

**PACE | EDWARDS**  
BY **LEER**

# ULTRAGROOVE ELECTRIC™

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# RANGER



RETRACTABLE TONNEAU COVERS  
INSTALLATION INSTRUCTIONS

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COUVRE-CAISSE RÉTRACTABLES  
NOTICE D'INSTALLATION

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CUBIERTAS DE LONA RETRÁCTILES  
INSTRUCCIONES DE INSTALACIÓN





# ULTRAGROOVE ELECTRIC FOR THE FORD RANGER



## TOOLS REQUIRED FOR ASSEMBLY



Utility  
Knife



Side Cut  
or Needle  
Nose Pliers



3/8"  
Wrench



5/32"  
Allen  
Wrench



Tape Measure



#2 Phillips  
Screwdriver



7/16" Socket  
Torque  
Wrench



Masking Tape

## BEFORE YOU START!

Read instructions carefully and watch the installation video before you start. You may use QR Code or go to <https://www.snugtop.com/ford> for the installation video and other helpful material.



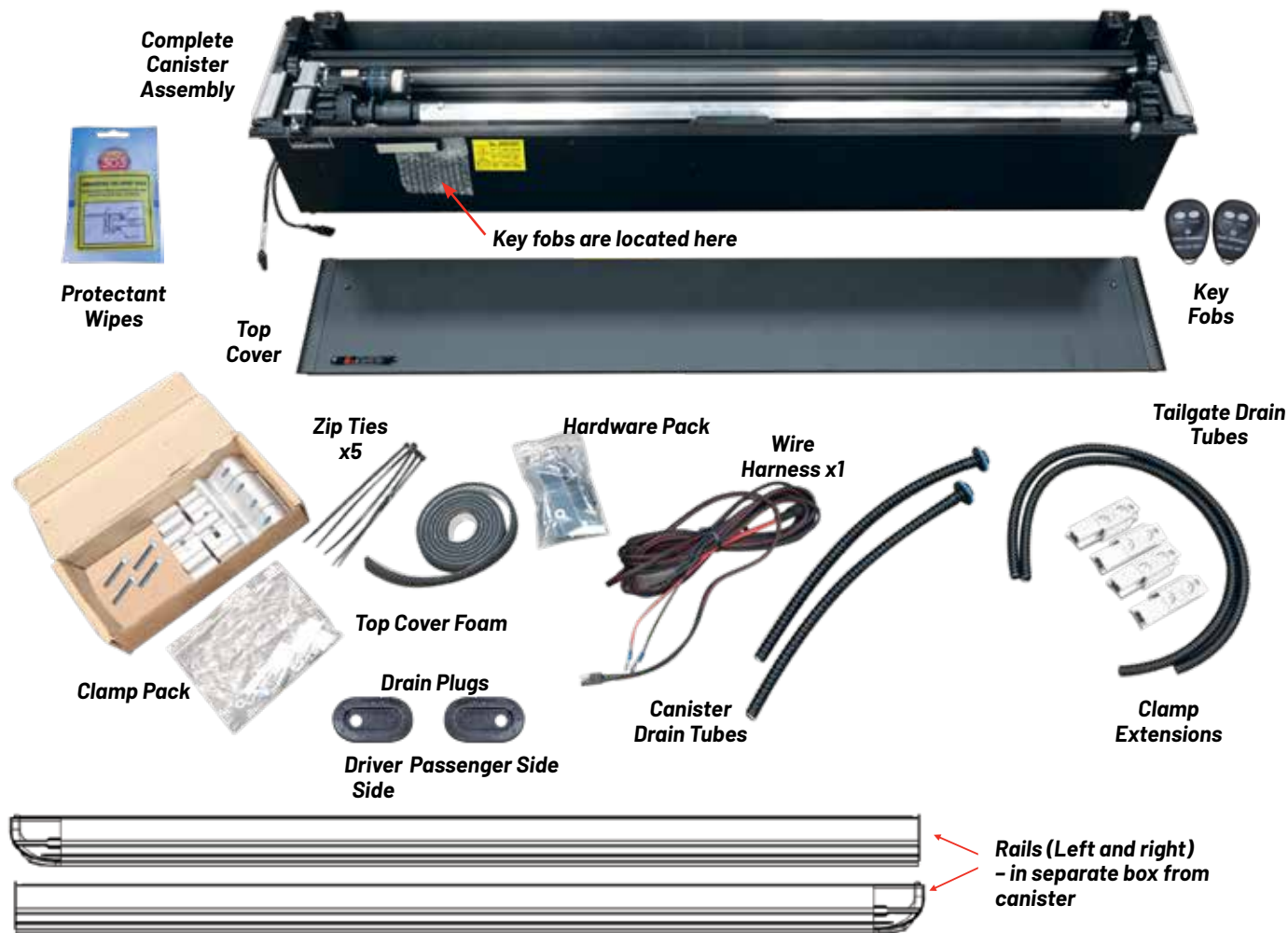
## STEP 1: REMOVE FROM PACKAGING AND REVIEW CONTENTS

**CAUTION**

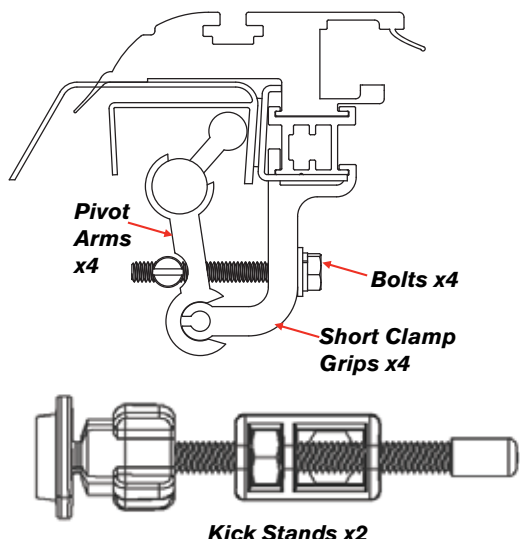
TO AVOID SCRATCHING THE SURFACE OF THE RAILS, DO NOT SLIDE THEM OUT OF THE END OF THE BOX. OPEN THE BOX ALONG THE LENGTH, USE PLIERS TO PULL THE STAPLES, LIFT THE RAIL OUT. DO NOT USE A KNIFE TO CUT THE BOX.

