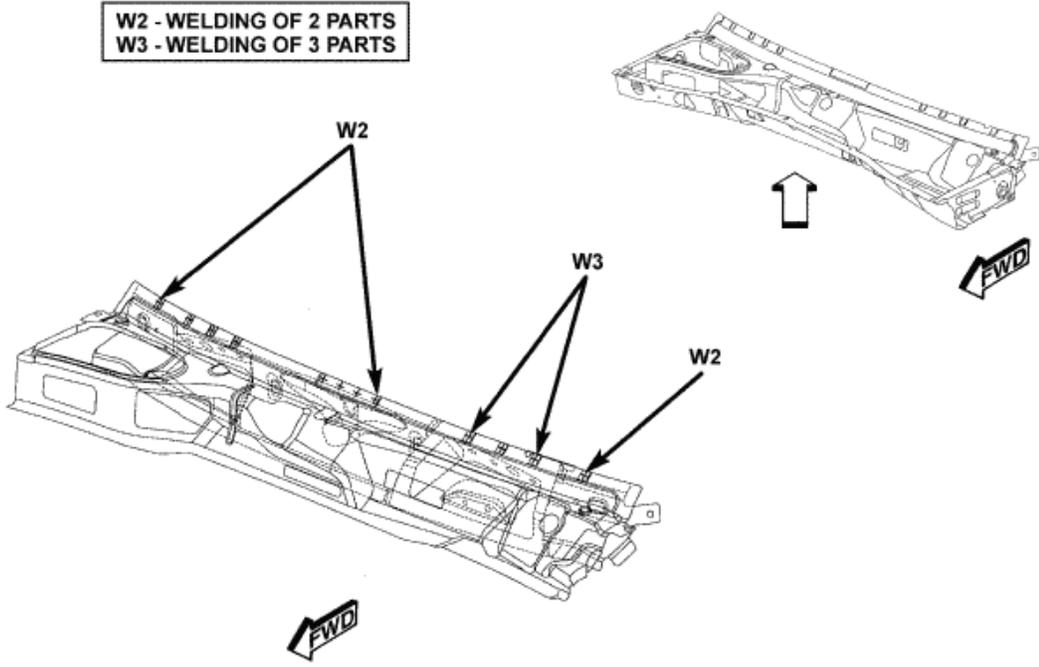


81a4f3b9

Fig. 678: Dash
Courtesy of CHRYSLER LLC

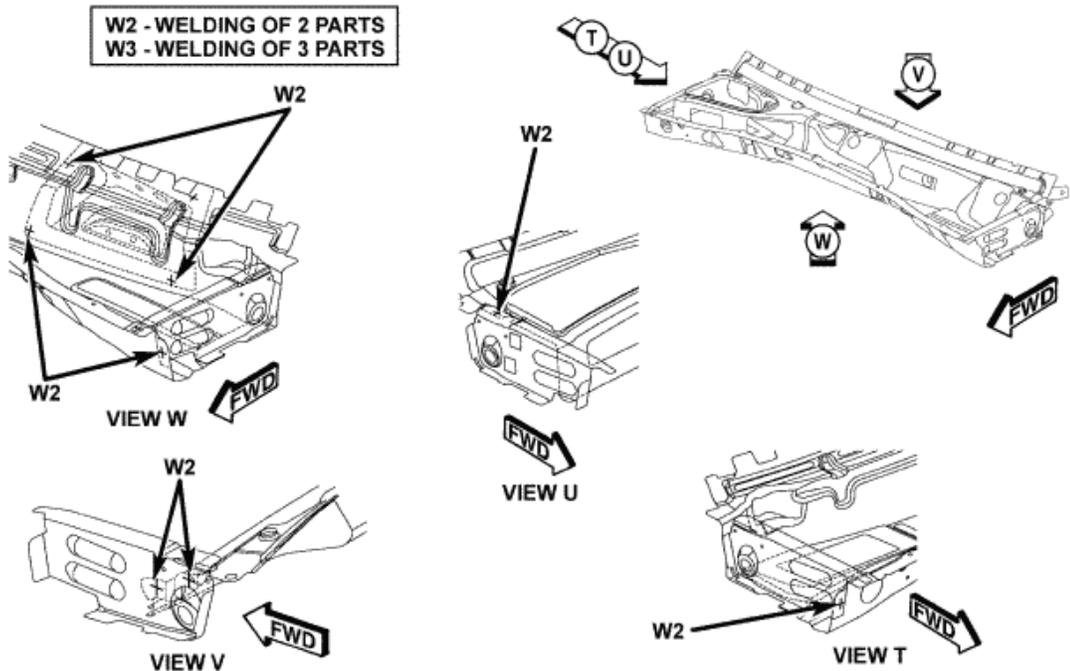
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a476cf

Fig. 681: Plenum Assembly (3 Of 5)
Courtesy of CHRYSLER LLC

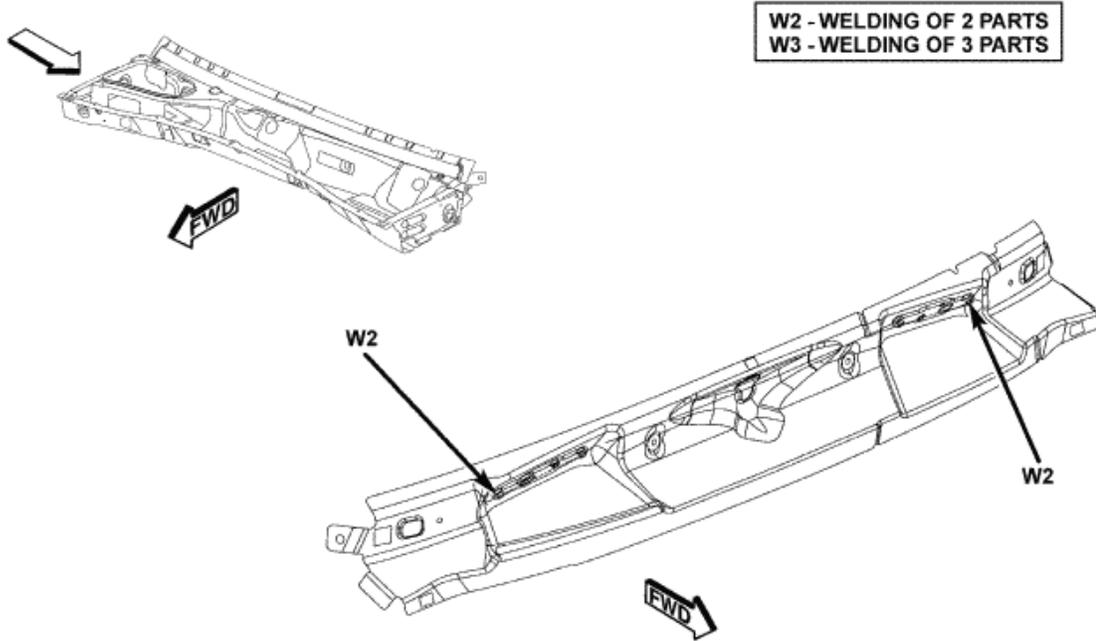


81a47713

Fig. 682: Plenum Assembly (4 Of 5)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

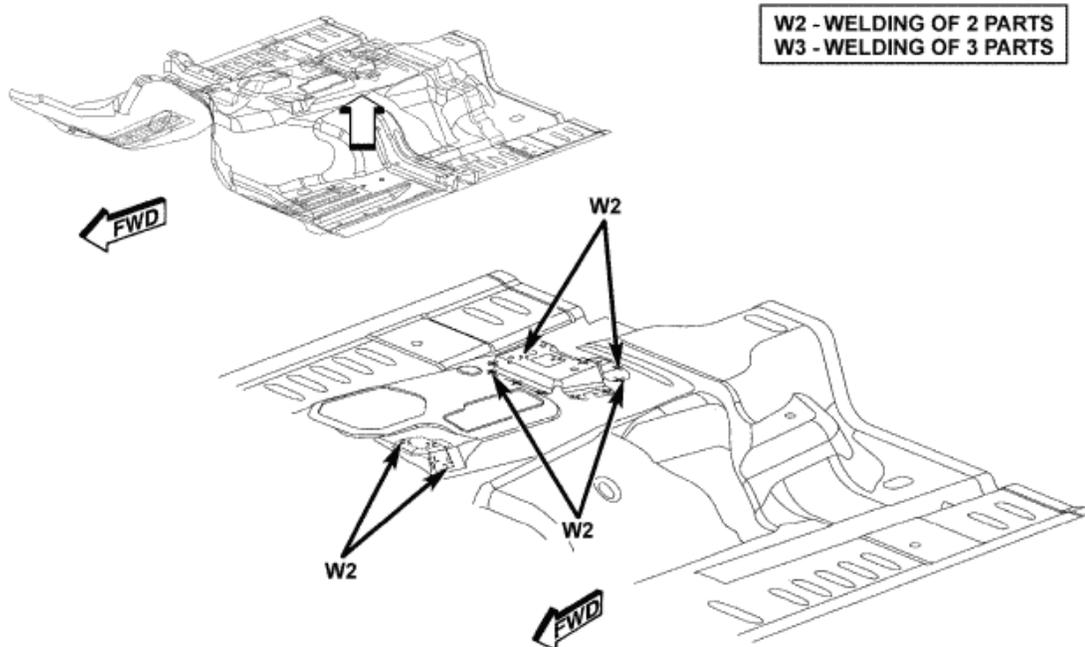
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a4f76b

Fig. 683: Plenum Assembly (5 Of 5)
Courtesy of CHRYSLER LLC

FRONT FLOOR

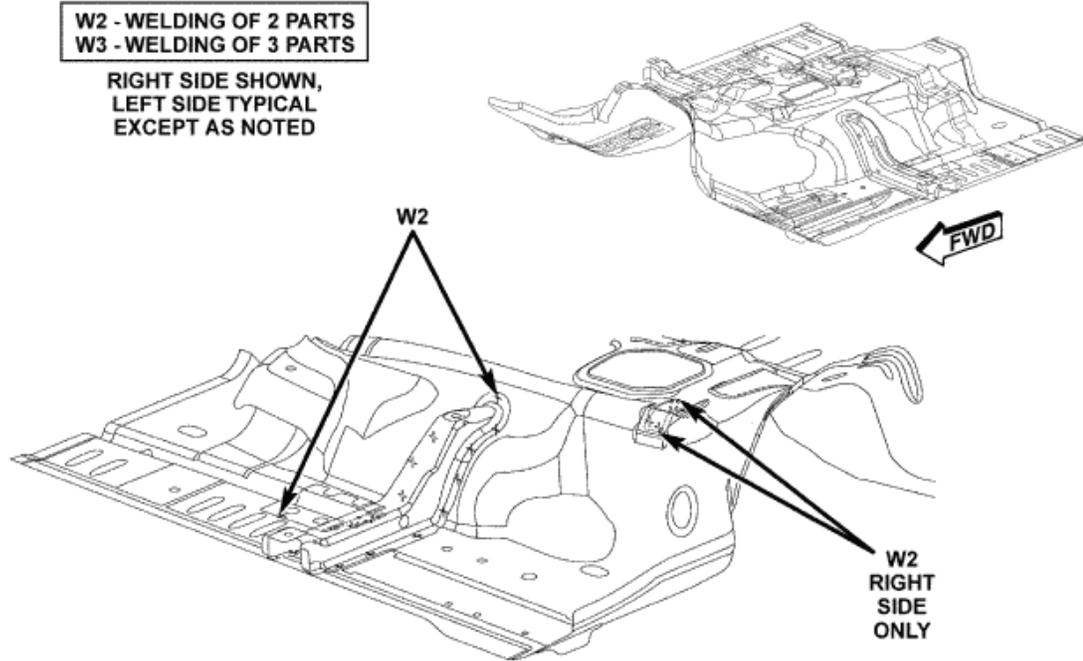


81a4f068

Fig. 684: Front Floor (1 Of 3)
Courtesy of CHRYSLER LLC

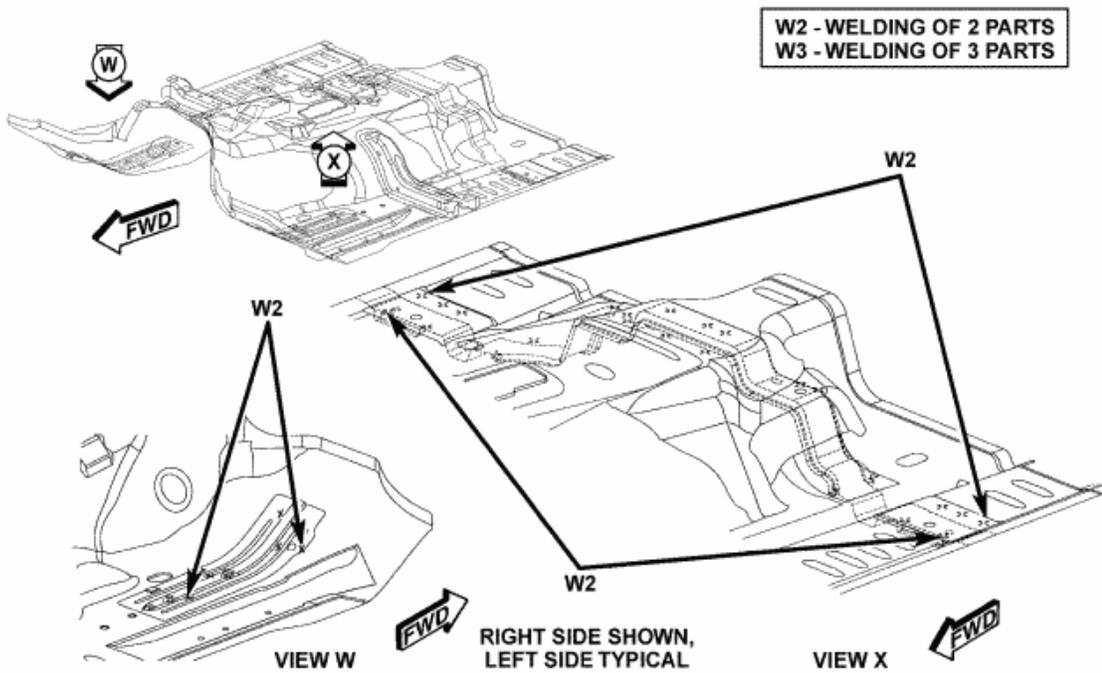
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a4f6d

Fig. 685: Front Floor (2 Of 3)
Courtesy of CHRYSLER LLC



81a4f6a

Fig. 686: Front Floor (3 Of 3)
Courtesy of CHRYSLER LLC

FRONT FLOOR/DASH/PLENUM ASSEMBLY

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

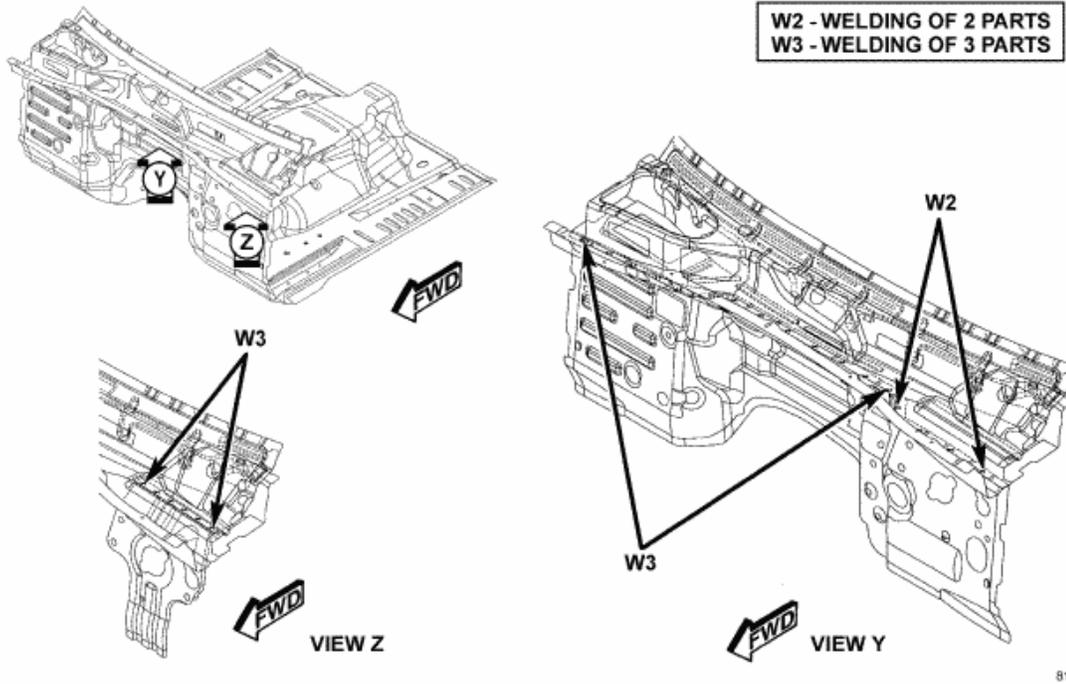


Fig. 687: Front Floor/Dash/Plenum Assembly (1 Of 2)
Courtesy of CHRYSLER LLC

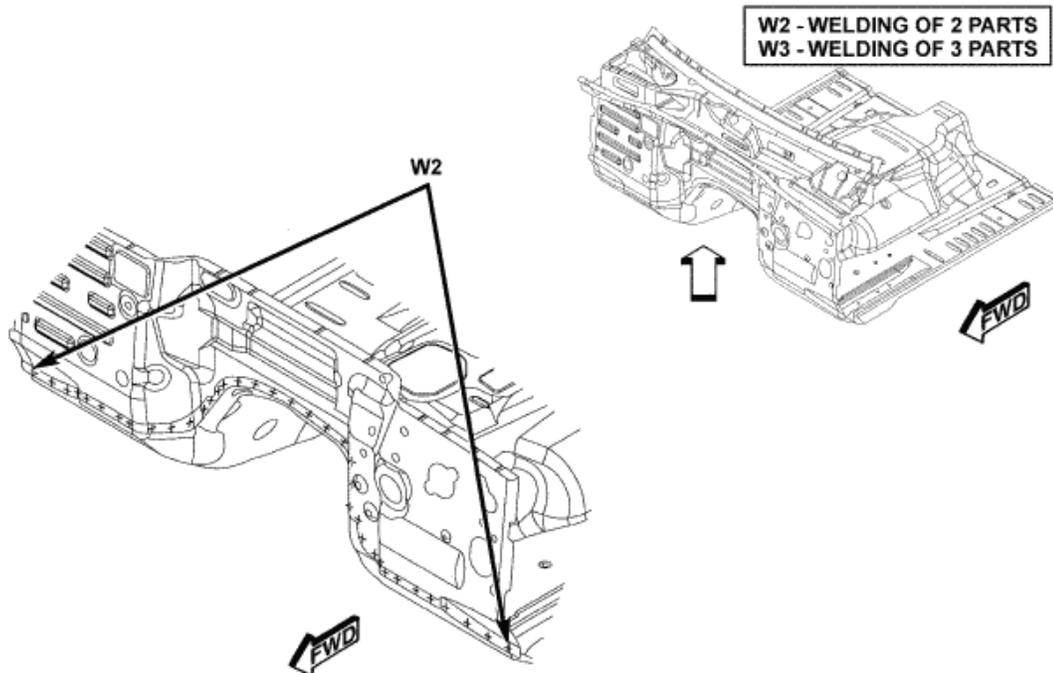


Fig. 688: Front Floor/Dash/Plenum Assembly (2 Of 2)
Courtesy of CHRYSLER LLC

REAR RAIL ASSEMBLY

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

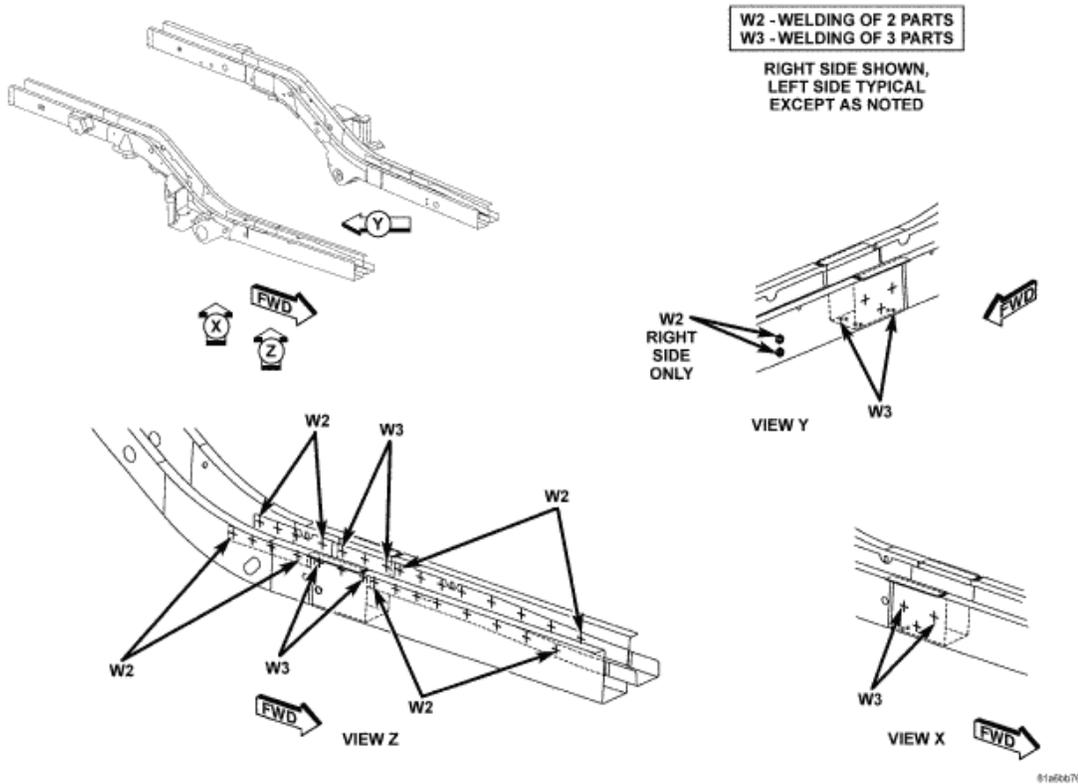


Fig. 689: Rear Rail Assembly (1 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

