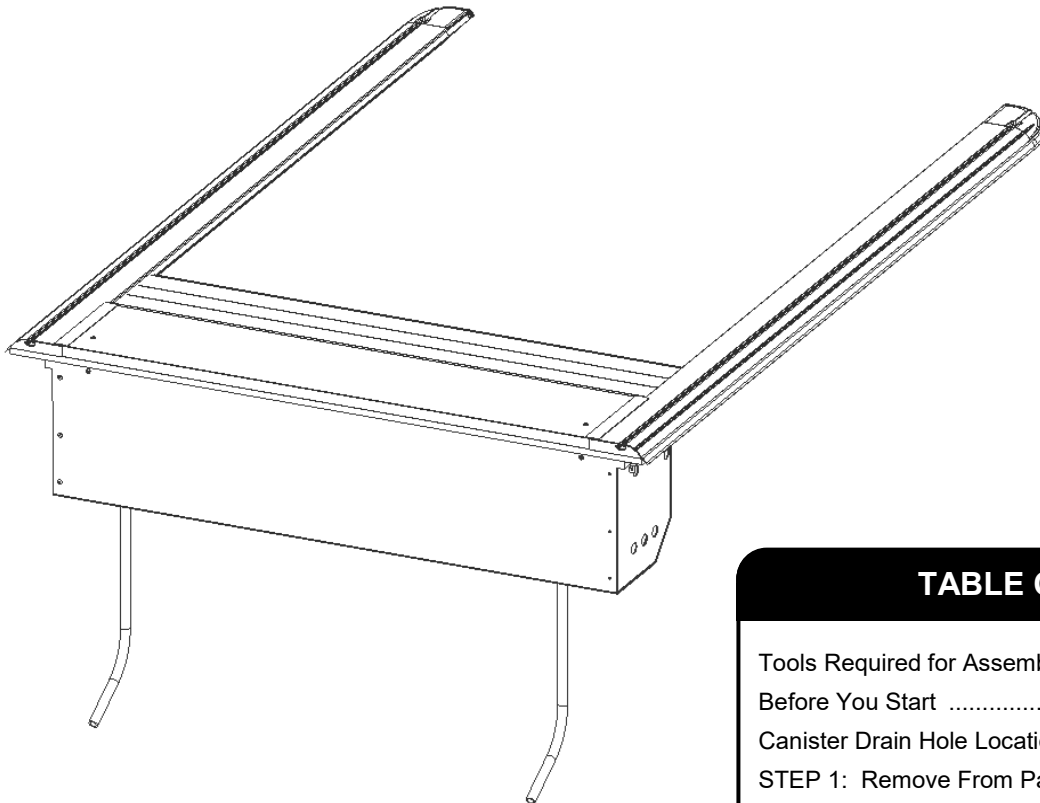


UltraGroove Electric™

Electric Retractable Tonneau Covers

INSTALLATION INSTRUCTIONS FORD SUPERDUTY



(800) 338-3697

www.paceedwards.com

Pace Edwards Company

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Centralia WA 98531

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TOOLS REQUIRED FOR ASSEMBLY

Tape Measure

Side Cut or Needle Nose Pliers

Masking tape

3/8" Wrench

#2 Phillips Screwdriver

Utility Knife

5/32 Allen Wrench

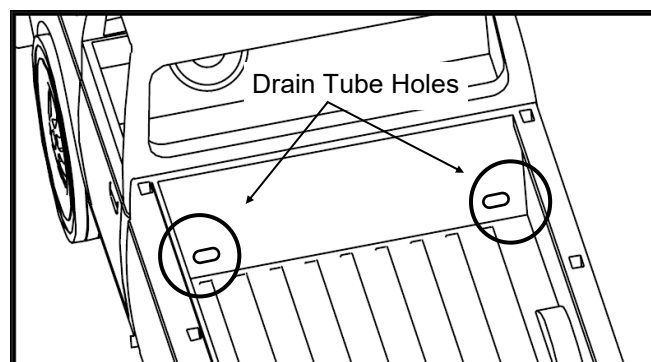
Note: There should be no drilling into the truck body needed on most standard or full-size trucks.

BEFORE YOU START!

Read the instructions carefully before you start. If you have any questions regarding the installation please call our Technical Support Line at (800) 338-3697 Ext #1.

CANISTER DRAIN HOLE LOCATIONS:

This tonneau cover is designed to carry rainwater from the cover into the canister and then out through the drains. You will need to remove the standard OE plastic/rubber access ports at the front of the bed and replace with Drain Plugs that are provided in the kit. This will need to be done before installing the cover.



