

# Component Procedures: Convertible Top Frame

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# Component Procedures: Convertible Top Frame

## Folding Top Number 1 Bow Replacement (Article 13131)

### Removal Procedure

- Place all the windows in the full down position.
- Place the folding top assembly in a halfway open position allowing access to the number 1 bow hardware.
- Remove the screws (1) from the front folding top cover retainer. Click for full-size image
- Remove the retainer (2) from the front edge of the number 1 bow.
- Remove the folding top side garnish molding assembly, left and right side. Refer to Folding Top Side Rail Garnish Molding Replacement .
- Remove the number 1 bow stop screws (1), left and right side. Click for full-size image
- remove the headliner retainer screws (1) to the edge of the folding top side garnish molding (2). Click for full-size image
- Remove the folding top cover edge (1) from the number 1 bow stop retaining edge (2), left and right side. Click for full-size image
- Remove the side tension cable spring screw (1) from the number 1 bow, left and right side. Click for full-size image
- Remove the side tension cable spring (1) from the number 1 bow (2), pulling the cable spring through the hole in the bow, left and right side. Click for full-size image
- Remove the folding top cover (1) from the number 1 bow (2) front edge. Click for full-size image
- Remove the number 1 bow garnish molding. Refer to Folding Top Number 1 Bow Garnish Molding Replacement .
- Remove the rivets (1) that attach the center elastic tension cords (2) to the number 1 bow, left and right side. Click for full-size image
- Release the front section of headliner (1) from the number 1 bow retainers. Click for full-size image
- Remove the number 1 bow clips (1) and pins (2) from the folding top side linkage, left and right side. Click for full-size image
- Remove the number 1 bow (1) from the folding top side linkage, left and right side. Click for full-size image
- Remove the number 1 bow from the vehicle.

### Installation Procedure

- Install the number 1 bow (1) to the folding top side linkage, left and right side. Click for full-size image
- Install the number 1 bow pins (2) and clips (1) to the folding top side linkage, left and right side. Click for full-size image
- Install the rivets (1) that attach the center elastic tension cords (2) to the number 1 bow, left and right side. Click for full-size image
- Install the front section of headliner (1) to the number 1 bow retainers. Click for full-size image
- Install the number 1 bow garnish molding. Refer to Folding Top Number 1 Bow Garnish Molding Replacement .
- Install the folding top cover (1) to the number 1 bow (2) front edge. Click for full-size image
- Install the side tension cable spring (1) to the number 1 bow, Refer to step 9 in the removal, left and right side. Click for full-size image
- Install the side tension cable spring screw (1), left and right side. Click for full-size image
- Install the folding top cover (2) to the number 1 bow stop retaining edge (1), left and right side. Click for full-size image
- Install the screws to the number 1 bow stop. Click for full-size image
- Install the folding top side garnish molding, left and right side. Refer to Folding Top Side Rail Garnish Molding Replacement .
- Install the headliner retainer screws (1) to the edge of the folding top side garnish molding (2). Click for full-size image
- Install the folding top cover front retainer.
- Install the retainer screws (1) to the front edge of the number 1 bow, tighten to 7 Nm (62 lb in) Click for full-size image
- Place the folding top in the lock position, check for appearance and fit.
- Inspect the front edge of the folding top to the windshield frame for a good seal.
- Water test the vehicle to ensure a proper water tight seal.

## Folding Top Number 3 BOW Replacement (Lower) (Article 13134)

### Removal Procedure

- Prior to the removal of the folding top , mark the left side (Driver Side) well using masking tape to avoid confusion from left to right when on a working surface.
- Remove the folding top frame assembly from the vehicle. Refer to Folding Top Frame Removal and Installation

