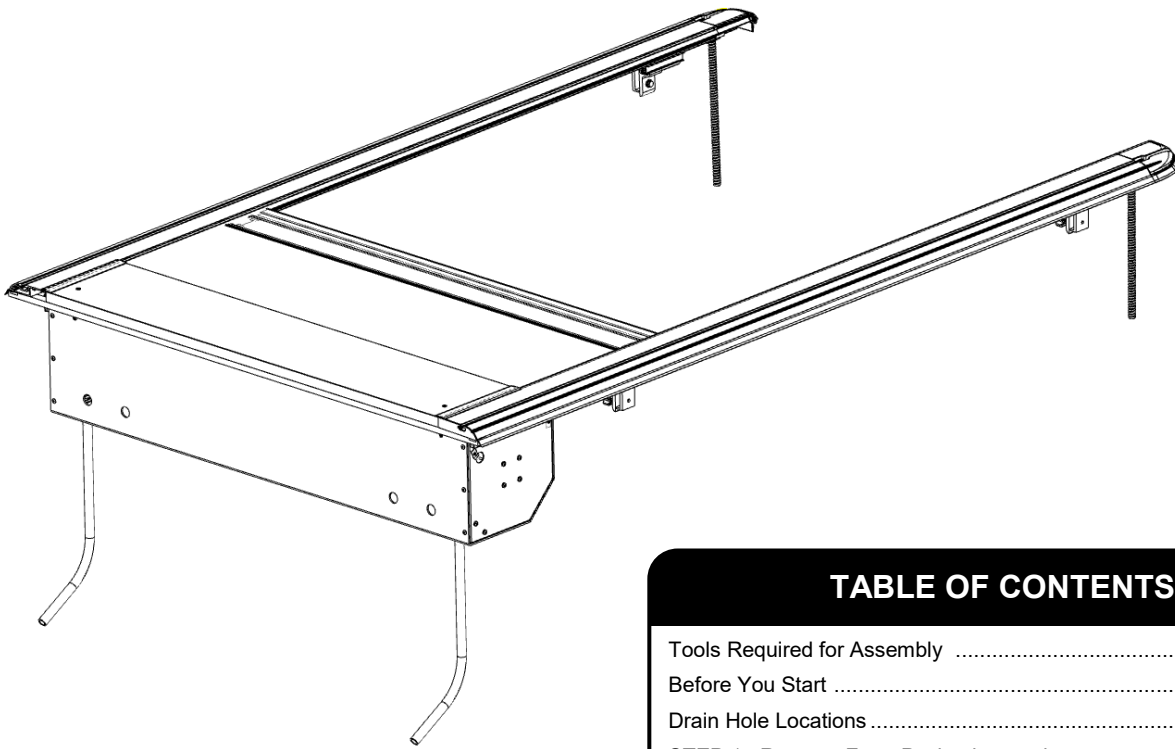


# UltraGroove™ and UltraGroove™ Metal

Retractable Tonneau Covers

## INSTALLATION INSTRUCTIONS DODGE RAM



**(800) 338-3697**

**[www.paceedwards.com](http://www.paceedwards.com)**

Pace Edwards Company

2400 Commercial Blvd.

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## TOOLS REQUIRED FOR ASSEMBLY

Tape Measure

Side Cut or Needle Nose Pliers

Masking tape

7/16" Nut Driver

#2 Phillips Screwdriver

Utility Knife

5/32 Allen Wrench

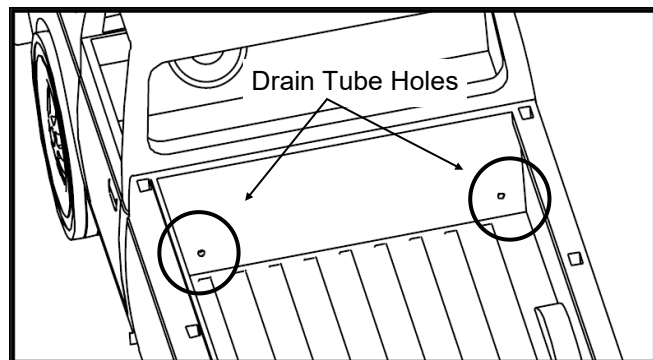
Note: There should be no drilling into the truck body needed on most standard or full-size trucks.

## 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.

## CANISTER DRAIN HOLE LOCATIONS:

This tonneau cover is designed to carry rainwater from the cover into the canister and then out through the drains. Most truck models have standard OE drain holes or plastic/rubber access ports in the front of the truck bed. Check to make sure your truck has the OE drain holes so that drilling into the sheet metal is not required. If drilling is necessary, be sure to check the underside of the truck bed for the best location. The holes should be located near the side and as far forward as possible. Use a drill bit suitable for sheet metal (such as a taper drill or step drill). Drill drain tube clearance holes at 3/4" (19mm). This will need to be done before installing the cover.



