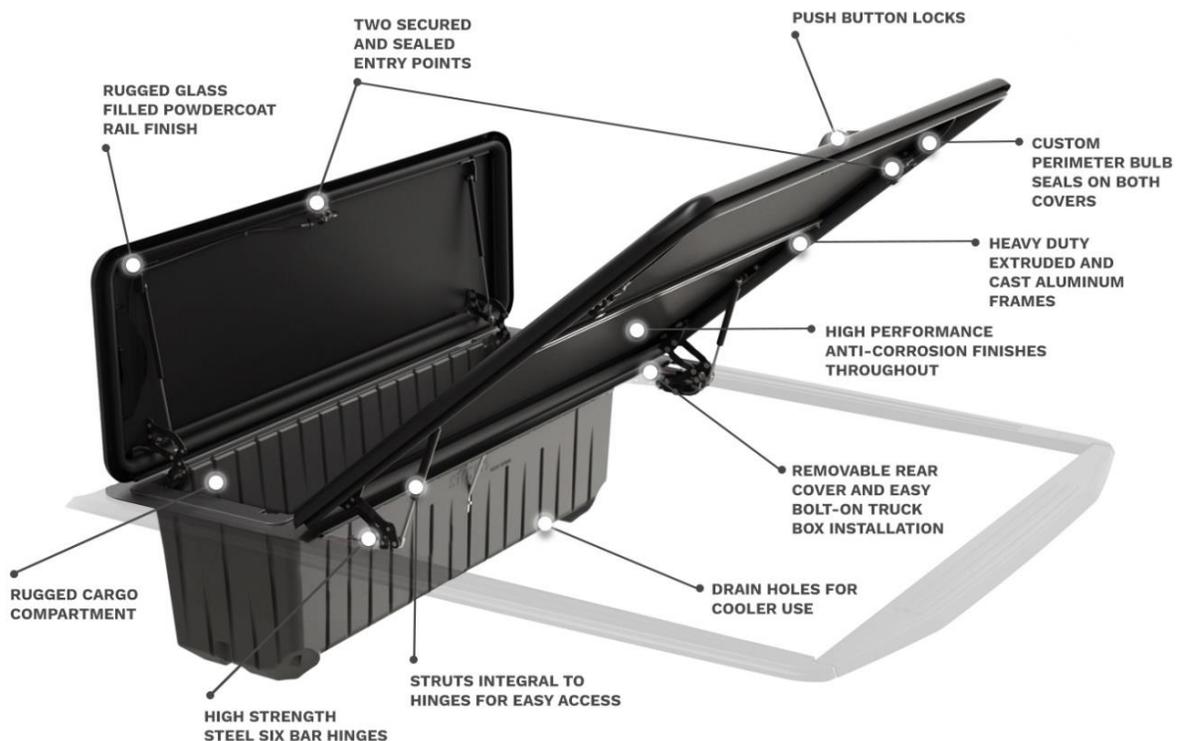


Installation Guide

Stowe Cargo 2-in-1 Tonneau Cover & Tool Box

GM Carbon-Pro Bed



Any questions please contact us:

Email: customerservice@stowecargo.com

Phone: 248-795-2240

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Installation Overview

The sequence of installation involves six steps

- 1) Install bedrail attachment points
- 2) Front & rear bedrail installation
- 3) Head board seal
- 4) Tool box cross member
- 5) Tool box & cover
- 6) Tonneau cover

Open all boxes, inspect the contents, and confirm the contents against the parts list below.

Installation Kit Box Contents

Contents of the Kit Box:

- 1) Front & Rear Bed Rails - Driver (Front & Rear) & Passenger (Front & Rear)
- 2) Tonneau Struts (2) – tool box struts are attached to the tool box cover
- 3) Parts kit bags 1-7

Tool Box Cross Member packaged separately

(Quantities shown in brackets)

| BAG | Cell 1 | Cell 2 | Cell 3 |
|-----|--|---|---|
| 1 | Bed rail cover access hole - locating guide | Access hole drill bit (7mm) | CPro flange J-nuts (6) |
| 2 | Bed rail cover gap shim (6) | Bed rail mounting bolts (12) | Front bedrail locating template |
| 3 | Brace anchor drill bit (10mm) | Bedrail brace anchors (6) Installation bolt (1) | Bed rail seals |
| 4 | Head Board seal (Taped to the floor of the toolbox) | ----- | ----- |
| 5 | Empty | Front hinge spacers (2) / spacer bolts (4) | Front cover mounting blocks (2) |
| 6 | Front striker / spacer plate / nuts (2) | Tool box flange reinforcement screws (6) | Tool box rear flange brace / nut & screw |
| 7 | Perimeter seal track extenders (2) | Rear hinge nuts (2) & bolts (2) Rear hinge stop screws (2) | ----- |

Important Note: the Installation Kit and Cross Member are attached to the bottom of the toolbox carton