- The folding top assembly must be top face down and in the open position to allow access to the number 3 bow lower. Click for full-size image
- It is only necessary to loosen the headliner . Only do those steps in the headliner replacement procedure that will gain access to the part. Refer to Folding Top Headlining Trim Panel Replacement .
- Loosen the folding top cover as necessary to allow access to bow to slide out of the side of the top assembly. Refer to Folding Top Cover Replacement .
- When removing the bow, its IMPORTANT to mark the directions of the material in each bow, (forward or rearward).
- Mark the left side (Driver Side) end of the bow this will assist in the reinstalling.
- Place a protective cover between the folding top cover and bow to protect the folding top cover from metal shavings while drilling.
- Use a drill (1), remove two rivet heads (2) from each end of the bow (3) lower, to this dimension 4.79 mm (3/16 in) (10.9 mm (.4.25 in). Click for full-size image
- Remove the number 3 bow lower (1) from the left side (Driver Side). Click for full-size image
- Remove the rivets from the bow as follows:
  - Use a vise or equivalent to secure the bow for drilling.
  - Measure in from the end of the bow 6 inches on the underside of the bow, drill a (10 mm (.39 in) hole this will allow the remaining parts of the rivet to be removed.
  - Use a suitable tool, knock out the remaining lower part of the rivet in to the bow.
  - Tip the bow to one end and shake the bow until the remaining rivet is removed from the bow.
  - Cover the (10 mm (.39 in) hole with tape before installing the bow to the frame.

#### Installation Procedure

- Install the number 3 bow lower (1) to the right side (Passenger Side) Not the left side (Driver Side). Click for full-size image
- Reattach the folding top cover and headliner trim as follows:
  - Install the number 3 bow lower through the right side (Passenger Side) of the frame only.
  - Start the folding top cover retaining bead and the headliner retaining bead about one inch into the beveled edges of the bow track .
  - Working the folding top cover and headliner material down the bow until fully seated in both tracks.
  - Use a suitable tool install the two rivets (1) to both ends of the number 3 bow lower, to this dimension 4.79 mm (3/16 in) (10.9 mm (0.4.2 in). Click for full-size image
  - Install the folding top cover attachments as necessary.
  - Reattach the headliner as necessary. Refer to Folding Top Headlining Trim Panel Replacement .
  - Install the folding top frame assembly to the vehicle. Refer to Folding Top Frame Removal and Installation .
  - Place the folding top in the lock position, check for appearance and fit.
  - Inspect the front edge of the folding top to windshield frame for a good seal.
  - Water test the vehicle to ensure a proper water tight seal.

## **Folding Top Number 3 BOW Replacement (Upper) (Article 13135)**

#### Removal Procedure

- Prior to the removal of the folding top , mark the left side (Driver Side) well using masking tape to avoid confusion from left to right when on a working surface.
- Remove the folding top frame assembly from the vehicle. Refer to Folding Top Frame Removal and Installation .
- The folding top assembly must be top face down and in the open position to allow access to the number 3 bow upper.
- It is only necessary to loosen the headliner . Only do those steps in the headliner replacement procedure that will gain access to the part. Refer to Folding Top Headlining Trim Panel Replacement . Click for full-size image
- Loosen the folding top cover as necessary to allow access to bow to slide out of the side of the top assembly. Refer to Folding Top Cover Replacement .
- When removing the bow, its IMPORTANT to mark the directions of the material in each bow, (forward or rearward).
- Mark the left side (Driver Side) end of the bow this will assist in the reinstalling.
- Place a protective cover between the folding top cover and bow to protect the folding top cover from metal shavings while drilling.
- Use a drill (1), remove two rivet heads (2) from each end of the bow (3) upper, to this dimension 4.79 mm (3/16 in) (10.9 mm (.4.25 in). Click for full-size image
- Remove the number 3 bow upper (1) from the left side (Driver Side). Click for full-size image

- Remove the rivets from the bow as follows:
- Use a vise or equivalent to secure the bow for drilling.
- Measure in from the end of the bow 6 inches on the underside of the bow, drill a (10 mm (.39 in) hole this will allow the remaining parts of the rivet to be removed.
- Use a suitable tool, knock out the remaining lower part of the rivet in to the bow.
- Tip the bow to one end and shake the bow until the remaining rivet is removed from the bow.
- Cover the (10 mm (.39 in) hole with tape before installing the bow to the frame.

#### Installation Procedure

- Install the number 3 bow upper (1) to the right side (Passenger Side) Not the left side (Driver Side). Click for full-size image
- Reattach the folding top cover and headliner trim as follows:
- Install the number 3 bow upper through the right side (Passenger Side) of the frame only.
- Start the folding top cover retaining bead and the headliner retaining bead about one inch into the beveled edges of the bow track .
- Working the folding top cover and headliner material down the bow until fully seated in both tracks.
- Use a suitable tool install the two rivets (1) to both ends of the number 3 bow upper, to this dimension 4.79 mm (3/16 in) (10.9 mm (0.4.2 in). Click for full-size image
- Install the folding top cover attachments as necessary. Refer to Folding Top Cover Replacement .
- Reattach the headliner as necessary. Refer to Folding Top Headlining Trim Panel Replacement .
- Install the folding top frame assembly to the vehicle. Refer to Folding Top Frame Removal and Installation .
- Place the folding top in the lock position, check for appearance and fit.
- Inspect the front edge of the folding top to windshield frame for a good seal.
- Water test the vehicle to ensure a proper water tight seal.