**CAUTION**

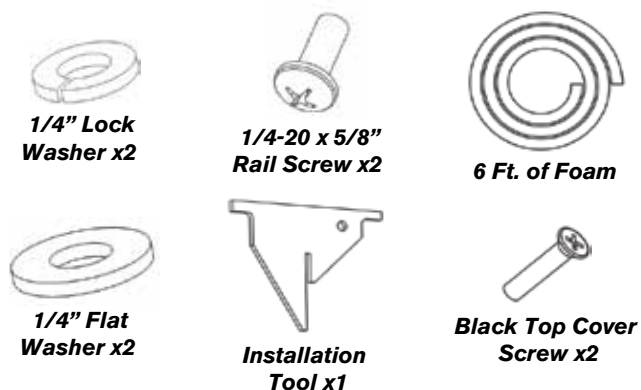
# PACKAGING CONTENTS:



## CLAMP PACK INCLUDES:

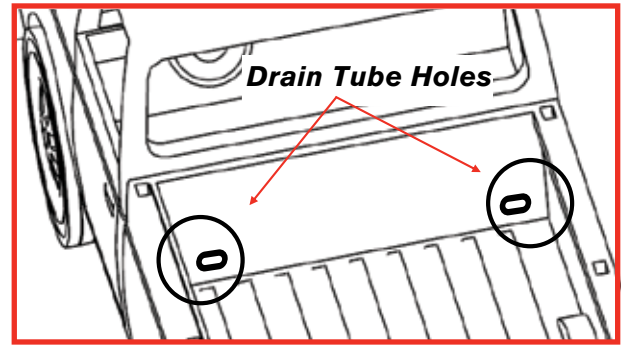


## HARDWARE PACK INCLUDES:



# 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 that cover the drain tube holes and replace with the given Drain Plugs that are provided in your kit. This will need to be done before installing the cover.



**Note: Driver side/Passenger side specific. Drain Holes located to the outside of the bed.**

## STEP 2: INSTALL WIRING HARNESS

### HARDWARE USED:



Wire Harness x1



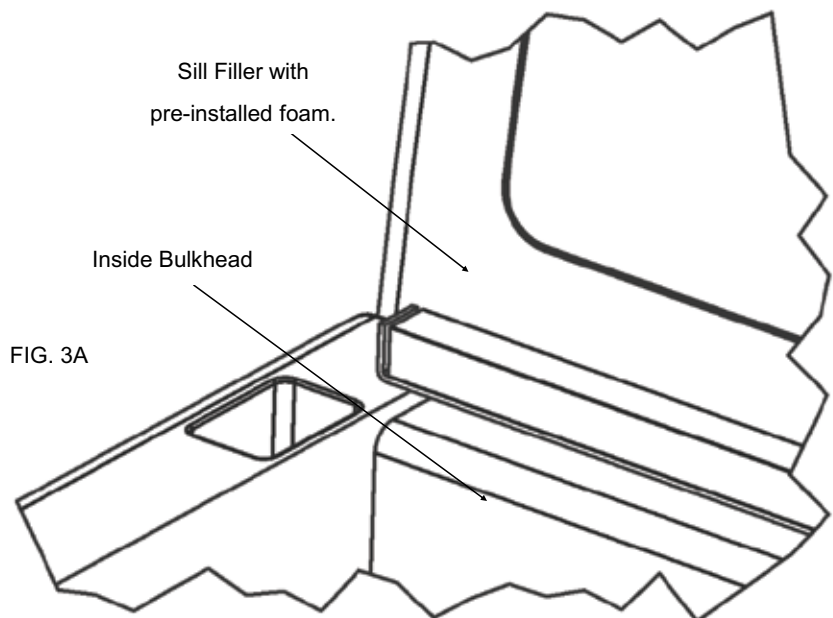
Zip Ties x5

## STEP 3: INSTALLING FRONT SILL FILLER AND CANISTER SUPPORTS

**If you have a factory drop in liner you will need to trim the liner where it interferes with the canister.**

This application requires a sill filler to fill the step in the bulkhead. The first step is to clean the bulkhead with rubbing alcohol so that you have a clean surface to stick to.

After the alcohol is dry, remove about 4 inches of the adhesive liner from the Sill Filler. Then start to stick the sill filler so that it is flush with the Inside Bulkhead (FIG. 3A). Make sure that it is lined up where you want it and slowly remove the adhesive liner and apply pressure to the sill filler as you go, to set the adhesive.





## STEP 3: INSTALLING FRONT SILL FILLER AND CANISTER SUPPORTS

Remove the factory tie downs in the front of the bed. Install the Canister Support Brackets in their place as shown in Figure 3B, reusing the original tie down bolts. Install using the lower holes for Ultragroove Electric covers.