Tools Needed



Look for this symbol in the installation instructions

Wrenches – 10, 13, 15 mm

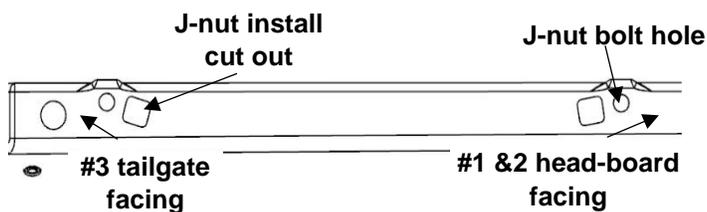
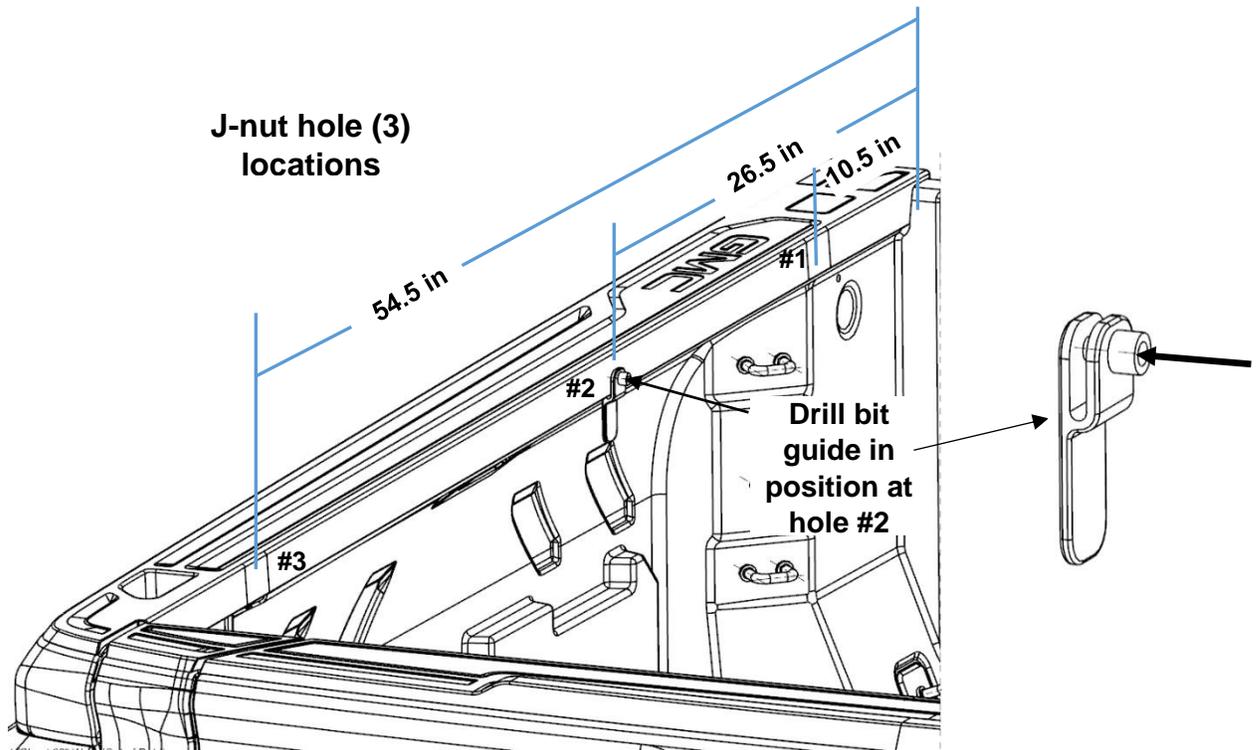
5/32" hex key wrench

Screw driver – Phillips

Scissors

Tape measure (in)

STEP ONE – Install Bedrail Attachment Points



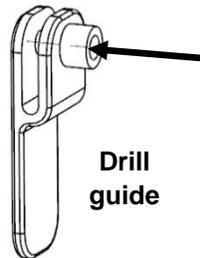
View of the CPro flange located behind the bedrail cover

The CPro bed has a series of J-nut holes in it which are located in the upper flange behind the bedrail cover.

Locate the driver and passenger side J-nut hole locations in the CPro flange as shown in the schematic above.

Note: there are five locations in the CPro rail per side, you will only use the three indicated.

STEP ONE – Install Bedrail Attachment Points



Drill guide

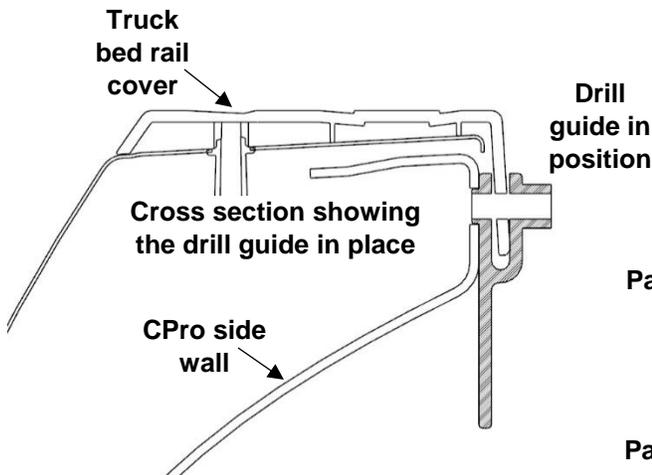
Parts Bag #1

J-Nut attachment points

Drill a J-nut bolt access hole through the bedrail cover at each location using the guide provided.

To do this, insert the rear tong of the guide fork between the back side of the bedrail cover and the face of CPro flange and position it so that the ring on the back side of the tong falls into the circular J-nut bolt hole.

Once in position, drill the 7mm J-nut bolt access hole through the bedrail cover for that location. Repeat this operation for the other five locations. Use the drill bit provided.



Truck bed rail cover

Cross section showing the drill guide in place

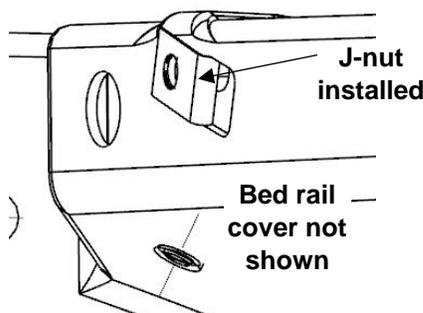
CPro side wall

Drill guide in position

Parts Bag #1

Parts Bag #1

Install J-nuts into each location by lightly lifting the bed rail cover and then sliding the lower flange of the J-nut through the square hole and seating the J-nut against the edge of the square hole. This will align the J-nut threads with the circular hole in the CPro.

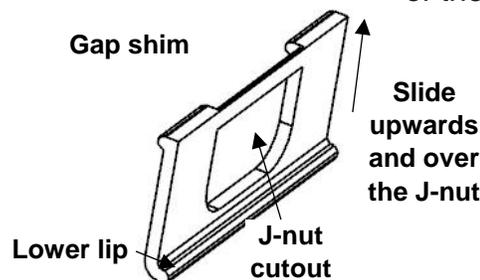


J-nut installed

Bed rail cover not shown

Parts Bag #2

After the J-nut is installed, slide a gap shim up and over the j-nut. The lower lip of the shim will rest under the edge of the bedrail cover.