## Folding Top Number 4 Bow Replacement (Article 13136)

#### Removal Procedure

- Prior to the removal of the folding top , mark the left side (Driver Side) well using masking tape to avoid confusion from left to right when on a working surface.
- Remove the folding top frame assembly from the vehicle. Refer to Folding Top Frame Removal and Installation .
- The folding top assembly must be top face down and in the open position to allow access to the number 4 bow. Click for full-size image
- It is only necessary to loosen the headliner . Only do those steps in the headliner replacement procedure that will gain access to the part. Refer to Folding Top Headlining Trim Panel Replacement .
- When replacing the number 4 bow it will be necessary to lower both side of the headliner completely.
- Mark all the locations of the side straps prior to the removal.
- Roll the number 5 bow backward enough to access the rivets on the number 4 bow.
- Mark the left side (Driver Side) end of the bow this will assist in the reinstalling. Loosen the folding top cover as necessary to allow access to bow to slide out of the side of the top assembly. Refer to Folding Top Cover Replacement .
- Place a protective cover between the folding top cover and bow to protect the folding top cover from metal shavings while drilling.
- Use a drill (1), remove two rivet heads (2) from each end of the number 4 bow, to this dimension 4.79 mm (3/16 in) (10.9 mm (.4.25 in). Click for full-size image
- Remove the number 4 bow (1) from the left side (Driver Side). Click for full-size image
- Remove the rivets from the bow as follows:
- Use a vise or equivalent to secure the bow for drilling.
- Measure in from the end of the bow 6 inches on the underside of the bow, drill a (10 mm (.39 in) hole this will allow the remaining parts of the rivet to be removed.
- Use a suitable tool, knock out the remaining lower part of the rivet in to the bow.
- Tip the bow to one end and shake the bow until the remaining rivet is removed from the bow.
- Cover the (10 mm (.39 in) hole with tape before installing the bow to the frame.

#### Installation Procedure

- Install the number 4 bow (1) to the right side (Passenger Side) Not the left side (Driver Side). Click for full-size image
- Reattach the folding top cover and headliner trim as follows:
- Install the number 4 bow through the right side (Passenger Side) of the frame only.
- Start the folding top cover retaining bead and the headliner retaining bead about one inch into the beveled edges of the bow track .
- Working the folding top cover and headliner material down the bow until fully seated in both tracks.

- Use a suitable tool install the two rivets (1) to both ends of the number 4 bow, to this dimension 4.79 mm (3/16 in) (10.9 mm (0.4.2 in). [Click for full-size image](#)
- Install the folding top cover attachments as necessary.
- Reattach the headliner as necessary. Refer to [Folding Top Headlining Trim Panel Replacement](#) .
- Install the folding top frame assembly to the vehicle. Refer to [Folding Top Frame Removal and Installation](#) .
- Place the folding top in the lock position, check for appearance and fit.
- Inspect the front edge of the folding top to windshield frame for a good seal.
- Water test the vehicle to ensure a proper water tight seal.

## **Folding Top Number 5 Bow Bracket Replacement (Article 13137)**

### Callout Component Name

1 Folding Top Number 5 Bow Bracket Fastener (Qty: 4) Caution: Refer to [Fastener Caution](#) . Procedure Place the folding top assembly in a halfway open position to access the fasteners location on the number 5 bow. Use a suitable tool, hold the head of the bolt while removing the nut. Note: Do Not remove the upper part that is riveted to the folding top number 5 bow to replace the roller bracket assembly, two bolts retain it to the bracket. Tighten 7.7 Nm (68 lb in)

### Procedure

- Place the folding top assembly in a halfway open position to access the fasteners location on the number 5 bow.

- Use a suitable tool, hold the head of the bolt while removing the nut.