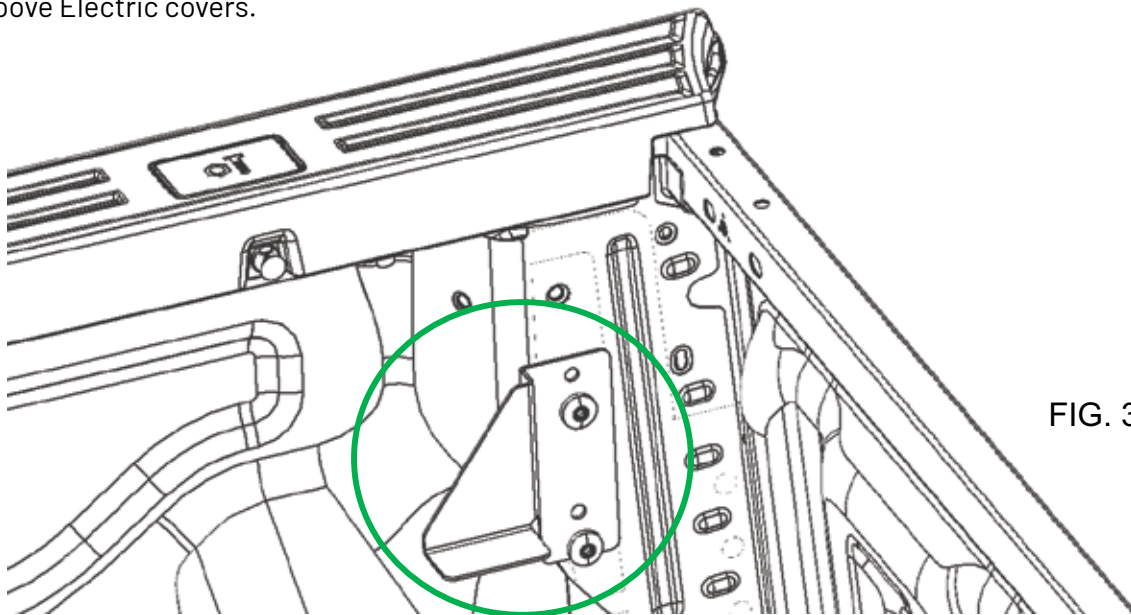


FIG. 3B

## STEP 3: POSITIONING CANISTER

Place the Canister in 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 4 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.

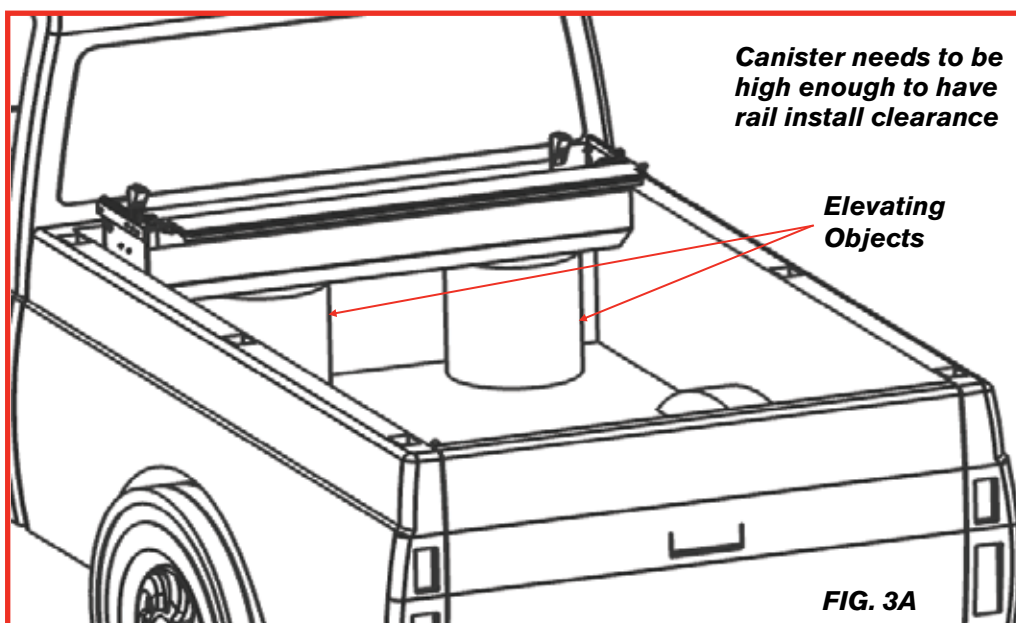


FIG. 3A

# STEP 4: INSTALLING RAILS

## HARDWARE USED:

  
1/4-20 X 5/8" Rail  
Screw x2

  
1/4" Lock  
Washer x2

  
1/4" Flat  
Washer x2

- Remove the protective paper from the foam on the underside of the Rail flanges. This is for packaging purposes only.
- Next identify the left and right side rails (FIG 4A). The rail flange and foam towards the outside of the truck bed.

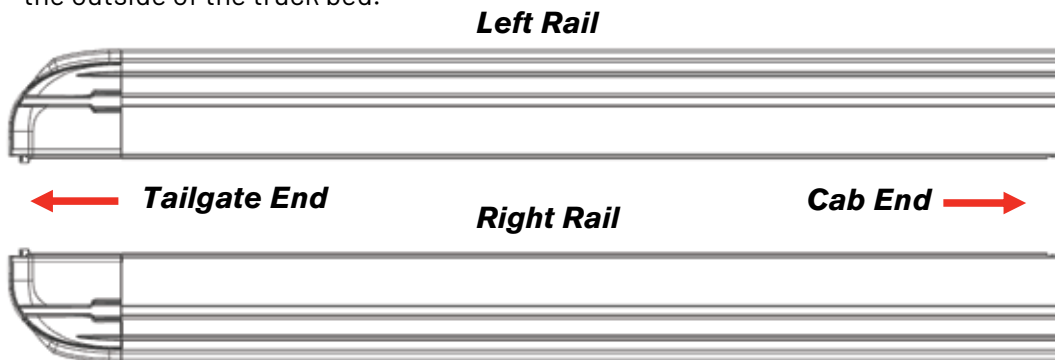


FIG. 4A

- First, make sure that the Lead Rib Flange is in pulled toward the tailgate enough to clear the Canister Flange and Canister Stop (FIG 4B).

Figure 4B shows that the lead rib needs to be pulled out toward the tail gate. Now hook the rail into the rail guide and roll it down making sure to not get the sweep seal folded back into the rail (FIG 4C).