## STEP 1: REMOVE FROM PACKAGING AND REVIEW CONTENTS

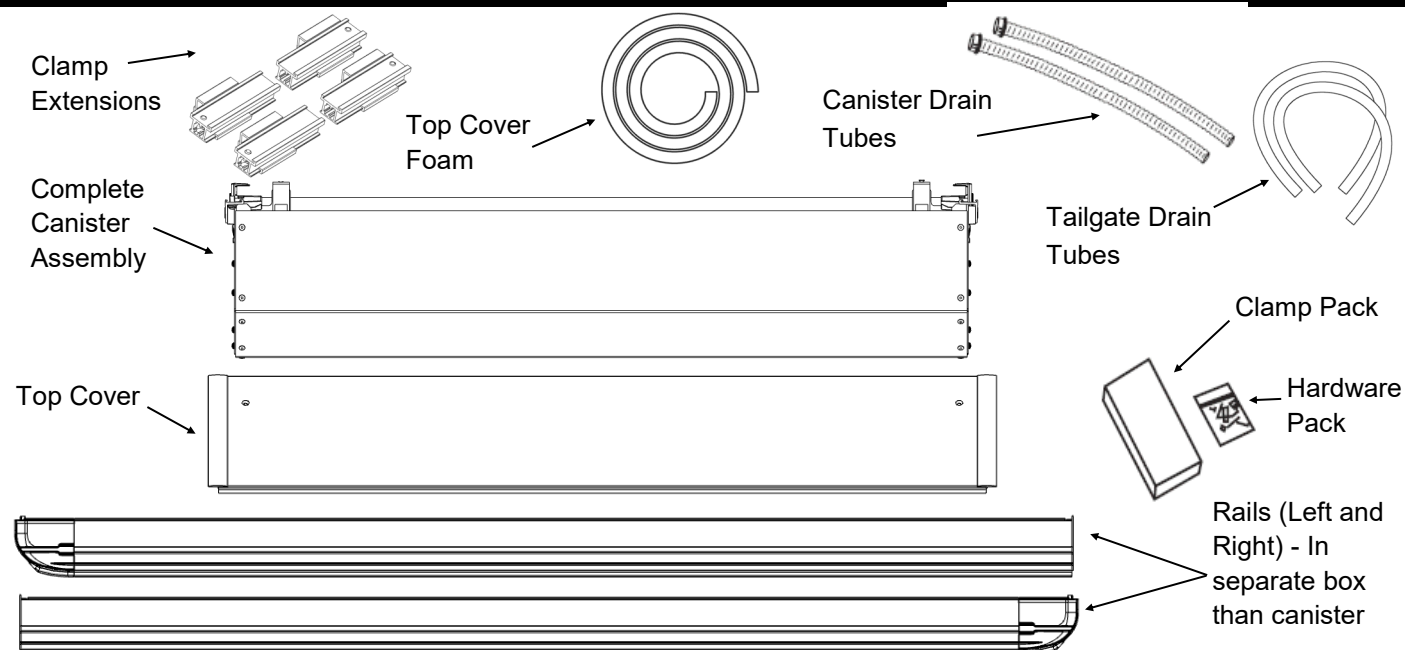
A complete unit will consist of one canister box (marked box 1 of 2) and one rail box (marked box 2 of 2). Remove the Top Cover, Canister, Clamp pack, Hardware pack, Foam, Clamp Extensions and Drain Tubes from the Canister box. Remove the rails from the rail box (see caution below). Perform a quick inventory of the packaging contents to ensure all parts are there.

**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 OPEN.

**CAUTION!**

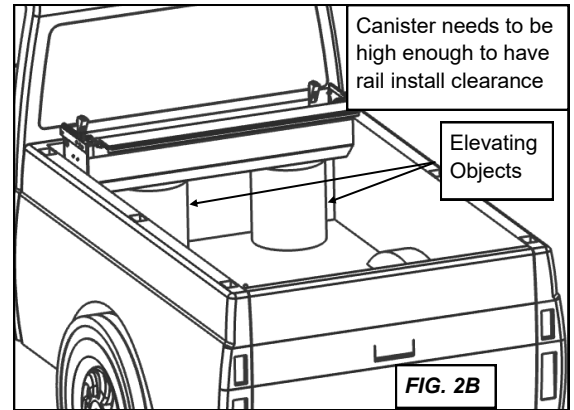
## PACKAGING CONTENTS:



## STEP 2: POSITIONING CANISTER

Use the Pull Strap and the canister body to lift and steady the unit. Wrap the Pull Strap around the center of the canister a couple times and double it up in your hand. (If you have someone to help you, you can jump to step 3 and install the assembled canister and rails on the truck)

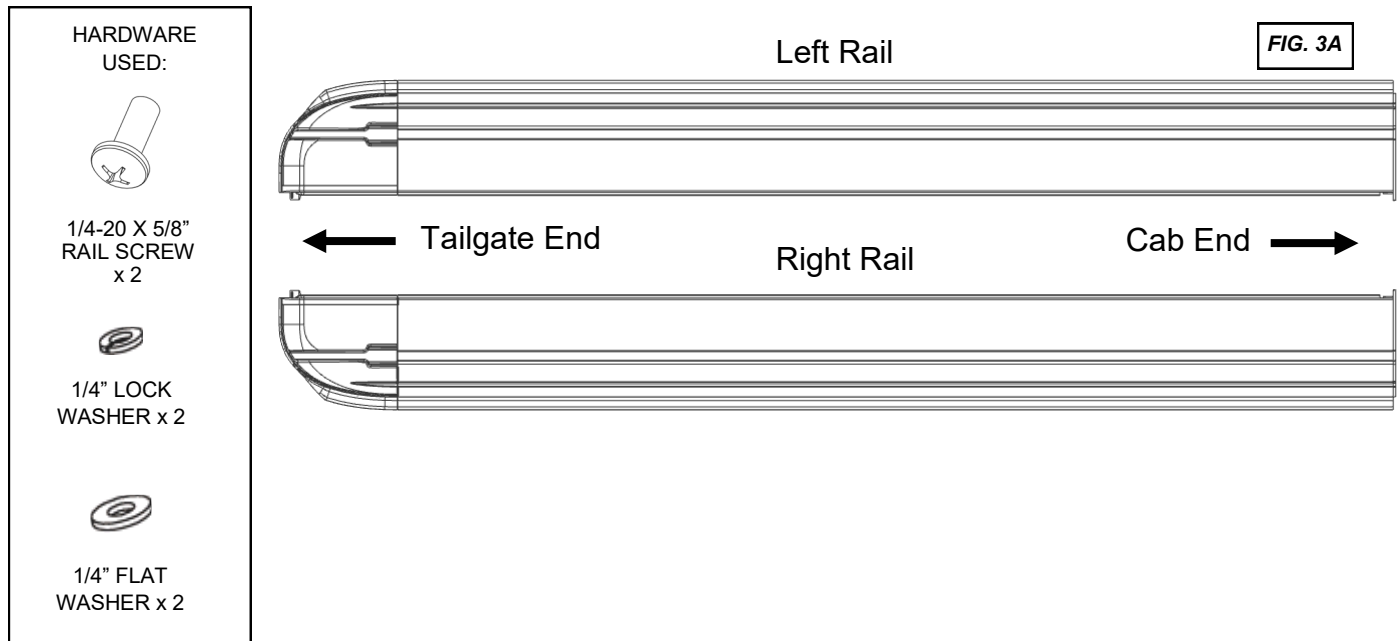
Place the Canister in truck bed just behind the cab and center it from side to side. You will need to place the canister on elevating objects, such as the box the canister came in or 5 gallon buckets. **Note:** Ensuring that the canister is centered in the bed will help assemble the rails to canister in the next step.