7.7 Nm (68 lb in)

2 Folding Top Number 5 Bow Bracket Procedure Install the number 5 bow roller bracket assembly, hand tighten the fasteners. Slide the number 5 bow roller and bracket assembly all the way forward, complete the torque.

- Install the number 5 bow roller bracket assembly, hand tighten the fasteners.

- Slide the number 5 bow roller and bracket assembly all the way forward, complete the torque.

## **Folding Top Frame Removal and Installation (Article 13127)**

### Removal Procedure

- Apply a double layer of masking tape around the lower rear roof perimeter of all the painted surfaces prior to the removal.

- Key On – Engine Off.

- Place all the windows in the full down position.

- Lower the folding top.

- Key Off.

- Remove both quarter upper trim panel . [Quarter Upper Trim Panel Replacement](#) .

- Remove the right quarter trim panel. Refer to [Quarter Trim Panel Replacement](#) .

- Disconnect the rear window defogger harness located on the right side of vehicle near the folding top pivot bracket. With the right quarter trim panel off, access the rear window defogger harness plug.

- Place the folding top in the half way open position.

- Remove the high mount stop lamp. Refer to [High Mount Stop Lamp Replacement](#) .

- Remove the folding top stowage compartment bracket nut and washer (1) and bracket (2). [Click for full-size image](#)

- Remove the quarter panel upper rear moldings. Refer to [Quarter Panel Upper Rear Molding Replacement](#) .

- Disconnect the upper seal of the outer quarter drain panel from the pinchweld flange.

- Roll the upper seal on the outer quarter drain panel inward and down so that it will not catch on the ends of the screws for the compartment bracket when removing.

- Raise the quarter window to the full up position.

- Open the rear compartment to view what Quarter Outer Drain system the vehicle is equipped with. Refer to [Folding Top Quarter Outer Drain Panel Replacement](#) .

- Disconnect both water drain tube ends from the rear compartment gutter (1) and from the quarter panels (2), left and right side. [Click for full-size image](#)

- Lower the quarter windows to the full down position.

- With the folding top in a halfway open position, this will allow access to the left and right rear side

bolts 1 of the pivot bracket 2. [Click for full-size image](#)

- Release the hydraulic cylinder clips (2) and disconnect them from the top of the ball stud (1) on the left and right side. [Click for full-size image](#)

- Lower the folding top into the stowage area.

- Key On – Engine Off lower the hydraulic cylinder to the full down position Key Off.

- Remove the folding top pivot bracket front bolt (1). [Click for full-size image](#)