STEP 1: REMOVE FROM PACKAGING AND REVIEW CONTENTS

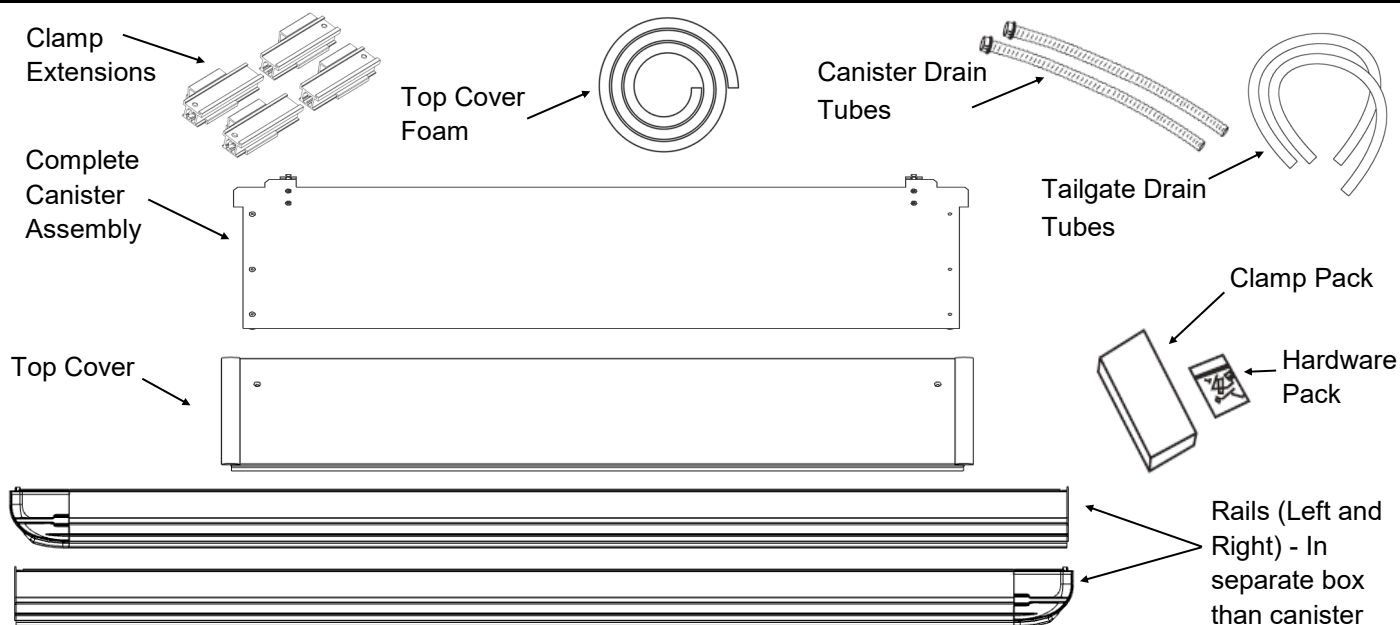
A complete unit will consist of one canister box (marked box 1 of 2) and one rail box (marked box 2 of 2). Remove the Top Cover, Canister, Clamp pack, Hardware pack, Foam, Clamp Extensions and Drain Tubes from the Canister box. Remove the rails from the rail box (see caution below). Perform a quick inventory of the packaging contents to ensure all parts are there. Using the 3/8" wrench or socket, remove the 2 bolts holding the plywood packaging supports on the ends of the canister. Discard plywood packaging supports and bolts.

CAUTION!

TO AVOID SCRATCHING THE SURFACE OF THE RAILS, DO NOT SLIDE THEM OUT THE END OF THE BOX. OPEN THE BOX ALONG THE LENGTH, USE PLIERS TO PULL THE STAPLES, LIFT THE RAIL OUT. DO NOT USE A KNIFE TO CUT THE BOX

CAUTION!

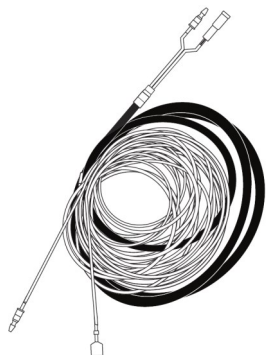
PACKAGING CONTENTS:



STEP 2: INSTALL WIRING HARNESS

HARDWARE USED:

(If the optional wire harness **Part# BL1120** is used, you may want to tape it to the main harness to ease having to pull them through the bottom of bed separately).



WIRE HARNESS x 1

From inside the truck bed push the long wire harness end without the plug through the stake pocket on the drivers side of the truck and out the underside of the truck bed box.

Leave approximately one foot of slack inside the box for mounting the electronics.

Route the wire harness under the truck and to the battery in the engine compartment.

Attach the fuse holder to the end of the Red/positive wire.

(Do not attach to the battery yet.)



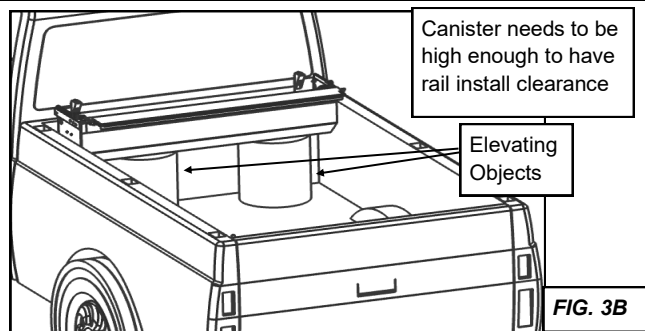
ZIP TIES x 5

Secure the harness with wire ties provided after slack from the canister had been taken out.

STEP 3: POSITIONING CANISTER

Place the Canister in the truck bed just behind the cab and center it from side to side. You will need to place the canister on elevating objects, such as the box the canister came in or 5 gallon buckets. (If you have someone to help you, you can jump to step 5 and install the assembled canister and rails on the truck.)

Note: Ensuring that the canister is centered in the bed will help assemble the rails to canister in the next step.



STEP 4: INSTALLING RAILS

Remove the protective paper from the foam on the underside of the Rail flanges. This is for packaging purposes only.

Identify the left and right side rails (FIG 4A). The rail flange and foam towards the outside of the truck bed.

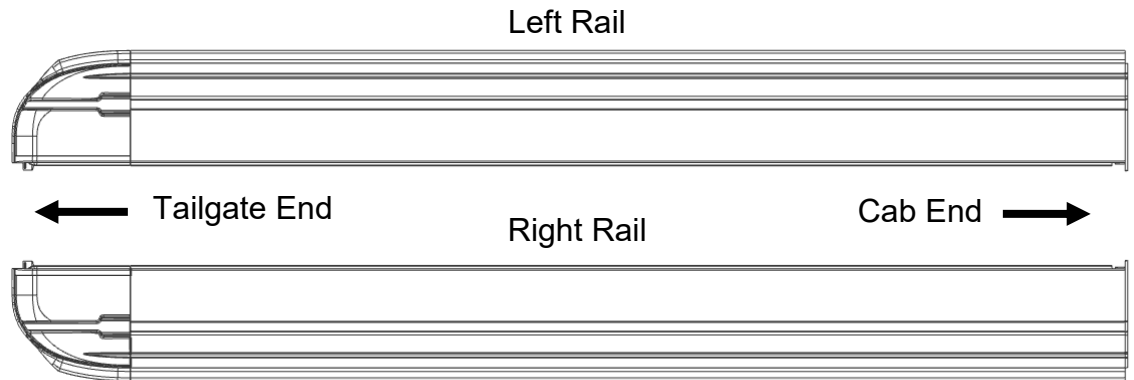
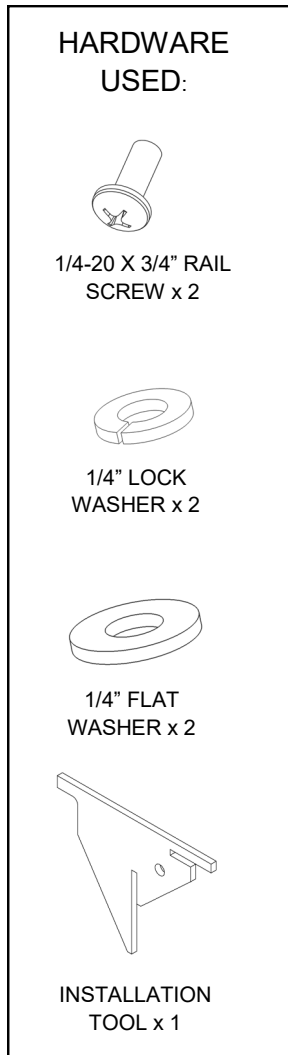