## STEP 3: INSTALLING RAILS

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 3A). The rail flange and foam towards the outside of the truck bed.

**WARNING:** IF YOU HAVE AN '02-'08 DODGE PICK-UP, PROCEED TO STEP 8 BEFORE CONTINUING.



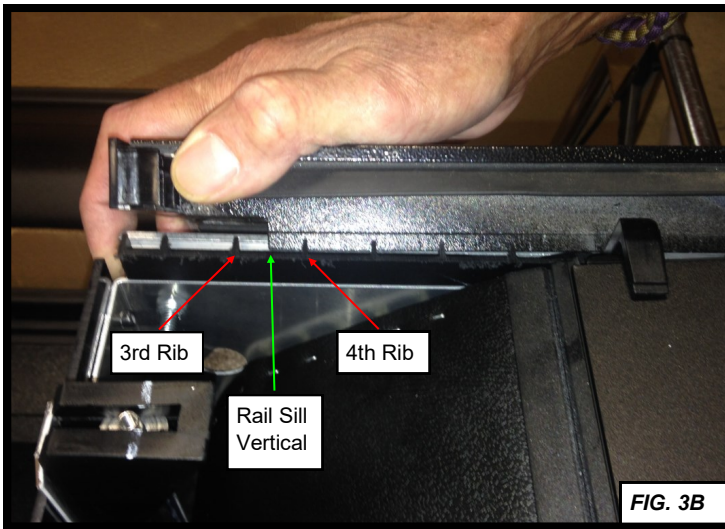


FIG. 3B

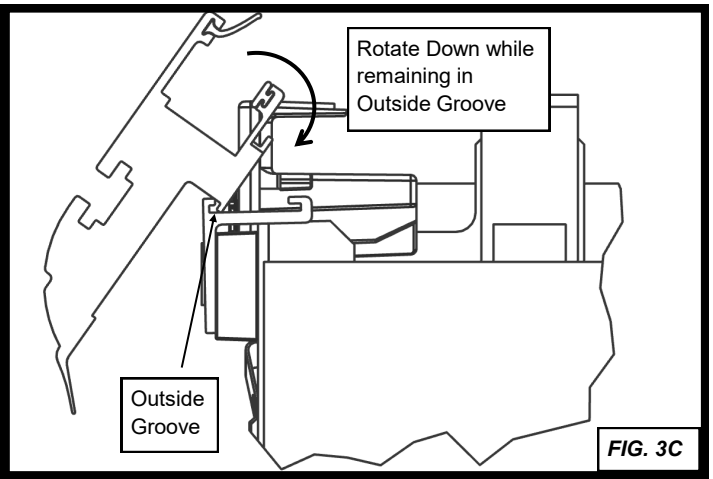


FIG. 3C

First make sure your handle latches are in, this makes the rail install much easier (FIG 3F).

**WARNING: IF YOU DO NOT HAVE THE LATCHES IN, THE HANDLE WILL CATCH THE RAIL AS YOU ATTEMPT TO SLIDE IT IN.**

Next line up the Rail sill vertical between the 3rd and 4th Rib of the Rail Guide Spacer (FIG 3B). Then hook the Outside Groove of the rail into the Rail Guide and rotate down until the rail and rail guide are level (FIG 3C & 3D). Now push the rail all the way forward (FIG 3E). Finally you can install the Rail Screw, Flat and Lock Washer securing the rail to the canister (FIG 3G).

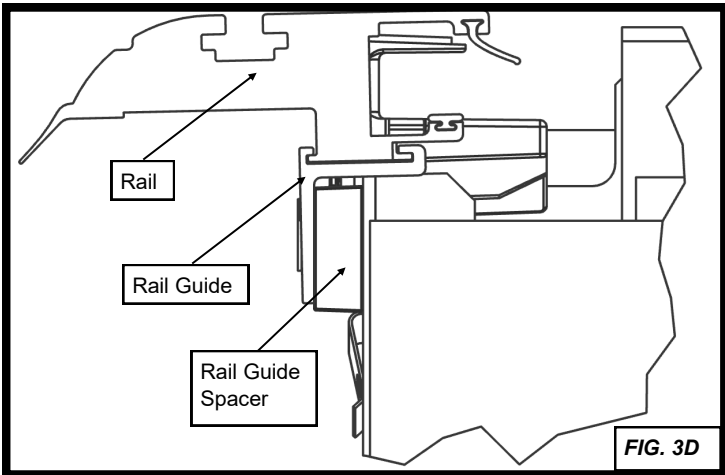


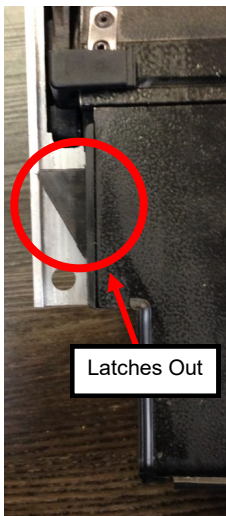
FIG. 3D



FIG. 3E

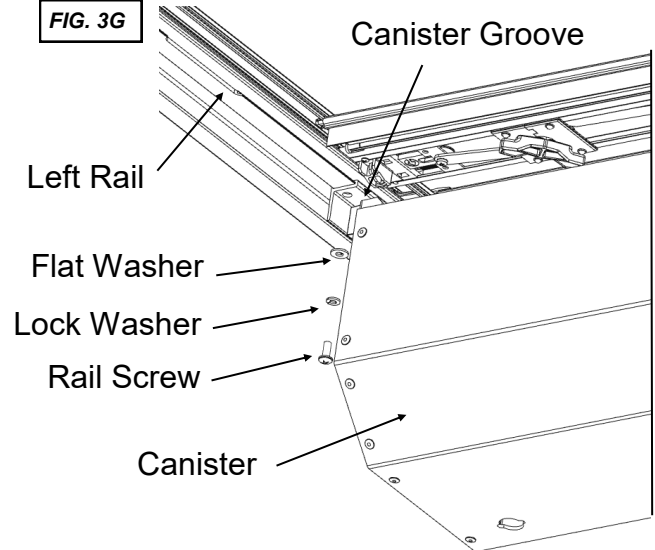


FIG. 3F



Installing the rails is easier with the handle latches in. For information on handle operation reference the operating instructions on page 9.