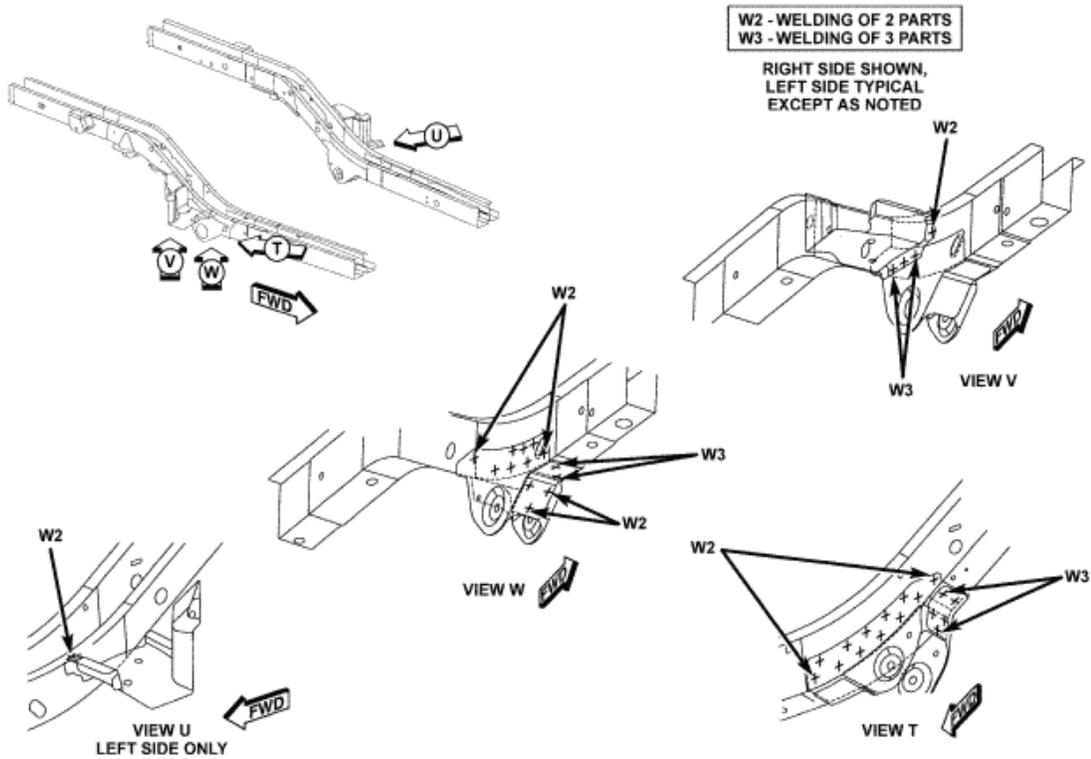
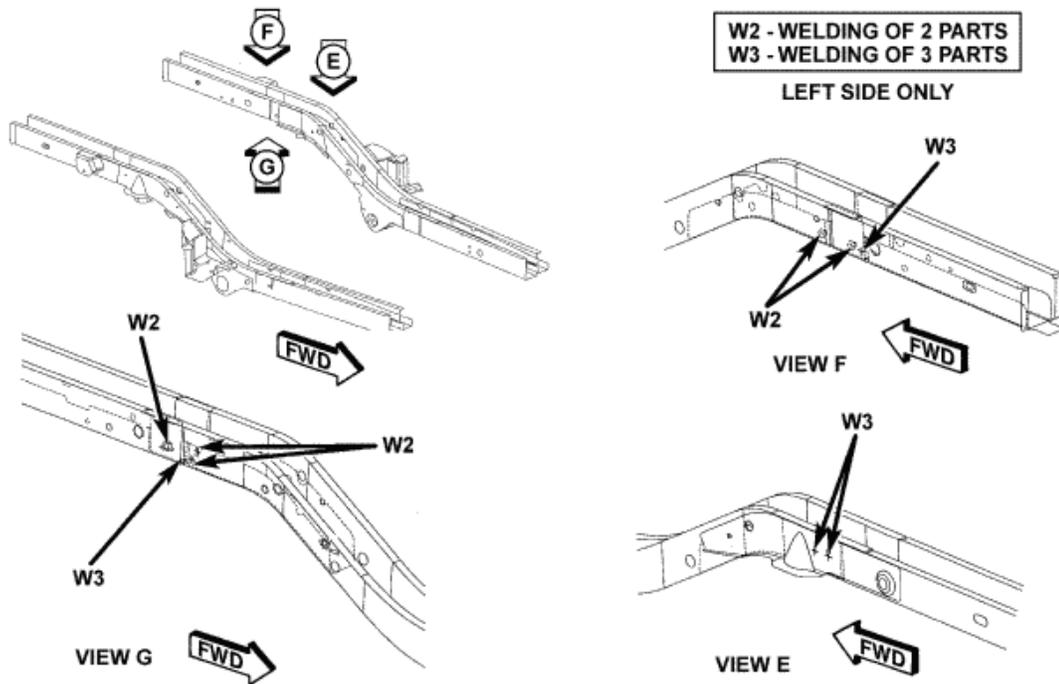


Fig. 690: Rear Rail Assembly (2 Of 10)
Courtesy of CHRYSLER LLC

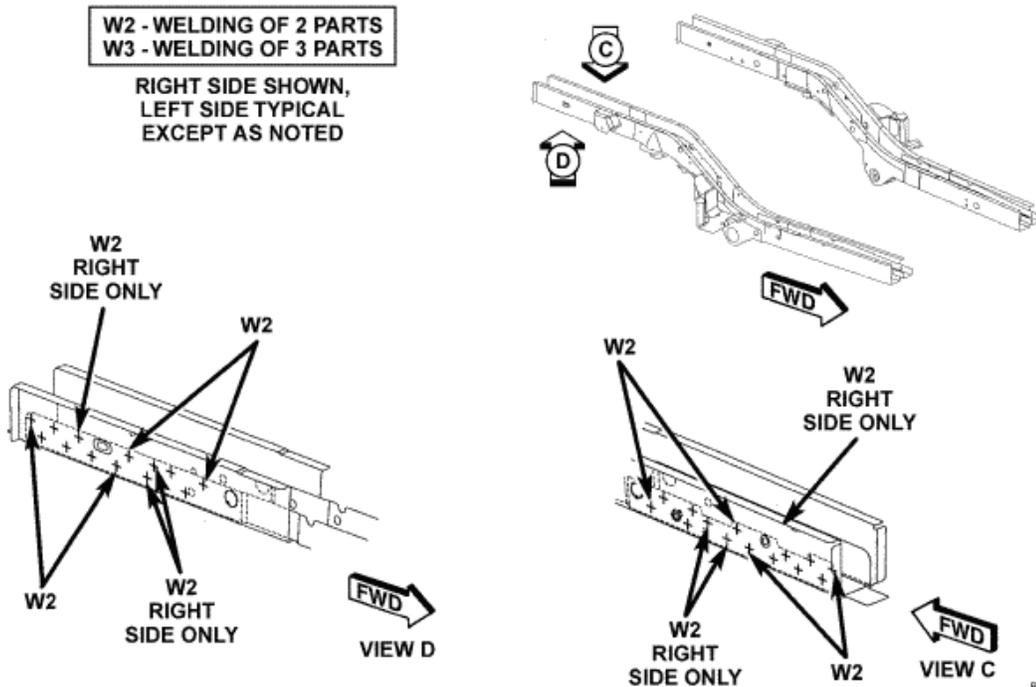
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8bbe5

Fig. 695: Rear Rail Assembly (7 Of 10)
Courtesy of CHRYSLER LLC



81a8bbe6

Fig. 696: Rear Rail Assembly (8 Of 10)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

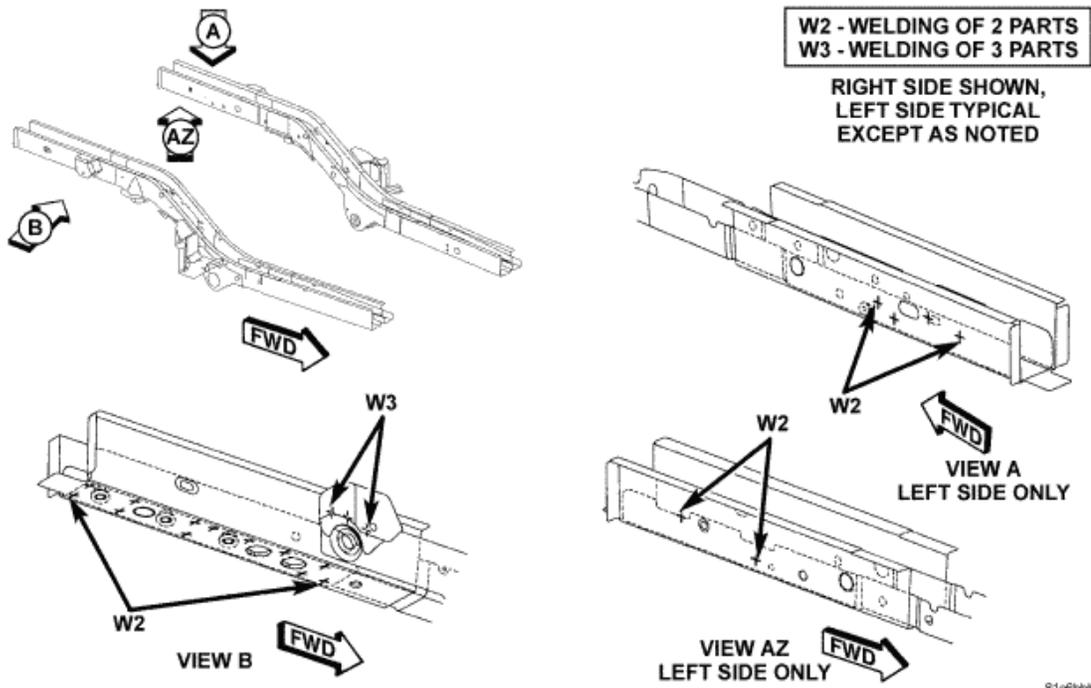


Fig. 697: Rear Rail Assembly (9 Of 10)
Courtesy of CHRYSLER LLC

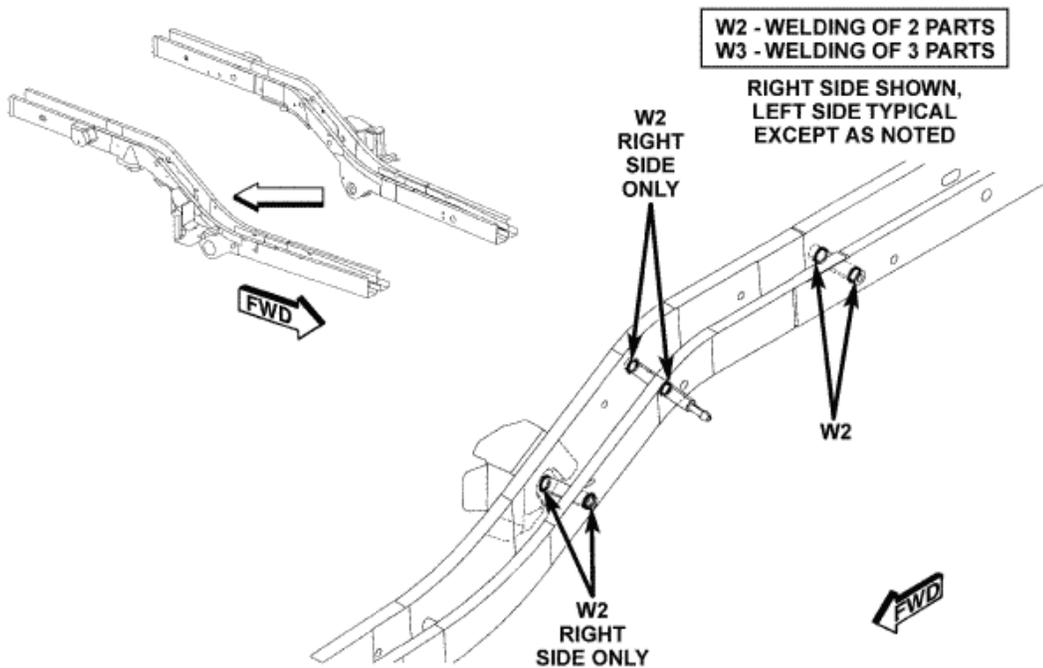
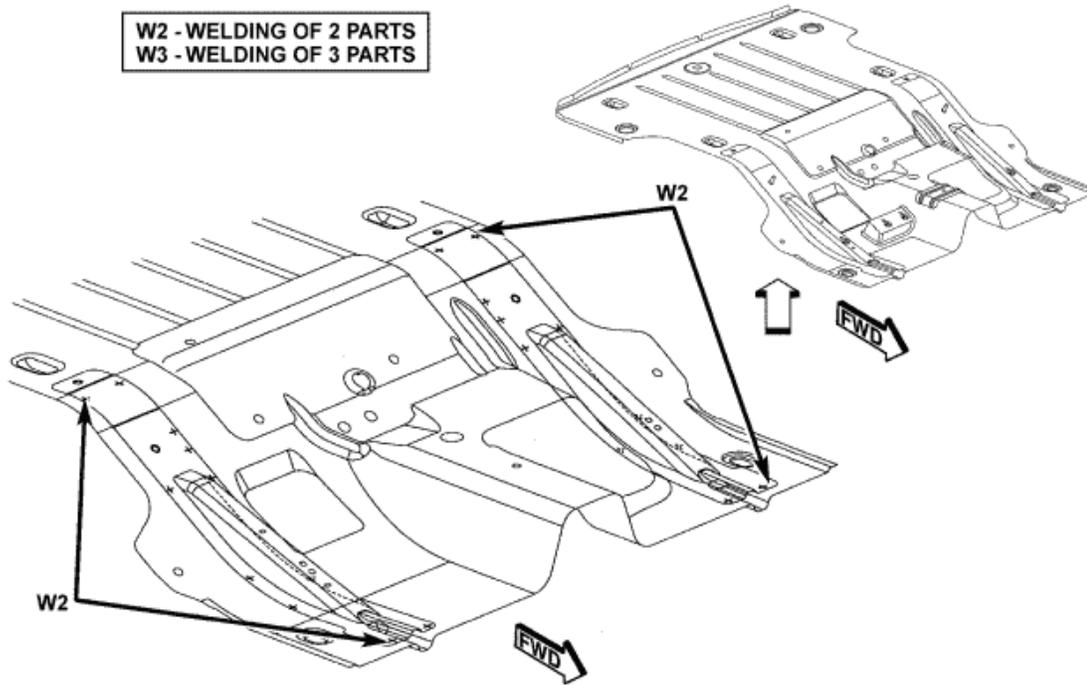


Fig. 698: Rear Rail Assembly (10 Of 10)
Courtesy of CHRYSLER LLC

REAR FLOOR ASSEMBLY

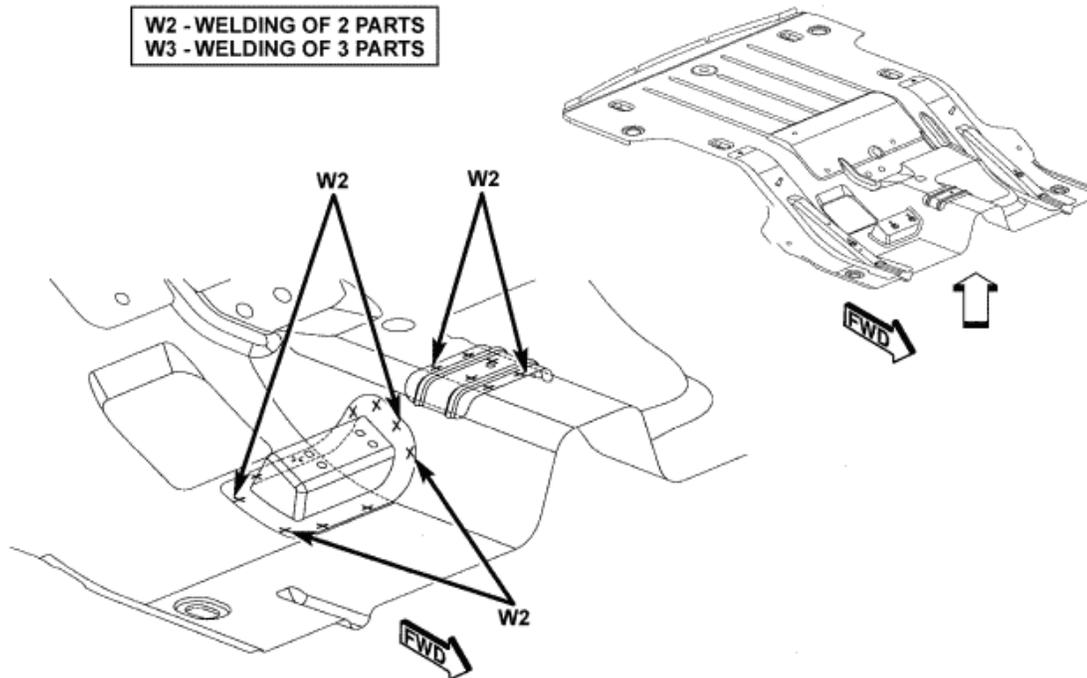
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8bbd4