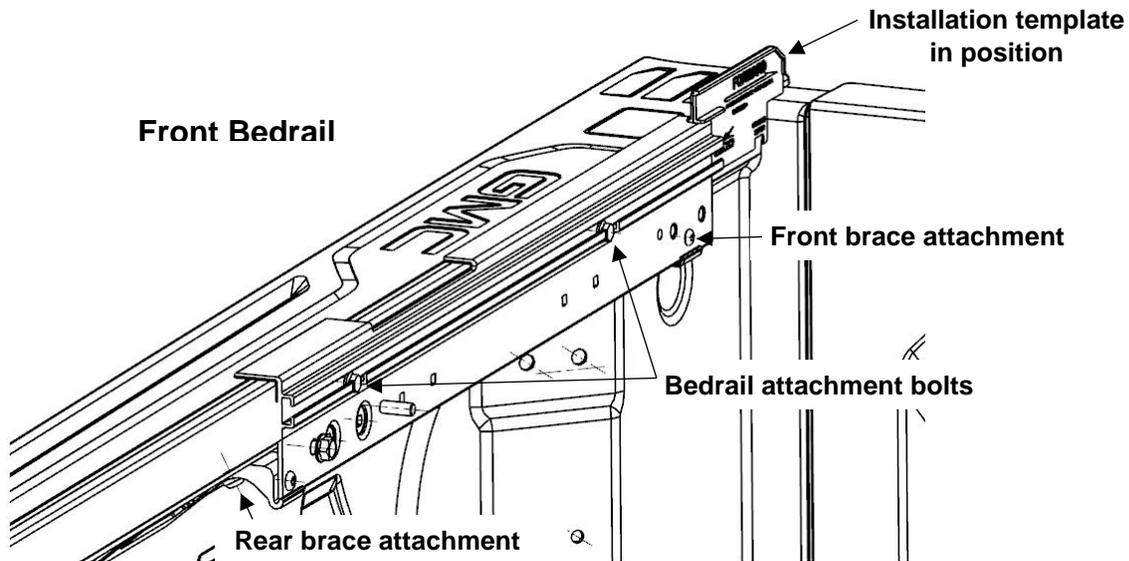
Gap shim

Lower lip

J-nut cutout

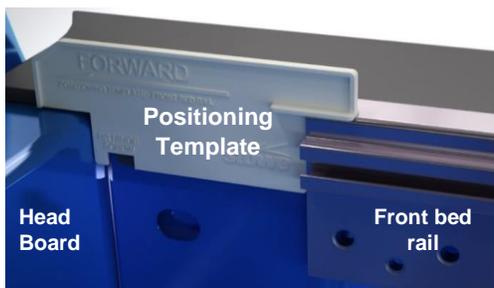
Slide upwards and over the J-nut

STEP ONE – Install Bedrail Attachment Points



Important Note: The front bedrails are unique to the drivers and passengers side of the truck. Position the *Tailgate End* label on the back side of the bedrail towards the tailgate.

Install the Stowe front and rear bed rails so that they can be used as templates to drill pilot holes for the mounting braces.



Parts Bag #2

For the front bedrails thread the two mounting bolts through the drilled holes in the bed rail cover and into the J-nuts. With the bolts still loose confirm the position of the bedrail using the template provided. Position the template between the truck head board and the front edge of the bed rail as shown.

Parts Bag #2

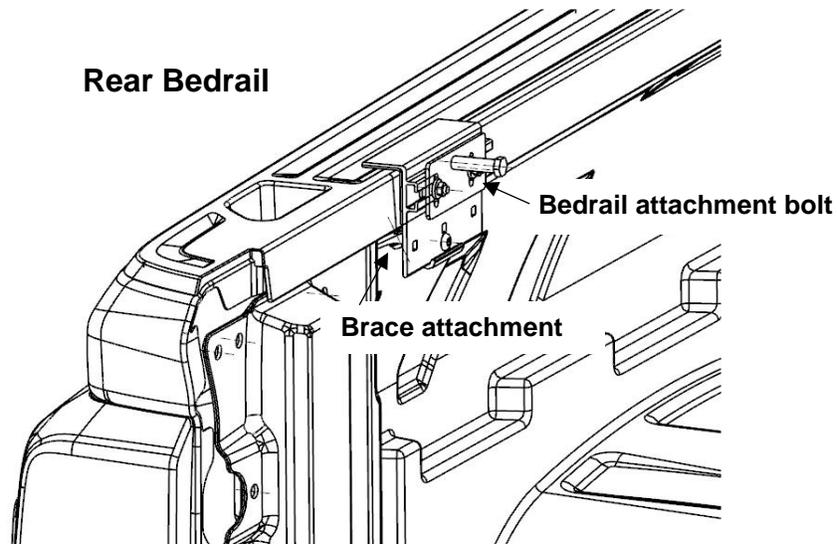
This step confirms that both LH an RH rails are in the same position relative to the head board.



Wrench 10mm

Now snug (not final tightening) the mounting bolts to hold the rails in position.

STEP ONE – Install Bedrail Attachment Points



Important Note: The rear bedrails are unique to the drivers and passengers side of the truck. The part bags are labeled but ensure that the striker pin is offset towards the tailgate.

Parts Bag #2

Attach the rear bed rails using the single j-nut mounting bolt. You will have to move the striker plate to expose the mounting bolt hole.



Wrench 10mm

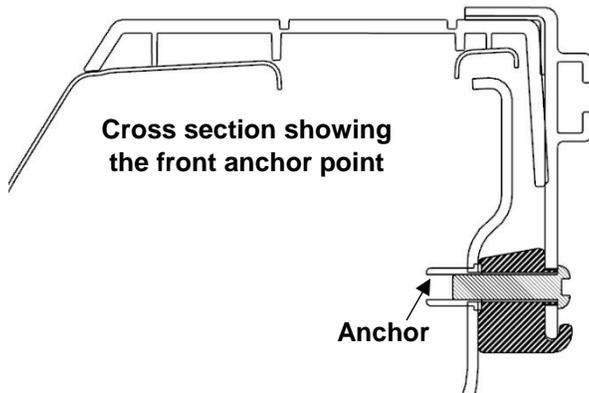
Note: When snugging the mounting bolt, ensure that the rear brace is sitting flush against the CPro side wall.

Drill 7mm pilot holes through the CPro wall at each brace location using the brace mounting hole as a drill guide. Two front and one rear per side. Use the same drill bit as used for drilling the bedrail cover access holes.

Remove all bedrails to complete the drilling operation for the brace anchors.

STEP ONE – Install Bedrail Attachment Points

Front bed rail – front anchor



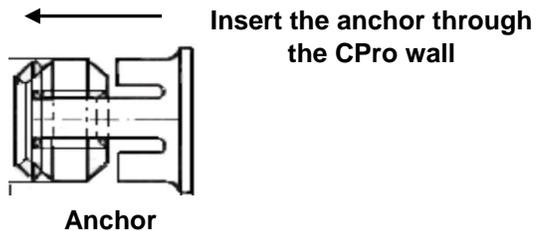
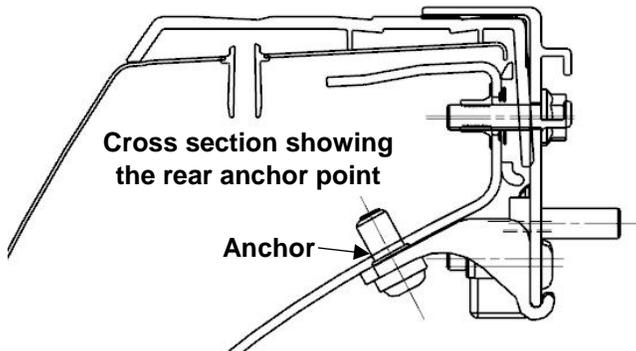
Drill the 10mm hole needed to install the brace anchor at each location. Two front and one rear per side

Using the 7mm pilot hole just drilled as a guide, enlarge each hole to accept a mounting anchor. Use the 10mm drill bit provided.