FIG. 3G

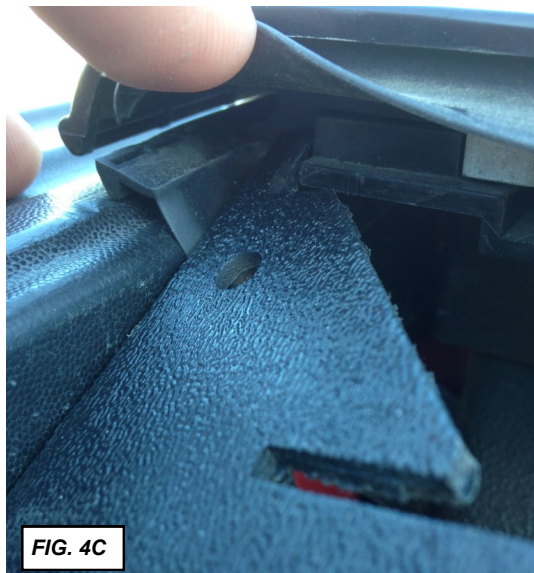
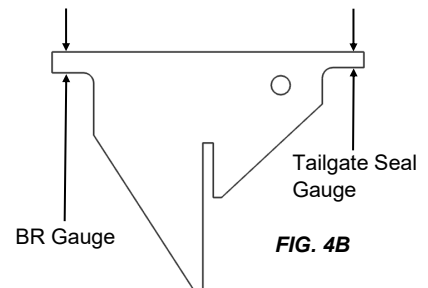
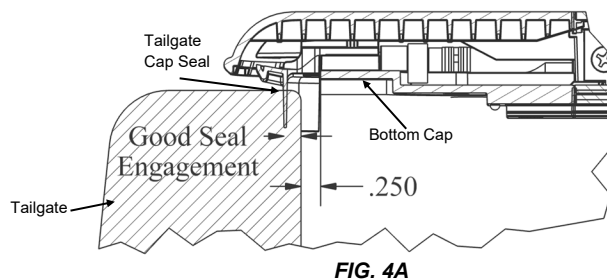


The Rail shown is for REFERENCE and may not exactly match your particular Rail geometry.

## STEP 4: INSTALLING THE TOP COVER



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 4A).



Another way to set the tailgate cap seals is to use the Tailgate Seal Gauge as shown in figure 4B & 4C. 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!**

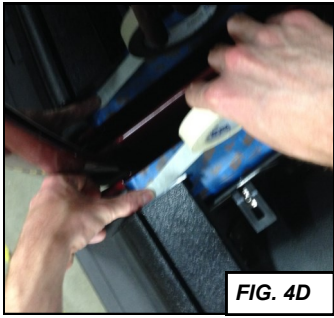


FIG. 4E

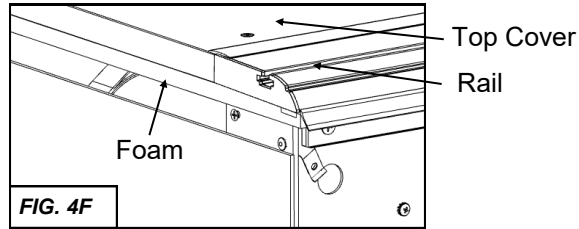


FIG. 4F

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 4D). 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 4E).

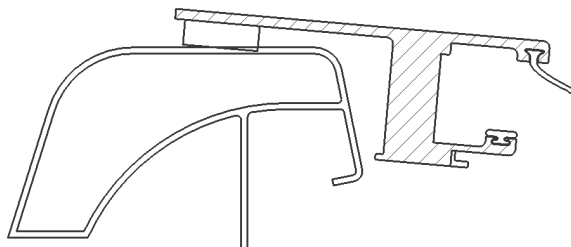
Now scoot the rails and canister back on the foam and double check that your tailgate seal engagement is good. You can now install your top cover with the two included screws while making sure it aligns with the front of your rails (FIG 4F).

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

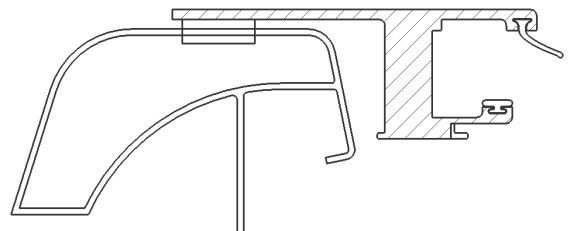
Once you have the position of the rails set from step 4, check to see if you are happy with the level of the rails at the cab end (FIG. 5A). If you are happy with the level of the rails you can move on to the next step. If the rails are tipped down, mark where the front of the rails sit on the truck with masking tape (this will save your cover location). Then open the tailgate and slide the canister and rails back a few inches.

There are 2 x 1/16" white shims and 2 x 1/8" black shims in your comp kit. Add shims to bulkhead of the canister (FIG. 5B) until you reach your preferred rail angle. When you are satisfied with your shim selection you can slide the rails to your masking tape mark, remove the tape, and move on to the next step.