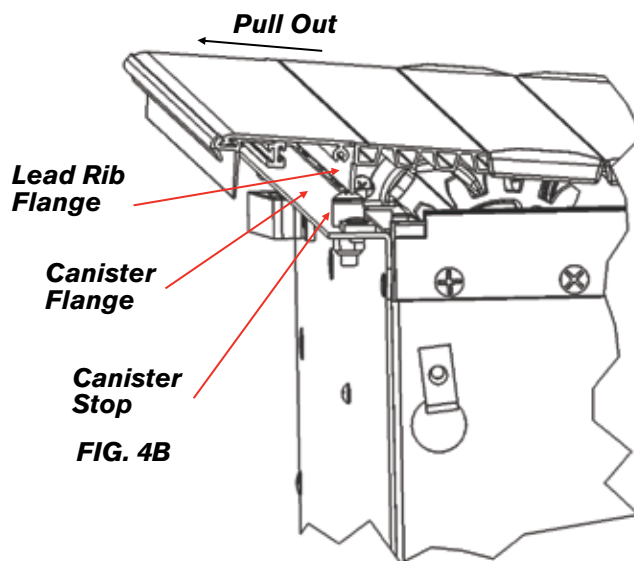


FIG. 4B

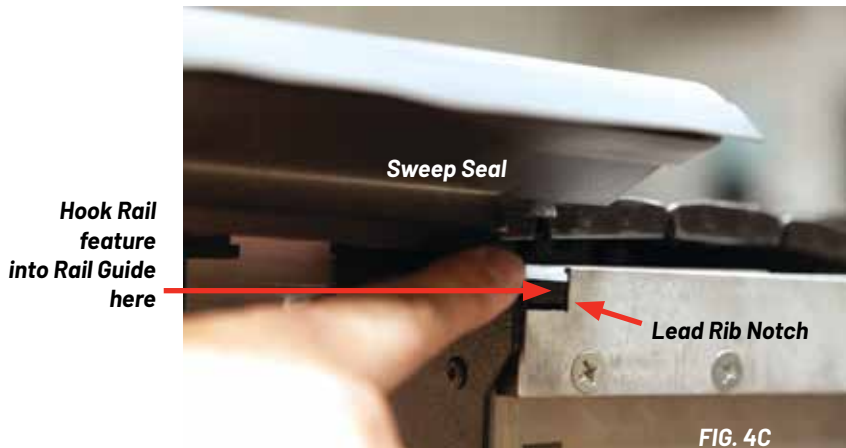
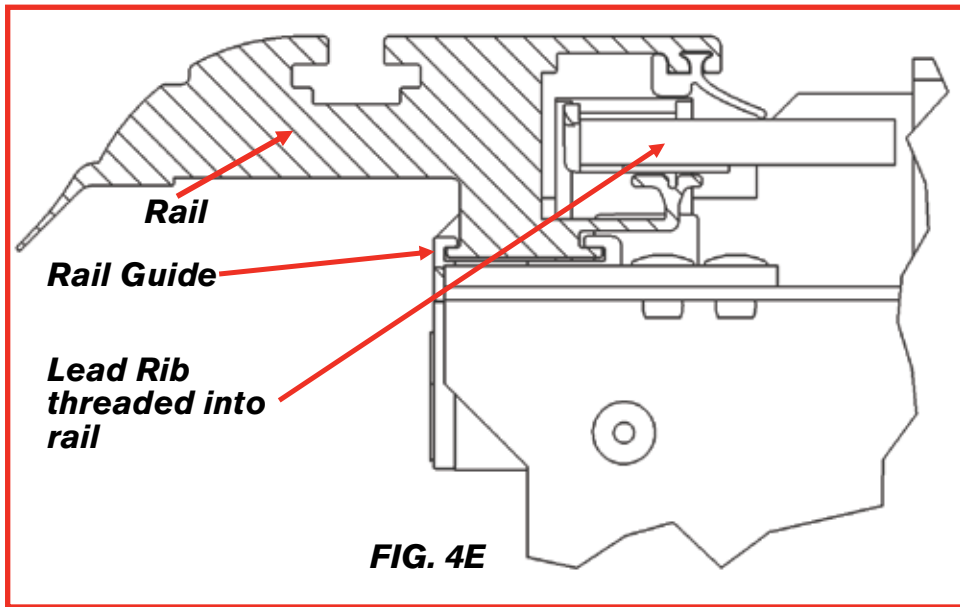


FIG. 4C

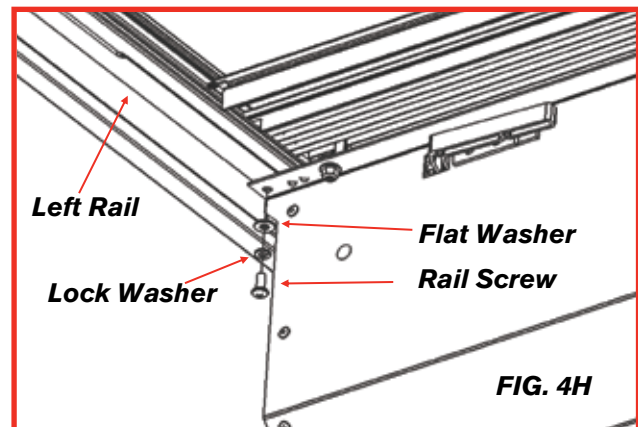
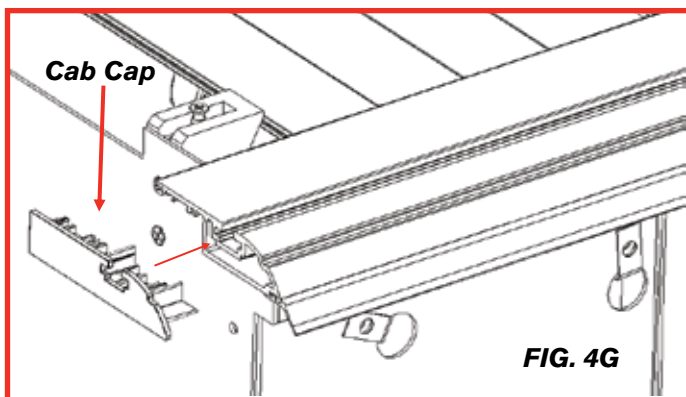
## STEP 4: INSTALLING RAILS CONTINUED



Push the rail forward to the end of the can (FIG 4E). If you have difficulty threading the Lead Rib into the rail, you can gently lift up on the lead rib with your left hand while pushing the rail forward with your right.



- Then you can thread the Lead Rib into the rail and push the rail forward to the end of the canister (FIG 4E & 4F). If you have difficulty threading the Lead Rib into the rail, you can gently lift up on the lead rib with your left hand, while pushing the rail forward with your right. Next, push the cab caps into the front of the rails (FIG 4G). Finally secure the rail to the canister with the Rail Screws provided with flat washer and lock washer (FIG 4H).



## STEP 4: INSTALLING RAILS

### CONTINUED

With the cover assembly sitting in the bed, check the clearance between the Canister and Support. If there is a gap, Lift the canister and install one of the extra stick on shims to the support bracket. Be sure that the bracket/shims are not lifting the tonneau rails off of the truck bed rails.