- With an assistant remove the folding top frame assembly (1) from the vehicle. [Click for full-size image](#)
- Place the folding top on a clean and dry surface with the top side (1) down and in the full open position. [Click for full-size image](#)
- Installation Procedure
- With an assistant, place the folding top frame assembly (1) in the stowage compartment as follows: [Click for full-size image](#)
- When installing the folding top frame assembly it must be installed all the way to the right side of the stowage compartment as it is lowered.
- Slide the folding top frame assembly to the left side (Driver Side).
- Lower the left side (Driver Side) of the folding top frame assembly onto the pivot bracket studs.
- Install the folding top pivot bracket front bolts (1) to bracket (2), tighten to 24 Nm (18 lb ft) . [Click for full-size image](#)
- Key On – Engine Off, raise the hydraulic cylinder to engage the ball stud.
- Connect the hydraulic cylinder to the ball stud, ensure that the clips (2) to the hydraulic cylinder (1), left and right side are locked in place. [Click for full-size image](#)
- Key On – Engine Off, place the folding top frame in the half open position.
- Install the folding top pivot bracket Rear bolts (1) to bracket (2), tighten to 24 Nm (18 lb ft) . [Click for full-size image](#)
- Key On – Engine Off, raise both quarter windows to the full up position.
- Install the vehicle with the correct Quarter Outer Drain system. Refer to Folding Top Quarter Outer Drain Panel Replacement .
- Connect the quarter outer drain panel tubes (1) through the rear compartment gutter grommets on the left and right side. [Click for full-size image](#)
- Install the quarter panel drain tubes (2) through the quarter panel on the left and right side.
- Raise the quarter outer drain panel seal and install to the pinchweld flange.
- Inspection is needed to ensure that the bag material is not bunching in the corners, which may create an interference with the folding top #5 bow during cycling. Two examples of the water management bag (1) interfering with the #5 bow (2) travel. [Click for full-size image](#)
- Failure to assure proper clearance of the folding top to the water management bag could result in damage to the #5 bow and/or brackets, Do the following steps to ensure proper installation:
- Manually open the trunk using the cylinder located in the left quarter trim panel and the ignition key.
- Finesse the fit of the water management bag by reaching inside the trunk and pulling any excess material downward on both sides. Inspect both side corners of the water management bag for excess bunching. If the bag pleats are able to be pulled inboard covering the outboard stud on the stowage compartment bracket (as shown circled in the graphic above), the excess material will need to be repositioned following the steps below: [Click for full-size image](#)
- Gather together several of the excess pleats/folds of bag material. [Click for full-size image](#)
- Push the pleats toward the trunk, then pull the pleats and bag material taut, and position the folds next to the outboard bracket stud. [Click for full-size image](#)
- Install the stowage compartment bracket to studs. [Click for full-size image](#)
- Install the stowage compartment bracket, capturing the folds beneath the bracket (2) then the bracket nuts and washers (1) and tighten to 22 Nm (16 lb ft) . [Click for full-size image](#)
- The repositioned water management bag should look like the view shown above. The bag should be positioned completely outboard the #5 bow seal (1), and should have no interference with the bow/seal during top cycling. [Click for full-size image](#)
- Install the quarter panel upper rear moldings. Refer to Quarter Panel Upper Rear Molding Replacement .
- Install the high mount stop lamp. Refer to High Mount Stop Lamp Replacement .
- Connect the rear window defogger harness located on the right side of vehicle. The right quarter trim panel off, access the rear window defogger harness plug.
- Install the right quarter trim panel. Refer to Quarter Trim Panel Replacement .
- Install upper quarter panel trim panels. Refer to Quarter Upper Trim Panel Replacement .
- Remove the double layer of masking tape from around the lower rear roof opening perimeter.
- Place the folding top in the lock position, check for appearance and fit.
- Inspect the front edge of the folding top to windshield upper frame for a good seal.
- Water test the vehicle to ensure a proper water tight seal.

## **Folding Top Side Rail Link Replacement (Article 13145)**

### Removal Procedure

- Remove the folding top and frame from the vehicle. Refer to Folding Top Frame Removal and Installation .
- Place the folding top on a clean and dry surface when being serviced.