FIG. 5A



Tilted



Level

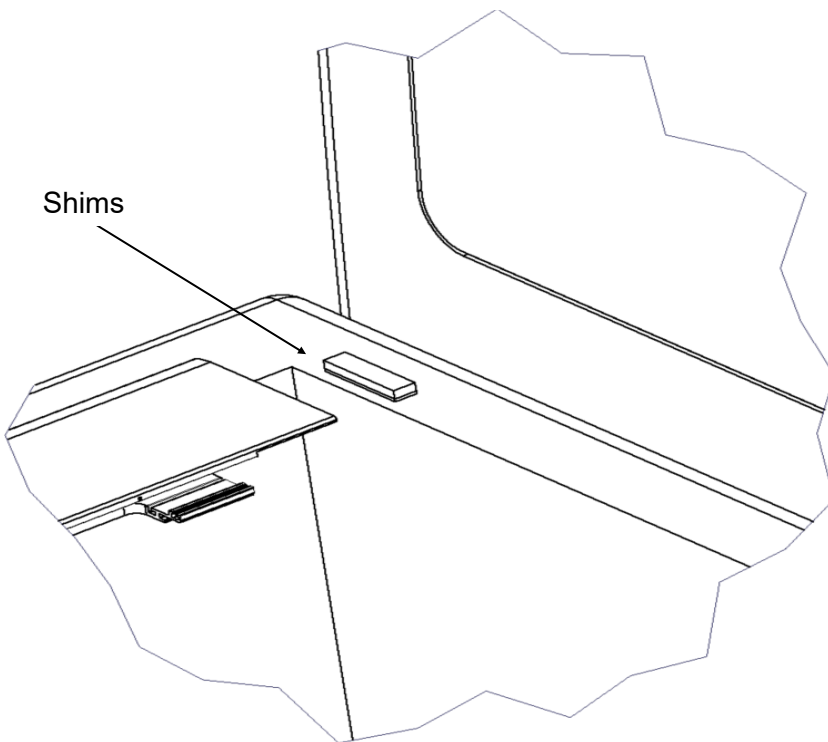


FIG. 5B

## STEP 6: INSTALLING THE CLAMP EXTENSIONS

Slide the clamp extensions on the tailgate and cab end of each rail as pictured in Figure 6A-6F. 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 extension 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.

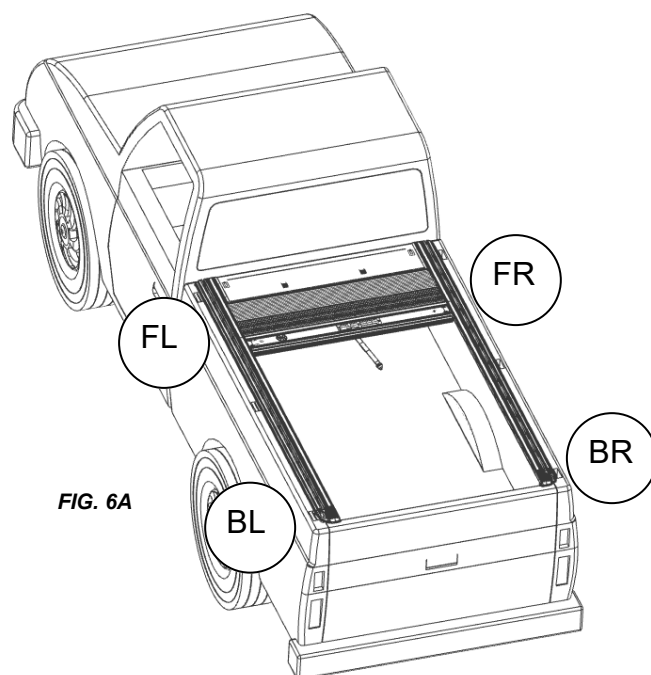


FIG. 6A

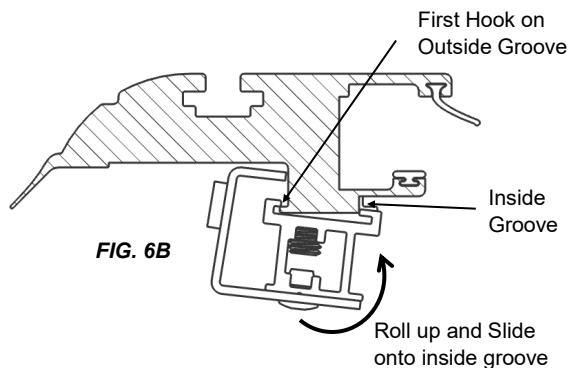


FIG. 6B

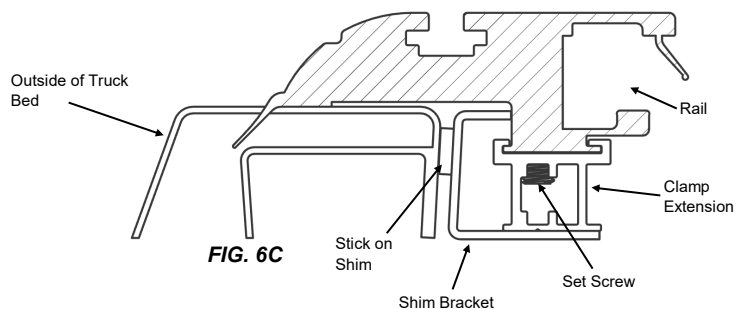
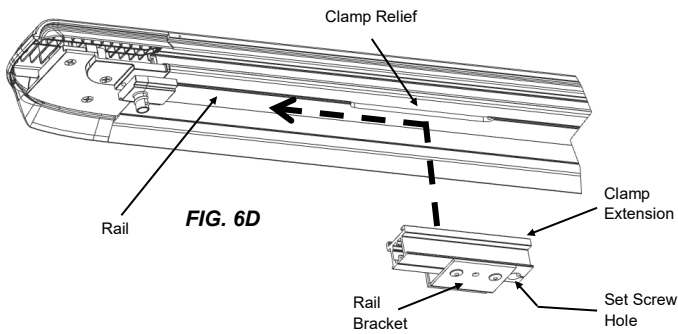
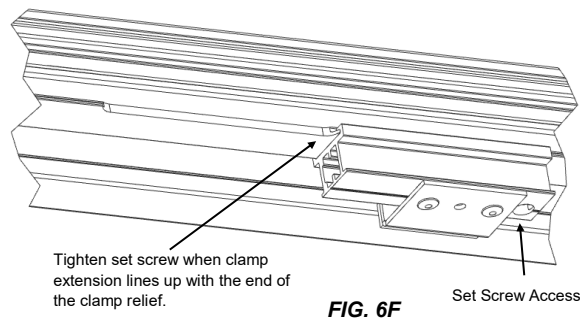
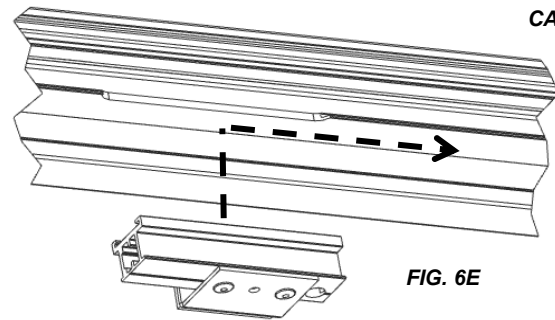