Parts Bag #3

Parts Bag #3 Insert the anchors into each hole and then secure.

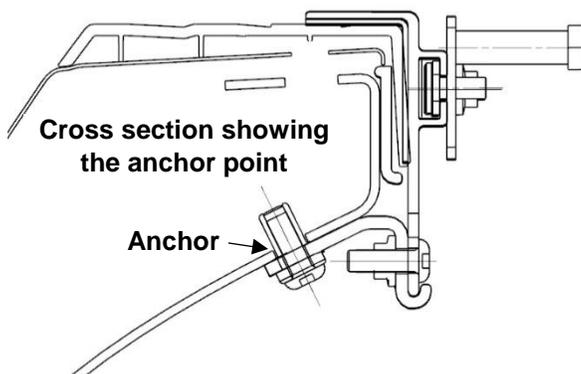
Front bed rail – rear anchor



 **Wrench 10mm**

To secure the anchor, thread the bolt provided in the anchor kit into the captured nut inside the anchor. Continue tightening the bolt until the captured nut seats against the front casing of the anchor body and the bolt tightens.

Rear bedrail anchor



Un-thread the bolt and continue with this process for the other five locations.

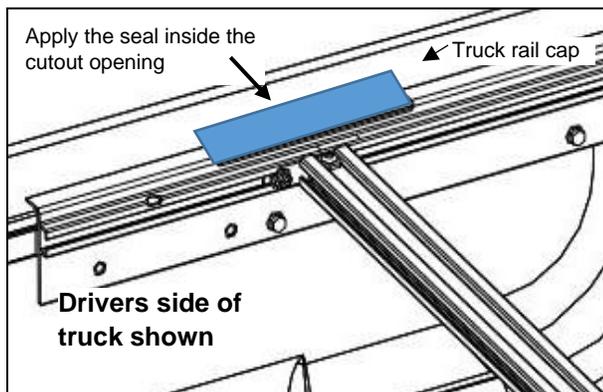
STEP TWO – Front & Rear Bed Rails

Re-Install the front and rear bed rails.

Loose install all fasteners (incl braces), confirm the front bedrail positioning with the template and then secure all bolts starting with the J-nut bolts.

After tightening the fasteners, re-confirm the position of the front bed rails using the template.

After securing the rear bedrail, re-install the striker plate but leave it loose to complete the tonneau cover latch alignment later in the installation.



Parts Bag #3

After installing the front bed rails install the bed rail seals.

Clean the truck box rail cover with an alcohol wipe.

Put the backing from the seal and place the seal inside the bedrail cutout and along the edge of the exposed truck rail cap.

Press down firmly on the seal to ensure that it sticks to the truck box rail cover. If the seal rides over the inside edge of a rail cap rib, ensure the seal follows the contour of the rib.

Note: clean the surface of the bedrail with rubbing alcohol before applying the seal.

STEP THREE – Head Board Seal



Parts Bag #4
Taped inside
the tool box

Clean the top of the head board with rubbing alcohol.

Position the seal along the rear edge of the head board (the side closest to the tailgate).

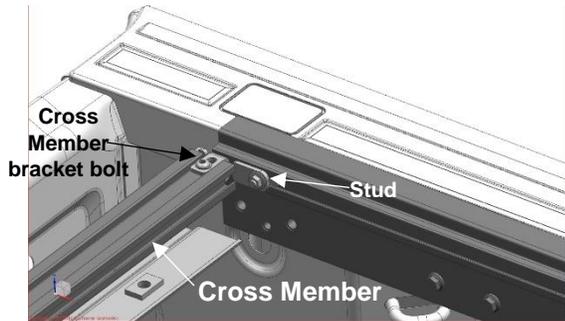
Install the seal so that both ends sit firmly against the truck box side walls. Starting at one end, roll it out to the other end, making sure that the seal is firmly seated along the way. Cut off the excess material.



Scissors

Remove the liner from the top surface of the seal.

STEP FOUR – Toolbox Cross Member

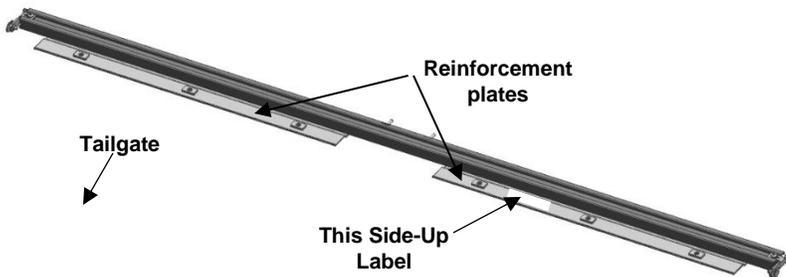


The cross member mounting stud plates are pre-assembled into the C-channel of the bedrails.

Remove the nuts from the end of the stud plate and slide the stud plate towards the head board until it sits adjacent to the bedrail attachment bolt

Position the cross member so that the reinforcement plates are pointed towards the tailgate and the “This Side-up” label is visible.

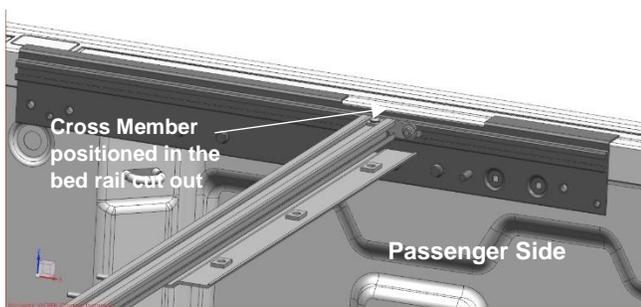
Place the cross member end brackets over the stud and insert the bracket tabs into the bed rail channel. The cross member may have to be installed at an angle to engage the studs.



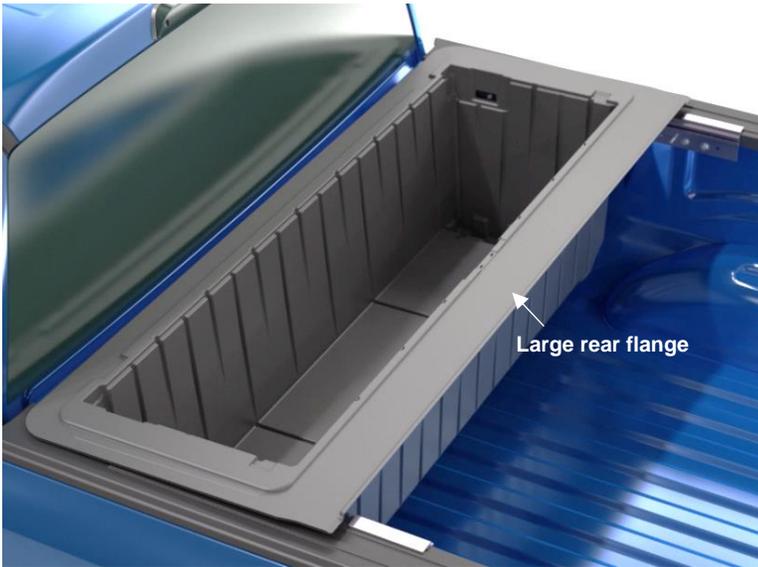
Loose assemble a nut to each stud.

