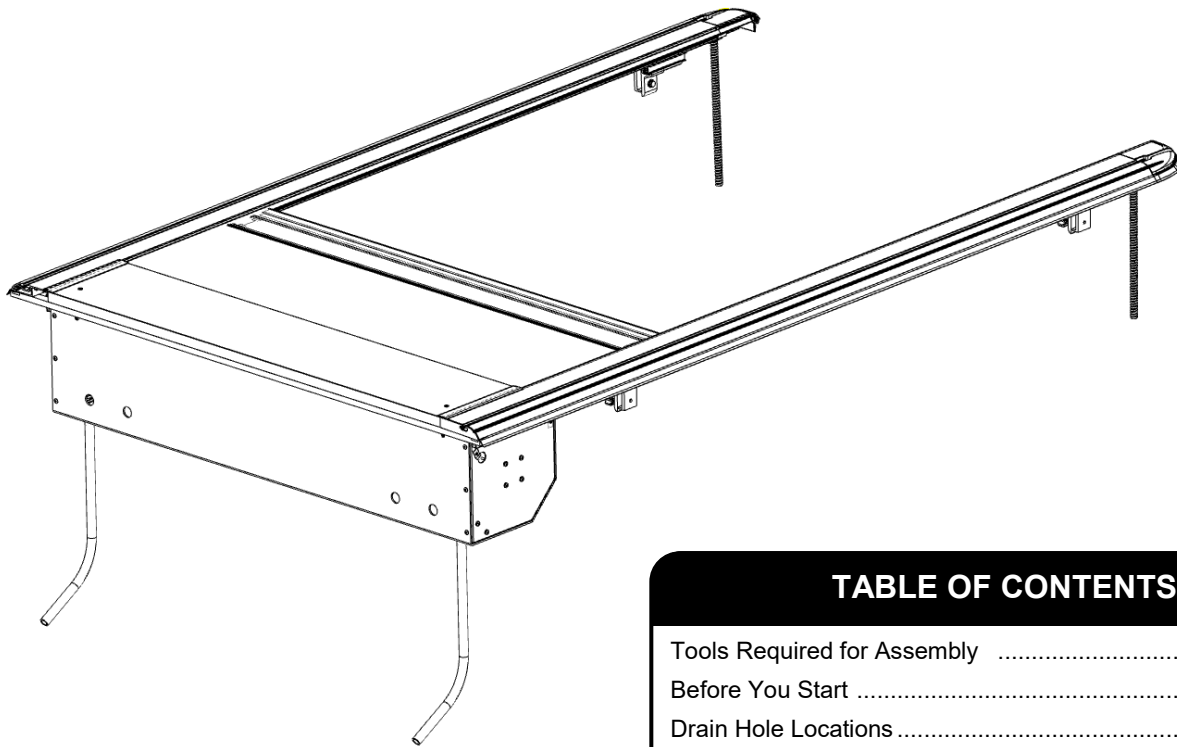


UltraGroove™ and UltraGroove™ Metal

Retractable Tonneau Covers

INSTALLATION INSTRUCTIONS FORD F150 / MAVERICK



(800) 338-3697

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KRF8-2302

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TOOLS REQUIRED FOR ASSEMBLY

- Tape Measure
- 3/8" Wrench
- Utility Knife
- Side Cut or Needle Nose Pliers
- Masking tape
- #2 Phillips Screwdriver
- 5/32 Allen Wrench

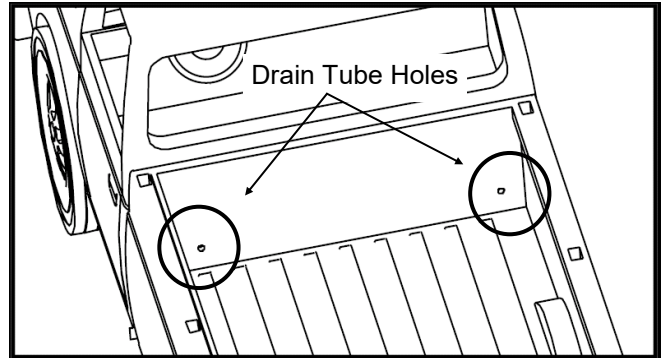
Note: There should be no drilling into the truck body needed on most standard or full-size trucks.

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.