FIG. 6C

## TAILGATE END



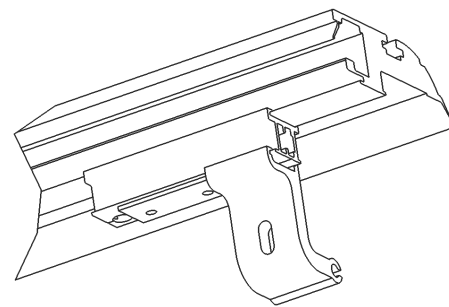
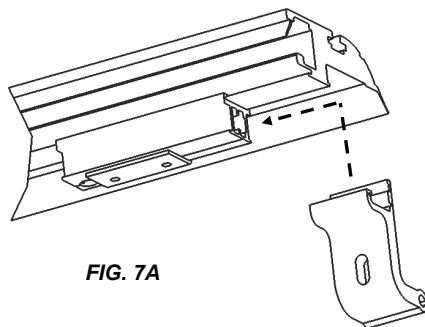
## CAB END



## STEP 7: INSTALLING THE CLAMPS

Slide the Clamp Grip onto the Clamp Extension toward the Shim Bracket and (Fig 7A and 7B). Then assemble the rest of the clamp parts as shown below (Fig 7D & 7E). Slide the Pivot Arm in from the canister side to avoid any interferences. Be sure to use the long clamp grip at the canister end (FIG 7D) of the rails and the short clamp grip at the tailgate end (FIG 7E).

Now tighten your clamp turn knobs hand tight. Finally, check for proper spacing by measuring between the rails by attempting to insert the BR Gauge in between the rail metal and the handle stop (Fig 7F). 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 7C. The Clamp Extensions have been pre-installed with brackets and shims to achieve the proper Between the Rail dimension (BR) when placed on an average factory truck bed. However, not all truck beds are average dimensionally and some have optional plastic caps or over the rail spray-in liners.





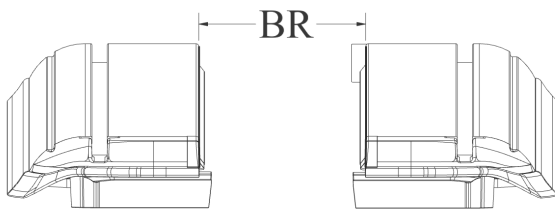
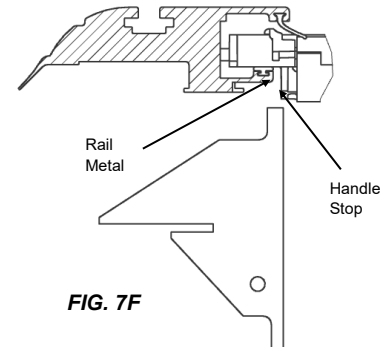
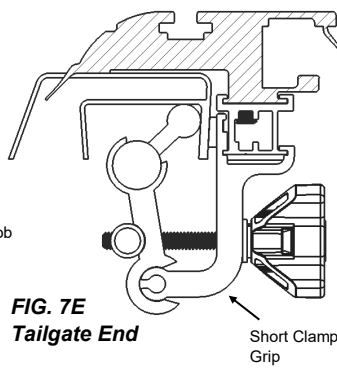
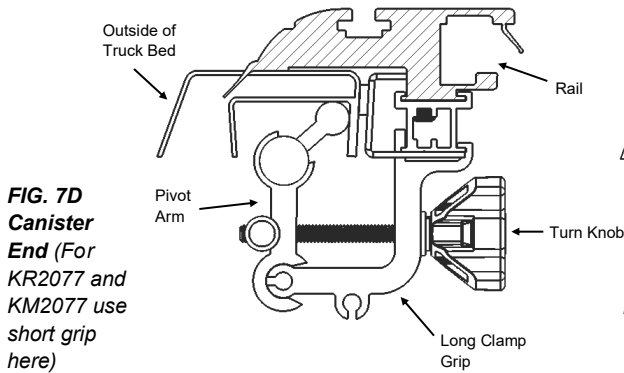


FIG. 7C

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

PART NUMBER	BETWEEN RAILS (BR)
KR and KM2022	59 1/16
KR and KM2023	59 1/16
KR and KM2077	58 3/16
KR and KM2078	58 13/16
KR and KM2079	58 13/16

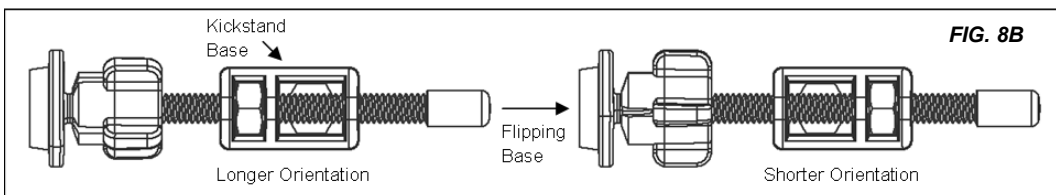
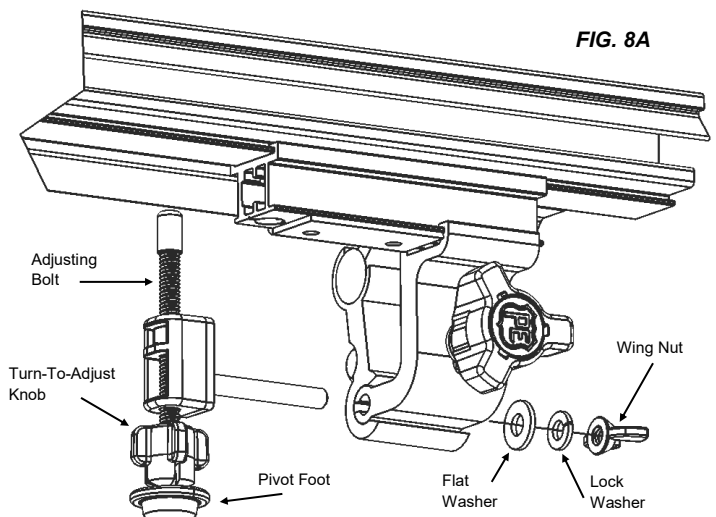