FIG. 4A

Pull the Lead Rib Flange toward the tailgate enough to clear the Canister Flange and Canister Stop, then slide the Installation Tool onto the Canister Flange near the side that the rail is being installed on and rest the Lead Rib Flange on the Installation Tool (FIG.4B)

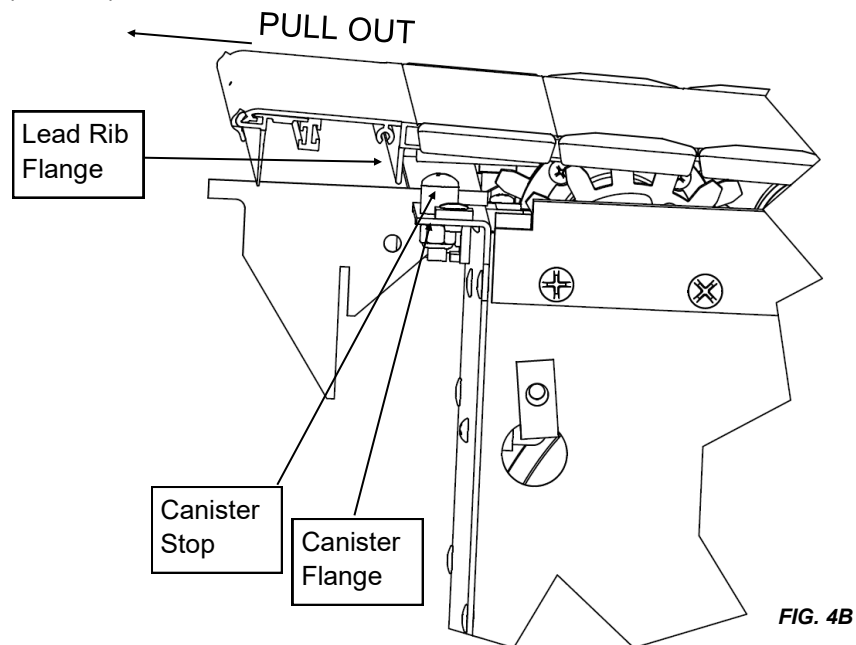


FIG. 4B

Slide along the rail grip until the rail vertical is parallel to the 2nd rib of the cover. Rotate the rail towards the canister, while keeping the outside edge of the rail locked in the outside groove (FIG. 4C & 4D).

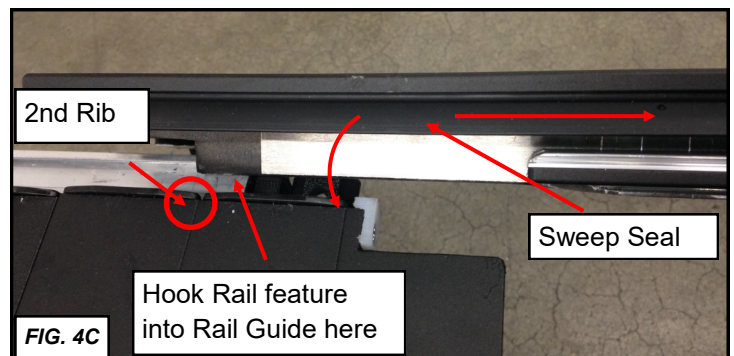
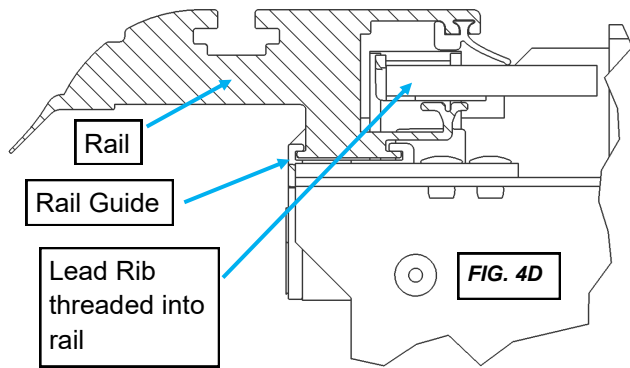
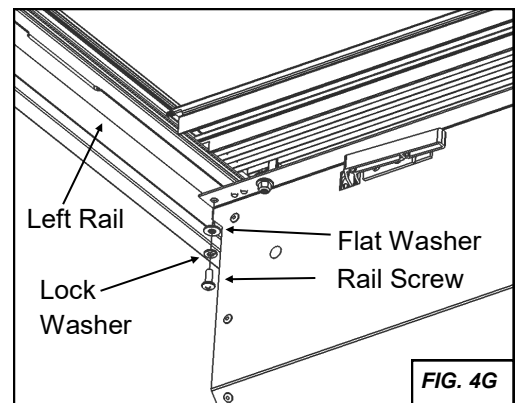
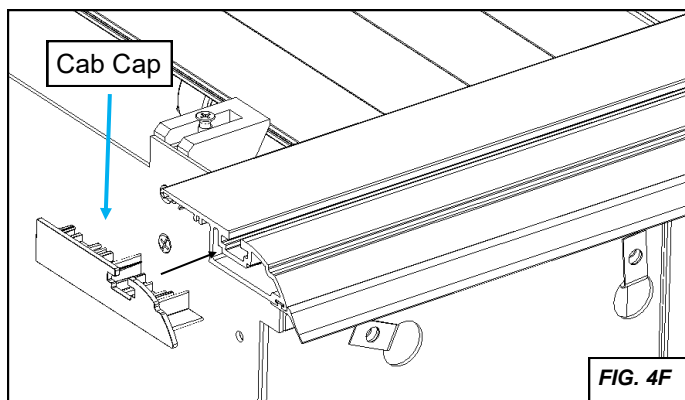


FIG. 4C



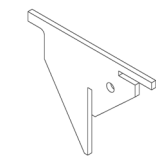
Thread the Lead Rib into the rail and push the rail forward to the end of the can (FIG 4D & 4E). If you have difficulty threading the Lead Rib into the rail, lift up on the lead rib with one hand while pushing the rail forward with the other. Next push the cab caps into the front of the rails (FIG 4F). Secure the rail to the canister with the Rail Screws and washers provided. (FIG 4G).