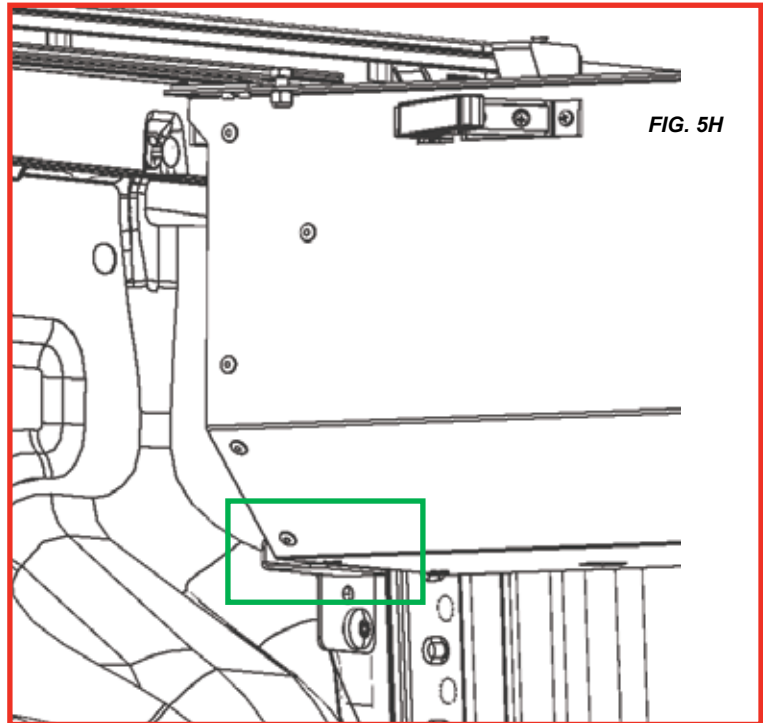


FIG. 5H

## STEP 5: INSTALLING THE TOP COVER

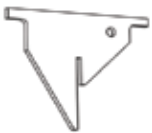
### HARDWARE USED:



**Black Top Cover  
Screw x2**



**6 Ft. of Foam**



**Installation  
Tool x1**

**REMOVE THE PROTECTANT WIPE THAT IS ADHERED TO THE UNDERSIDE OF THE TOPCOVER AND SET IT ASIDE FOR STEP 11.**

- Shut the tailgate and pull the rails back until the tailgate cap seals have good engagement with your tailgate. A good way to check for proper engagement is to make sure the bottom cap and tailgate have 1/4" gap (FIG 5A).

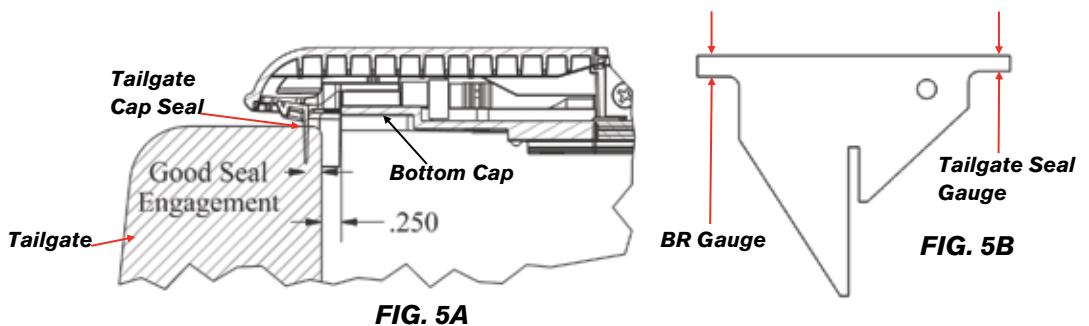


FIG. 5A

FIG. 5B

- Another way to set the tailgate cap seals is to use the Tailgate Seal Gauge as shown in figure 5B & 5C. You should be able to just slide the Tailgate Seal Gauge in between the Tailgate Cap Seal and the Bottom Cap.

**WARNING: Proper tailgate cap seal engagement is important for getting the best possible water resistance out of your cover!**



FIG. 5C



## STEP 5: INSTALLING THE TOP COVER CONTINUED

- Next, mark where the front of the rails sit and mark this position 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 scoot 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 screws provided, 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!**



FIG. 5D



FIG. 5E

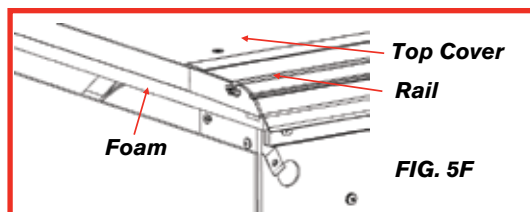


FIG. 5F

## STEP 6: INSTALLING THE BRACKET EXTENSIONS

Install the clamp extensions using the relief cuts on the rails, or by sliding them on from the tailgate end of each rail as pictured in Figure 7A-7B. Ensure that the tailgate end, middle, and cab end extensions are in the correct orientation as shown. There are 3 left and 3 right extensions. The end of the extension with the set screw should be facing the tailgate. Do not tighten the set screws at this time.