- Remove the folding top side front weatherstrip . Refer to Folding Top Side Front Weatherstrip Replacement .
  - Remove the folding top side rear weatherstrip. Refer to Folding Top Side Rear Weatherstrip Replacement .
  - Remove the folding top front edge screws (1) and retainer (2) from the number 1 bow. Click for full-size image
  - Remove the folding top side rail garnish molding assembly. Refer to Folding Top Side Rail Garnish Molding Replacement .
  - Remove the number 1 bow stop screws (1). Click for full-size image
  - Remove the number 1 bow stop (2) from the folding top retainer (1). Click for full-size image
  - Remove side tension cable spring screw (1) from the number 1 bow. Click for full-size image
  - Remove side tension cable spring (1) from the number 1 bow (2). Click for full-size image
  - Remove the folding top cover (1) from the number 1 bow (2) front edge. Click for full-size image
  - Loosen the headliner on the side being serviced. Refer to Folding Top Headlining Trim Panel Replacement .
  - Remove the screws (1) that attach the side tension straps (2) to the side rail. Click for full-size image
  - Pull the headliner (1) loose from the number 1, 2 ,3 upper, 3 lower and 4 bows (2), to expose the pins and rivets in the bows. Click for full-size image
  - Place a protective cover under each bow when drilling out the rivets to catch the metal shavings.
  - Do this from the left side only (Driver Side), drill out two rivets (2) from the number 3, upper, 3 lower and the 4 bow from the side being serviced only to this dimension 4.79 mm (3/16 in) (10.9 mm (0.4.2 in), then pull the headliner and the folding top cover loose from the folding top frame. Click for full-size image
  - Remove the folding top counterbalance link. Refer to Folding Top Counterbalance Link Replacement .
  - Place the number 1 bow straight upward to access the clip (1) on the number 2 bracket. Remove the clip (1) from the retaining pin (2) that retains the number 2 bow bracket (3) to the folding top side rail link. Click for full-size image
  - Remove the cloth with the metal shavings from the folding top cover.
  - Remove the clips (1) and pins (2) from the number 1 bow. Click for full-size image
  - Remove the clips (1) and pins (2) from the folding top side rail link and main pivot bracket. Click for full-size image
  - Remove the folding top side rail link (1) from the top frame. Click for full-size image
- Installation Procedure
- The folding top must be placed top side down on a clean and dry surface.
  - Install the folding top side rail link (1) to the top frame. Click for full-size image
  - Install the pins (2) and clips (1) to the folding top side rail link and main pivot bracket. Click for full-size image
  - Install the pins (2) and clips (1) to the number 1 bow. Click for full-size image
  - Install the number 2 bracket to the number 2 bow end.
  - Place the number 1 bow straight upward to access the pin for the clip (1) on the side rail link. Install the clip (1) to the retaining pin (2) that retains the number 2 bow bracket to the folding top side rail link. Click for full-size image
  - Do this from the left side only (Driver Side), install two rivets (1) to each end of the number 3, upper, 3 lower and the 4 bow, the dimension is 4.79 mm (3/16 in) (10.9 mm (0.4.2 in), pull the headliner and folding top cover to the side rail link. Click for full-size image
  - Install the folding top counterbalance link. Refer to Folding Top Counterbalance Link Replacement .
  - Install the screws (1) that attaches the side tension straps (2) to the side rail. Click for full-size image
  - Install the folding top cover (1) to the number 1 bow (2) front edge. Click for full-size image
  - Install the side tension cable spring (1) to the number 1 bow, refer to step 9 in the removal procedure. Click for full-size image
  - Install the side tension cable spring screw (1). Click for full-size image
  - Install the folding top cover to the number 1 bow stop (1), left and right side. Click for full-size image
  - Install the number 1 bow stop screws (1), left and right side. Click for full-size image
  - Install the screws (1) to the front edge of the folding top cover retainer (2) and tighten to 7 Nm (62 lb in) . Click for full-size image
  - Place the folding top in the lock position, check for appearance and fit.
  - Inspect the front edge of the folding top to windshield frame for a good seal.
  - Water test the vehicle to ensure a proper water tight seal.

## **Folding Top Number 2 Bow Replacement (Article 13133)**

### Removal Procedure

- Place the folding top assembly in a halfway open position. Refer to Folding Top Number 1 Bow Replacement .
- Mark the end of bow that is being serviced on the left side (Driver Side).
- Remove the rivets (1) that attach the side straps (2) to the folding top side rail link on the left and

right side. Click for full-size image

- Protect the interior of the vehicle from metal shavings while drilling.
- Use a drill (1), remove two rivet heads (2) from each end of the bow (4), to this dimension 4.79 mm (3/16 in) (10.9 mm (.425 in)). Click for full-size image
- Separate the number 2 bow from the bow bracket from either.
- Remove the clip (1) and pin (2) from the number 2 bow (4) from the folding top side rail link on the left and right side. Click for full-size image
- Remove the number 2 bow bracket from the folding top side rail link as follows: Click for full-size image
- Take note the placement of the number 2 bow bushing (1) and washer for reinstalling on the left and right side.
- Separate the number 2 bow bracket from the folding top side rail link.
- Pull the number 2 bow (2) out of the left side (Driver Side).

#### Installation Procedure

- Install number 2 bow as follows: Click for full-size image
- Install the number 2 bow to right side (Passenger Side) only, the left side end is beveled to start the retaining bead of the material.
- Work the folding top cover (2) and the headliner material (3) in bow tracks (4), located on each side of the bow.
- Ensure that the folding top cover and headliner is install to the bow completely before install the bow bracket.
- Install number 2 bow and brackets to each side of the folding top side rail link.
- Install the pin (2) and clip (1) to the number 2 bow brackets (4) to the folding top side rail link on the left and right side. Click for full-size image
- Install the number 2 bow to the bow bracket.
- Use a suitable tool, install the two rivets (1) to both ends of the number 2 bow, to this dimension 4.79 mm (3/16 in) (10.9 mm (0.42 in)).
- Install the number 1 bow. Refer to Folding Top Number 1 Bow Replacement .
- Using a suitable, install the rivets (1) that attach the side straps (2) to the folding top side link on the left and right side. Click for full-size image
- Place the folding top in the lock position, check for appearance and fit.
- Inspect the front edge of the folding top to windshield frame for a good seal.
- Water test the vehicle to ensure a proper water tight seal.