Fig. 699: Rear Floor Assembly (1 Of 3)
Courtesy of CHRYSLER LLC

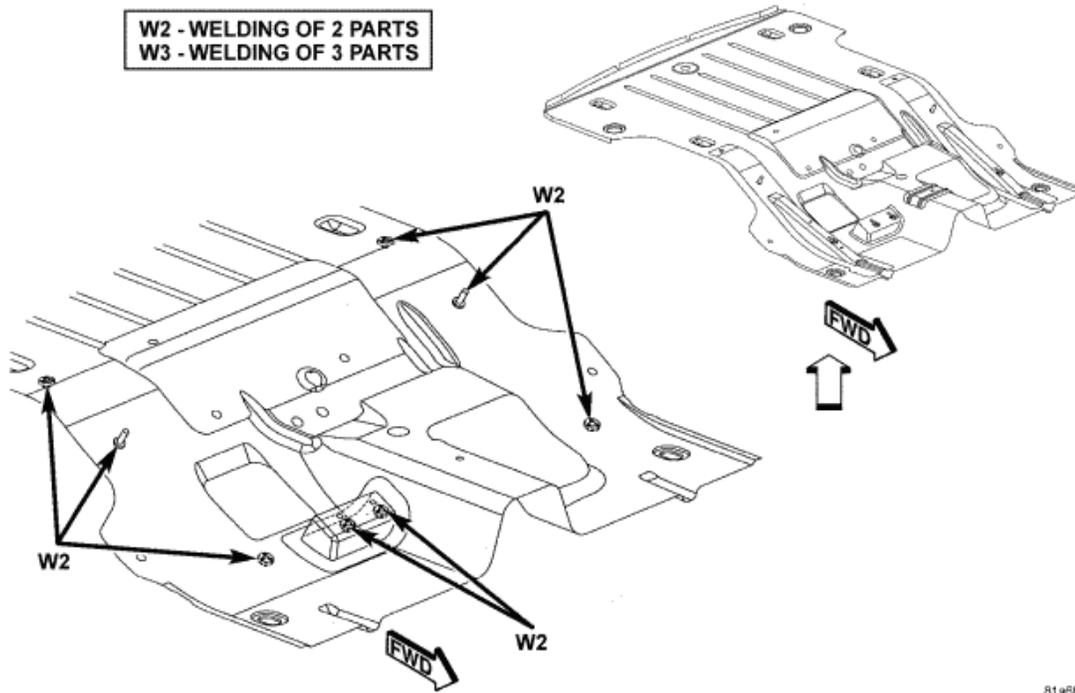


81a8bbde

Fig. 700: Rear Floor Assembly (2 Of 3)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

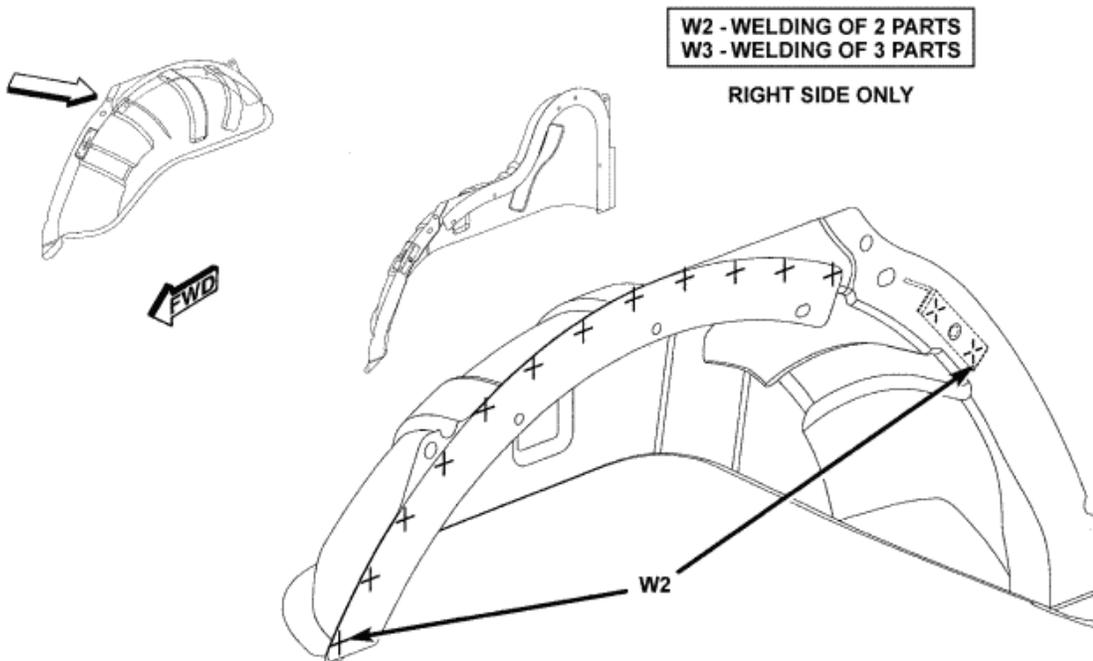
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8bbe3

Fig. 701: Rear Floor Assembly (3 Of 3)
Courtesy of CHRYSLER LLC

REAR WHEELHOUSE



81a8bbe7

Fig. 702: Rear Wheelhouse (1 Of 2)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

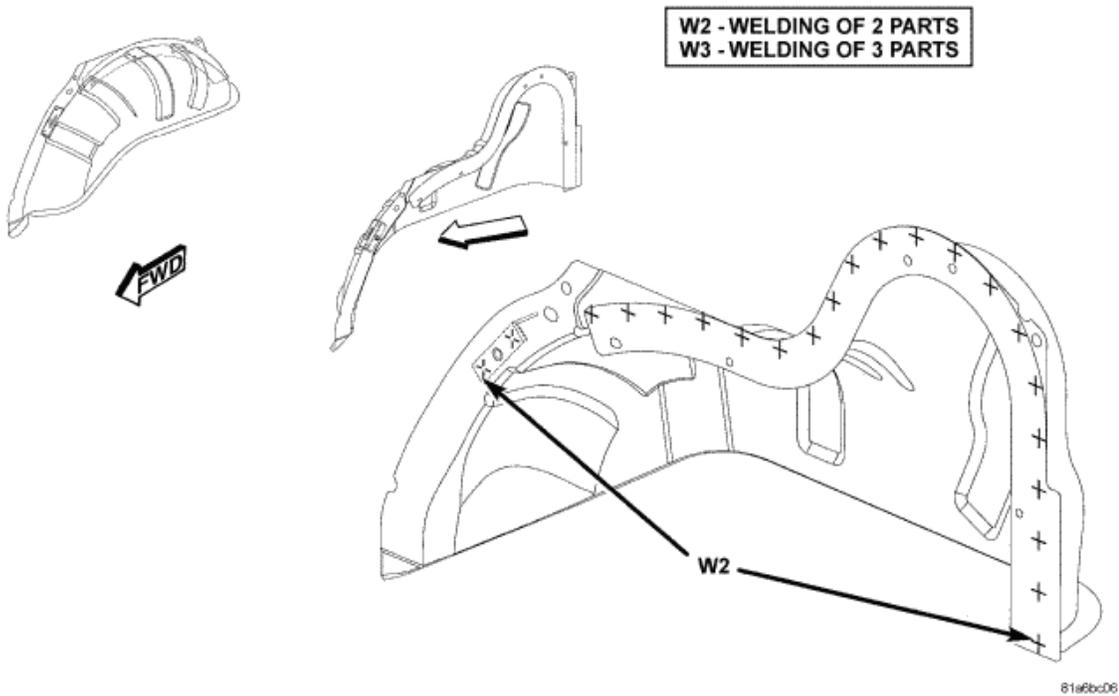


Fig. 703: Rear Wheelhouse (2 Of 2)
Courtesy of CHRYSLER LLC

REAR FLOOR COMPLETE

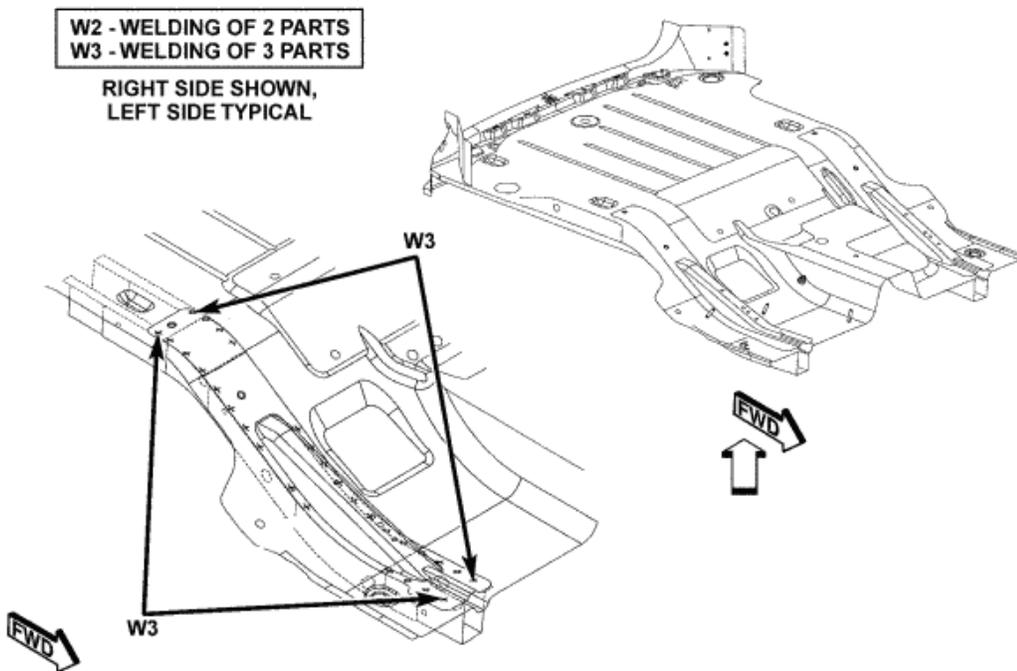


Fig. 704: Rear Floor Complete (1 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

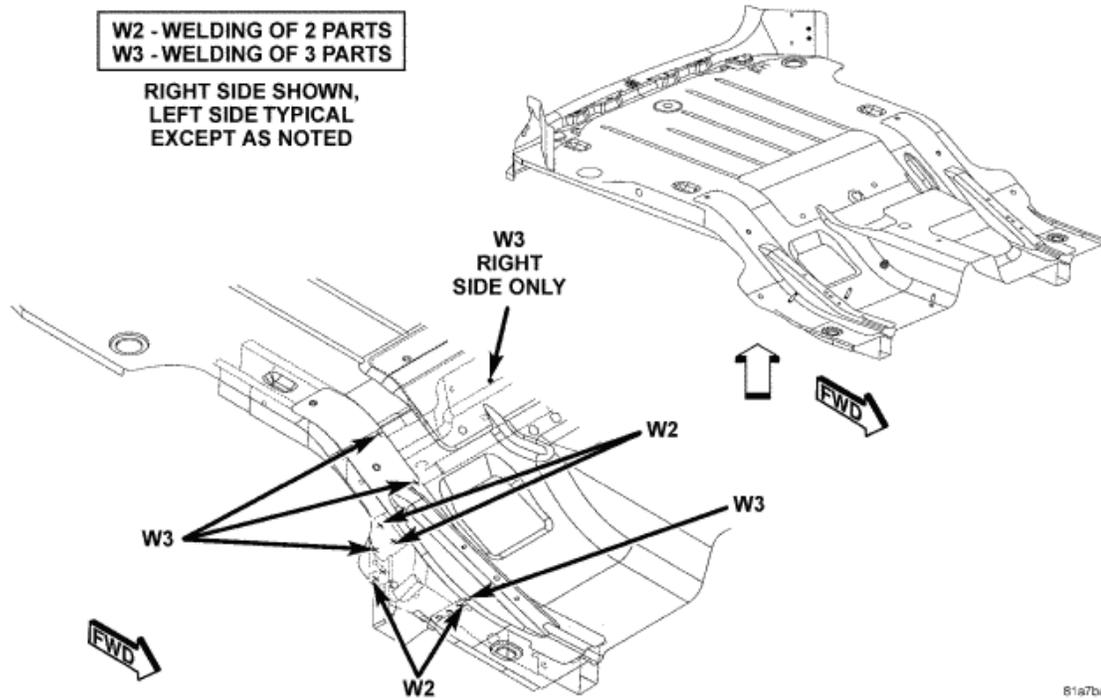


Fig. 705: Rear Floor Complete (2 Of 11)
Courtesy of CHRYSLER LLC

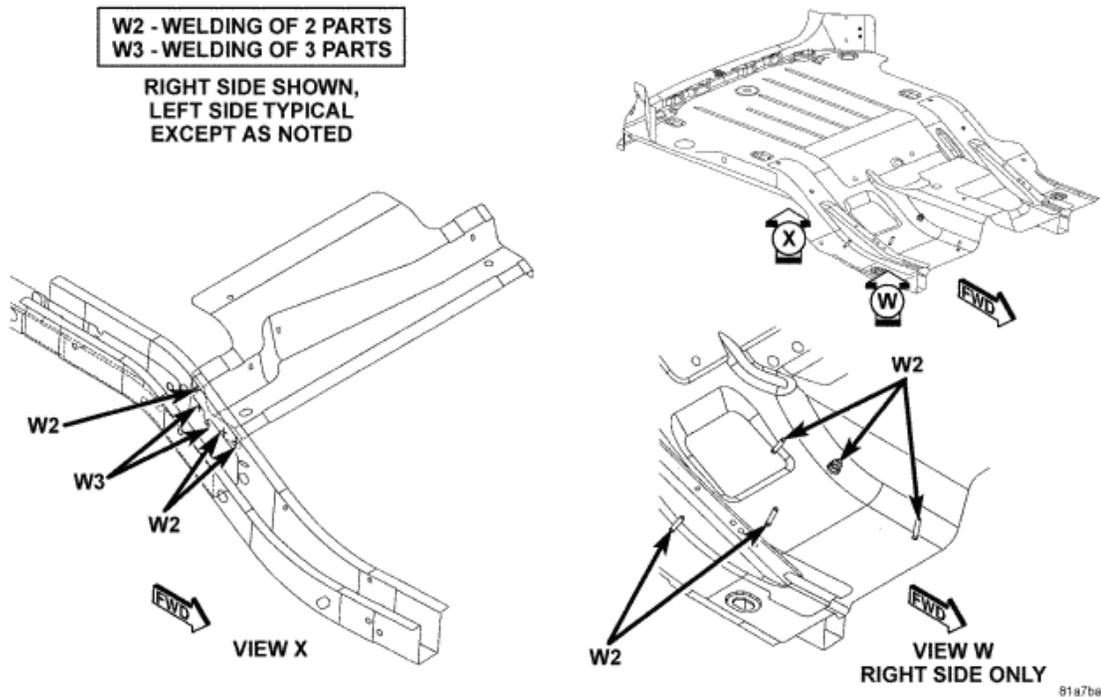


Fig. 706: Rear Floor Complete (3 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

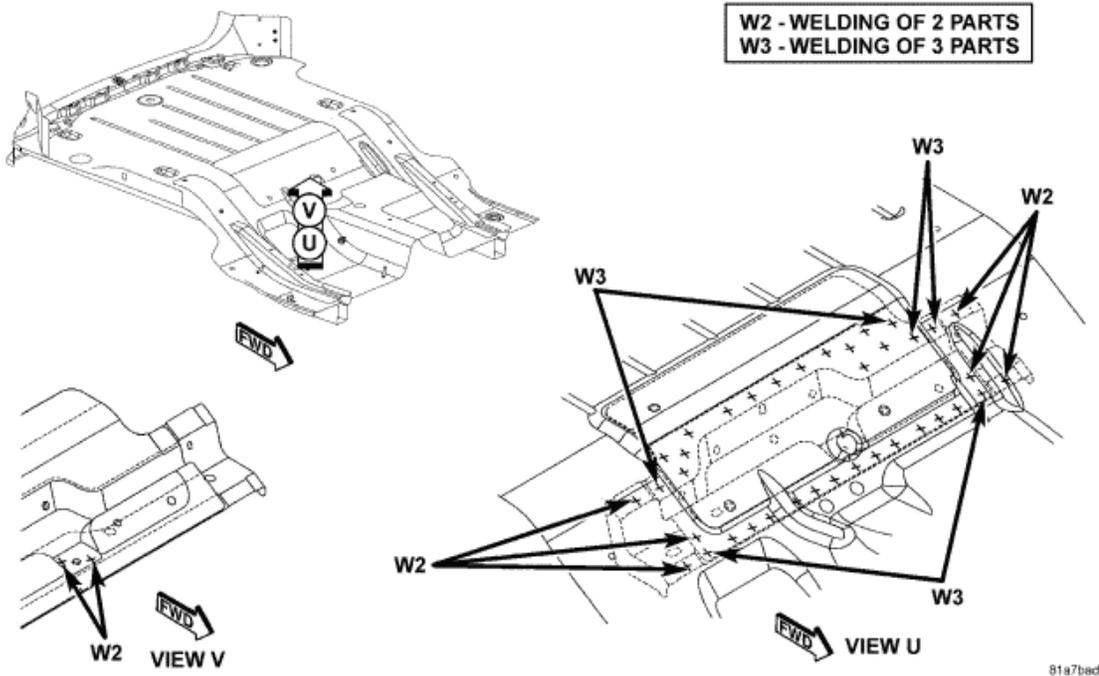


Fig. 707: Rear Floor Complete (4 Of 11)
Courtesy of CHRYSLER LLC

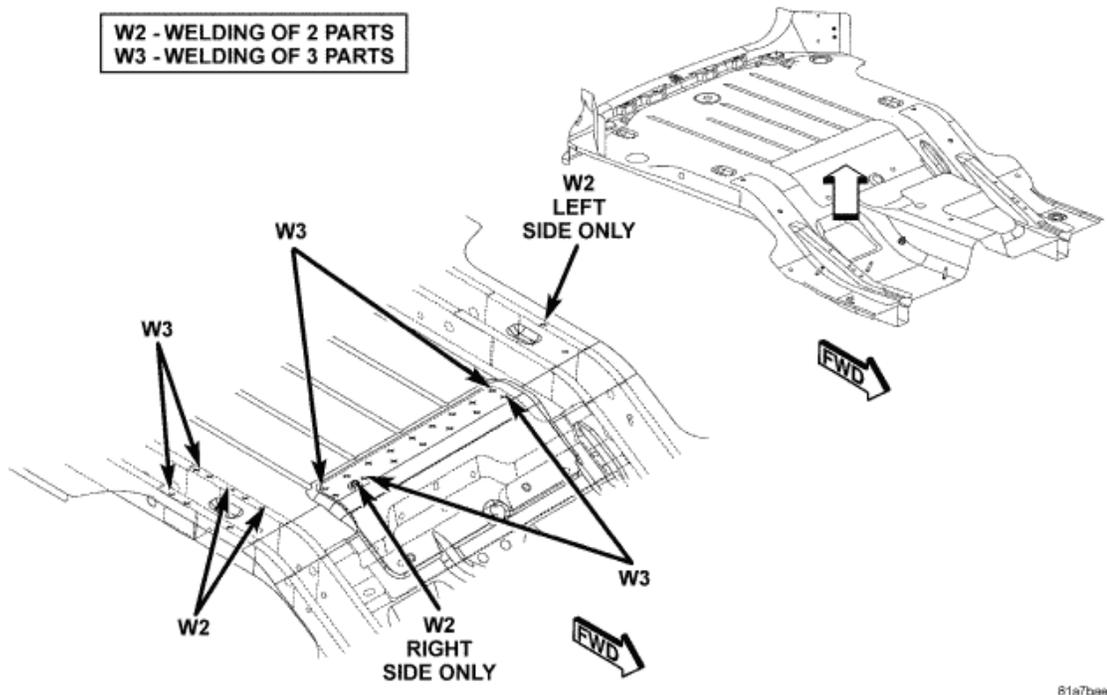


Fig. 708: Rear Floor Complete (5 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