Slide the cross member rearward until positioned in the cut out in the bed rail flange.

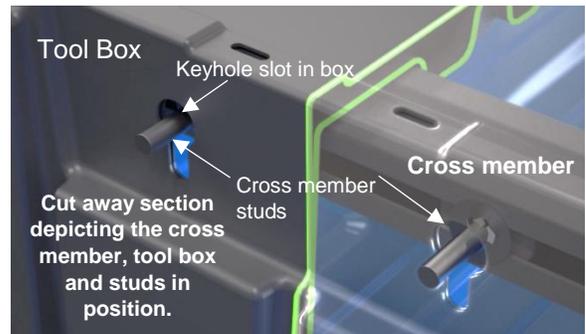
Note: Ensure that the end bracket tabs are still engaged in the bed rail channel on both sides.



STEP FIVE – Toolbox & Cover



Load the tool box into the opening between the head board and the cross member. The large flange is positioned towards the rear of the truck.

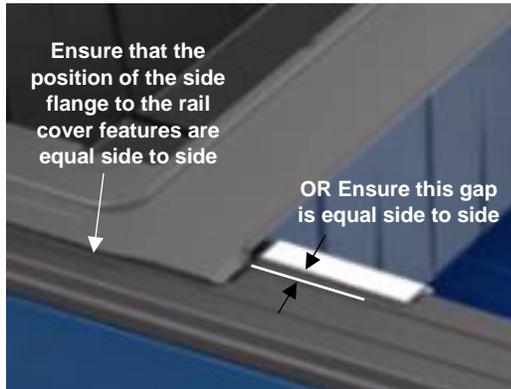


Lift the rear of the compartment upward to allow the cross member to be slid into the channel on the underside of the rear flange.

Slide the studs in the front of the cross member through the keyhole slots in the tool box wall as the cross member and compartment are brought together. Tip the studs upward to ease assembly.

Note: Ensure that the cross member bracket tabs are still engaged with the bed rail after the cross member is in place.

STEP FIVE – Toolbox & Cover



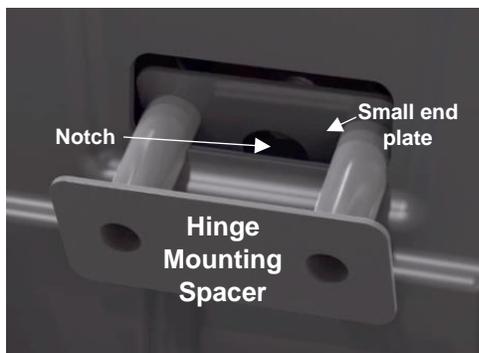
To locate the tool box in the correct position relative to the truck.

- 1) Locate the box side to side by equalizing the location of the side flange and /or the end of the rear flange wall to the edge of the bed rail as shown



- 2) Align the hinge mounting holes on both sides of the tool box with the hinge spacer mounting nuts in the bed rails.

- 3) Re-confirm that the box is still in position side to side.



Parts Bag #5

Install the hinge mounting spacers through the compartment wall opening. Accomplish this by tipping and inserting the lower edge of the small end plate into the opening and then rotating the plate through the opening. The notch in the smaller end plate must face downward.

STEP FIVE – Toolbox & Cover

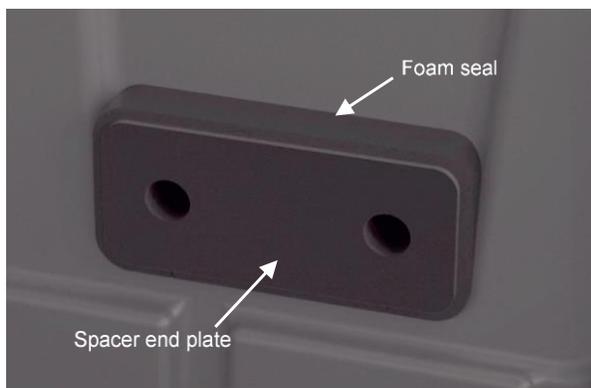


Parts Bag #5 Hand start and then remove all four hinge bolts to ensure proper alignment between the spacer and the bed rail.



Parts Bag #5 Place the front cover mounting blocks in the pockets on either side of the compartment front flange.

While the cover is still in the box, install the hinge struts. The strut is pre-installed to the upper bracket, fully open the hinge and snap the connector on the open end of the strut to the hinge ball stud.



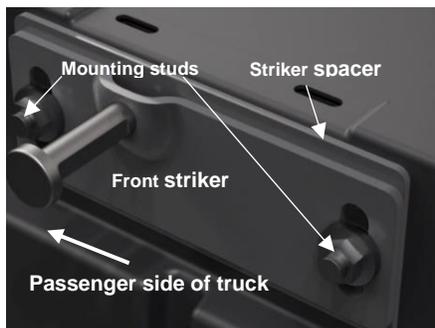
Carefully place the cover onto the mounting blocks while moving the hinge body brackets into position in front of the spacer plates. You will need to compress the spacer foam seals to allow body brackets to sit against the face of the spacer end plate.

Loose install the hinge mounting bolts on both sides of the cover and then while firmly holding the front cover down and against the mounting blocks, tighten the hinge mounting bolts on both sides.

Remove the mounting blocks.



STEP FIVE – Toolbox & Cover



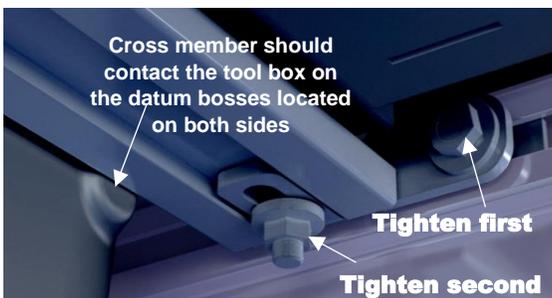
Parts Bag
#6

 Wrench
10mm

To install the striker spacer plate lift the cross member upward from underneath the tool box flange which will lift the two mounting studs. Insert the striker spacer through the round holes in the keyhole slot. Load the front striker to the spacer and hand start the stud nuts.