STEP 5: INSTALLING THE TOP COVER



6FT OF FOAM



INSTALLATION TOOL x 1

Remove the protectant wipe that is attached to the underside of the Top Cover and set it aside for step 10. Shut the tailgate and position the rails so that there is a 1/4" gap between the Bottom Cap and tailgate (FIG 5A). Verify using the Tailgate Seal Gauge on the Installation Tool (FIG 5B & 5C). The Gauge should easily slide between the tailgate and Bottom Cap. The tailgate should push into and deflect the Tailgate Seal.

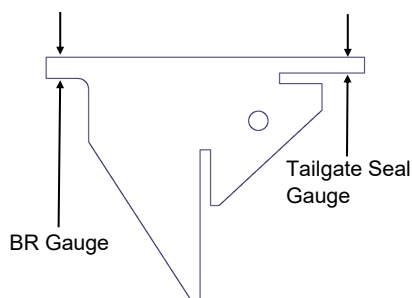


FIG. 5B

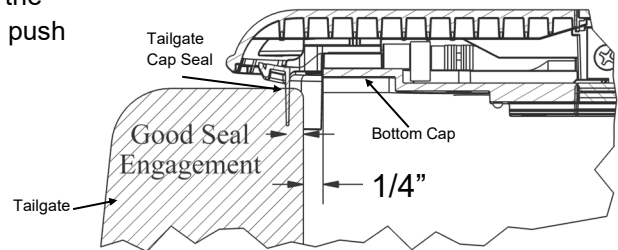


FIG. 5A

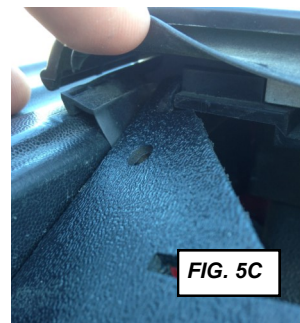
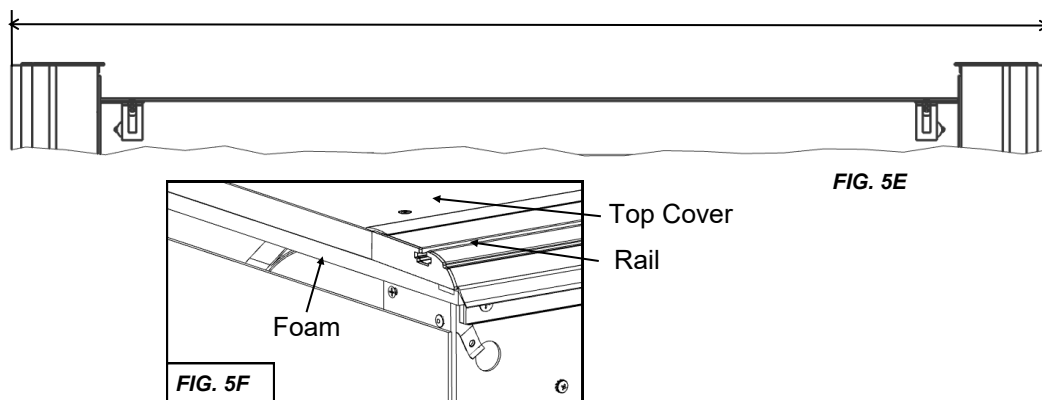
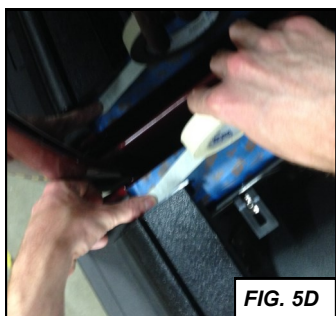


FIG. 5C

WARNING: Proper Tailgate Cap Seal Engagement is important for getting the best possible water resistance out of your cover!



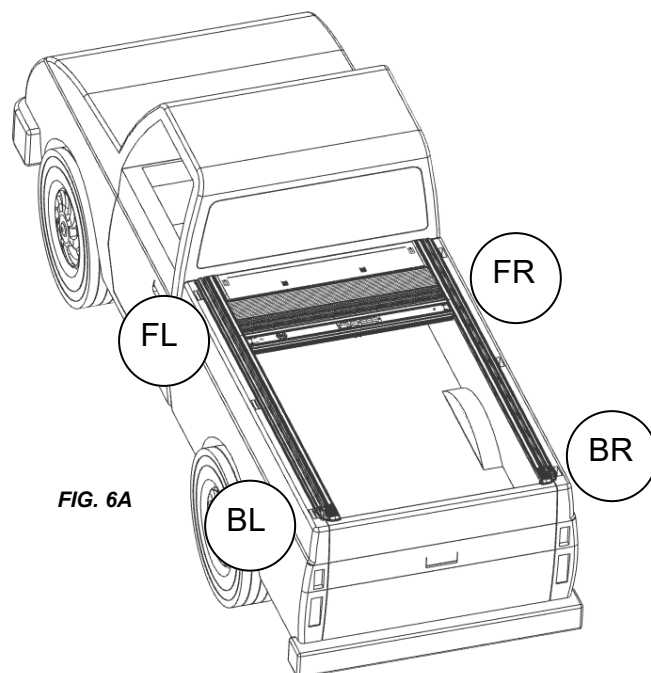
Next, mark where the front of the rails sit with masking tape, this will be a guide for placing your foam. (FIG 5D). Now pull the cover back until there is room to apply the foam. Lay the foam on the front sill of the truck from rail to rail, trimming the excess with a utility knife (FIG 5E).

Now lift and place the rails and canister back on the foam and double check that your tailgate seal engagement is good. You can now install your top cover with the two included screws while making sure it aligns with the front of your rails (FIG 5F).