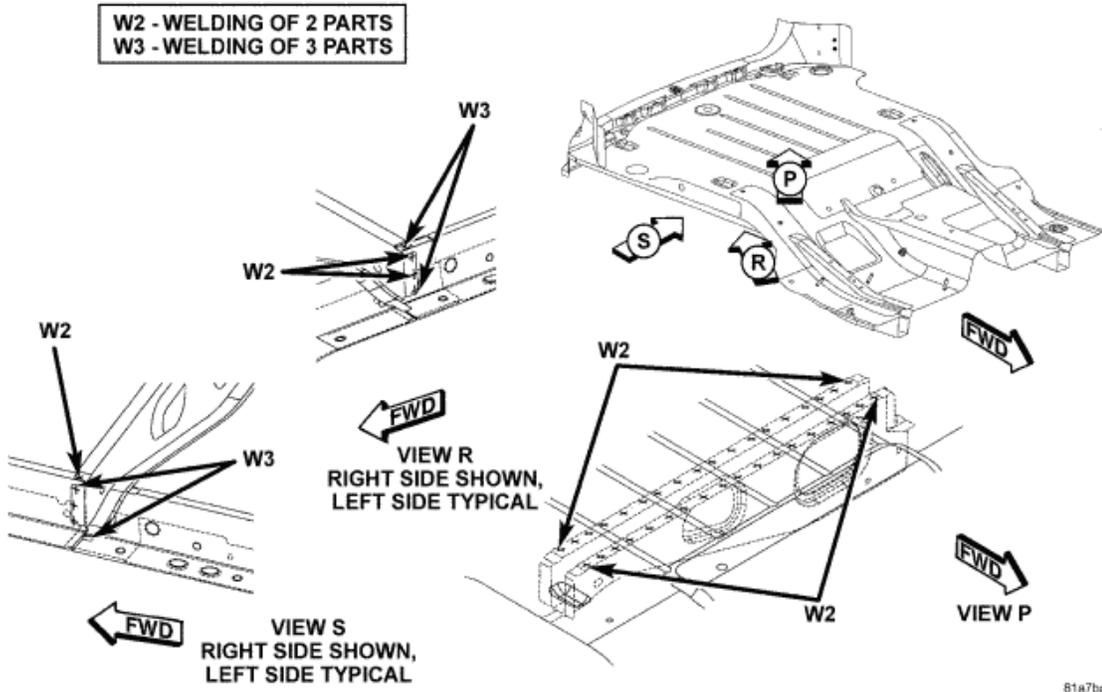


Fig. 709: Rear Floor Complete (6 Of 11)
Courtesy of CHRYSLER LLC

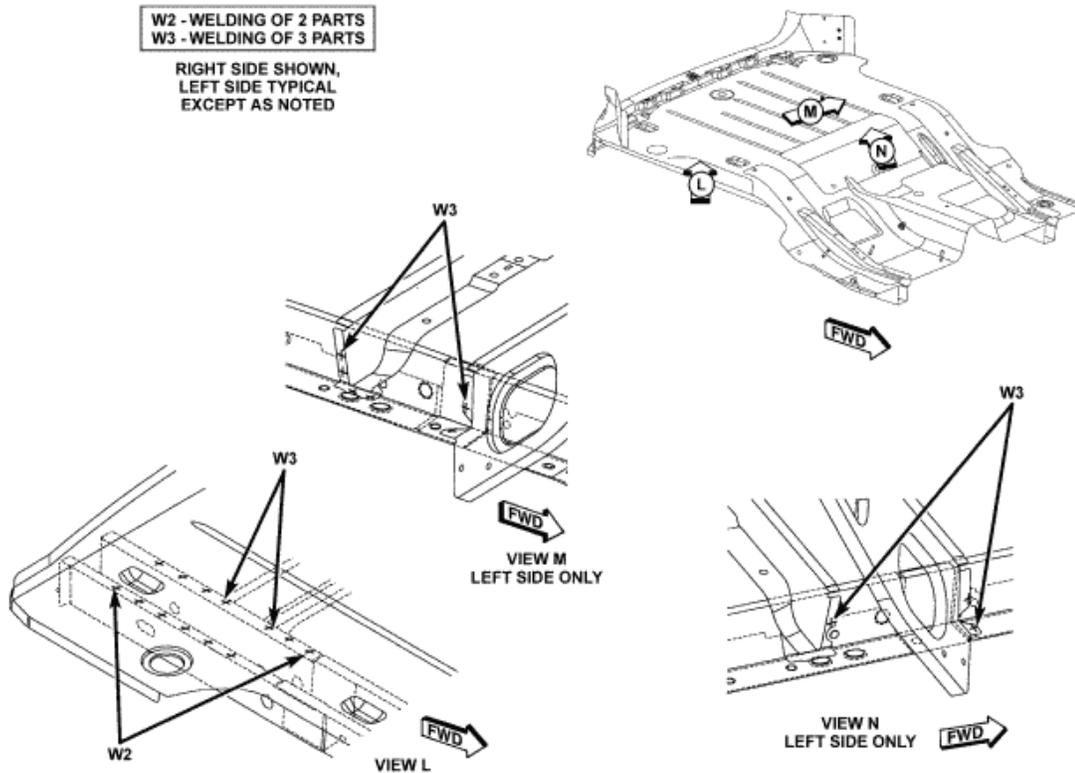


Fig. 710: Rear Floor Complete (7 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

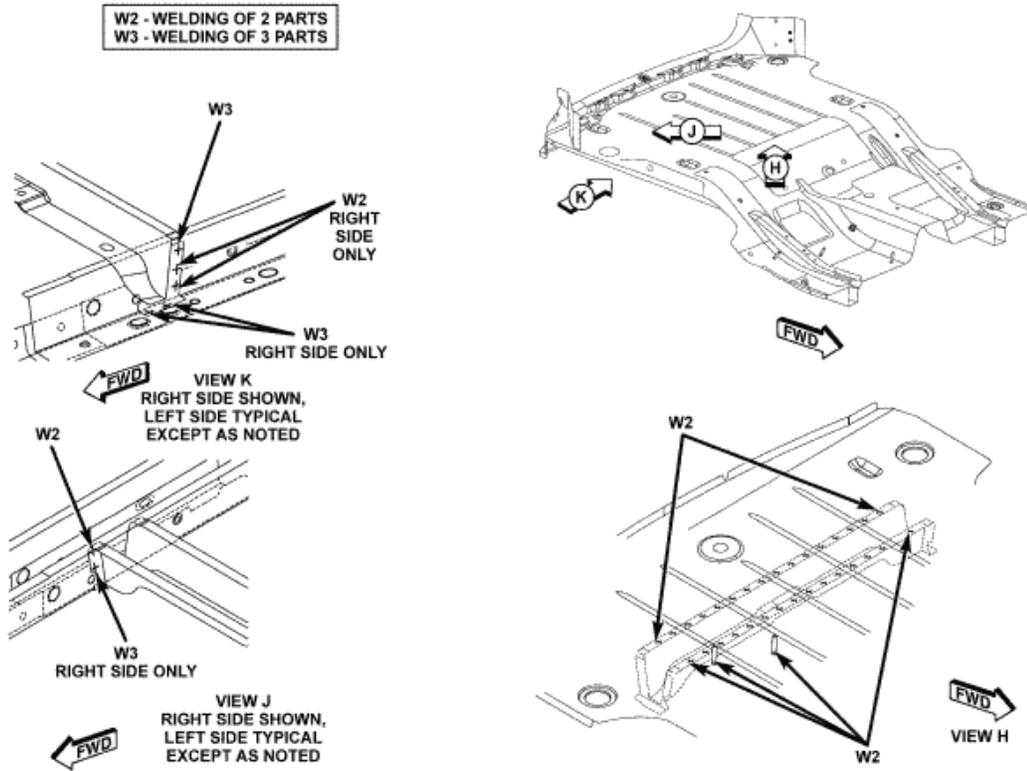


Fig. 711: Rear Floor Complete (8 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

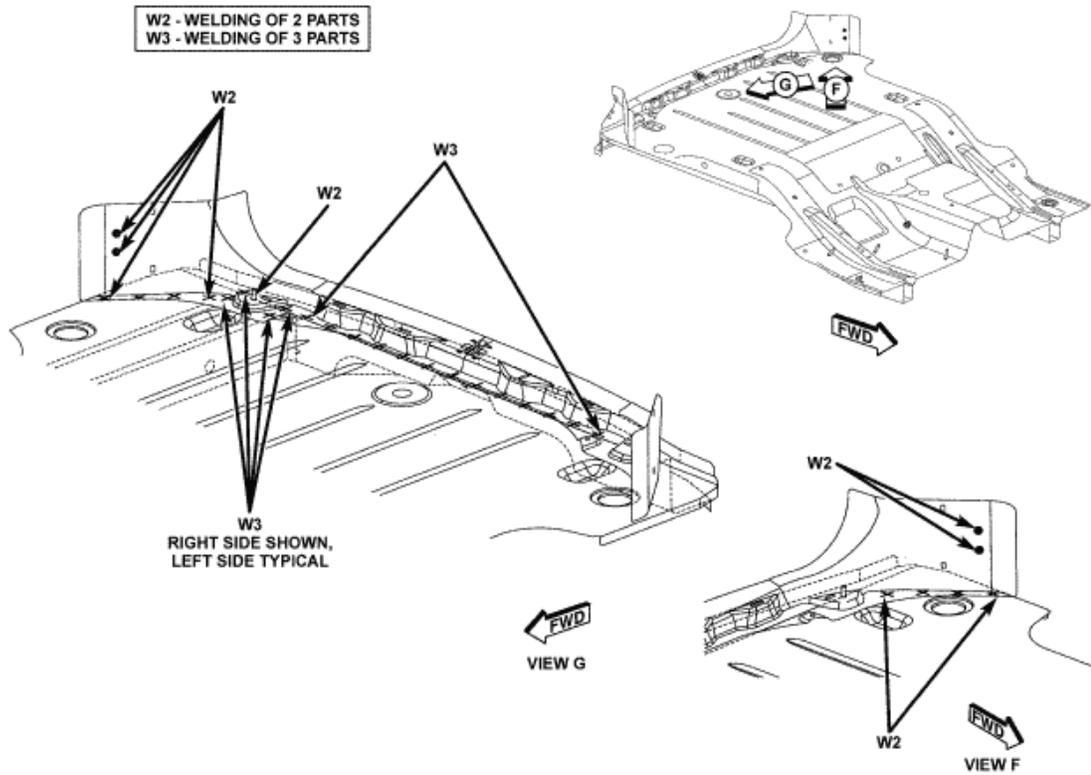


Fig. 712: Rear Floor Complete (9 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

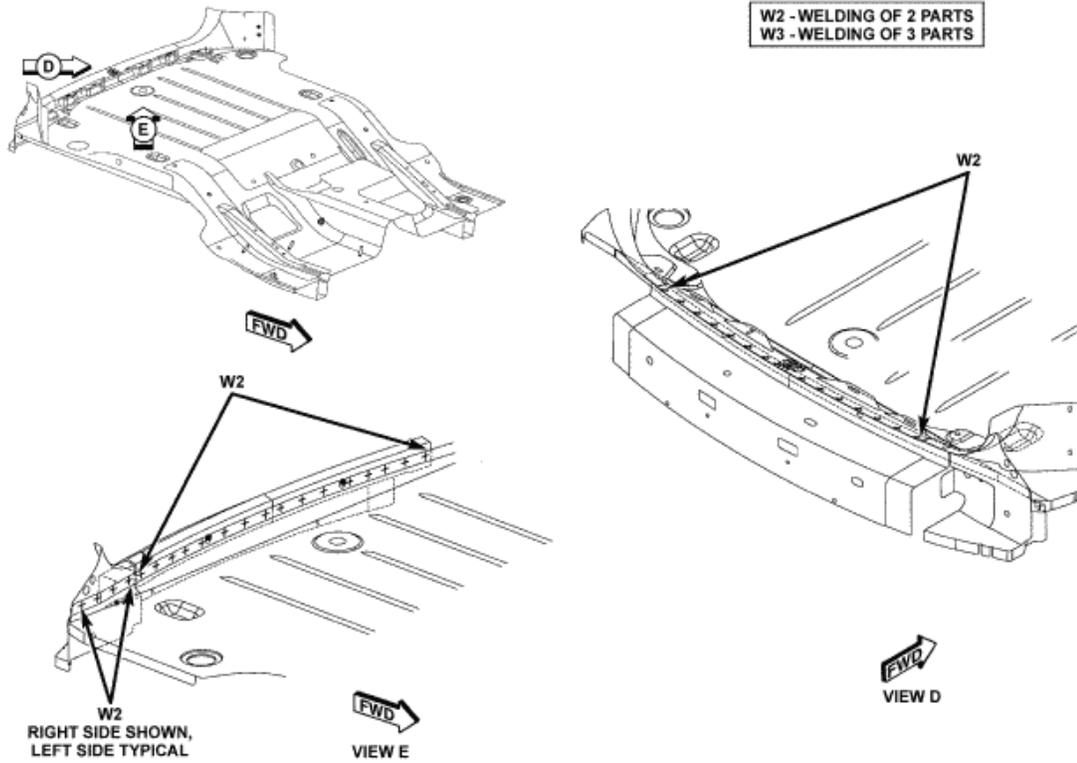


Fig. 713: Rear Floor Complete (10 Of 11)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

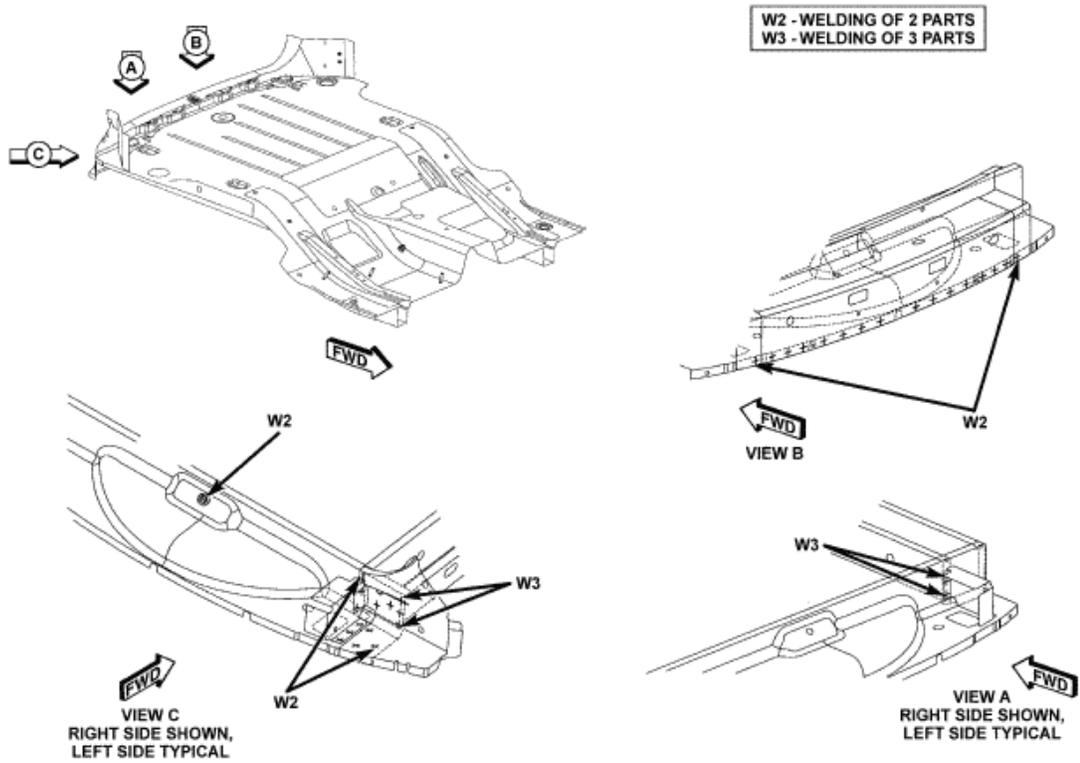


Fig. 714: Rear Floor Complete (11 Of 11)
Courtesy of CHRYSLER LLC

UNDERBODY COMPLETE

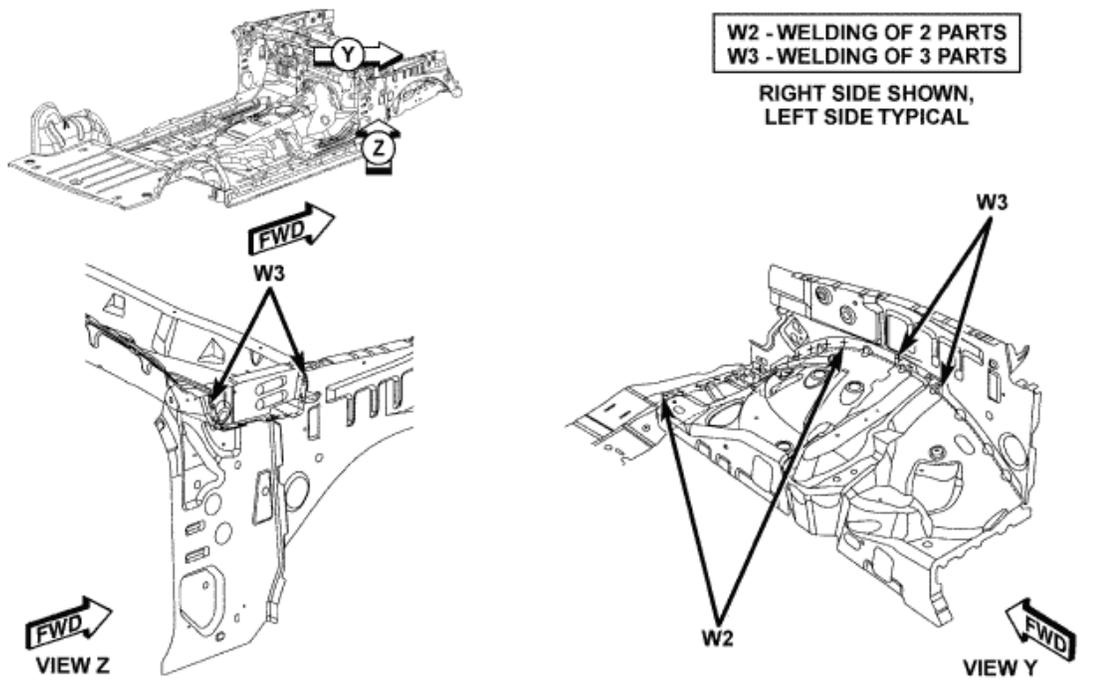
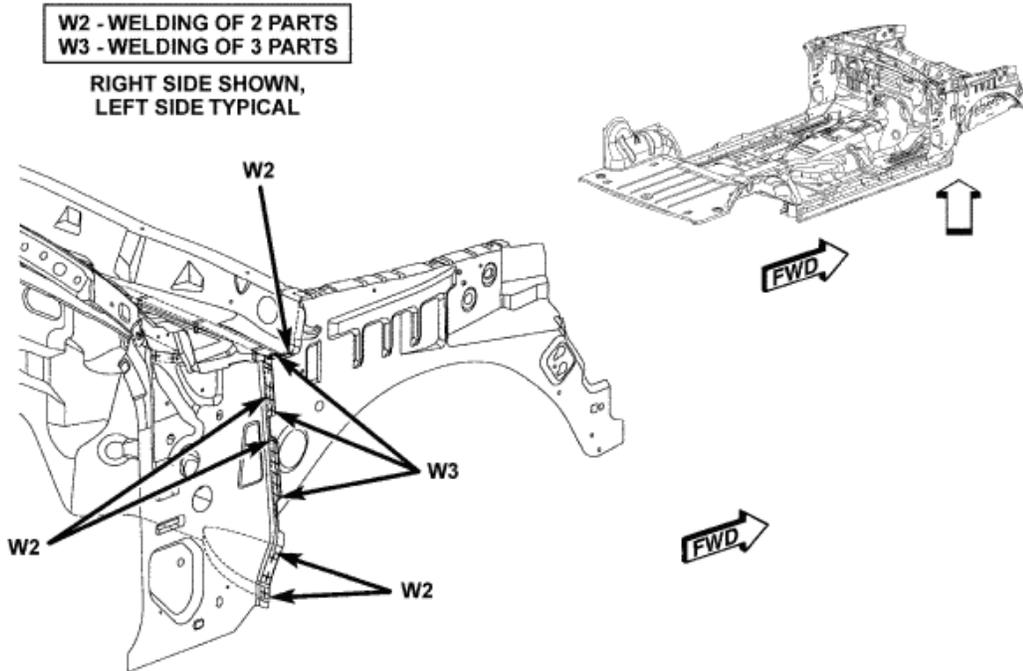
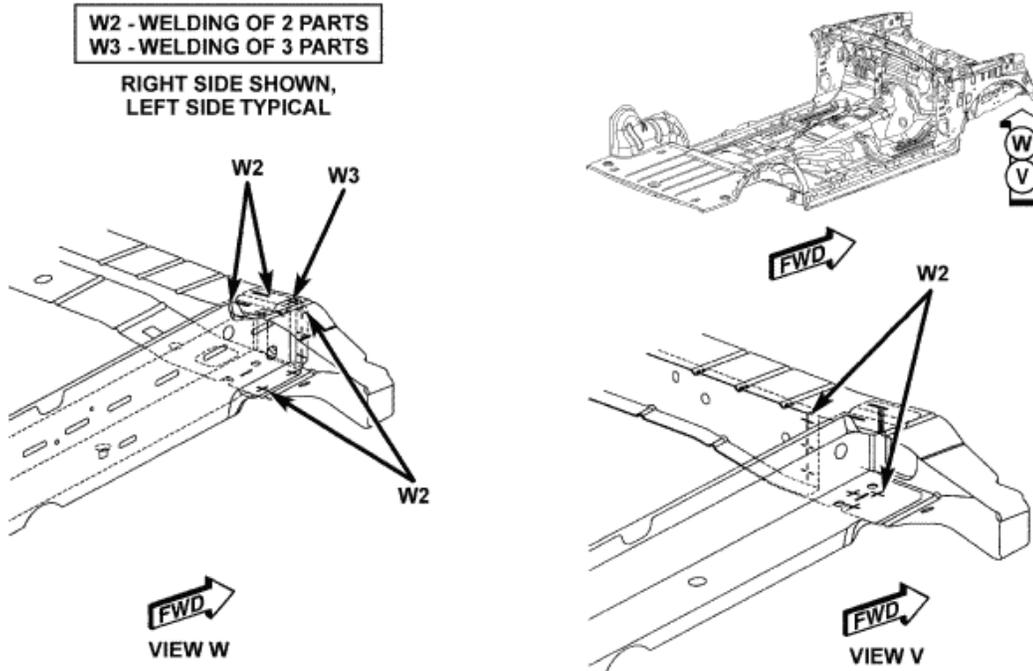