Confirm that the compartment is still positioned correctly side to side, position the upper edge of the striker plate at the top of the spacer plate and secure the mounting nuts.

Note: For ease of assembly start by installing the passenger side nut onto the longer mounting stud, draw the assembly together and then install the driver's side nut.



 Wrench
10mm

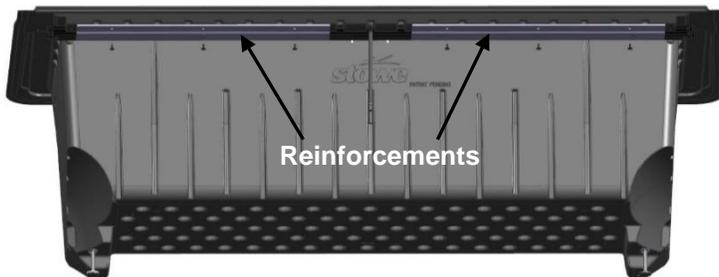
Tightening the striker nuts will firmly seat the cross member against the rear of the tool box.

Ensure that the cross member is evenly contacting the two rear datum bosses and then tighten the cross member end bracket nuts.

First tighten the bed rail attachment point then tighten the nut securing the bracket to the cross member.

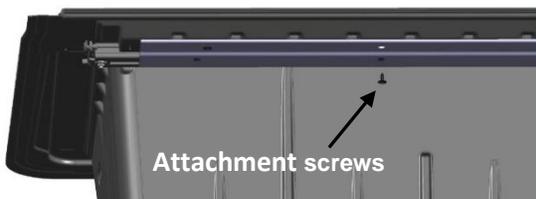
Note: Ensure this tightening sequence is followed.

STEP FIVE – Toolbox & Cover

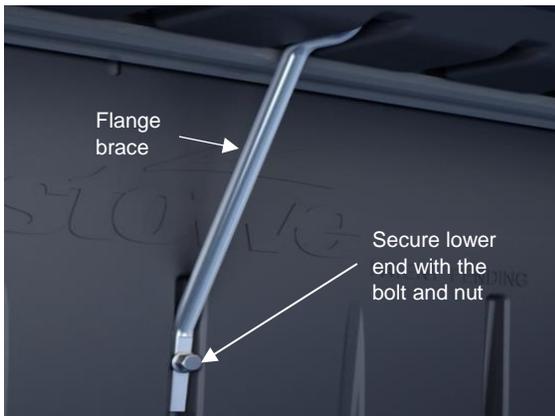


Install the six (6) attachments screws to secure the rear flange reinforcements to the underside of the tool box flange. The screws will thread into the mounting clips installed in the flange.

Parts Bag #6



 Screw Driver
Phillips



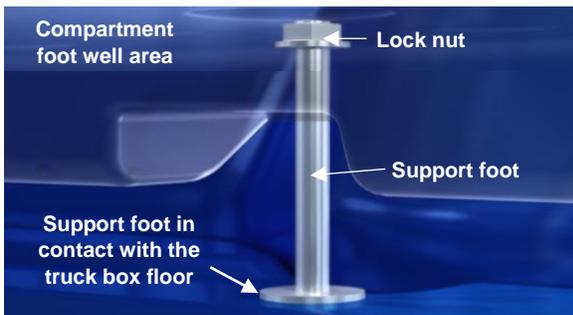
Parts Bag #6

Install the tool box rear flange brace by inserting the top end of the brace into the underside of the flange and placing the lower end of the brace against the front face of the box.

 Wrench
10mm

 5/32" Hex Key
Wrench

Install and tighten the bolt and nut to secure the brace in position. Insert the bolt from the side shown.



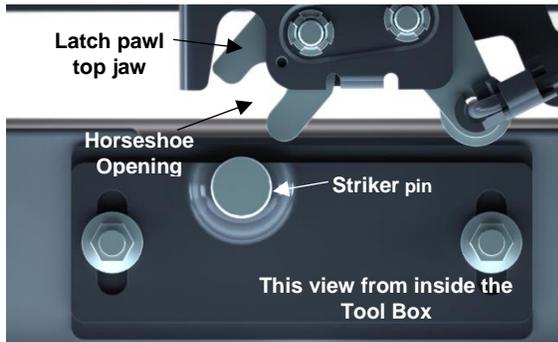
 Wrench
15mm

Loosen the lock nut and turn the support foot downward until it rests on the floor of the truck box. Retighten the lock nut to secure the support foot in place. The nut is located on the underside of the box for some applications

Do not over drive the support foot against the truck box floor. The foot should only rest firmly.

Note: For 55 box applications, the foot may come to rest on the wheel house.

STEP FIVE – Toolbox & Cover



Closing the cover for the first time, check the relationship between latch pawl and the striker as the cover approaches the closed position. The top jaw of the horse shoe shaped opening in the latch pawl should be centered over the striker pin as it approaches the pin.

If the correct relationship exists between the latch and striker attempt to latch the cover. A misalignment will create a no latch or hard latching condition

If the latch is not aligned side to side the latch bracket will have to be moved on the cover by loosening the two bracket nuts.



Re-position the striker vertically as required to adjust the trim height of the cover along the side of the truck while maintaining the latching function to the striker. The trim height should be about even from front to rear looking at the cover on the driver's side.

The latch will not be able to reach the striker if the striker is too low

Important Note:

The front cover is equipped with a custom double bulb perimeter seal. Cover closing efforts will improve as the seal settles.

STEP FIVE – Toolbox & Cover

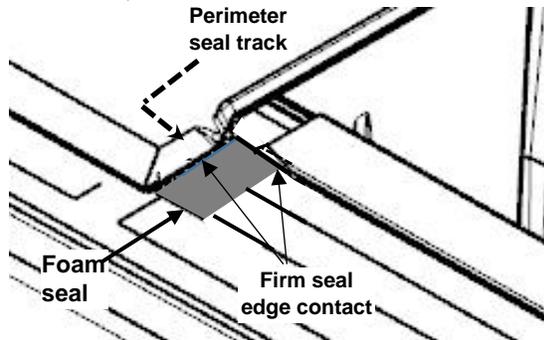
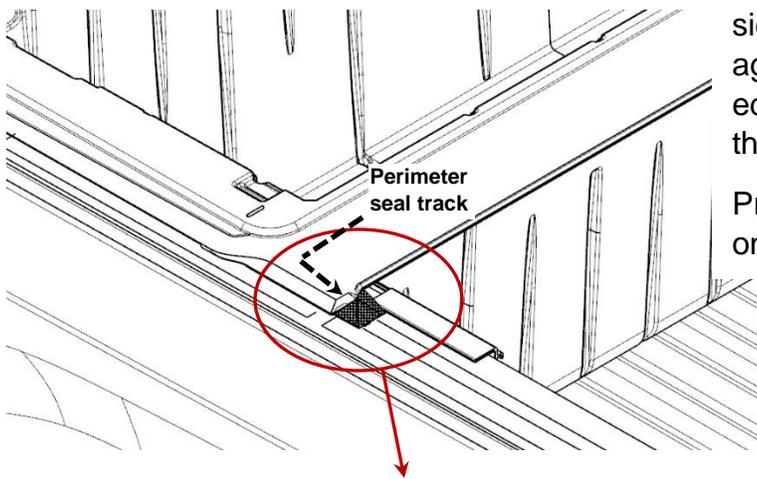
Install the perimeter seal track extenders at the base of the rear flange as shown (Drivers side & passenger side).