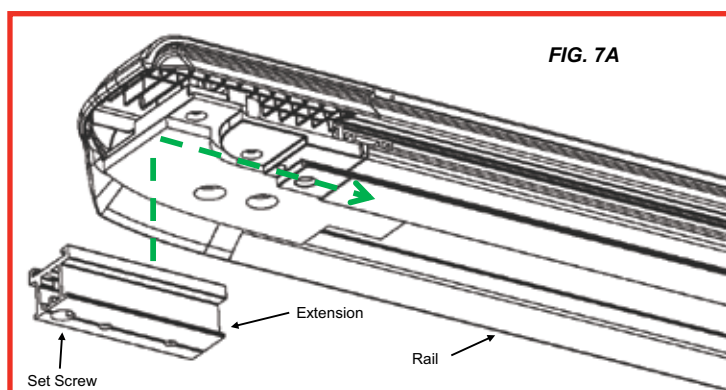


FIG. 7A

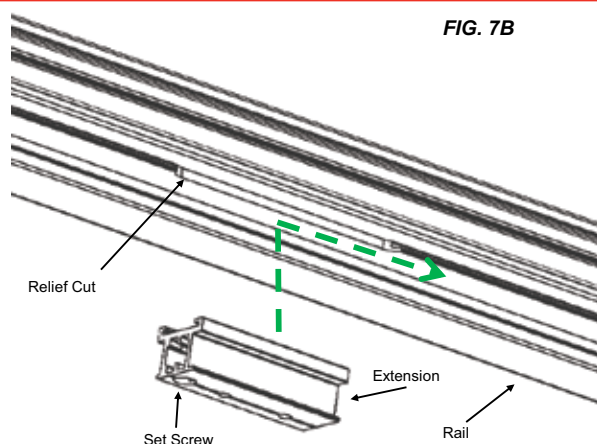


FIG. 7B

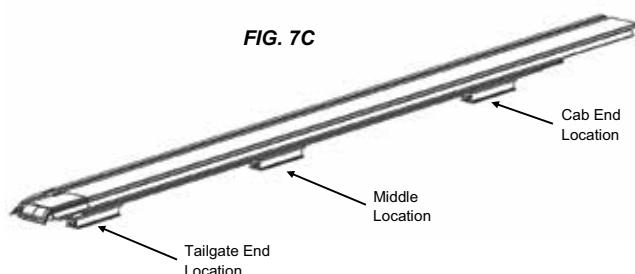
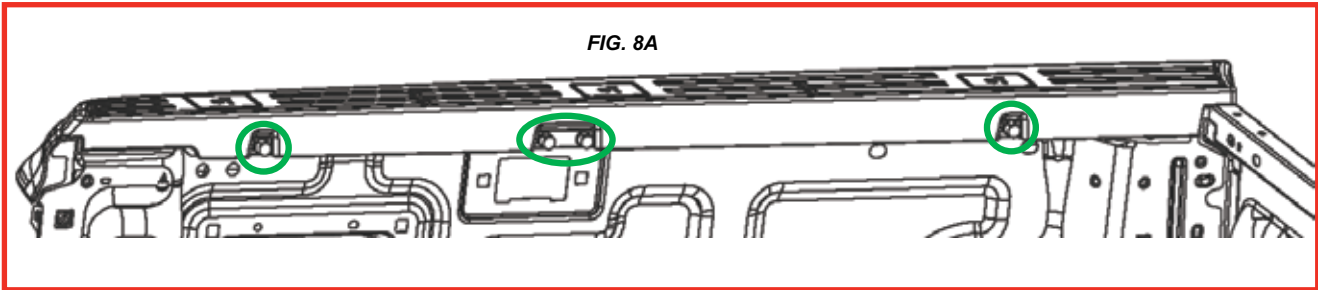


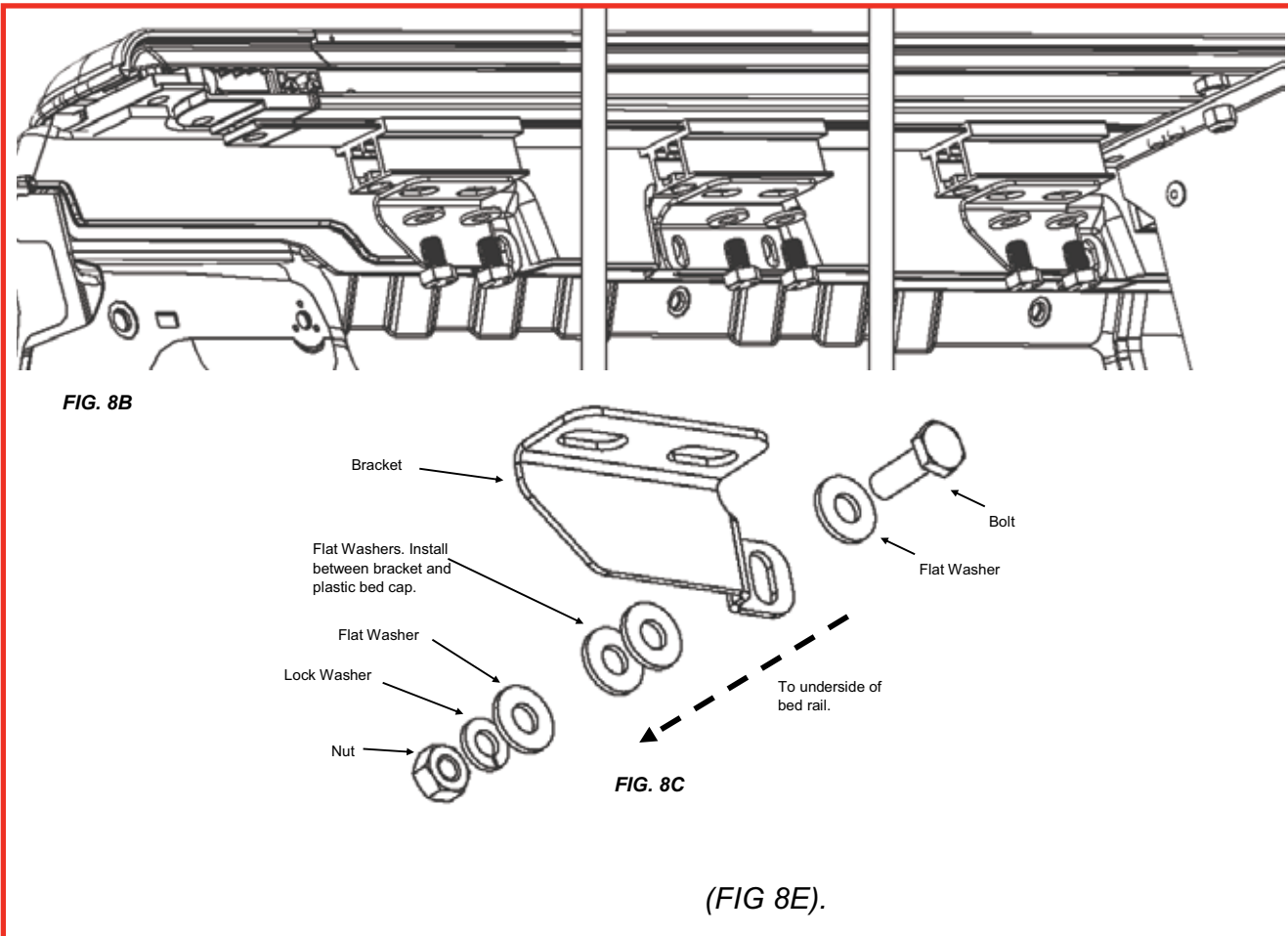
FIG. 7C

# STEP 7: INSTALLING THE RAIL BRACKETS

Remove the retaining pins holding the plastic rail caps to the inside of the bed rail at the cab, middle, and tailgate positions. There are 4 per side