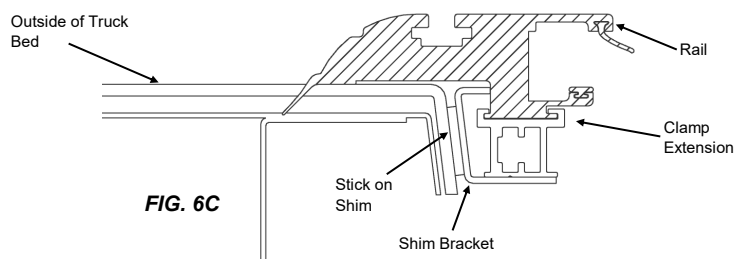
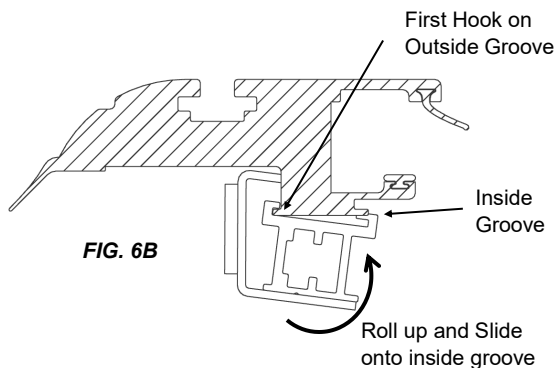
WARNING: Proper top cover foam installation is important for getting the best possible water resistance out of your cover!

STEP 6: INSTALLING THE CLAMP EXTENSIONS

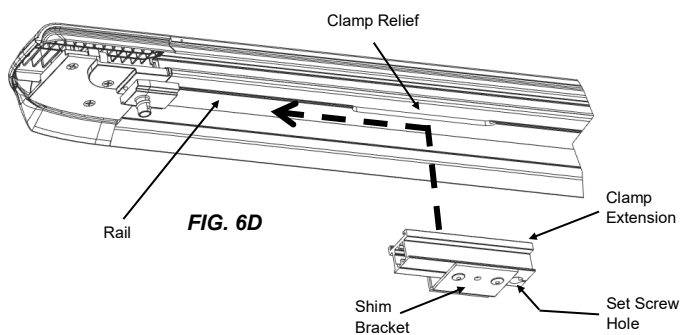
Slide the clamp extensions on the tailgate and cab end of each rail as pictured in Figure 6A-6E. Ensure that your tailgate end and cab end extensions are in the correct orientation and have the correct stick on shims. Each clamp extension is labeled for front left (FL), front right (FR), back left (BL), and back right (BR). The extensions go on the corners shown in figure 6A.



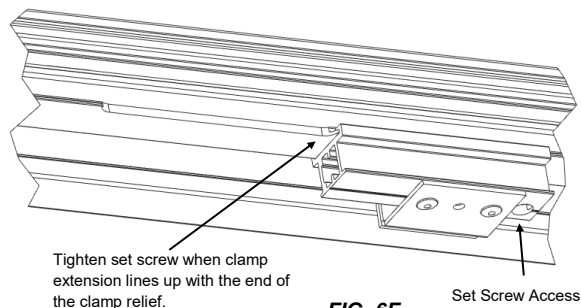
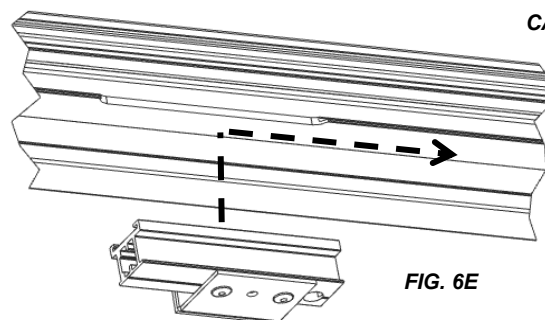
Next slide the extensions so they line up flush with the end of the clamp relief as shown in Figure 6F and tighten with a 5/32" Allen Wrench. If you have trouble sliding on the clamp extension, make sure your set screw is not sticking out the top of the clamp extension.



TAILGATE END



CAB END



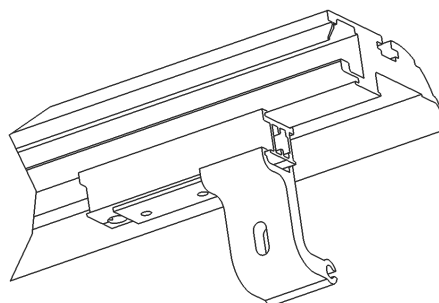
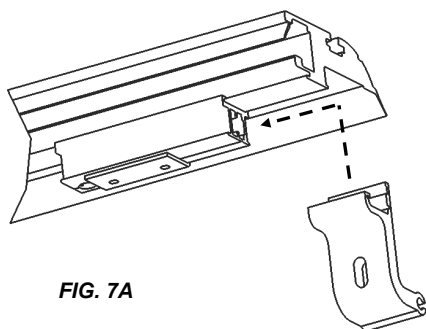
Tighten set screw when clamp extension lines up with the end of the clamp relief.

Set Screw Access

STEP 7: INSTALLING THE CLAMPS

Secure the rails to the truck bed by installing two clamp assemblies per rail. Slide the Clamp Grip onto the Clamp Extension toward the Shim Bracket and (FIG 7A and 7B). Assemble the rest of the clamp parts as shown (FIG 7D).

Check for proper spacing between the rails by inserting the BR Gauge on the install tool in between the rail metal and the handle stop (FIG 7E). Also check the between the rail measurement at the canister and the tailgate end of the rails and ensure they are equal to or less than those in Figure 7C. The Clamp Extensions have been pre-installed with brackets and shims to achieve the proper BR dimension when placed on an average factory truck bed. However, not all truck beds are average dimensionally.



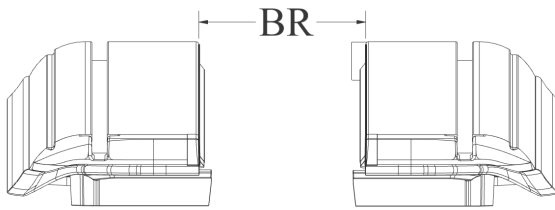


FIG. 7C

Part number is on the serial number label in the upper left corner of the canister (looking from tailgate).