Another way to ensure proper fit is to check the side to side play of the handle assembly at the canister and at the tailgate end of the rails. There should be, at the minimum, enough play to allow the cover to move freely with no drag and at a maximum 1/8 inch per side. More than 1/8 inch per side may result in the cover 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 5C for “Stick on Shims” if adjustment is needed.**

## STEP 8: INSTALLING KICKSTANDS

Install the kickstands at the tailgate ends of the rails. Loosely fasten the kickstand assembly to the clamp grip, on the side of the grip where the pivot foot will land on the flattest section of bed wall. Rotate the assembly so that it will push as squarely as possible on the bed wall, then tighten the wing nut. 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).

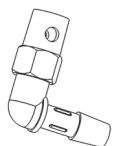
Run the adjusting bolt inward toward the bed wall, putting some pressure on the foot, then continue running the bolt inward using the knob until the rail is visually level. The adjusting bolt can be removed and the base flipped 180 degrees to adjust for varying clearance with the bed wall (FIG. 8B). Verify the BR dimension after the rails are leveled.



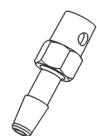
## STEP 9: INSTALLING TAILGATE DRAINTUBES



TAILGATE DRAIN  
TUBES X 2



90° DRAIN  
FITTINGS X 2  
'02-'08



STRAIGHT DRAIN  
FITTINGS X 2  
'09 and later

FIG. 9A

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

Screw the drain tube fitting into the Tailgate cap. Tighten to snug, overtightening may strip the threads.

For Dodge '09 and later models, the best way to do this is using a 7/16 nut driver as shown in Figure 9D.

For Dodge '02-'08, the 90° drain fitting can be threaded by hand. **(MUST BE INSTALLED PRIOR TO INSTALLING RAIL OR YOU WON'T BE ABLE TO ROTATE THE FITTING)**

Next slide the Tailgate Drain Tube onto the Tailgate Drain Fitting (FIG 9B or 9C). Finally 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 (5/8" or 16mm). Make sure to check first for wires you could damage.

**WARNING: Proper Tailgate Drain Tube installation is important for getting the best possible water resistance out of your cover!**

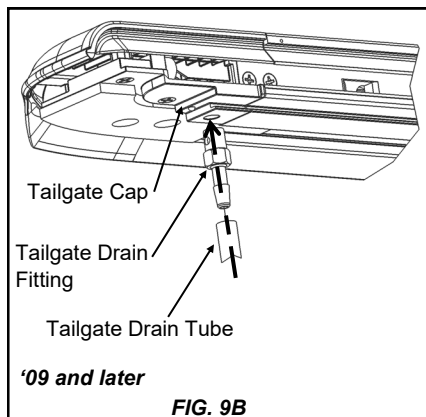


FIG. 9B

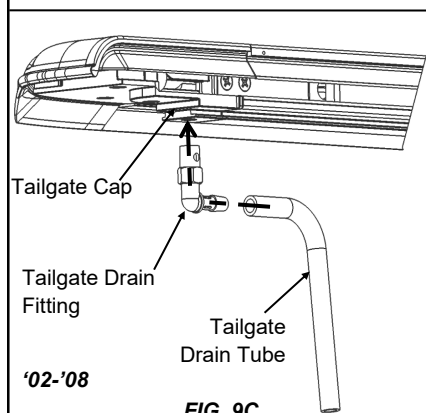


FIG. 9C

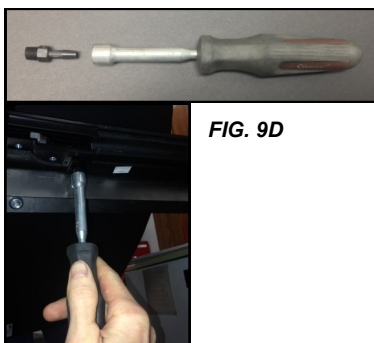


FIG. 9D

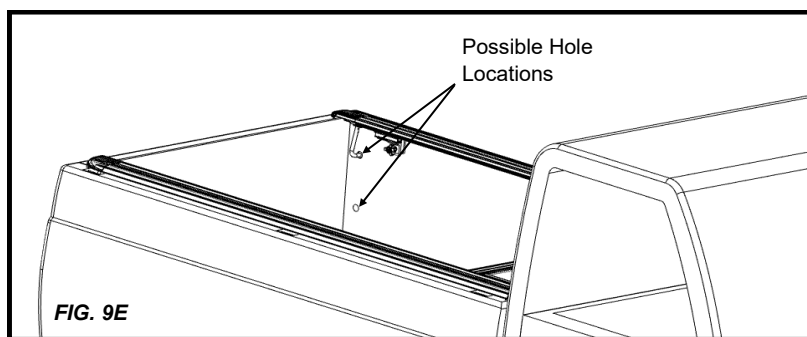


FIG. 9E

## 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.

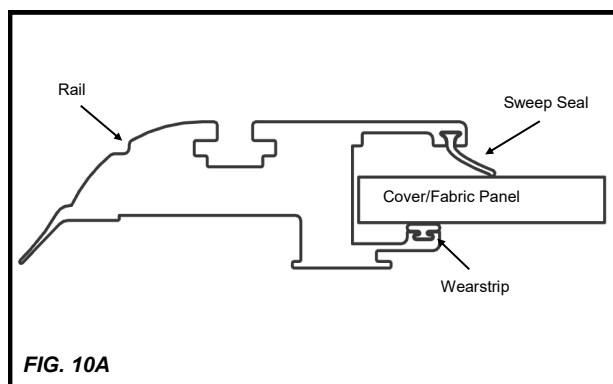


FIG. 10A

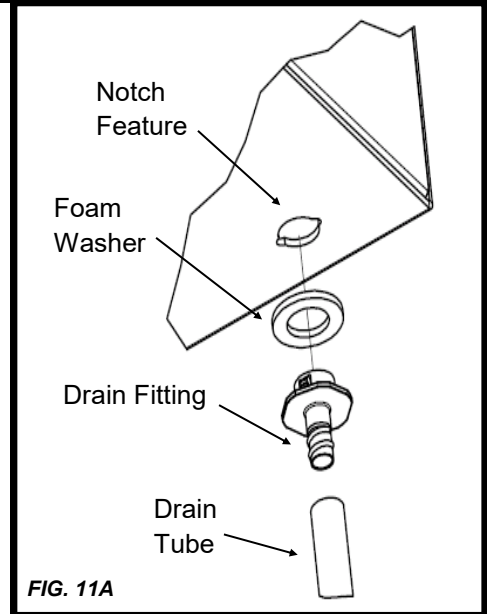
## STEP 11: INSTALLING CANISTER DRAIN TUBES

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.