Align the brackets as shown, with the vertical slots matching the clip locations in the indents on the bed rail cap. Slide the extension to align the tapped holes with the longitudinal slots on the bracket, and loosely install the 5/16 x 1/2" bolts and washers to hold the brackets onto the extensions. (FIG 8B) Place two flat washers in between the bracket and bed rail cap, then loosely install the 1/4 x 3/4" bolts, flat washers, lock washer, and nut. Do this for each of the 8 bolts holding the brackets to the bed rails. (FIG 8C) Refer back to STEP 6: INSTALLING THE TOP COVER to ensure the cover is correctly positioned in the bed. Tighten the extension set screws, the 5/16" bracket bolts, then while applying downward pressure to the rail, tighten the 1/4" bolts.



# STEP 8: INSTALLING THE RAIL BRACKETS CONTINUED

Check for proper rail spacing by measuring between the rails by attempting to insert the BR Gauge in between the rail metal and the handle stop (FIG 8E). You can also check the between the rail measurement at the canister and the tailgate end of the rails. The measurements should be equal to or less than those in Figure 8F. Another way to ensure proper 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 falling out of the rails. If the BR dimension is incorrect, washers can be added or removed from between the bracket and plastic rail cap. Extra washers are supplied in the clamp kit.



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

PART NUMBER	BETWEEN RAILS (BR)
KE2189	51 13/16

FIG. 8F

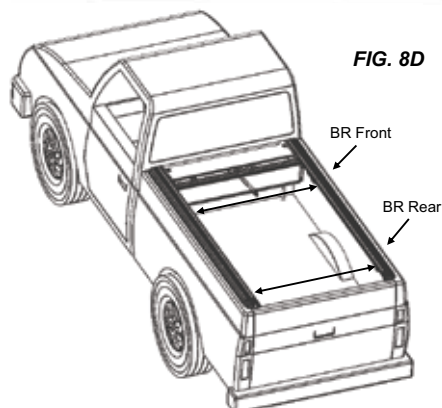


FIG. 8D

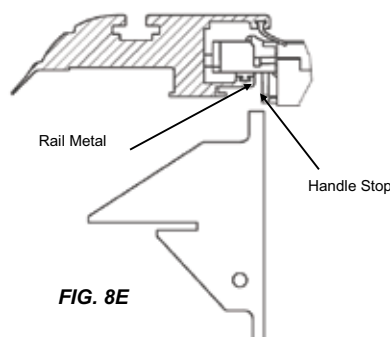


FIG. 8E

# STEP 9: INSTALLING TAILGATE DRAIN TUBES

Place two Loop Clips over each tailgate drain tube. Remove the screws holding the taillights to the bed. Thread the Drain Tube onto the drain fitting, and slide it onto the Tailgate Cap. Route the Drain Tubes as shown in Figure 9B. Place the screws through the holes in the Loop Clips, and tighten them in their original location to secure the Drain Tubes. Trim any excess length off of the Drain Tubes, if necessary.

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

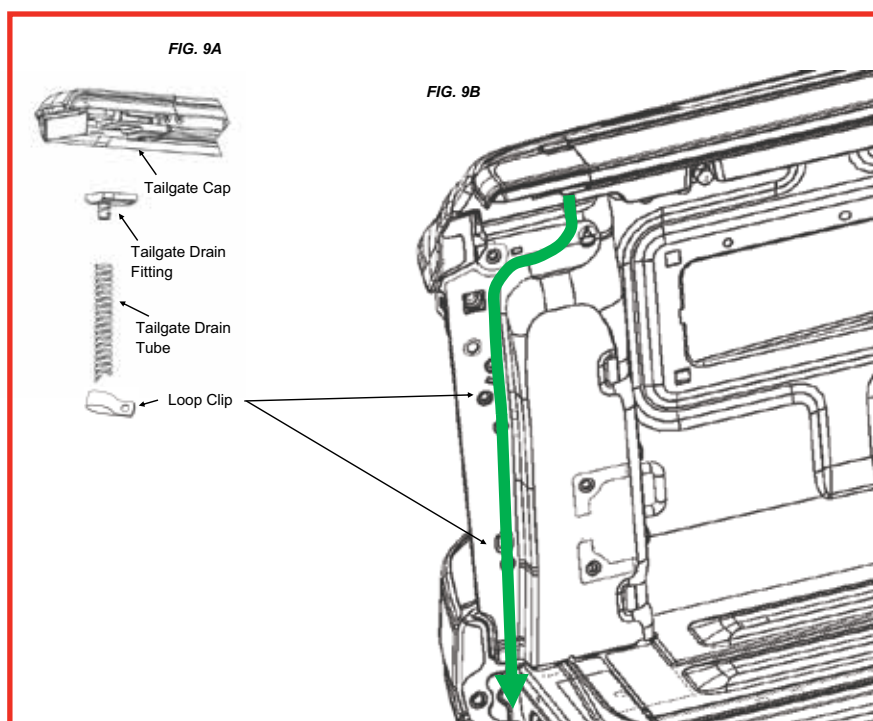


FIG. 9A

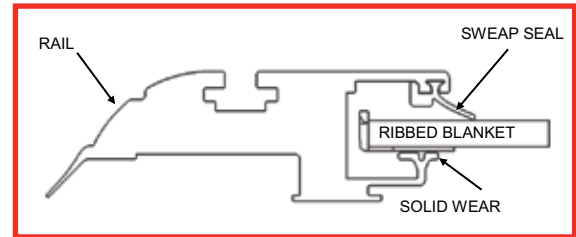
FIG. 9B

## STEP 10: LUBRICATING & PLACING THE SWEEP SEALS

Locate the sweep seals (rubber weather strips) on the rails. Open the provided 303 brand protectant sponge pack that you removed from the Topcover in step 5 (find it adhered to the underside of the top cover). Wipe the underside of the sweep seal and the top of the wear strip.