PART NUMBER	BETWEEN RAILS (BR)
KE2176	59 1/16
KE2177	59 1/16

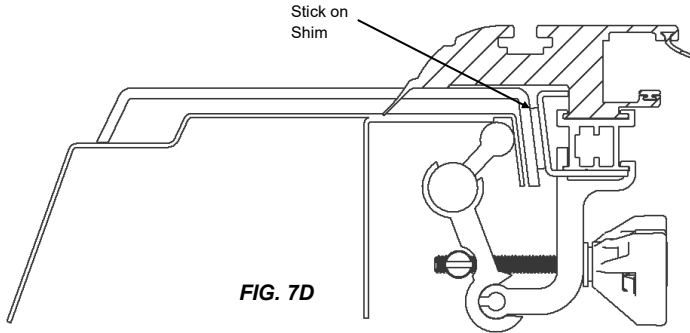


FIG. 7D

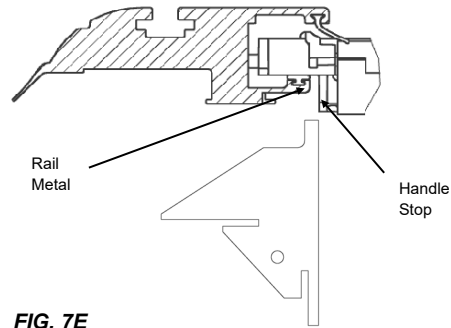


FIG. 7E

Another way to verify fit is to check the side to side play of the handle assembly at the canister and at the tailgate end of the rails. There should be, at the minimum, enough play to allow the cover to move freely with no drag and at a maximum 1/8 inch per side. More than 1/8 inch per side may result in the cover opening unintentionally and in severe cases it may fall between the rail tracks and damage the cover. **There are “Stick on Shims” on the shim brackets that can be removed if the unit is too tight and “Stick on Shims” in the hardware pack that can be added if too loose. Refer to Figure 7D for “Stick on Shims” if adjustment is needed.**

STEP 8: INSTALLING KICKSTANDS

At the tailgate ends of the rails, place the Straight Grip opposite of the relief used by the clamp extension. This will position the Kickstand on the flat section of bed wall. If the assembly is not positioned squarely against the bed wall, the assembly will rotate out of position, or the foot or knob can dislodge when the rail is flexed or loaded (FIG. 8C).

Run the adjusting bolt inward toward the bed wall, putting some pressure on the foot, tighten the wing nut, then continue running the bolt inward using the knob until the rail is visually level. If the rail is difficult to level, loosen the clamp, continue running the adjusting bolt in a couple turns, retighten the clamp, then verify the rail is level and that the bracket/shim is contacting the bed rail.

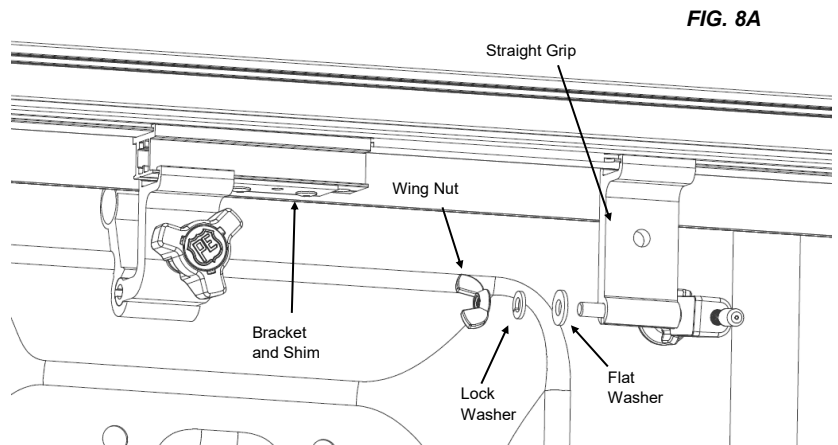


FIG. 8A

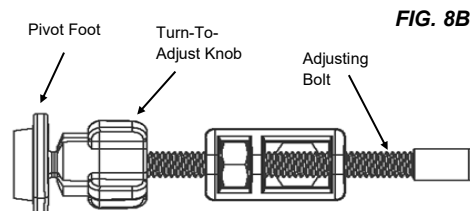


FIG. 8B

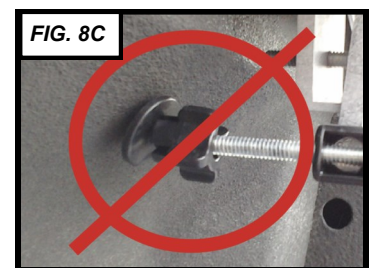


FIG. 8C

STEP 9: INSTALLING TAILGATE DRAINTUBES

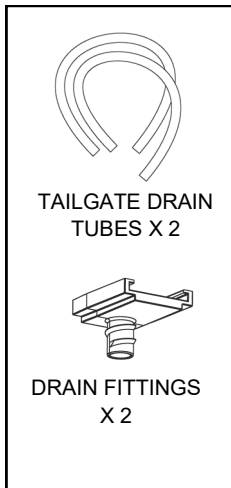


FIG. 9A

To install the tailgate drain tubes you need to find suitable holes in the rear stiffener of your truck bed. Figure 9C shows possible hole locations.

Next you will screw the drain tube onto the drain fitting and slide it on the tailgate cap as shown in Figure 9B. There is an interference bump on the cap that will lock the drain fitting in place. Next you will need to thread the drain tube in the desired hole and trim the length of the tube if needed. If there are no holes on the tailgate side of your truck you will need to drill holes, make sure to check for wires you could damage first (5/8" or 16mm).

WARNING: Drain tube installation is paramount to getting the best possible water resistance out of your cover!