## **Folding Top Number 2 Bow Bracket Replacement (Article 13132)**

#### Removal Procedure

- Place all windows in the full down position.
- Place the folding top assembly in a halfway open position.
- Remove the number 1 bow. Refer to Folding Top Number 1 Bow Replacement
- Detach the headliner as necessary. Only do those steps in the headliner replacement procedure that will gain access to the part. Refer to Folding Top Headlining Trim Panel Replacement .
- Remove the rivets (1) from the side straps (2) being serviced. Click for full-size image
- Protect the inside of the vehicle from metal shavings while drilling. Click for full-size image
- Drill (1) out the two rivets (2) from the end of the bow bracket being serviced.
- Separate the number 2 bow from the number 2 bow bracket after drilling.
- Remove the clip (1) from the pin (2), the pin is welded to the counterbalance link. Reposition the counterbalance link this will allow the removal of the bow bracket from the side rail link. Click for full-size image
- Lift the number 2 bow bracket (2) out of the top side rail link, take note of the number 2 bow bushing (1) and washer for reinstalling. Click for full-size image
- Remove the number 2 bow bracket (2) from the number 2 bow (3).

#### Installation Procedure

- Install the number 2 bow bracket bushing (1) and washer to the bow number (2) bracket, refer to step 8 in the removal procedure.
- Install the number 2 bow bracket (2) to the side rail link. Click for full-size image
- Install the clip (1) to the pin (2) which is welded to the counterbalance link, repositioning the counterbalance link will allow it's reinstalling. Click for full-size image
- Use a suitable tool install the two rivets (1) to the number 2 bow and bracket, to this dimension 4.79 mm (3/16 in) 10.9 mm (0.42 in). Click for full-size image
- Install the number 1 bow. Refer to Folding Top Number 1 Bow Replacement .
- Reattach the headliner side straps as marked in the prior removal in this procedure. Refer to Folding Top

#### Headlining Trim Panel Replacement .

- Inspect the front edge of the folding top to windshield frame for a good seal.
- Place the folding top in the lock position.
- Water test the vehicle to ensure a proper water tight seal.

### **Folding Top Number 5 Bow Replacement (Article 13138)**

#### Removal Procedure

- Remove the folding top quarter outer drain panel. Refer to Folding Top Quarter Outer Drain Panel Replacement .
- Mark the location of the headliner in relation to the number 5 bow.
- Remove the headliner (1) from the number 5 bow track (2), [Click for full-size image](#)
- Remove the folding top cover from the number 5 bow as follows: [Click for full-size image](#)
- The folding top cover bead is held in place by a J type retainer.
- Mark the location of all the straps and elastic strips when removing the folding top cover.
- Note and mark on the number 5 bow with a grease pencil where the folding top cover and number 5 bow meet in the center and left side (Driver Side), this will assist in the reinstalling.
- Pull the folding top cover bead (1) slowly out of the number 5 bow track, this will prevent damage to the retaining bead.
- Remove the clips that attach the number 5 bow to the pivot bracket, left and right side.
- Remove the number 5 bow (1) from the folding top frame. [Click for full-size image](#)

#### Installation Procedure

- Install the number 5 bow (1) to the folding top frame. [Click for full-size image](#)
- Install the headliner (1) to the number 5 bow track (2) until fully seated in the track. [Click for full-size image](#)
- Install the folding top cover to the number 5 bow as follows:
- The top cover bead is held in place by a J type retainer.
- Install all the straps and elastic strips the side linkage.
- Start in the center by aligning the center marks on the number 5 bow and the folding top cover.
- Align the mark on the number 5 bow and the folding top cover.
- Work the folding top cover bead until fully seated in the track of the number 5 bow.
- Install the folding top frame assembly to the vehicle. Refer to Folding Top Quarter Outer Drain Panel Replacement .
- Place the folding top in the lock position, check for appearance and fit.
- Inspect the front edge of the folding top to windshield frame for a good seal.
- Water test the vehicle to ensure a proper water tight seal.

### **All Technical Service Bulletins (itype\_100)**

#### Tsbs

- Campaign - Convertible Top Frame Modification (13113, 2013/04/16)

### **Service Campaigns (itype\_108)**

#### Tsbs

- Campaign - Convertible Top Frame Modification (13113, 2013/04/16)