Fig. 715: Underbody Complete (1 Of 12)
Courtesy of CHRYSLER LLC



81a811b5

Fig. 716: Underbody Complete (2 Of 12)
Courtesy of CHRYSLER LLC



81a811c1

Fig. 717: Underbody Complete (3 Of 12)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

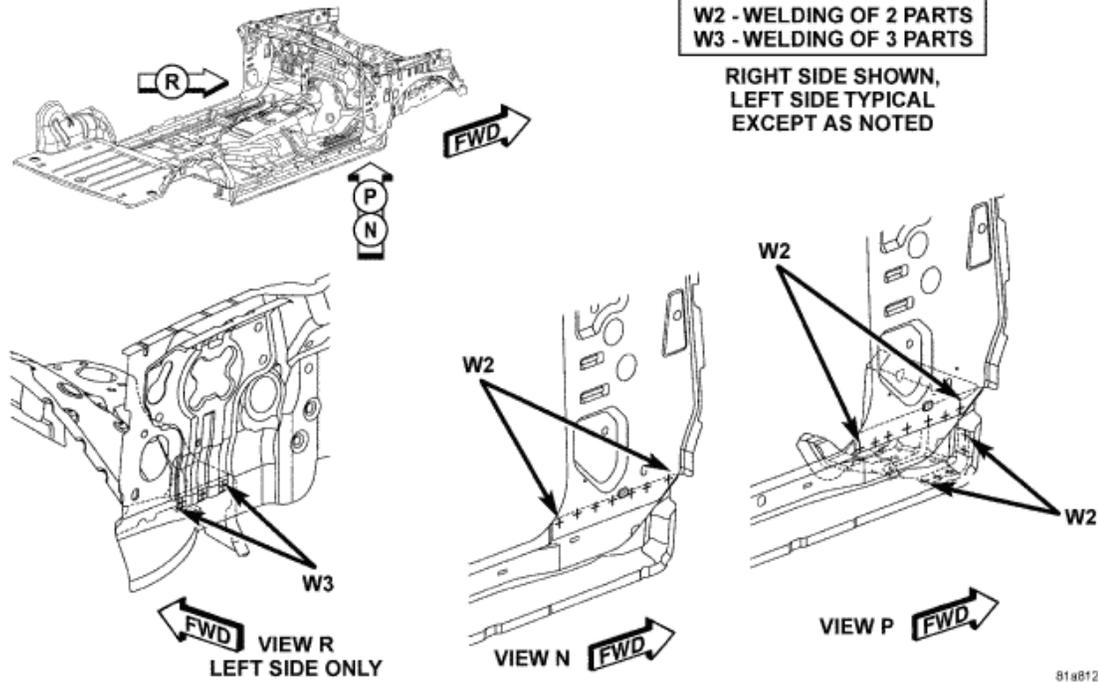


Fig. 720: Underbody Complete (6 Of 12)
Courtesy of CHRYSLER LLC

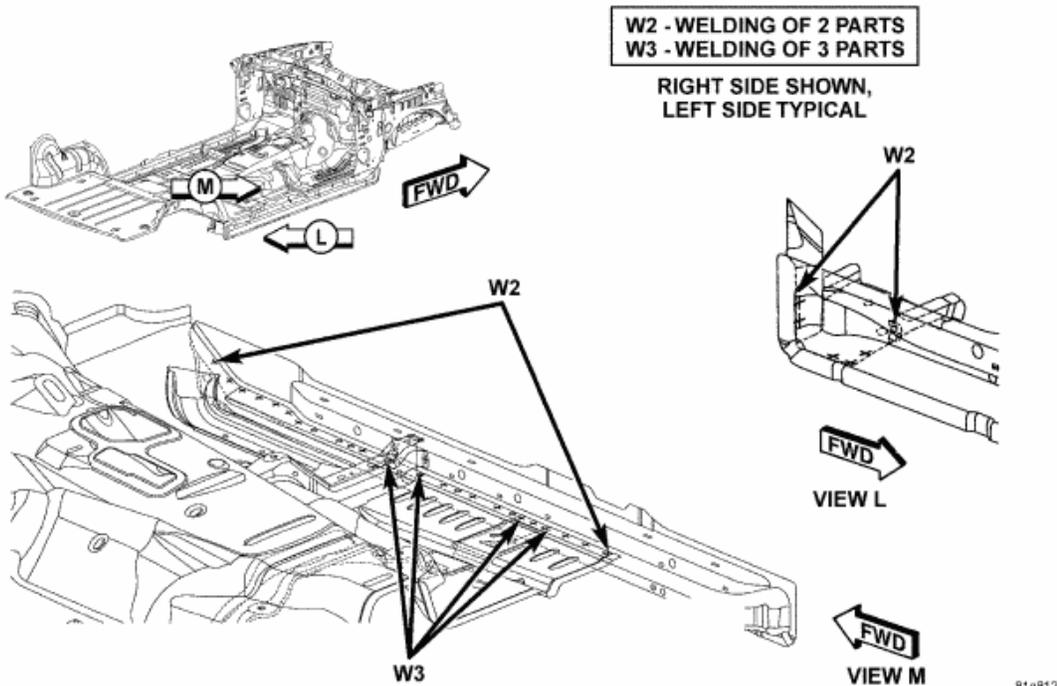


Fig. 721: Underbody Complete (7 Of 12)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

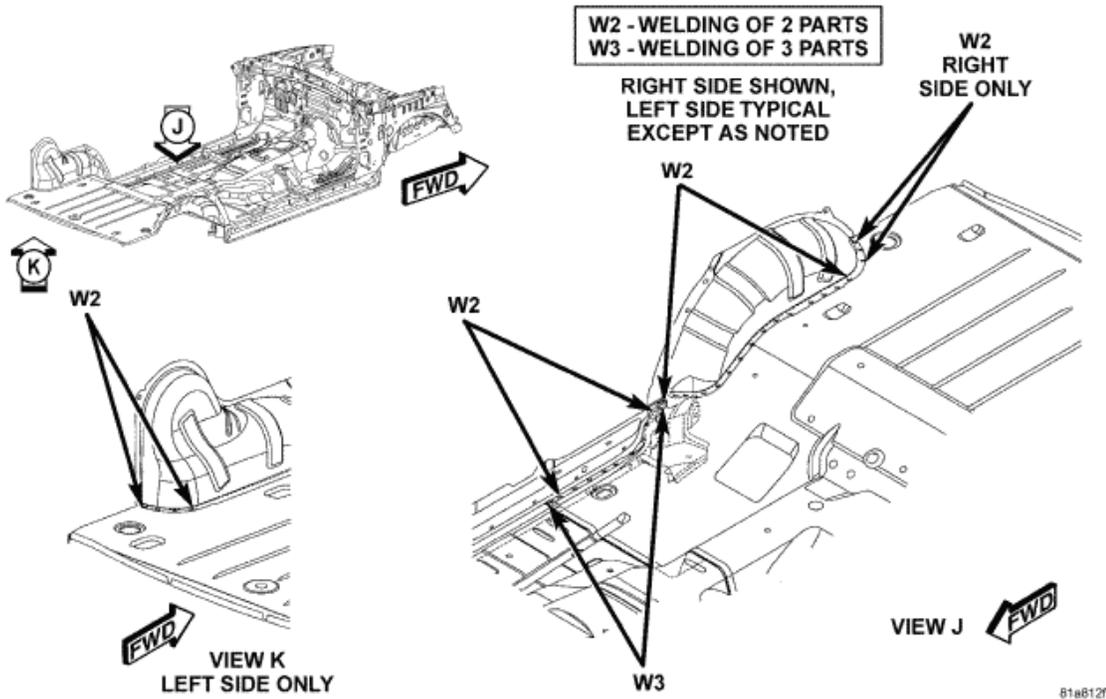


Fig. 722: Underbody Complete (8 Of 12)
Courtesy of CHRYSLER LLC

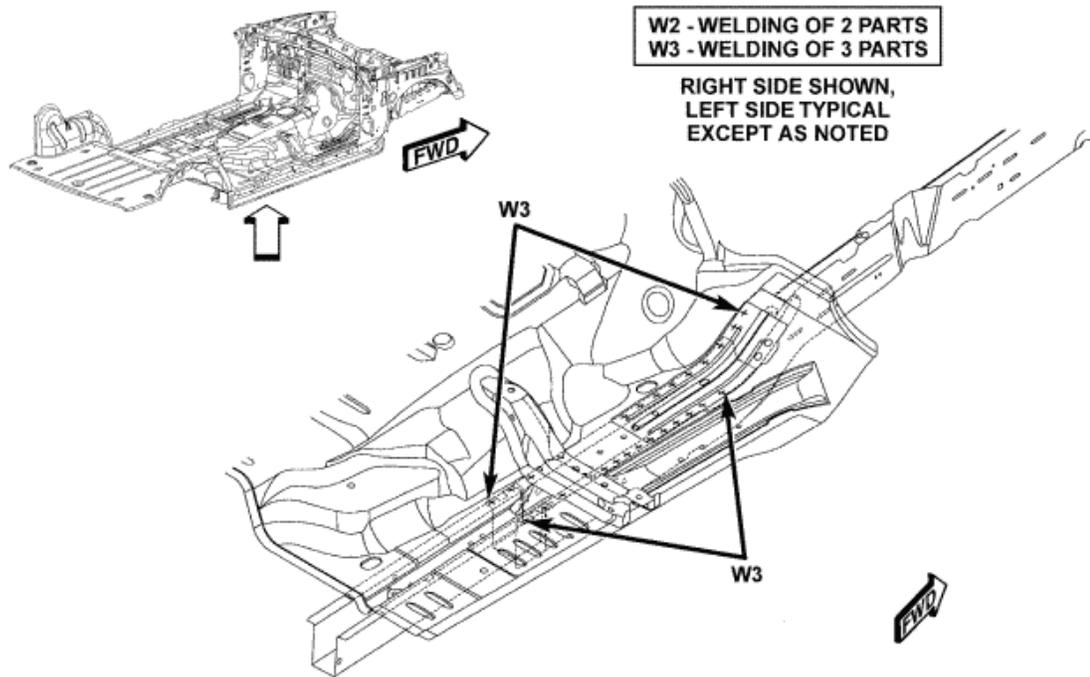


Fig. 723: Underbody Complete (9 Of 12)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

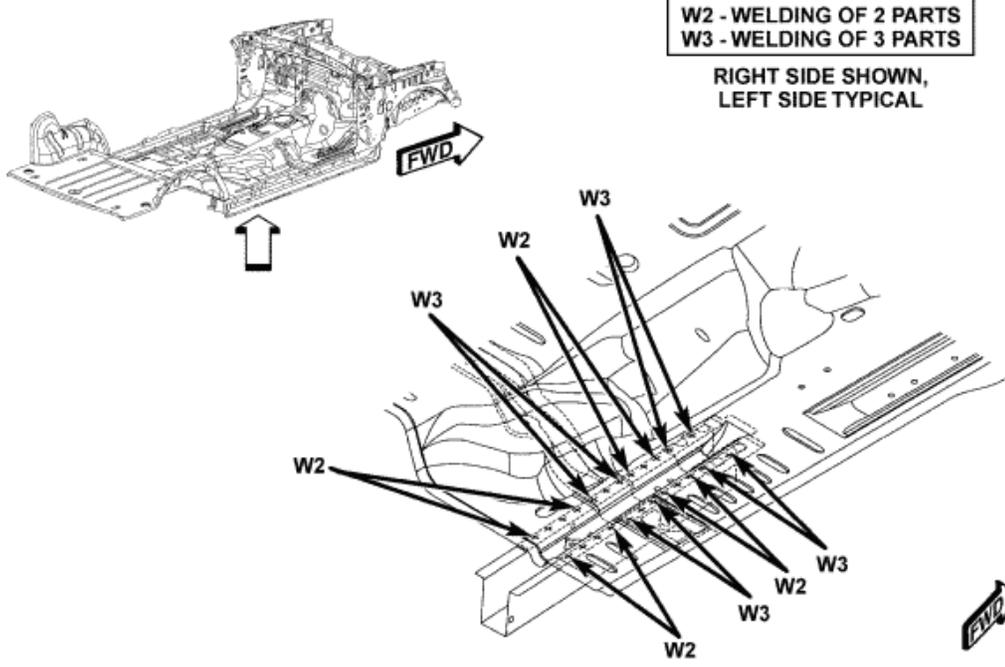


Fig. 724: Underbody Complete (10 Of 12)
Courtesy of CHRYSLER LLC

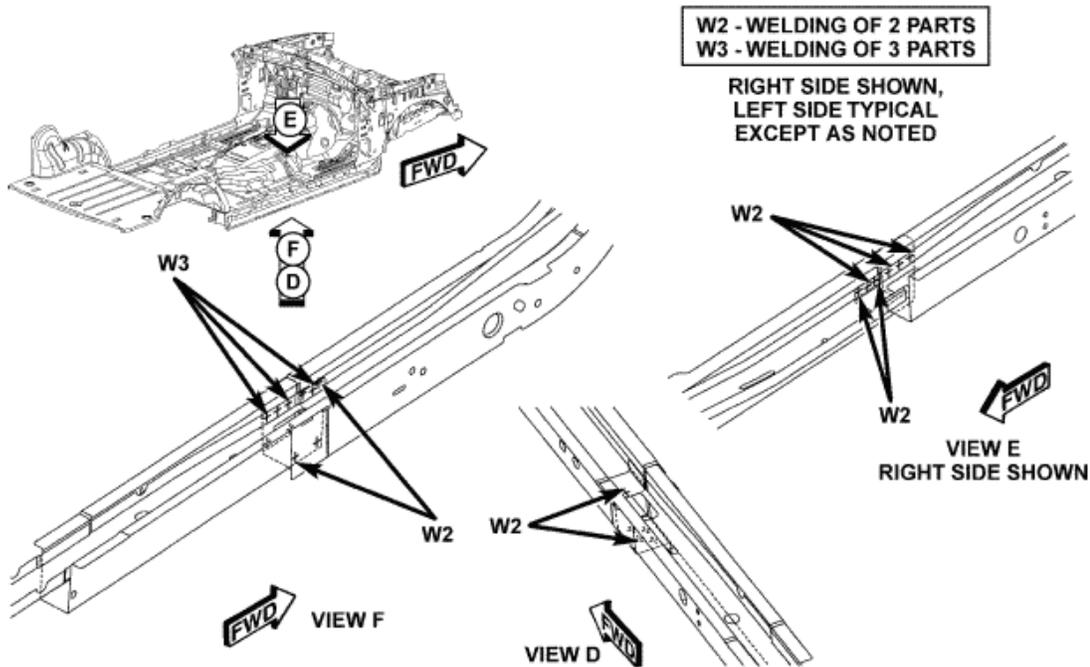
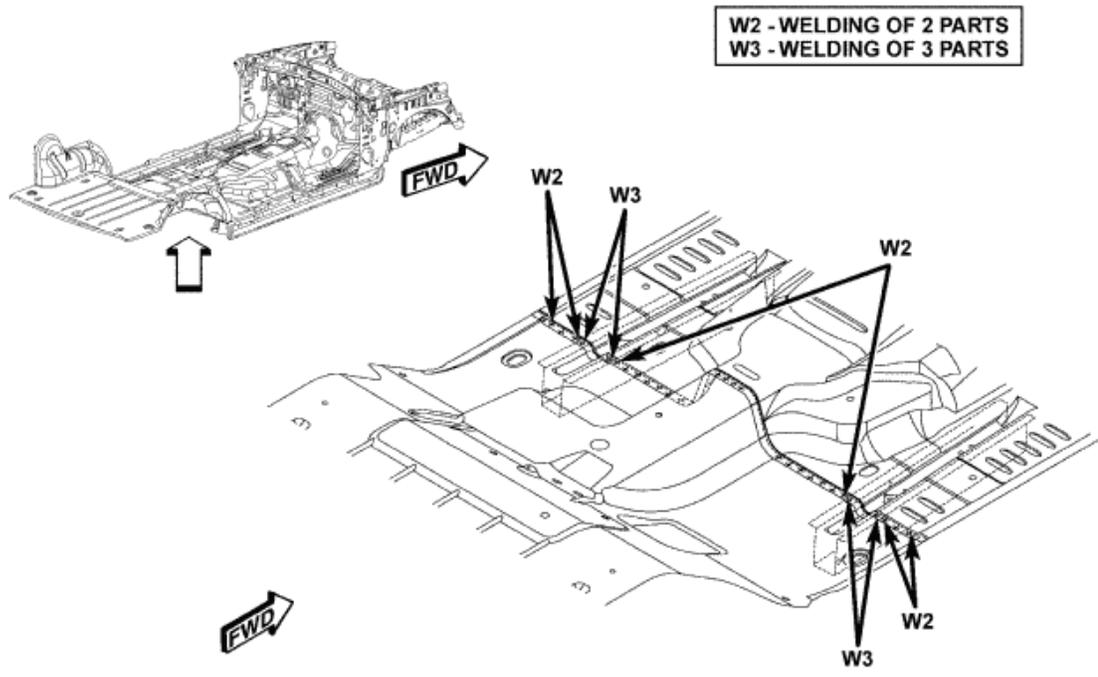


Fig. 725: Underbody Complete (11 Of 12)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

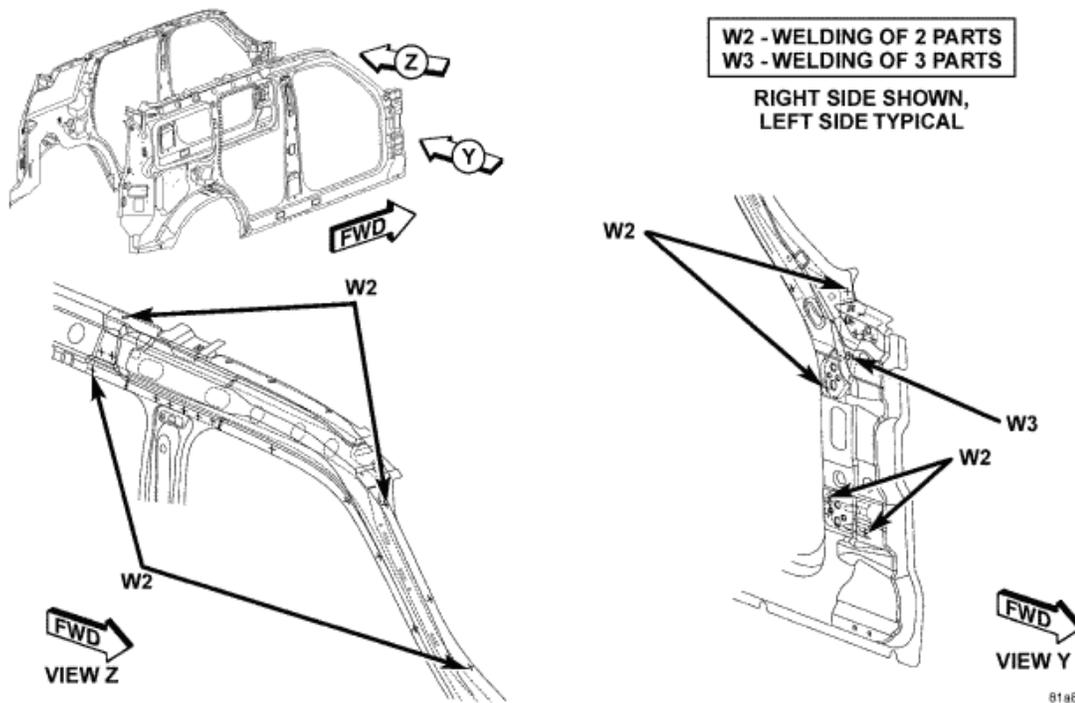
2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a813ab