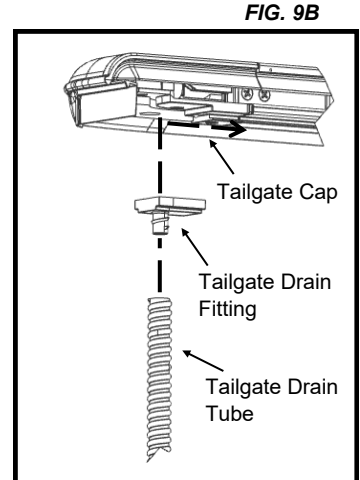
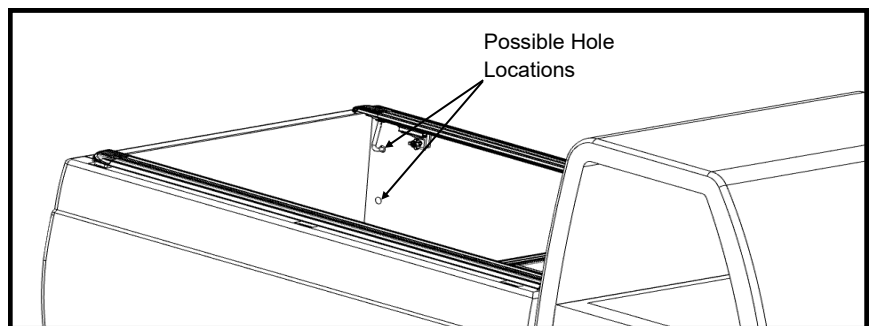


FIG. 9B

FIG. 9C



STEP 10: LUBRICATING & PLACING THE SWEEP SEALS

Locate the sweep seals (rubber weather strips) on the rails. Use the provided UV protectant to wipe the underside of the sweep seal and the top of the wear strip on each rail. The UV protectant can be found adhered to the underside of the top cover lid or in the hardware pack.

Extend the cover to the tailgate. Use an Allen Wrench if needed to carefully draw out the sweep seal (seal should be angled outwards toward the cover—not rolling in toward the bed rail). (Fig. 10A)

Proper care and placement of the sweep seal will ensure smooth operation of the cover. Alcohol, petroleum or silicone based cleaners should be avoided and ARE NOT recommended for our covers.

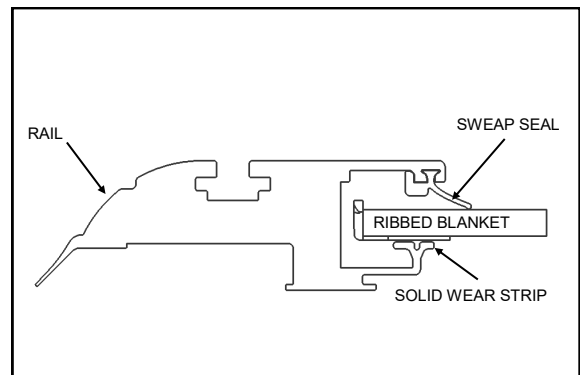


FIG. 10A

STEP 11: CONNECTING THE ELECTRONICS

HARDWARE USED:



2-BUTTON REMOTE
KEY FOB x 2

The electronics box has been pre-mounted to the inside of the canister.

Connect the battery wire harness into the 2-wire plug at the end of the canister (**also connect the optional manual switch harness, if installed at this time**)

Attach the Red (positive) and Black (negative) wires to the battery or the truck manufacturers suggested connection points at this time.

Unit is now ready to operate.

Press the Open button to open cover and press the Close button to shut the cover.

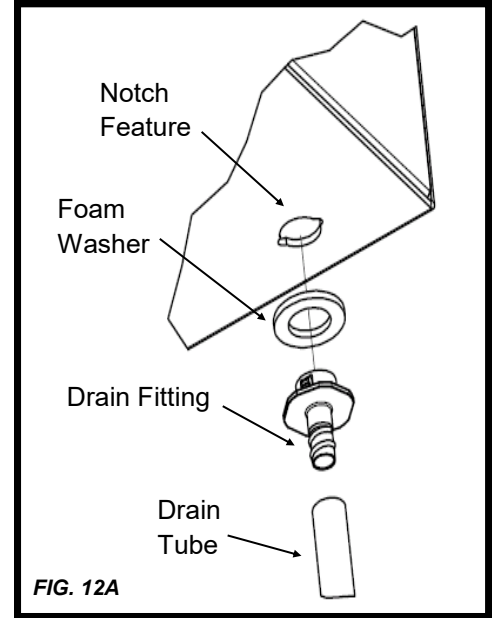
STEP 12: INSTALLING CANISTER DRAIN TUBES

First, ensure that the Foam Washer is in place on the Drain Fitting as this washer will help prevent water leakage. Next, test fit the drain tube to determine the length you want to trim it. Always caution on the long side. Trim the end that will be inserted through the truck bed using the wire cutters or a utility knife.

With the cover opened, insert the drain tube fittings into the pre-drilled holes on the underside of the canister by pushing them in place from under the canister. Drain Fitting should click into place.

Place the other end of the drain tube through the plastic/rubber access port or through the pre-drilled holes in the floor or the front wall of the truck bed. If routing through the front wall, ensure that the drain tubes are inserted and directed down so water flows out of the truck. **(WARNING: Use caution not to drill into wires, hoses or the cab!)**

To remove the drain tubes reach under the canister, grab the drain tube fitting and turn it while applying light downward pressure. When the retaining tabs align with notches in the bottom of the canister the Drain Tube and Fitting will drop out.



STEP 13: RELEASE HANDLE INSTRUCTIONS

If power is lost to the Ultragroove Electric unit or the electric drive system fails to operate and you have to use the cover right away you can do the following to open or close the cover:

1. You will need to gain access to the release handle located on the driver side of the canister at the front of the truck bed. Once you have access to it, Pull the handle out away from the canister and pull out the handle kickstand behind it.
2. Settle the kickstand into the notch on the handle to hold the handle in place.
3. Now you should be able to push or pull the paneled blanket manually open or closed.

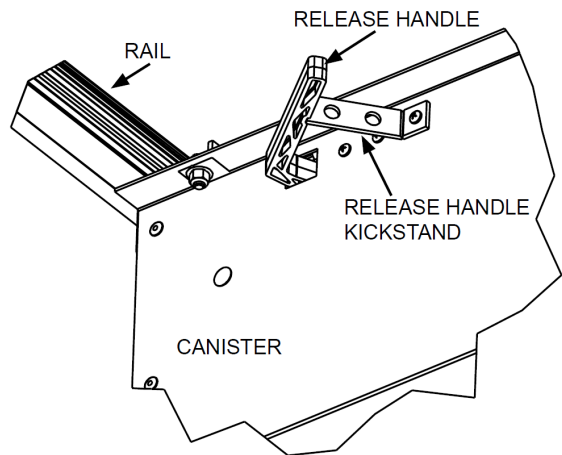


FIG. 13A

NOTE: The blanket will not lock unless you disengage the

kickstand and lower the release handle. With the handle released the cover will move a short distance and the cover will then lock itself in place. (Cover may not lock tightly against tailgate) This process will allow you to use the cover until power is restored. It is not meant for extended or permanent use.