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 rolled in toward the bed rail). (Fig. 10A)

Proper care and placement of the sweep seal will ensure the smooth operation of the cover. Alcohol, petroleum based or silicon-based UV Protectants such as Armor-All® should be avoided and ARE NOT recommended for our covers.



## STEP 11: CONNECTING THE ELECTRONICS

### HARDWARE USED:



2-Button Remote  
Key Fob x2

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.

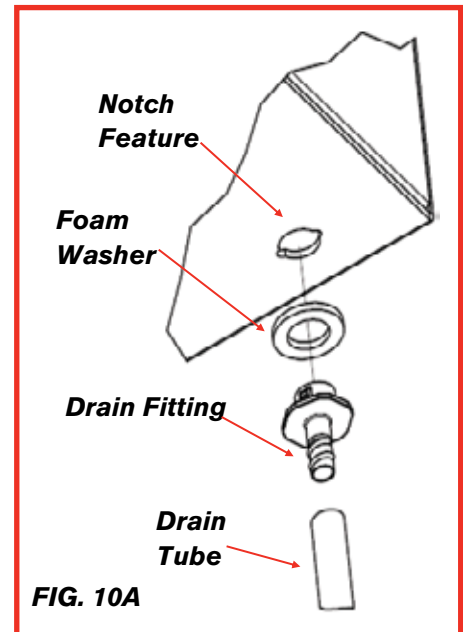


FIG. 10A

# 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:

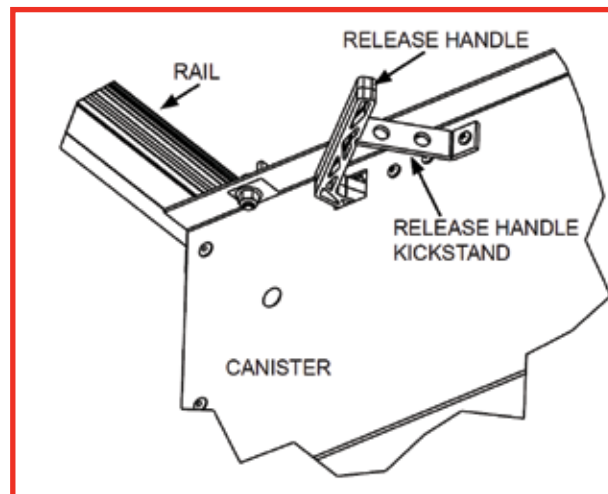
You will need to gain access to the release handle located on the driver side of the canister at the front of the truck bed. Once you have access to it, Pull the handle out away from the canister and pull out the handle kickstand behind it.

Settle the kickstand into the notch on the handle to hold the handle in place.

Now you should be able to push or pull the paneled blanket manually open or closed.

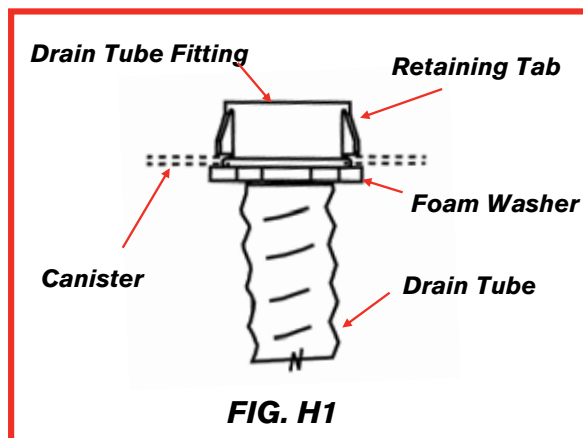
**NOTE: The blanket will not lock unless you disengage the kickstand and lower the release handle. With the handle released the cover will move a short distance and the cover will then lock itself in place. (Cover may not lock tightly against tailgate) This process will allow you to use the cover until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

## Drain Plugs



# 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 over time 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. H1)
- Re-tighten your clamp bolts quarterly with a 7/16" torque wrench to 70 in-lb (5.9 ft-lb.). For excessive driving or extreme conditions (on rough roads, during high winds, following an emergency stop or evasive maneuvers) you may need to re-tighten more frequently.
- 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.





# STEP 15: COVER RELEASE 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 then 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 cover manually open or closed.

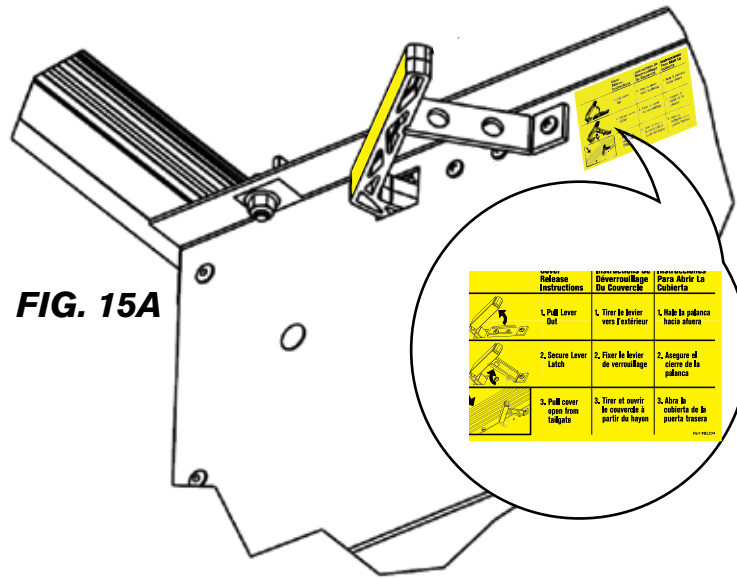


FIG. 15A

**NOTE:** The cover 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.

## 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 cover 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 cover into the canister or you will damage the rib caps on the edges of the cover.)**

**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

**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 responsibility 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 \_\_\_\_\_