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

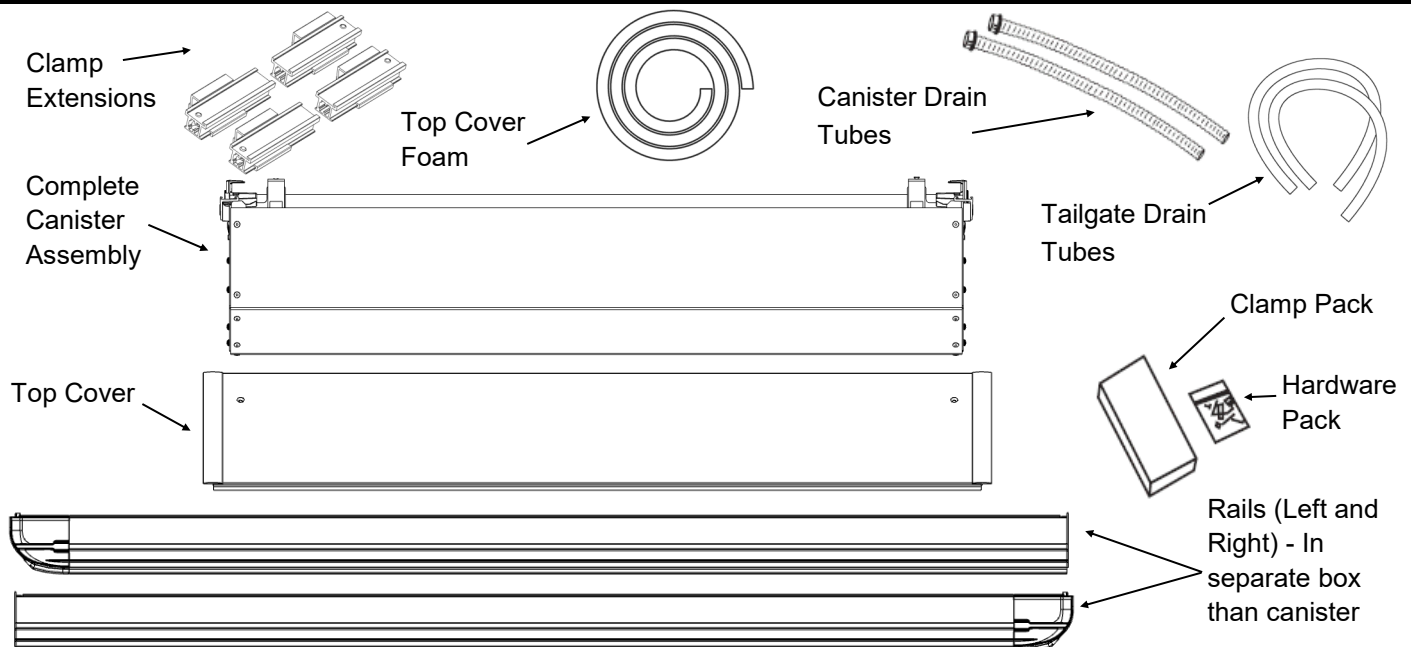
A complete unit will consist of one canister box (marked box 1 of 2) and one rail box (marked box 2 of 2). Remove the Top Cover, Canister, Clamp pack, Hardware pack, Foam, Clamp Extensions and Drain Tubes from the Canister box. Remove the rails from the rail box (see caution below). Perform a quick inventory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

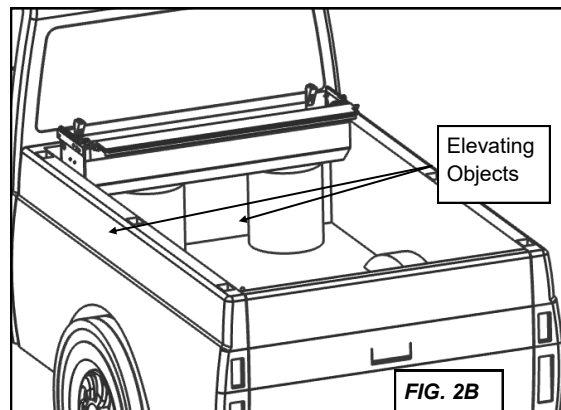


STEP 2: POSITIONING CANISTER

If installing the product on your own, place the canister in the truck bed just behind the cab and center it from side to side. To lift the can, wrap the pull strap around the can a couple of times and double it up in your hand (FIG. 2A).

You will need to place the canister on elevating objects, such as the box the canister came in, or 5 gallon buckets. The objects must clear the truck bed by 2-3" (FIG. 2B).

If you have another person to help, you can jump to step 3 and install the rails outside of the truck bed.



STEP 3: INSTALLING THE RAILS

HARDWARE USED:



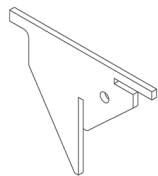
1/4-20 x 3/4" RAIL
SCREW x2



1/4" LOCK WASHER x2



1/4" FLAT WASHER



INSTALLATION
TOOL x 1

Identify the left and right side rails, the end with the plastic cap will be facing the tailgate.

REMOVE THE PROTECTIVE PAPER ON UNDERSIDE OF RAILS. THIS IS FOR PACKAGING PURPOSES ONLY!

Slide the slotted cutout on the installation tool onto the front of the canister near the center, but not touching the pull strap. Make sure the hole is facing toward the truck cab and the tool is secured to the front of the canister. Rest the handle on top of the installation tool (FIG. 3A).

CAUTION!

**MAKE SURE THE LATCHES ARE IN!
IF THE LATCHES ARE OUT THE HANDLE WILL CATCH ON THE
RAIL AS YOU ATTEMPT TO SLIDE IT IN. SEE FIG. 3B & 3C**

CAUTION!