MAINTENANCE

After installation, if the cover is tight or hard to open and close, the shimming may need to be re-adjusted.

Periodically remove the Top Cover and clean out the canister.

Drain tubes may become clogged overtime and should be removed and cleaned. To remove the drain tubes reach under the canister, grab the drain tube fitting and turn it while applying light downward pressure. When the retaining tabs align with notches in the bottom of the canister the Drain Tube and Fitting will drop out. (FIG. 14A)

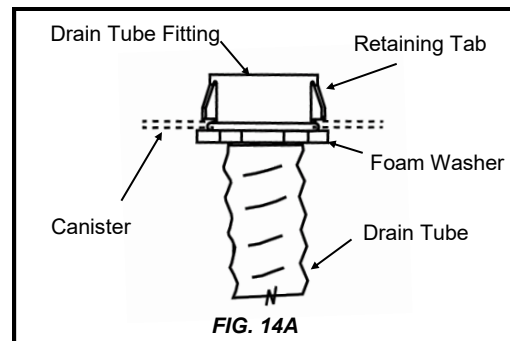


FIG. 14A

To help keep your Ultragroove Electric Retractable Tonneau Cover looking it's best, we recommend washing it the same way you wash your truck. However you should not wax your cover.

RELEASE HANDLE ASSEMBLY MAINTENANCE

Maintenance of the Release Handle Assembly requires lubrication of the coupler located inside the canister. This is done during factory assembly but may need to be done from time to time during the life of your cover.

A small lubrication hole is provided on the coupler that a fine tipped grease gun can inject a small amount of grease into. A high quality waterproof wheel bearing grease is recommended.

To get to the coupler you will need to remove the rail clamps and end caps at the end of the rails. Use the manual release handle and **manually** pull the blanket out the end of the rails until you have access to the coupler inside the canister. Grease the coupler, cycle and spin it to distribute lubricant then reverse the process to re-assemble the cover being sure to **manually** push the cover back into place in the canister. **(DO NOT USE THE MOTOR TO RUN THE BLANKET INTO THE CANISTER OR YOU WILL DAMAGE THE RIB CAPS ON THE EDGES OF THE BLANKET.)**

**ULTRAGROOVE™ METAL
FULL-METAL™ JACKRABBIT®
FULL-METAL JACKRABBIT MATTE
ULTIMATE LIFETIME WARRANTY**

This limited lifetime warranty covers: Failure of materials and workmanship. Warranty replacement will be issued at no cost for the life of the cover to the original owner on original vehicle – nontransferable.

- Separation of the UltraGroove Metal/Full Metal JackRabbit/Full Metal JackRabbit Matte deck panels
- All lock assemblies
- All hardware and components

**ULTRAGROOVE ELECTRIC
BEDLOCKER®/BEDLOCKER MATTE**

For a period of seven (7) years from the date of purchase the Pace - Edwards electric retractable cover has the following limited warranty:

- Failure of materials and workmanship
- Separation of the UltraGroove Electric/BedLocker/BedLocker Matte deck panels
- Failure of the UltraGroove Electric/BedLocker/BedLocker Matte drive system and electrical components
- All hardware and components
- Warranty will be prorated after five (5) years

**ULTRAGROOVE
JACKRABBIT/JACKRABBIT MATTE**

For a period of five (5) years from the date of purchase, the cover will have the following limited warranty:

- Delamination of the ArmorTek deck
- Failure of the Continuous Tension Spring
- All lock assemblies
- All hardware and components

SWITCHBLADE™/SWITCHBLADE METAL

For a period of two (2) years, the cover will have the following limited warranty:

- Delamination of the ArmorTek deck material
- Failure of the Continuous Tension Spring
- All hardware and components

EXCLUSIONS (ALL MODELS):

- Normal wear and tear over the life of the Pace Edwards cover (including fading or discoloration)
- Water intrusion at any location or any damage caused as a result
- Additional installed parts and accessories
- Acts of nature such as tornadoes or hurricanes, or other external causes

ITEMS WHICH WILL VOID WARRANTY:

- Use of lubrication other than prescribed in owners/ installation manual
- Misuse, negligence, or accident
- Improper installation of product
- Failure to adequately secure cargo to prevent damage to the Pace Edwards cover
- Installation of parts or accessory which may interfere with the Pace Edwards cover without written permission of Pace Edwards
- Additional installed parts and accessories
- Acts of nature such as tornadoes or hurricanes, or other external causes

CONDITIONS AND LIMITATIONS:

- Any part of the Pace Edwards retractable cover found to be defective under the terms of the warranty will be repaired or replaced, at the discretion of Pace Edwards.
- Pace Edwards will have the final decision if the part in question is defective.
- Pace Edwards has no responsibility with regards to installation by its dealers or agents.
- Pace Edwards does not, under any circumstances, assume response ability for loss of item, revenue, inconvenience, or other consequential damage including, but not limited to, expenses for telephone, food, lodging, travel, loss, or damage to the vehicle the cover is installed upon, or loss or damage to personal property of the purchaser or user of the product.
- Pace Edwards will not accept any responsibility to any purchaser for warranty expressed or implied by any of its dealers, distributors, or agents.
- Pace Edwards reserves the right to make changes in the design of, improvements to, or warranty of its products without imposing any obligation for any products manufactured.
- Under no circumstances will Pace Edwards be liable for special, indirect, incidental, or consequential damages incurred in connection with any Pace Edwards retractable cover or its accessories.

Effective February 20, 2023

Name _____

Address _____

City _____ State _____ Zip _____

Vehicle Year _____ Make _____ Model _____

Model Number _____ Serial Number _____

Email _____ Phone _____

Date of Purchase _____ Purchased From _____ Price Paid _____

Customer Signature _____