Parts Bag #7

Clean the surface of the truck bed rail with alcohol.

Remove the carrier strip from the back side of the foam seal. Now place firmly up against both the rear flange face and the edge of the bedrail and drop it down onto the truck bedrail cover.

Press the seal firmly down on the bedrail once in place.



STEP SIX – Tonneau Cover



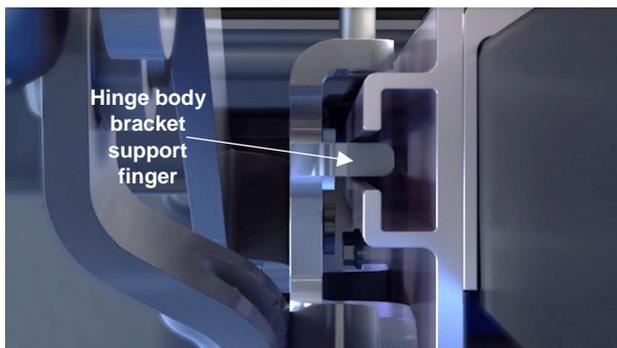
Install the rear struts by snapping the strut sockets over the ball studs on the hinge and cover.

The exposed shaft end is installed towards the hinge.



With the assistance of an associate lift the cover into position just behind the bed rails. Move the cover forward until the hinge body bracket starts to overlap the end of the bed rails.

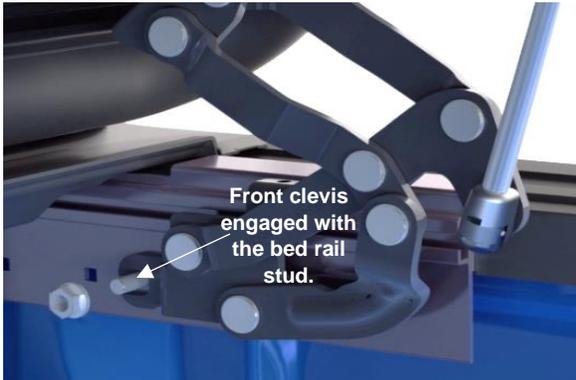
Watch that the body bracket does not get trapped behind the bed rail.



Move the panel forward and insert the body bracket support finger into the channel on each bed rail.

Note: The driver and passenger side hinge support fingers must be inserted at the same time into the channel to prevent the finger from binding in the channel.

STEP SIX – Tonneau Cover

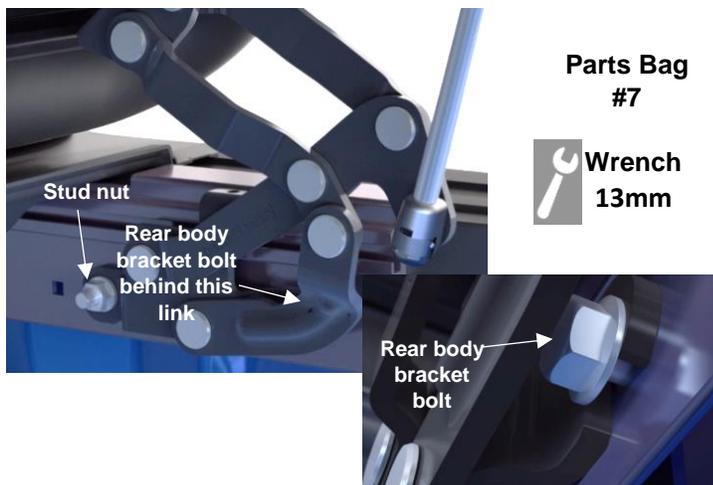


Continue moving the panel forward until the body bracket front clevis engages with and settles over the bed rail stud.

You can allow the rear of the panel to slowly rotate downward and rest on the body bracket fingers while preparing to install the hinge body bracket nuts / bolts.

Important Note:

Before installing the hinge mounting nuts / bolts – have a friend stand on the tailgate and lift the cover up as high as it will go. Have your friend continue to hold the cover in this position until the hinge installation is complete. This will correctly position the cover and guard against the cover moving during assembly.

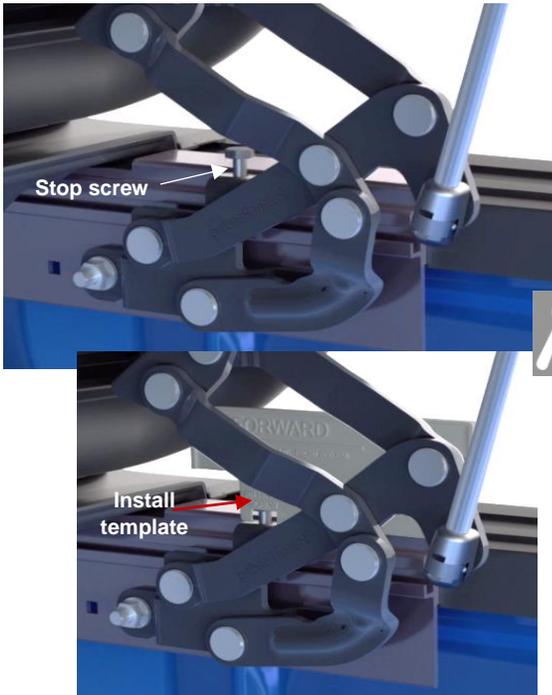


Install and hand tighten only, the stud nut on both sides of the truck.

Then install and hand tighten the rear body bracket bolts. To do this, slide the bolt upwards through the slot in the body bracket until aligned with the bed rail nut and hand tighten.

Important Note: Ensure that your friend is still holding the cover up as far as it will go and then tighten the stud nuts and body bracket bolts.