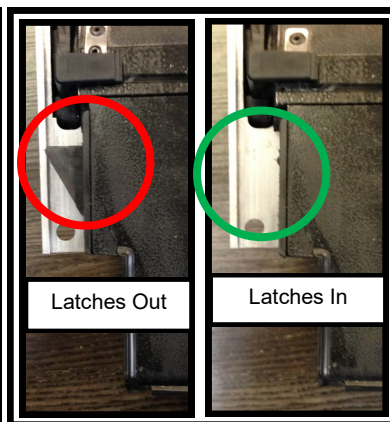
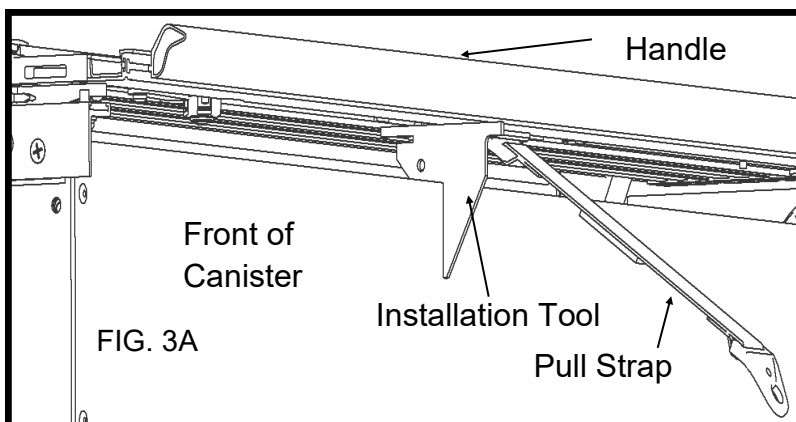
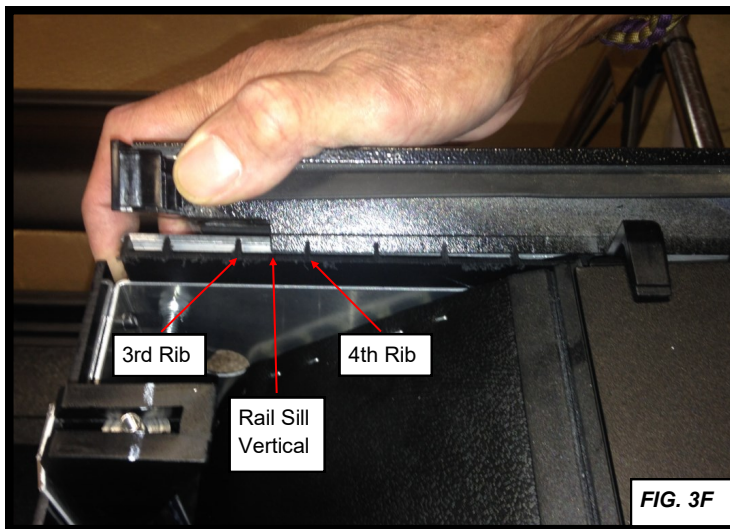
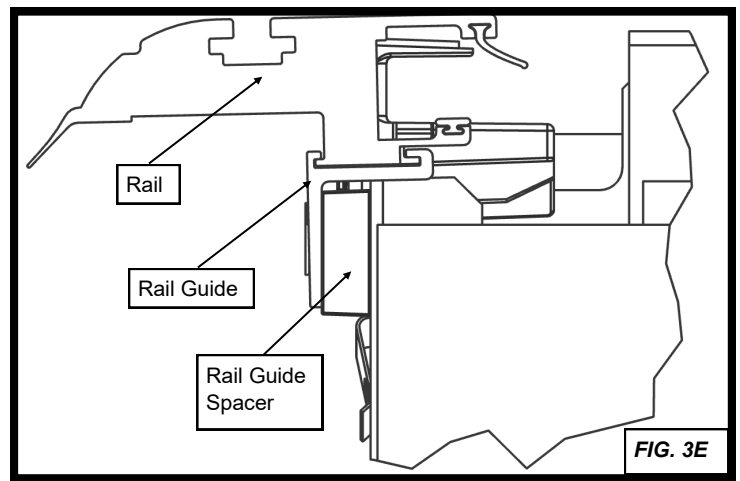
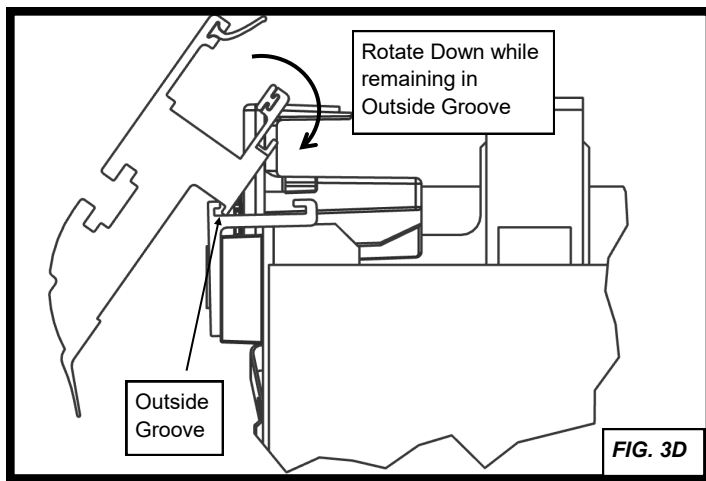


FIG. 3B & C



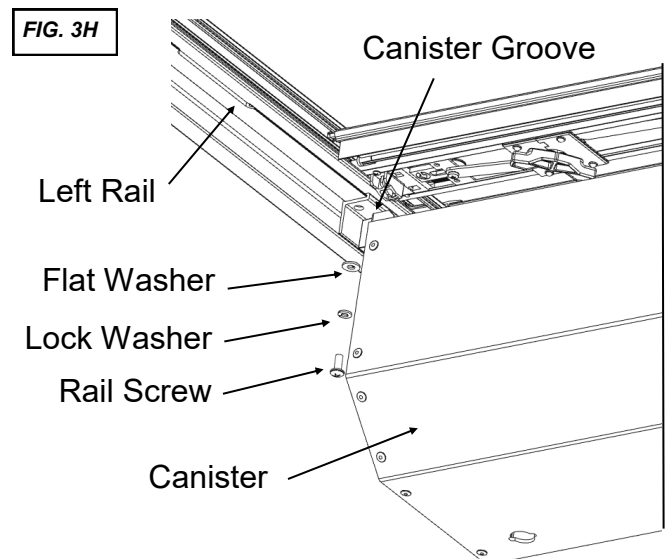
Using the outside edge of the rail (away from the can), hook the rail onto the rail grip's outside groove (FIG. 3D).

Slide along the rail grip until the rail vertical is between the 3rd and 4th Rib of the Rail Guide Spacer. Rotate the rail towards the canister, while keeping the outside edge of the rail locked in the groove (FIG. 3D).