Fig. 726: Underbody Complete (12 Of 12)
Courtesy of CHRYSLER LLC

BODY SIDE APERTURE INNER

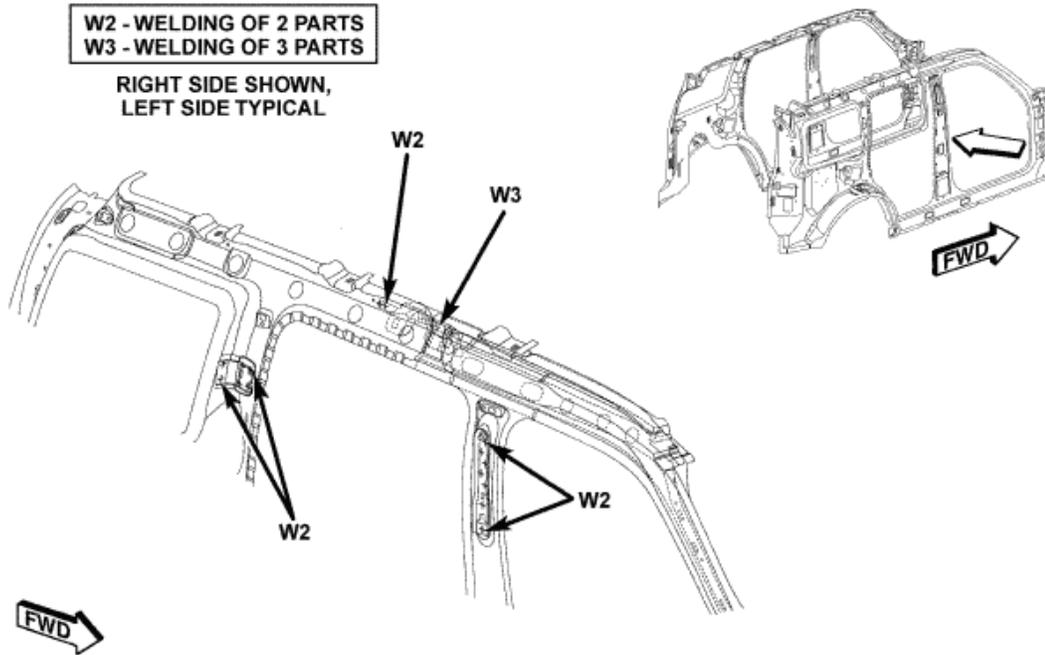


81a814bd

Fig. 727: BODY SIDE APERTURE INNER (1 OF 4)
Courtesy of CHRYSLER LLC

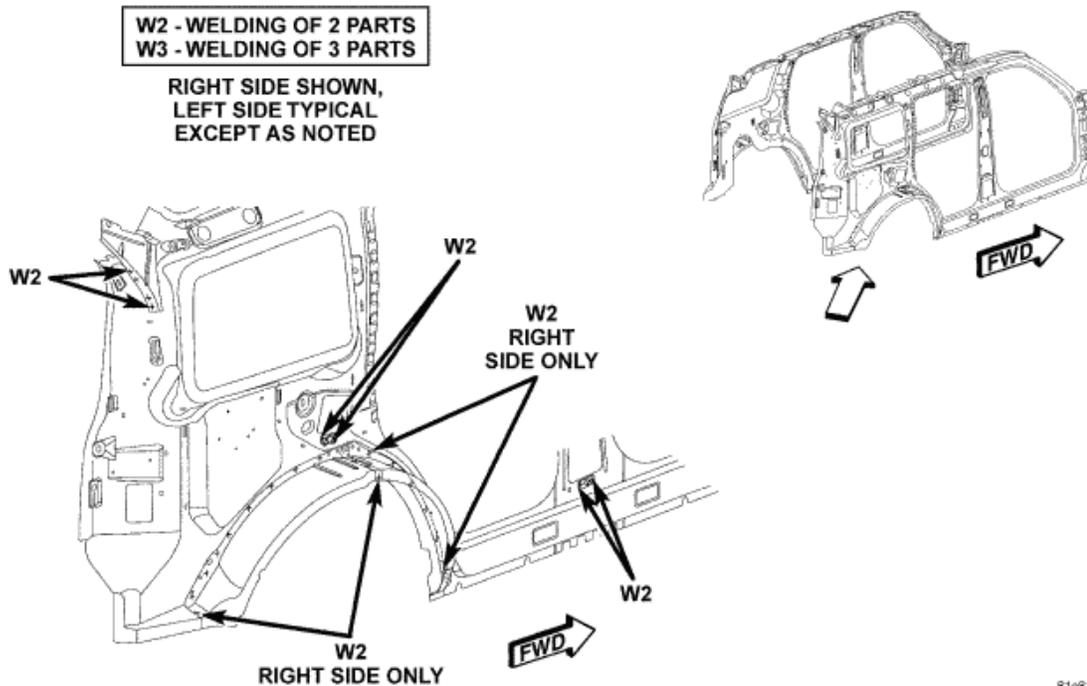
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



61a814c2

Fig. 728: BODY SIDE APERTURE INNER (2 OF 4)
Courtesy of CHRYSLER LLC



61a814c9

Fig. 729: BODY SIDE APERTURE INNER (3 OF 4)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

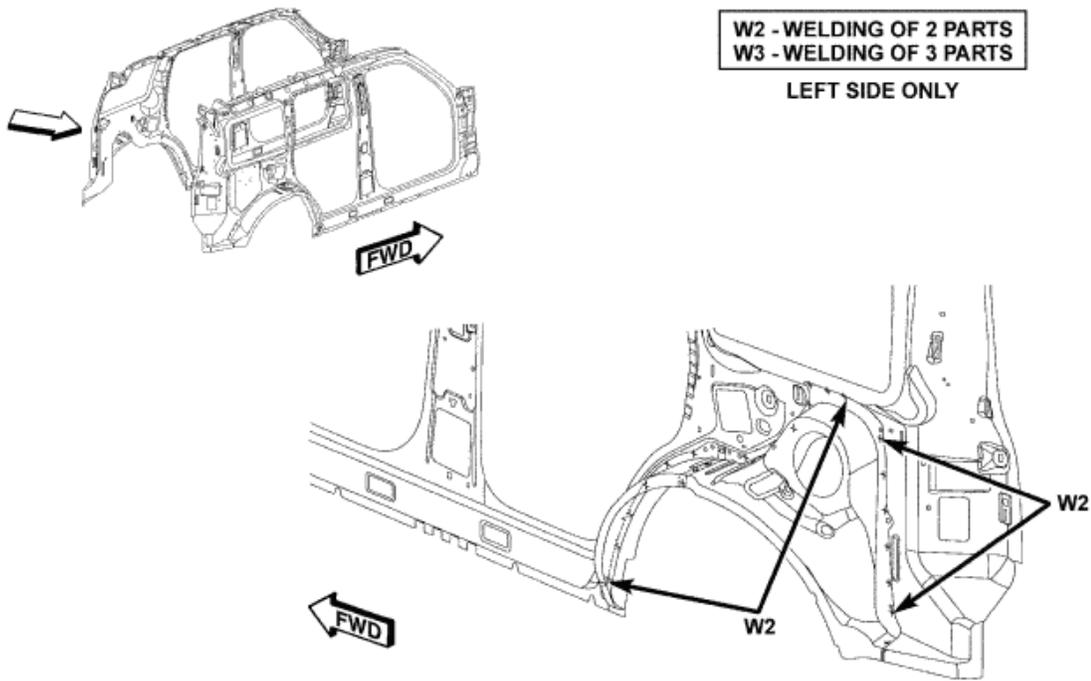


Fig. 730: BODY SIDE APERTURE INNER (4 OF 4)
Courtesy of CHRYSLER LLC

BODY SIDE APERTURE OUTER

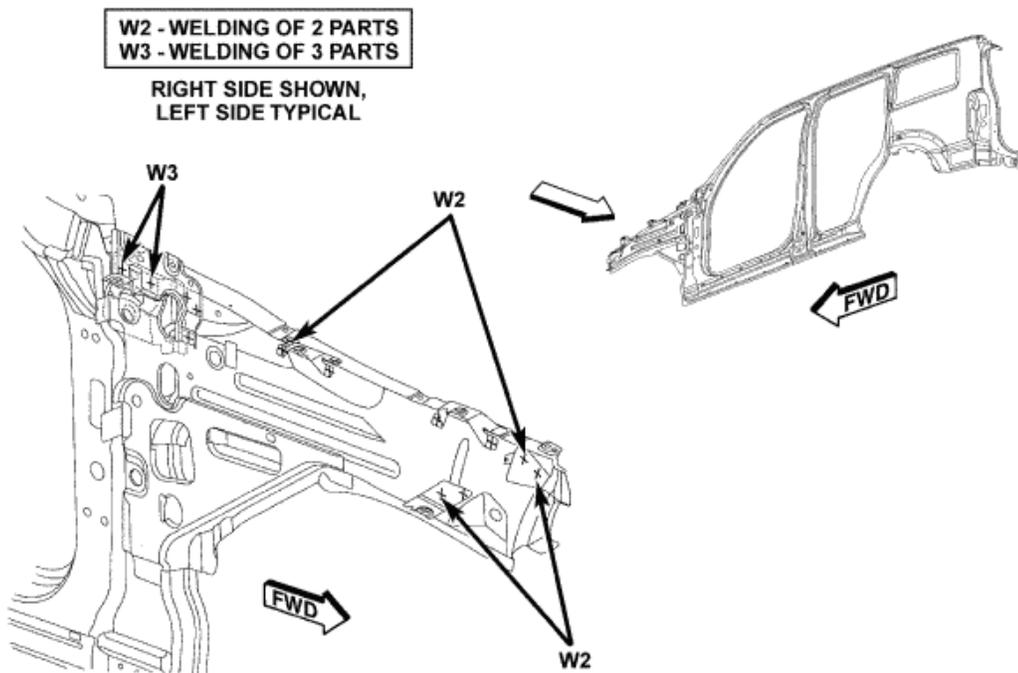


Fig. 731: Body Side Aperture Outer (1 Of 5)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

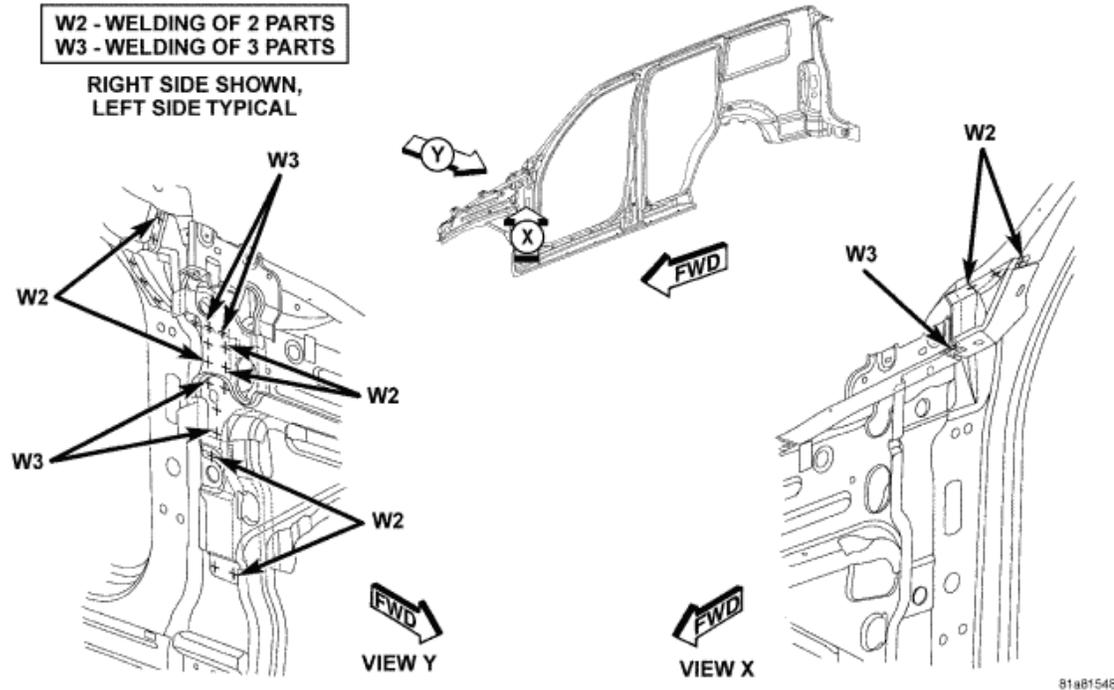


Fig. 732: Body Side Aperture Outer (2 Of 5)
Courtesy of CHRYSLER LLC

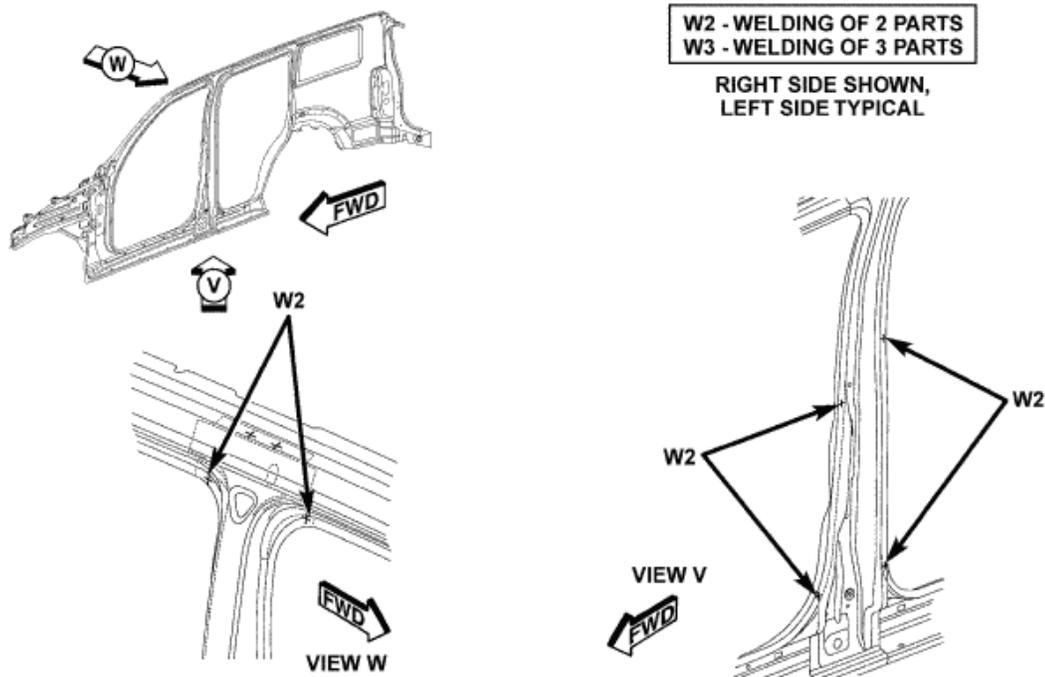


Fig. 733: Body Side Aperture Outer (3 Of 5)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

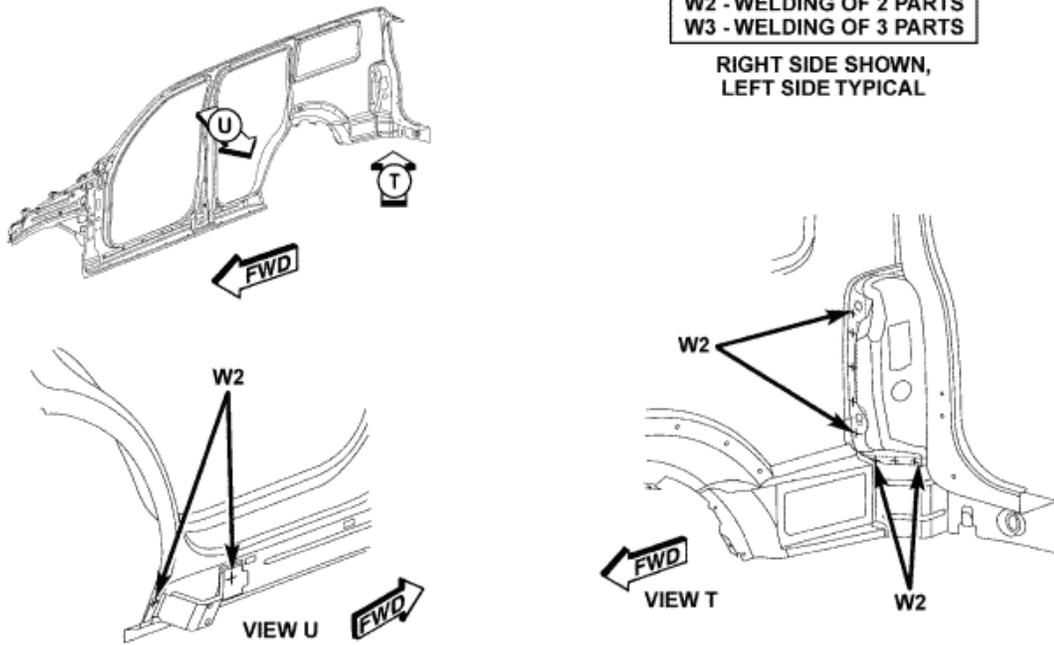


Fig. 734: Body Side Aperture Outer (4 Of 5)
Courtesy of CHRYSLER LLC

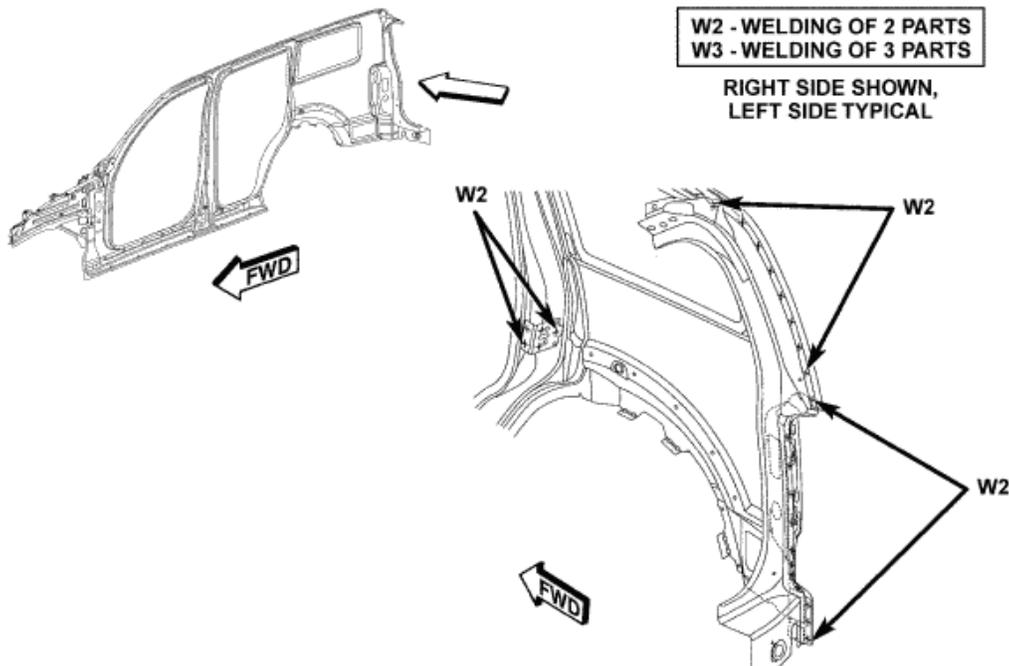
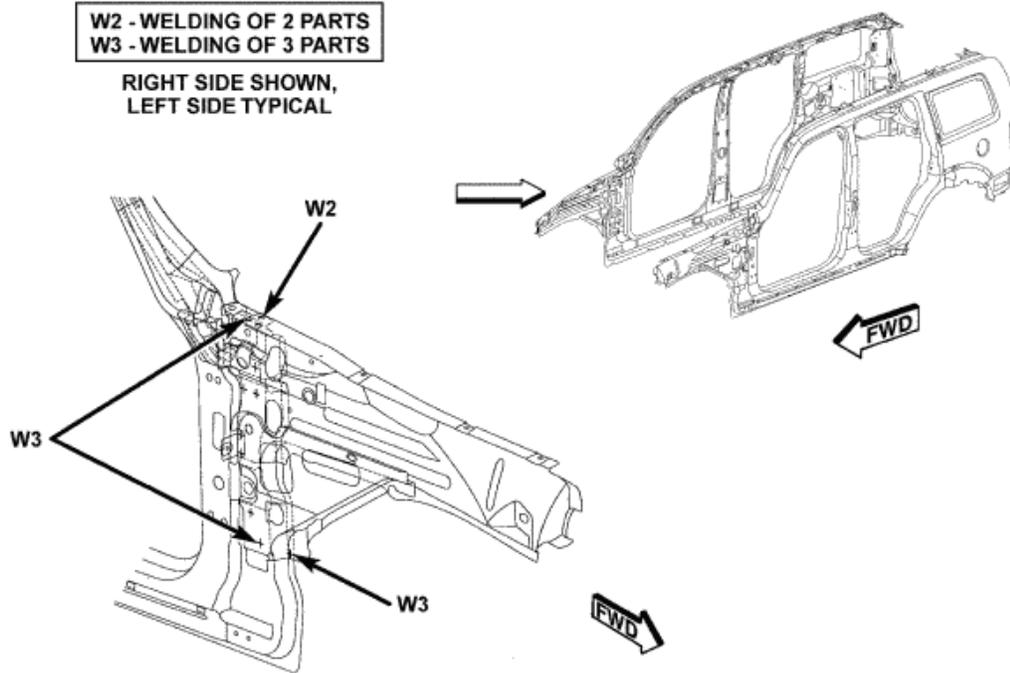