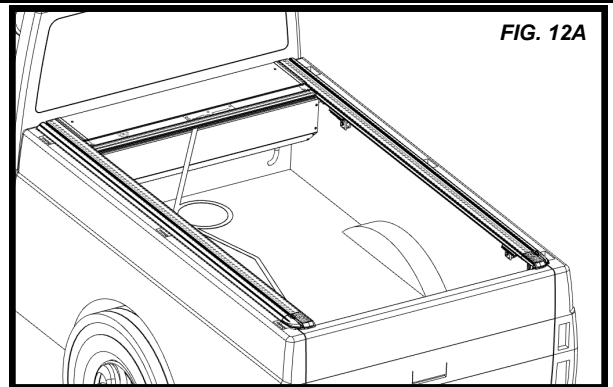
To remove the drain tubes reach under the canister, grab the drain tube fitting and turn it while applying light downward pressure. When the retaining tabs align with notches in the bottom of the canister the Drain Tube and Fitting will drop out.



## STEP 12: ATTACH THE PULL STRAP

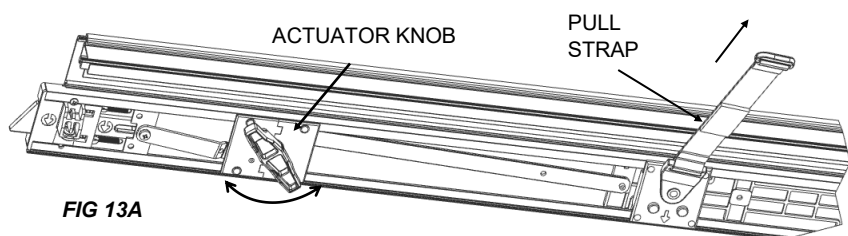


Retract the cover the fully open position. Attach the 4" Velcro strip onto the Velcro strip already attached to the pull strap. Pull the pull strap over to the driver's side rail and remove the tape from the 4" Velcro strip. Then apply the Velcro strip onto the underside of the rail at your desired position. This will hold the pull strap off of the floor and out of the way when cargo is being stored in the truck bed.



## OPERATING INSTRUCTIONS

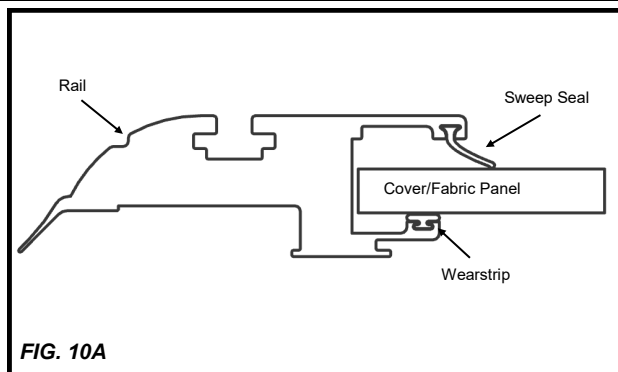
1. To open the cover, turn the actuator knob clockwise 90° until it clicks in the open position. This retracts the latches into the handle and the cover is free to roll open into the canister. A tug on the pull strap will release the latch and allow the cover to lock into the rails.
2. To latch the cover in one of the mid-range positions, pull it back just beyond the position desired and allow the cover to retract until it latches into place. Latching positions are located every 12 inches along the rails. The clicking sound is the spring-loaded latches mounted inside the handle. The latches are designed to bypass the latching positions as the cover is being closed and to stop the cover as it is being retracted.
3. To close the cover, pull on the strap to draw it back toward the tailgate. When it is within easy reach, grasp the handle by the hand grip and pull the cover to the latching position against the tailgate.



## MAINTENANCE

To help keep your Ultragroove Series tonneau cover looking its best, we recommend washing it the same as caring for your truck finish. However, you should not wax your cover. Using a citrus-based vinyl cleaner and UV Protectant will keep your cover looking like new.

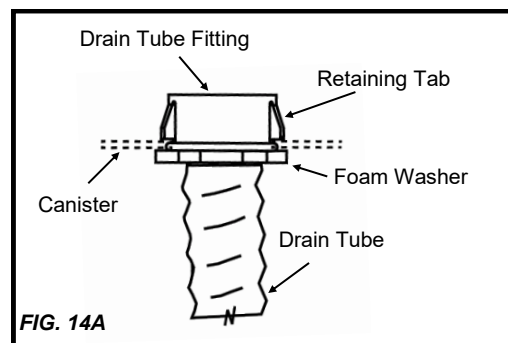
To assure quiet, smooth operation, periodically apply a generous amount of UV Protectant to a rag and wipe out the inside of the rails, the underside of the sweep seals, and the top of the wear strips. Repeat as needed until these components are cleaned of debris and well lubricated.



Ensure proper placement of the sweep seal as shown in step 10. Re-apply protectant/lubricant if the cover begins squeaking or sticking during use. (FIG. 10A)

**Alcohol, petroleum or silicon-based cleaners such as should be avoided and ARE NOT recommended for our covers.**

It is important to open and close the cover regularly; the spring that operates the cover is self-lubricated and regular use assures that it stays in proper working condition.



Periodically remove the Top Cover and clean out the inside of 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. 9A and FIG. 14A)

**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 \_\_\_\_\_