If the handle is making contact with the rail, confirm the cover is fully retracted into the canister.

Once the rail is level with the grip, push the rail forward whilst maintaining light pressure over the rail (FIG. 3G).

Once the rail vertical reaches the end of the grip, thread the rail bolt with the lock washer and flat washer through the rail grip into the rail. Use a Philips #2 screwdriver to tighten (FIG 3H).



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

INSTALL TIP!

IF THE RAIL IS GETTING STUCK WHILE PUSHING FORWARD, AND THE RAIL IS LEVEL WITH THE GRIP; THEN GENTLY LIFT UP ON THE HANDLE WITH ONE HAND WHILE PUSHING THE RAIL FORWARD

INSTALL TIP!

INSTALL TIP!

IF YOU ARE INSTALLING THE RAILS OUTSIDE THE TRUCK BED, USE THE CLAMP BOX TO SUPPORT THE FIRST RAIL TO PREVENT ANY DAMAGE TO THE RAIL. THIS WILL ALSO PREVENT THE CANISTER FROM TWISTING (FIG. 3J)

INSTALL TIP!

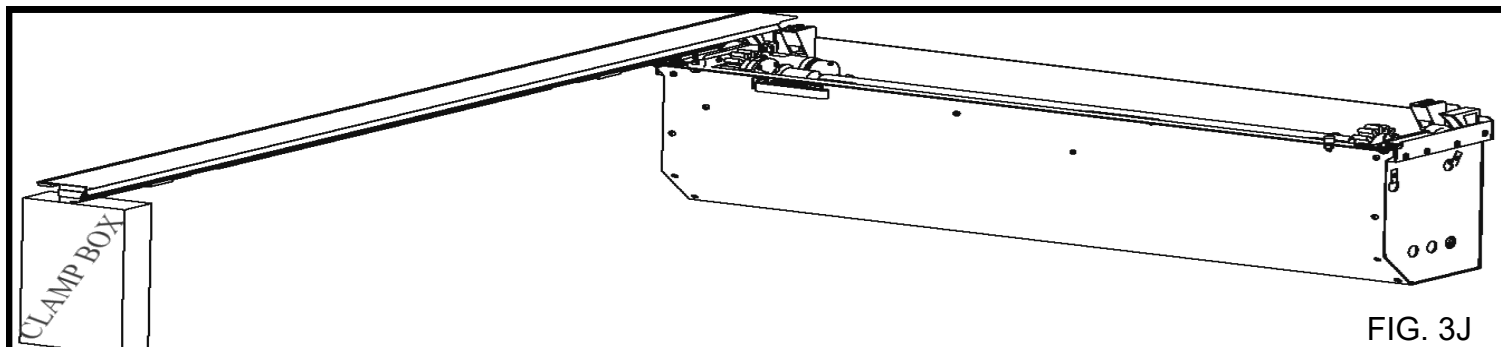


FIG. 3J

The rails and canisters shown are for REFERENCE, and may not exactly match your own geometry.

CAUTION!

DO NOT FORGET TO TAKE THE INSTALLATION TOOL OFF THE CANISTER ONCE BOTH RAILS ARE INSTALLED.

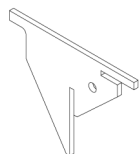
CAUTION!

STEP 4: INSTALLING THE TOP COVER

BLACK TOP COVER
SCREW x 2



6FT OF FOAM



INSTALLATION
TOOL x 1

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).