Fig. 735: Body Side Aperture Outer (5 Of 5)
Courtesy of CHRYSLER LLC

BODY SIDE APERTURE COMPLETE

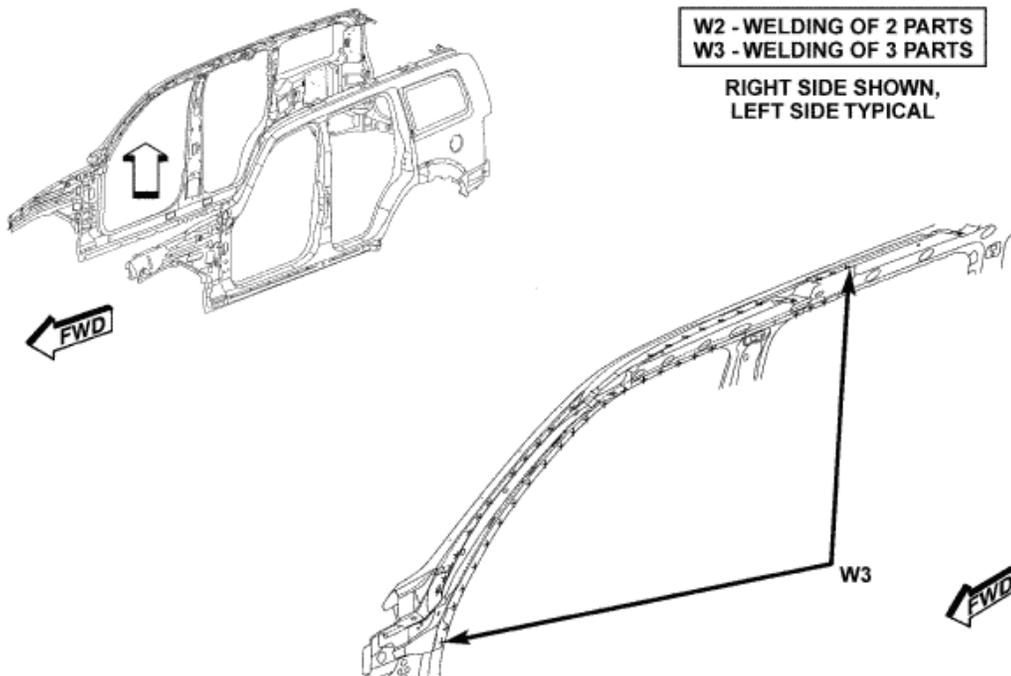
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a8156f

Fig. 736: Body Side Aperture Complete (1 Of 8)
Courtesy of CHRYSLER LLC



81a815ca

Fig. 737: Body Side Aperture Complete (2 Of 8)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

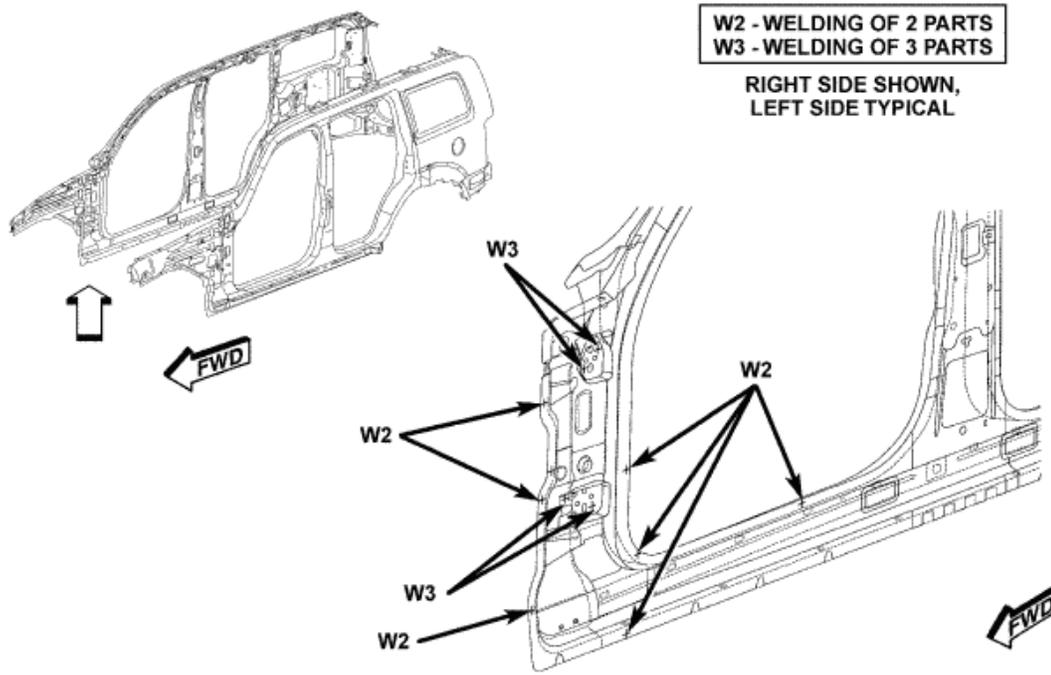


Fig. 738: Body Side Aperture Complete (3 Of 8)
Courtesy of CHRYSLER LLC

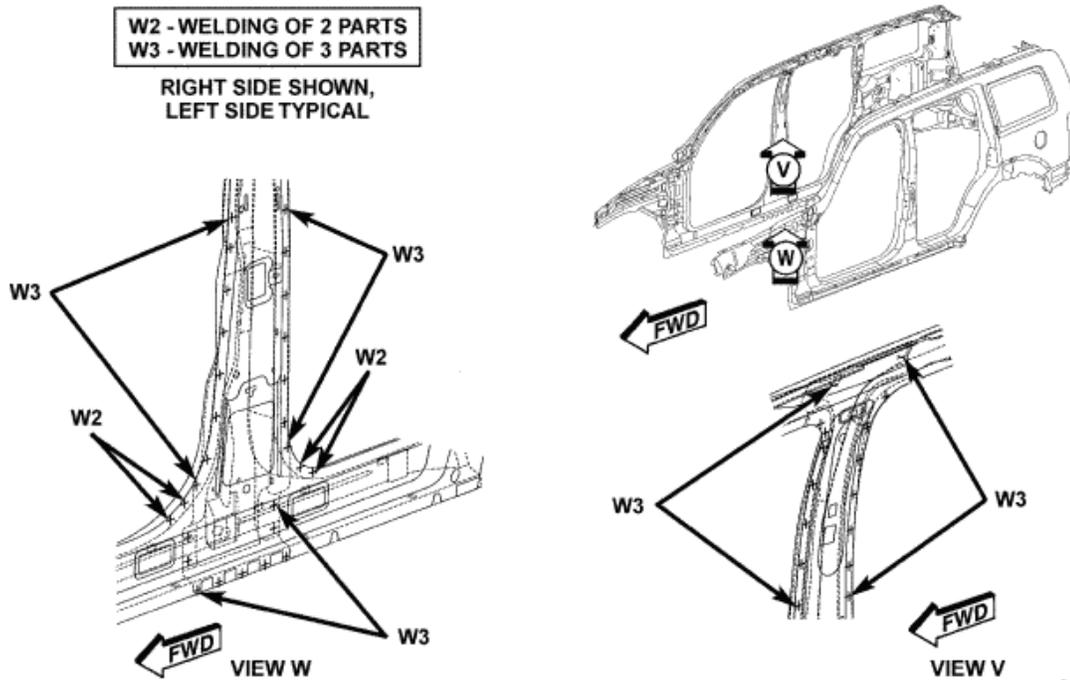
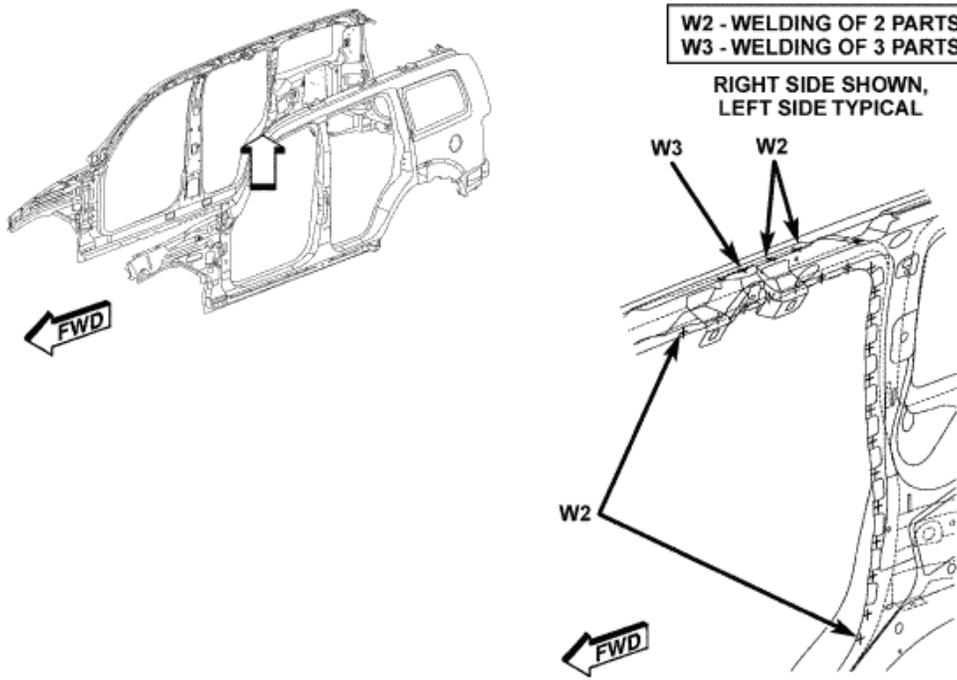


Fig. 739: Body Side Aperture Complete (4 Of 8)
Courtesy of CHRYSLER LLC

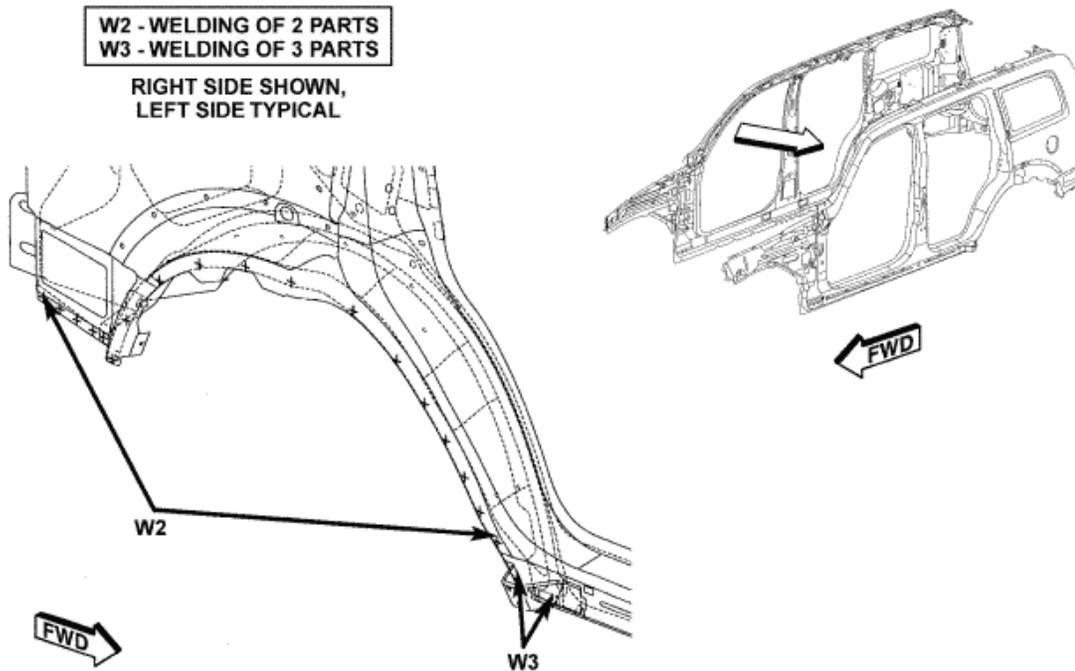
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a815dc

Fig. 740: Body Side Aperture Complete (5 Of 8)
Courtesy of CHRYSLER LLC

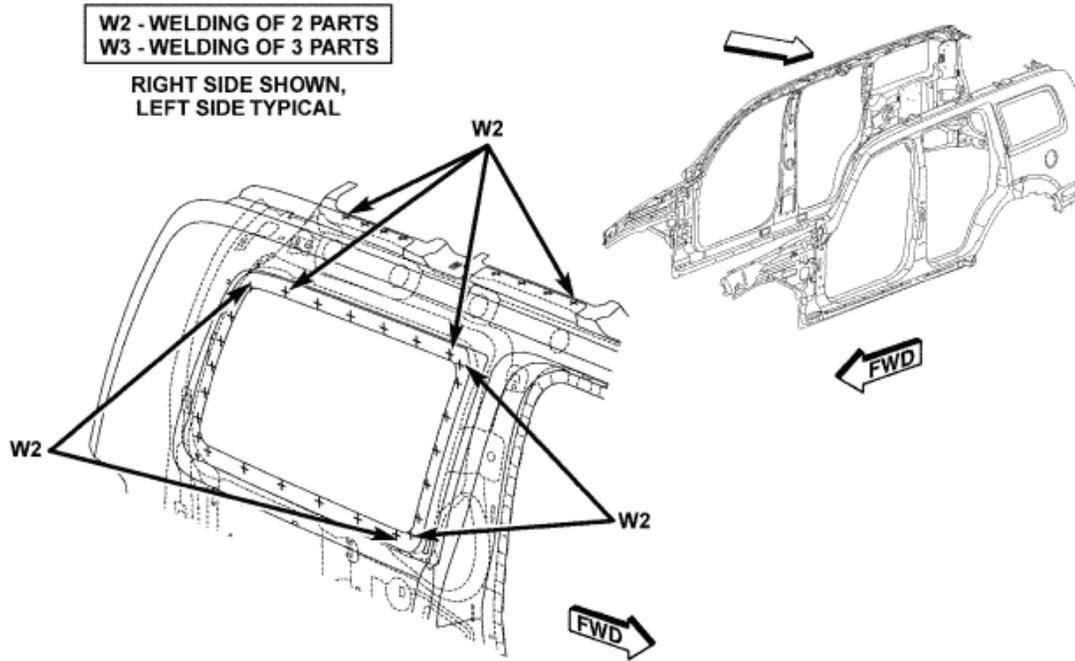


81a815e4

Fig. 741: Body Side Aperture Complete (6 Of 8)
Courtesy of CHRYSLER LLC

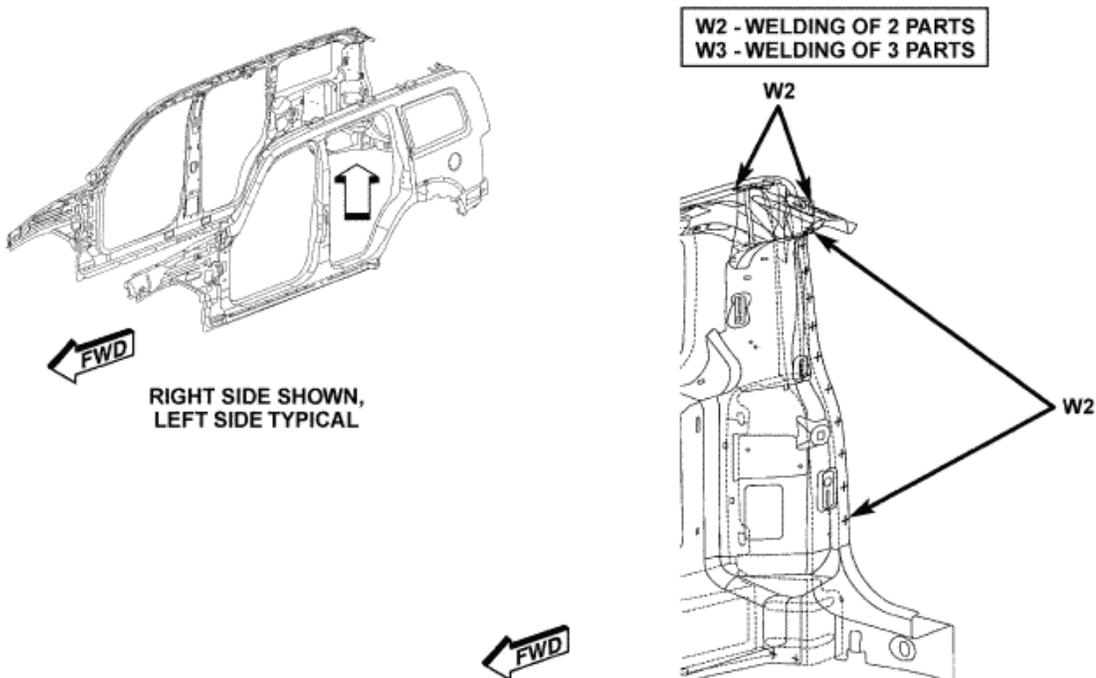
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