STEP SIX – Tonneau Cover



Parts Bag #7

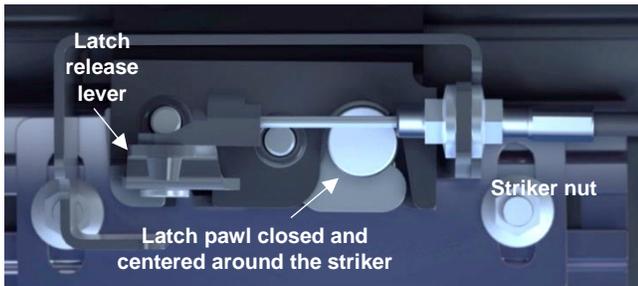
Install the rear hinge stop screw and set the installed height using the cutout in the bed rail installation template as an initial guide.

5/32" Hex Key Wrench

The threads are coated with a locking material to hold the screw in place.

Important Note: Adjust the stop screw height to maintain a small gap between the front corners and the tool box flange when the cover is closed.

STEP SIX – Tonneau Cover



Loosen the two striker plate nuts holding the rear striker in position.

Open the rear cover latches by pivoting the release levers.

Carefully lower the rear cover into the closed position. From inside the truck box close the latch pawls around the striker pins on each side.

With an associate holding the cover down just below the desired trim height, center the striker within the latch pawl opening and secure the striker bolts.



Misalignment will cause a hard to latch condition.

Repeat the operation for the other side and then open and carefully close the rear cover to ensure that the latches are operating smoothly.

Your Installation is Complete

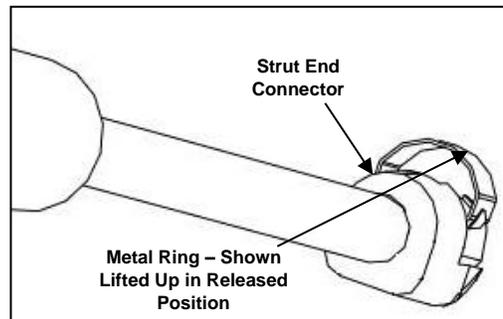
Appendix

Replacing a Strut

Using a small flat blade screw driver lift the metal ring on the back side of the socket and rotate it slightly toward the end of the strut. This will release the strut from the ball. Then pull the strut away from the ball stud.

To re-install the strut, snap the socket back over the ball stud. If the retainer clip was dislodged during disassembly you will need to reposition the clip prior to re-installation. Listen for the snap of the retainer as it grasps the ball stud.

Note: the open shaft end of the strut is positioned towards the hinge.



Appendix

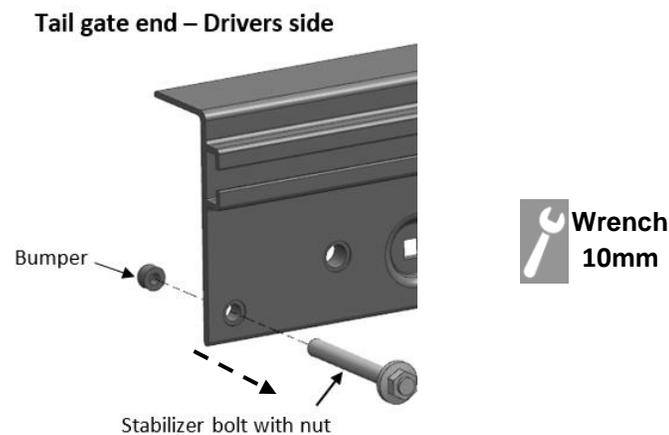
Removing the Tonneau Cover

The procedure is straight forward but you will need the assistance of a friend. You can remove the cover in about 15 minutes

1. Loosen the hinge stop screws (1/side) until the base of the screw is flush with the mounting platform bracket.

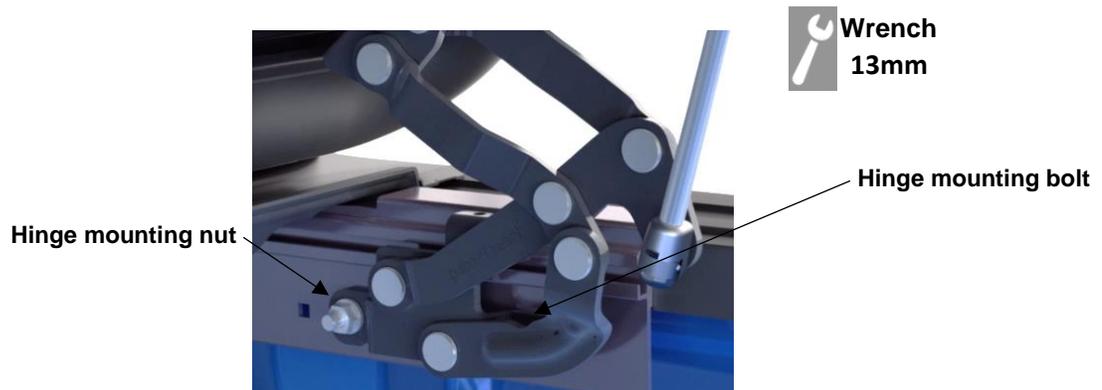


2. Remove the bedrail stabilizer bolts (1/side) – these parts are located at the end of the bed rails – reserve the parts for re-installation. Not included with Tundra.

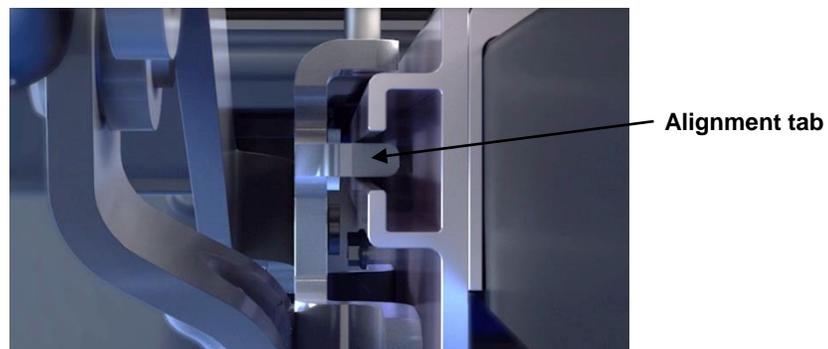


Removing the Tonneau Cover

3. Have your friend stand on the tailgate and hold up the cover while you remove the hinge fasteners.
 - a. Loosen the hinge mounting bracket nuts (1/side) – leave the nut on the end of the stud
 - b. Remove the hinge mounting bracket bolts (1/side) – reserve the bolts for re-installation.



4. Have your friend carefully lower the cover until the hinge bracket alignment tabs rest on the bedrail channel. This will support the cover while you and your associate move to the sides of the truck.



5. From the side of the truck lift the rear of the cover slightly and slide the cover off the bed rails with the help of your friend.

Follow this process in reverse to re-install the cover.