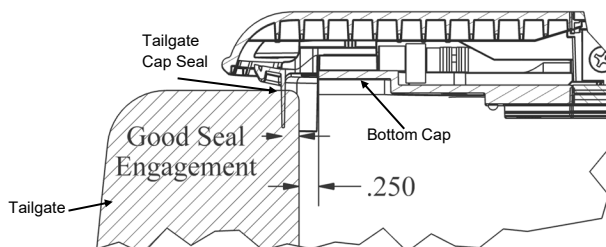


FIG. 4A

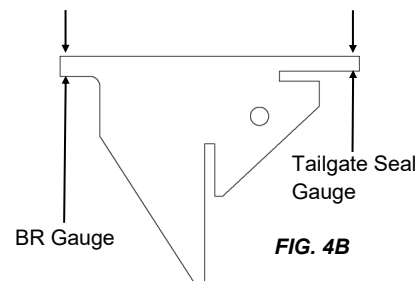


FIG. 4B

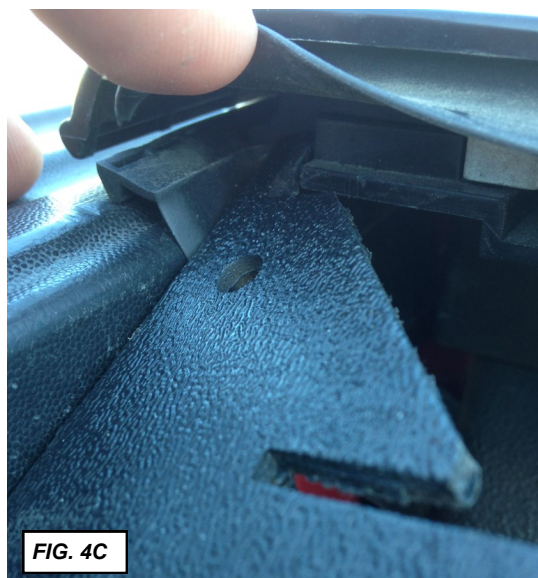
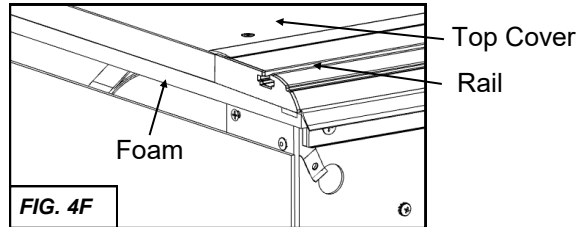
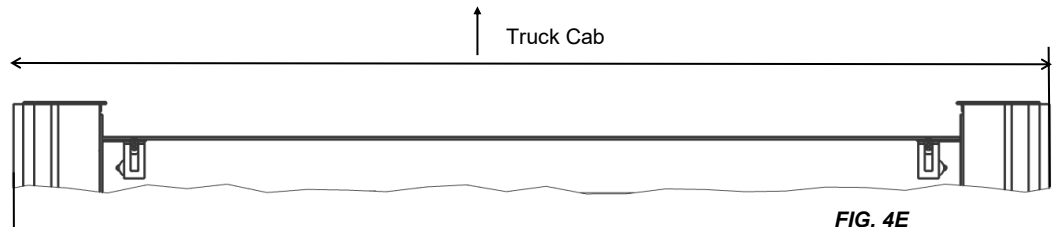
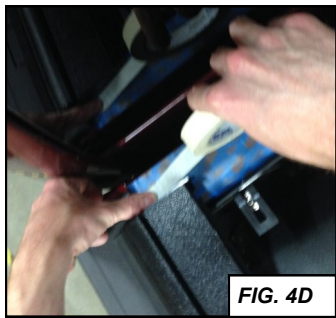


FIG. 4C

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!



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!

STEP 5: INSTALLING THE CLAMP EXTENSIONS

Slide the clamp extensions on the tailgate and cab end of each rail as pictured in Figure 5A-5E. 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 5A.

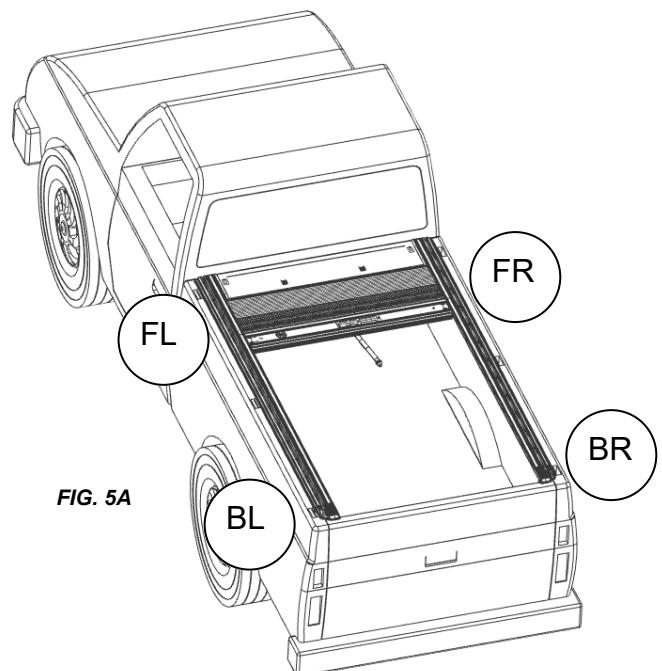
Tailgate End:

- 1/8" Black Shim
- Set Screw Hole
- Toward Tailgate

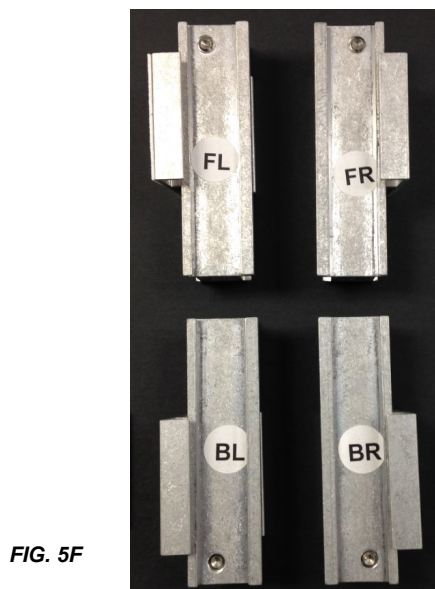
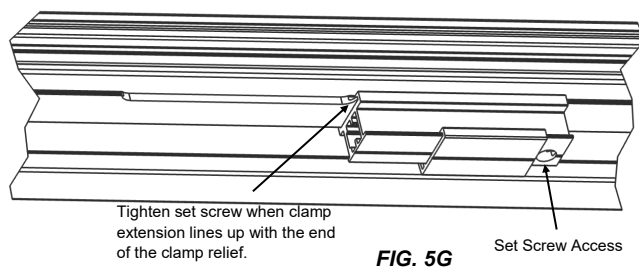
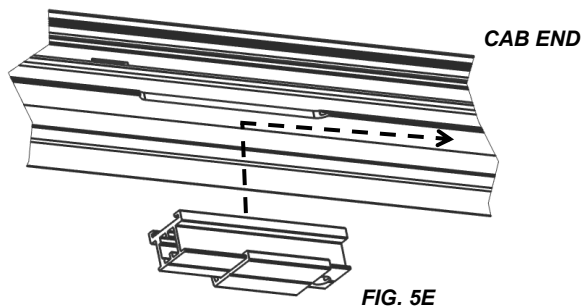
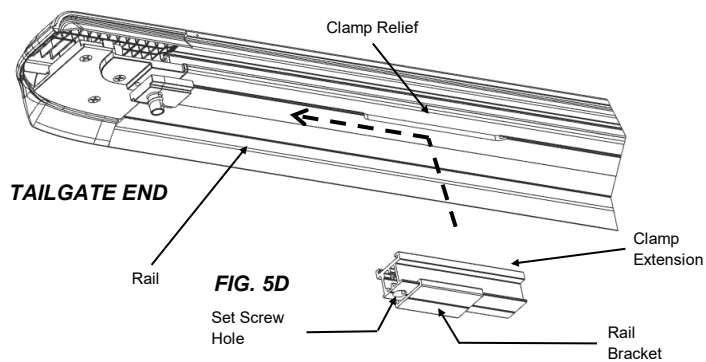
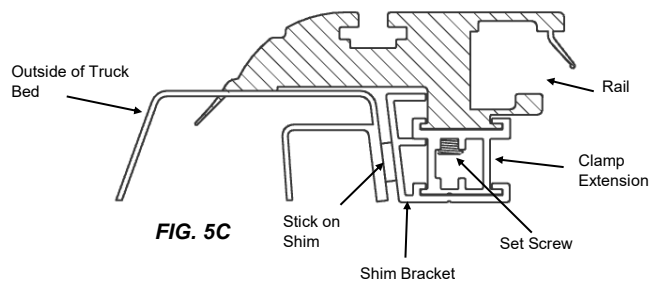
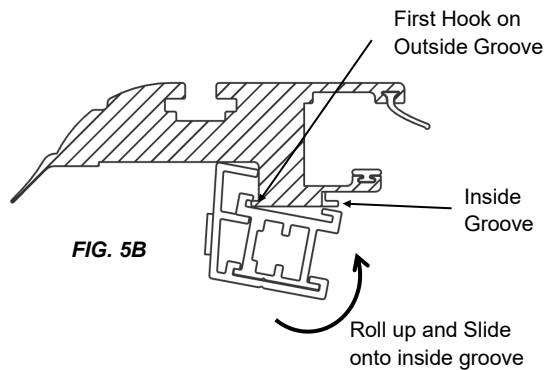
Cab End:

- 1/16" White Shim
- Set Screw Hole
- Toward Cab

Next slide the extension so they line up flush with the end of the clamp relief as shown in Figure 5G 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.



STEP 5: INSTALLING THE CLAMP EXTENSIONS



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 below (FIG. 7C & 7D). There are two CCW and two CW back plates in the kit. Rotate the back plate towards the center of the truck bed (FIG. 7D). Once the back plates are contacting the bed rails (FIG. 7C) and can no longer rotate, tighten the clamp bolts until the clamp is secure.

DO NOT FULLY TIGHTEN YET

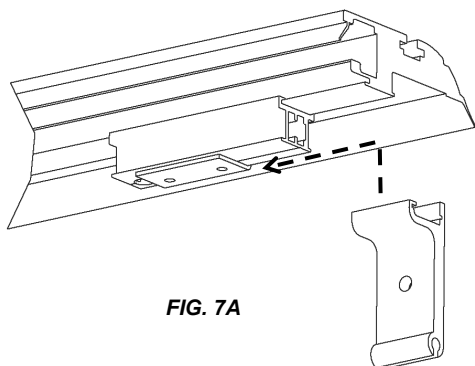


FIG. 7A

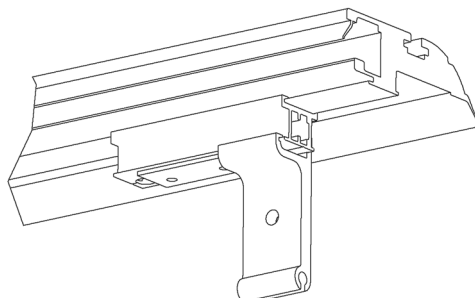


FIG. 7B

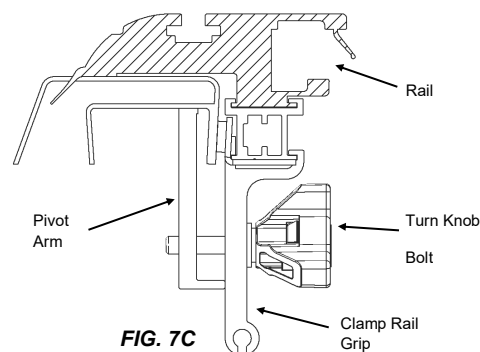
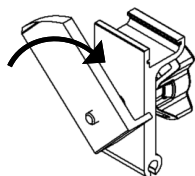
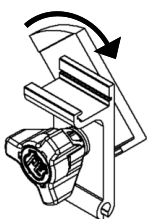


FIG. 7C

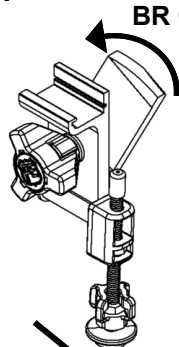
Rotate back plates towards center of the truck bed



FL CCW



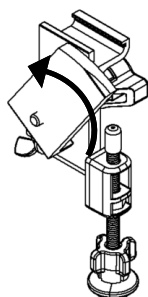
FR CW



BR CCW

BL CW

FIG. 7D

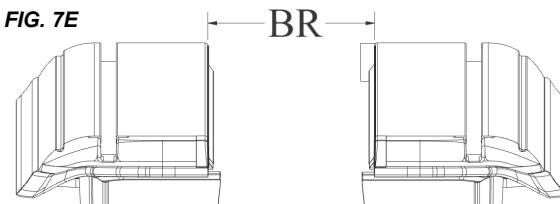


Tailgate

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/KM 2171	58 9/16"
KR/KM 2172	58 9/16"
KR/KM 2173	58 9/16"
KR/KM 2184	48 5/16"

FIG. 7E



Check for proper spacing by measuring between the rails at the canister and the tailgate end of the rails (FIG. 7E). The measurement should be equal to or less than those in the table. The Rail Brackets and Shims have been pre-installed to achieve the proper Between the Rail dimensions (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 bedliners.