81a81608

Fig. 742: Body Side Aperture Complete (7 Of 8)
Courtesy of CHRYSLER LLC



81a816be

Fig. 743: Body Side Aperture Complete (8 Of 8)
Courtesy of CHRYSLER LLC

BODY IN WHITE WITHOUT ROOF

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

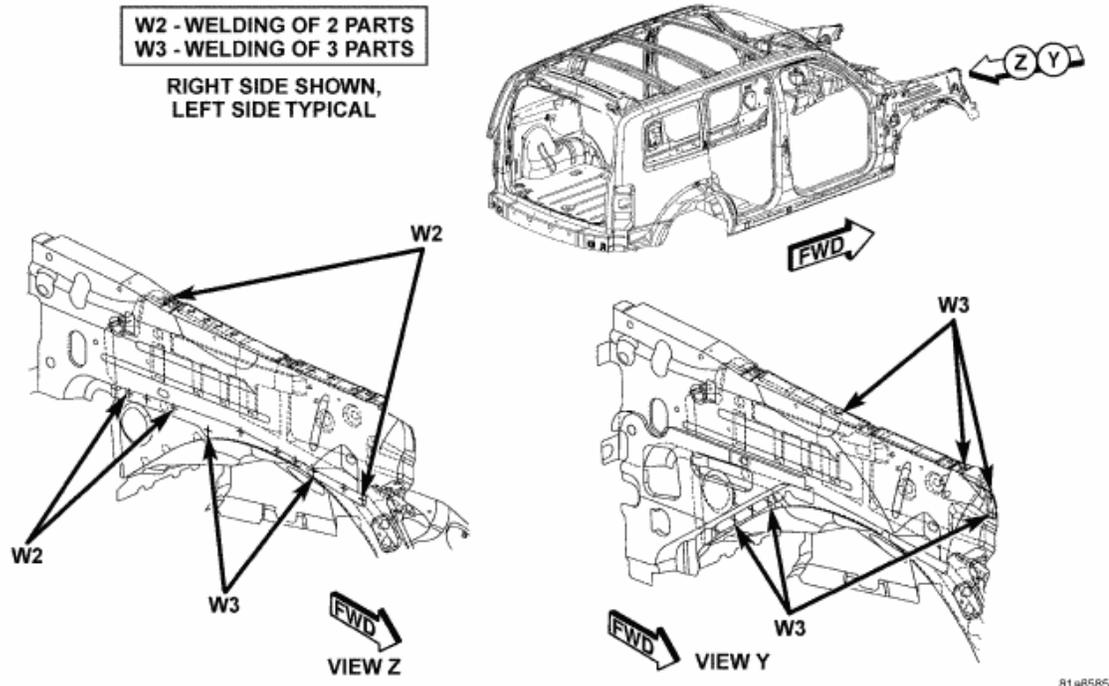


Fig. 744: Body In White Without Roof (1 Of 8)
Courtesy of CHRYSLER LLC

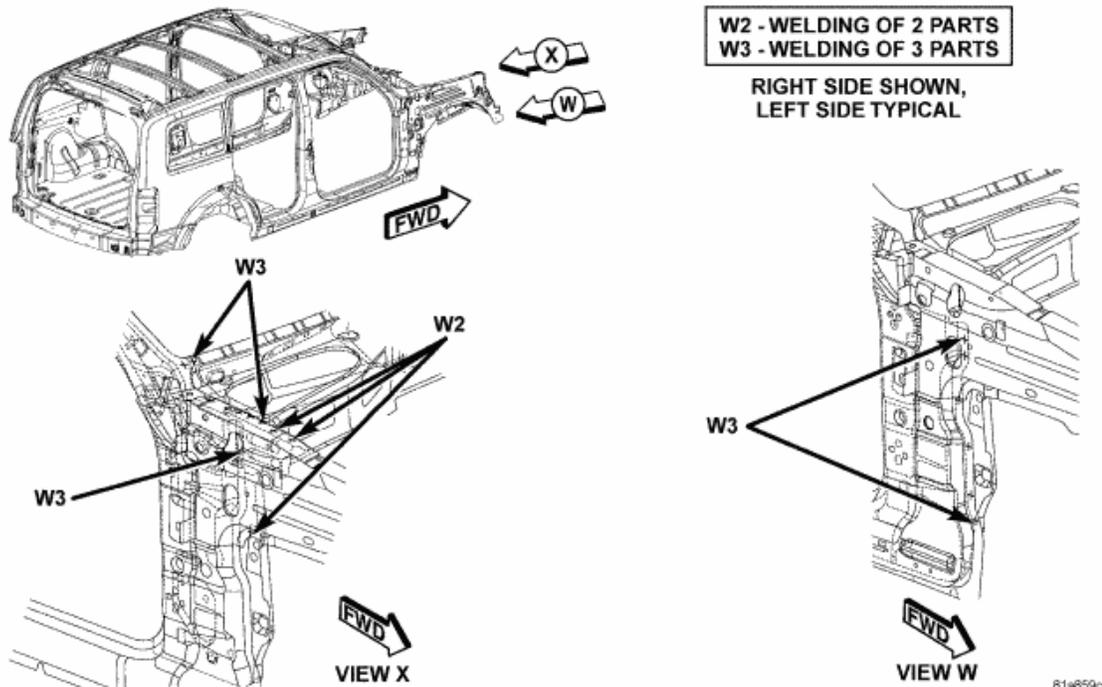
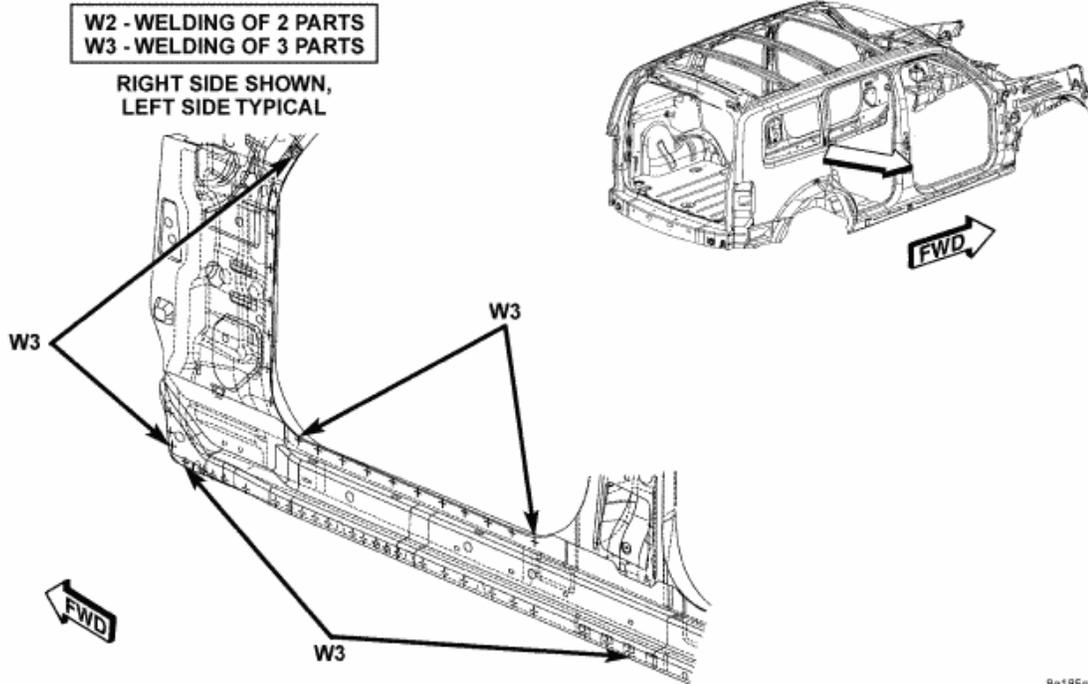


Fig. 745: Body In White Without Roof (2 Of 8)
Courtesy of CHRYSLER LLC

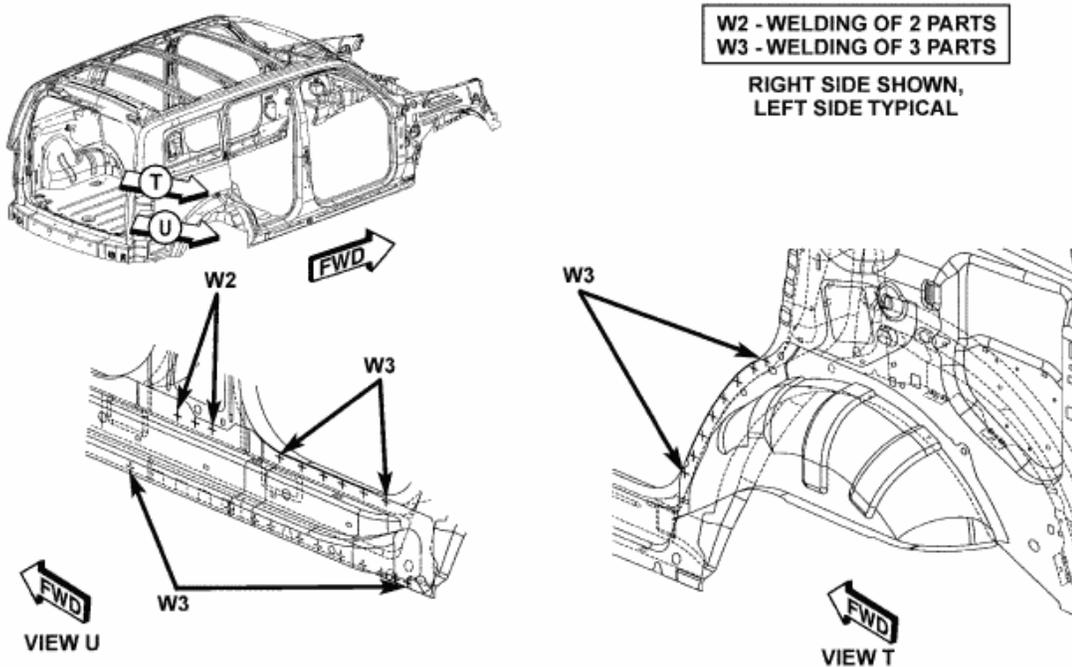
2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro



8a185a8b

Fig. 746: Body In White Without Roof (3 Of 8)
Courtesy of CHRYSLER LLC



81a85bed

Fig. 747: Body In White Without Roof (4 Of 8)
Courtesy of CHRYSLER LLC

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

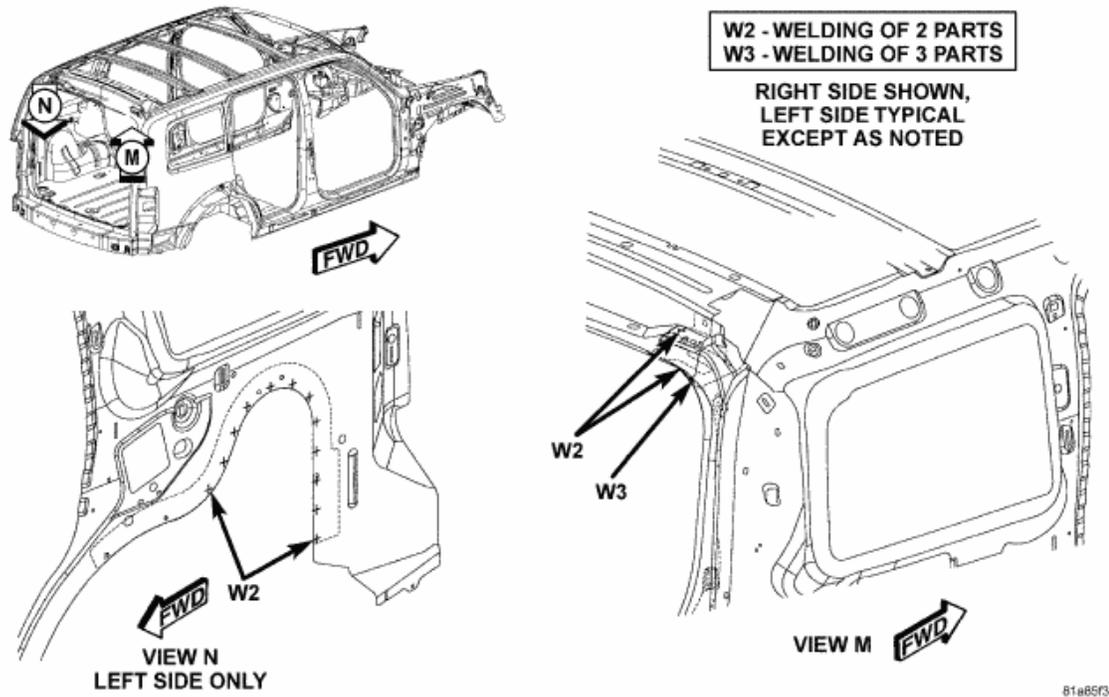


Fig. 750: Body In White Without Roof (7 Of 8)
Courtesy of CHRYSLER LLC

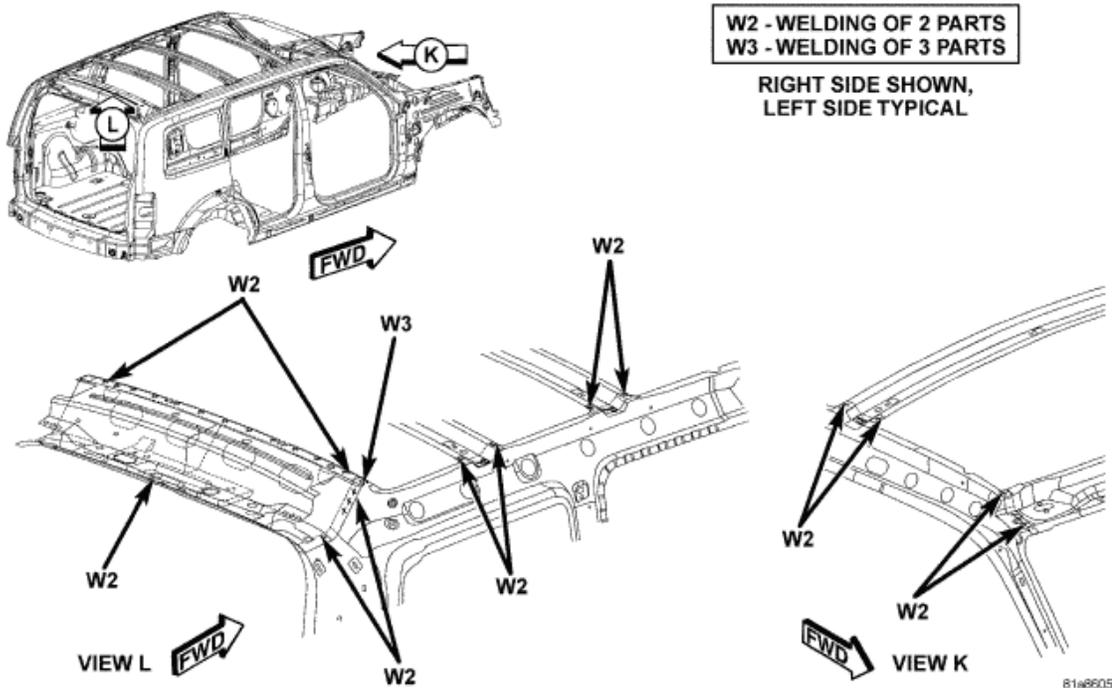


Fig. 751: Body In White Without Roof (8 Of 8)
Courtesy of CHRYSLER LLC

BODY IN WHITE COMPLETE

2007 Dodge Nitro R/T

2007 ACCESSORIES AND EQUIPMENT Body - Nitro

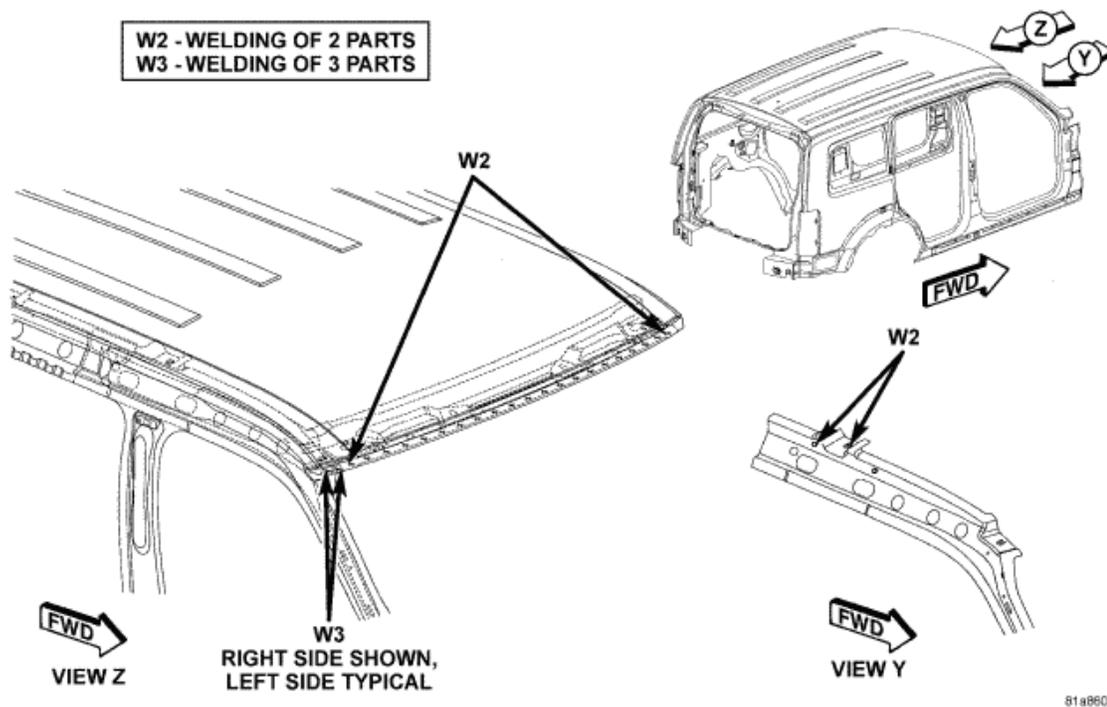


Fig. 752: Body In White Complete (1 Of 4)
Courtesy of CHRYSLER LLC

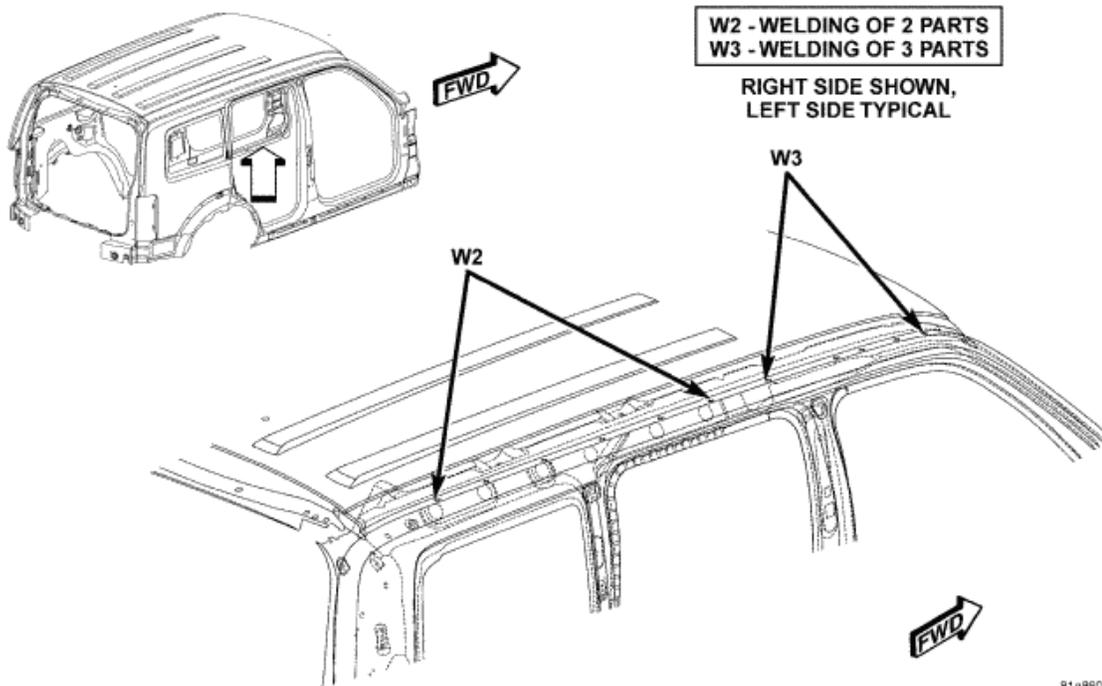


Fig. 753: Body In White Complete (2 Of 4)
Courtesy of CHRYSLER LLC