There are shims on the brackets that can be removed if the unit is too tight and shims in the hardware pack that can be added if too loose.

To remove the shims, take a flathead screwdriver or knife and gently pry the shim off the bracket (it is held on by a adhesive strip) if adjustment is needed.

Note: You must loosen the clamps to add/remove shims

The white shims are 1/16" and the black shims are 1/8", add or remove shims according to your own BR dimensions. Once the proper BR dimension has been achieved, tighten each clamp bolt to 70 in-lbs.

CAUTION!

Proper Between the Rails dimensions are critical to the optimal performance of your Tonneau Cover!

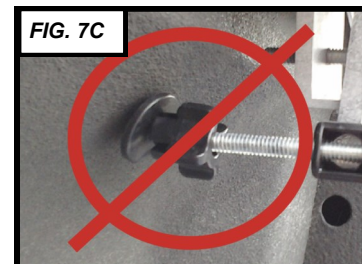
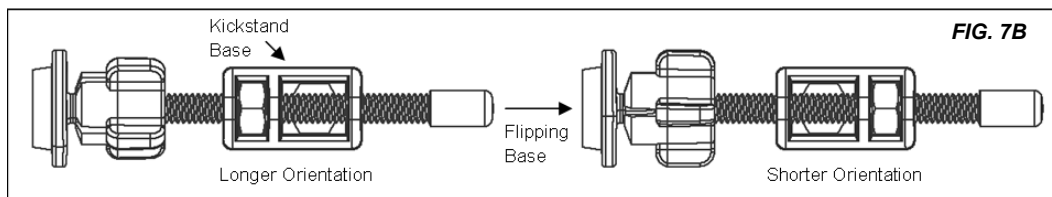
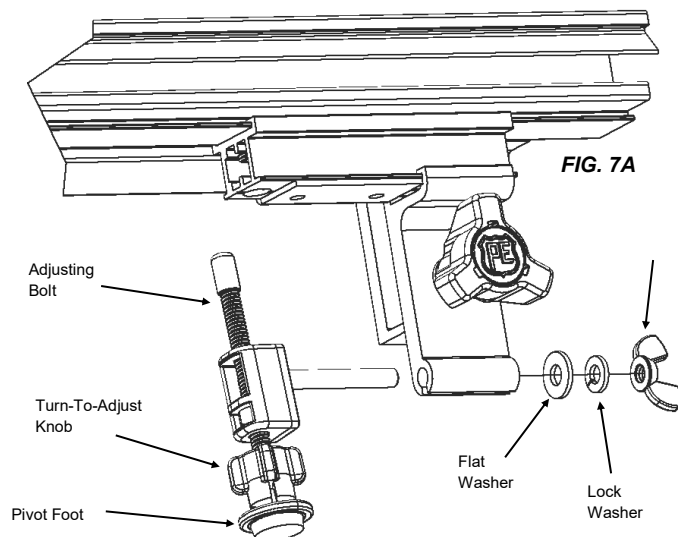
CAUTION!

STEP 7: INSTALLING KICKSTANDS

The Clamp Kickstands are not compatible with the factory Cargo Management System

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. 7C).

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. 7B). Verify the BR dimension after the rails are leveled.



STEP 8: INSTALLING TAILGATE DRAINTUBES

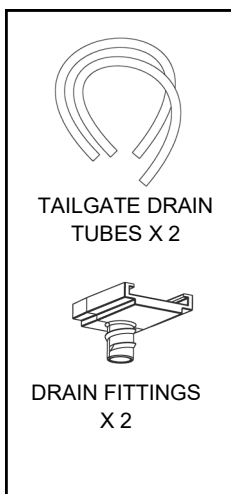


FIG. 8A

To install the tailgate drain tubes you need to find suitable holes in the rear stiffener of your truck bed. Figure 8C shows possible hole locations.

Next you will screw the drain tube into the drain fitting and slide it on the tailgate cap as shown in Figure 8B. 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!

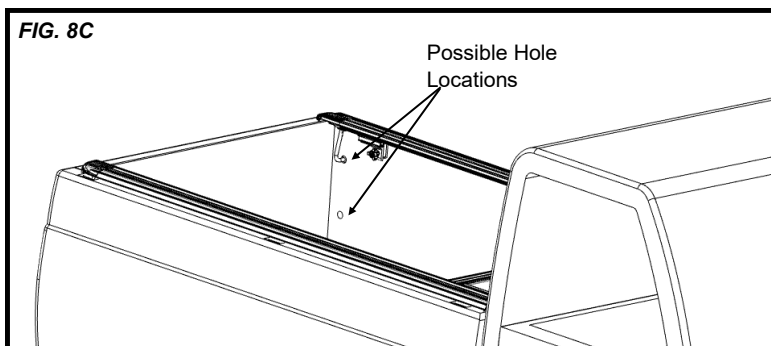


FIG. 8C

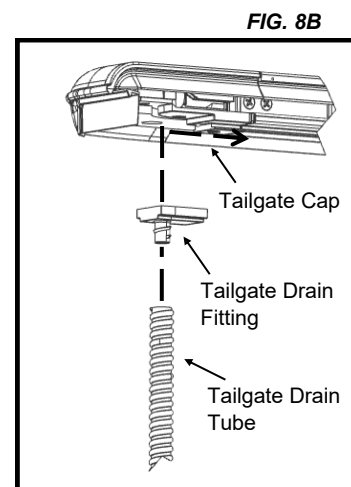


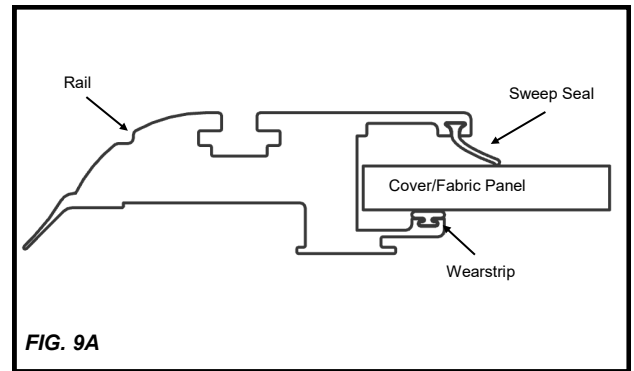
FIG. 8B

STEP 9: 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 9A)

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.



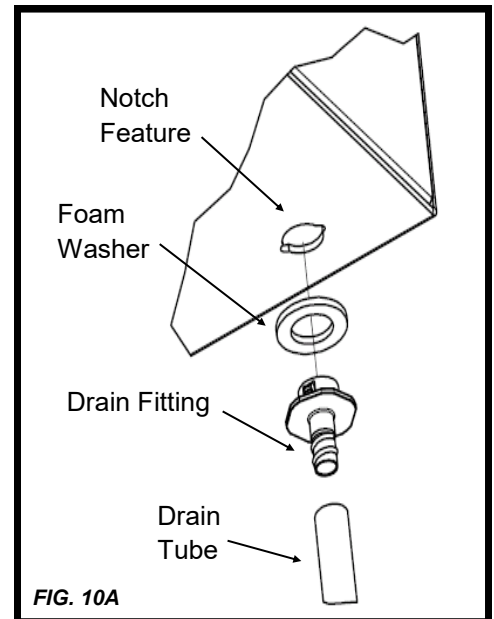
STEP 10: INSTALLING CANISTER DRAIN TUBES

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.

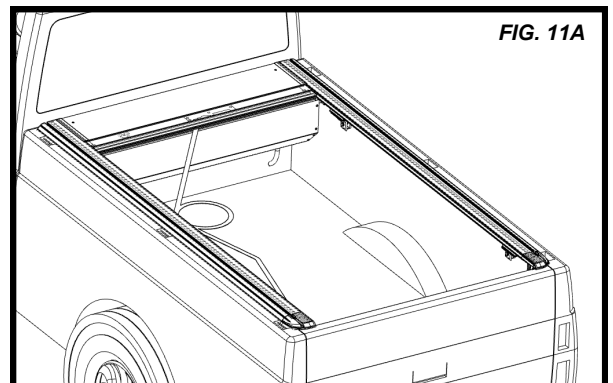
To remove the drain tubes reach under the canister, grab the drain tube fitting and turn it while applying light downward pressure. When the retaining tabs align with notches in the bottom of the canister the Drain Tube and Fitting will drop out.



STEP 11: ATTACH THE PULL STRAP

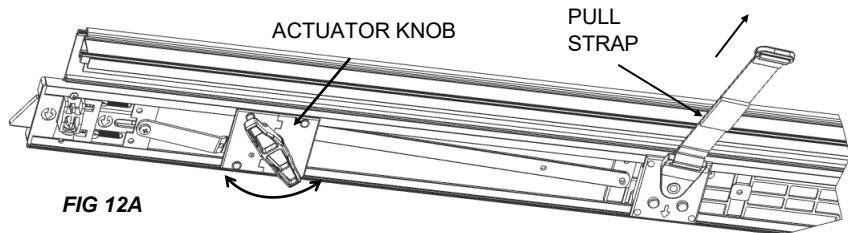


Retract the cover the fully open position. Attach the 4" Velcro strip onto the Velcro strip already attached to the pull strap. Pull the pull strap over to the driver's side rail and remove the tape from the 4" Velcro strip. Then apply the Velcro strip onto the underside of the rail at your desired position. 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 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.

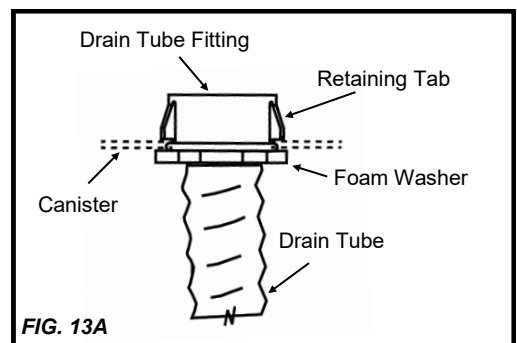
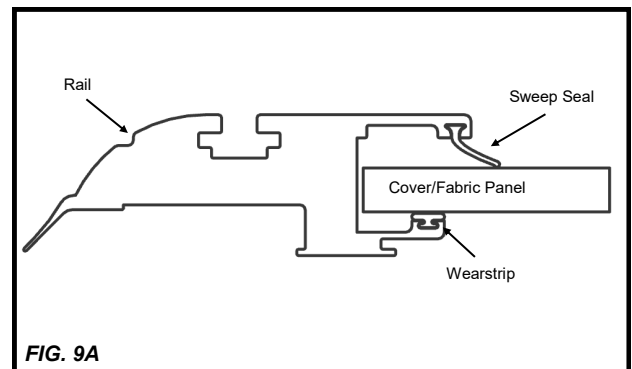
Ensure proper placement of the sweep seal as shown in step 9. Re-apply protectant/lubricant if the cover begins squeaking or sticking during use. (FIG. 9A)

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. 10A and FIG. 13A)



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 _____