

# BEDLOCKER®

ELECTRIC RETRACTABLE TRUCK BED COVER

## NISSAN FRONTIER INSTALLATION INSTRUCTIONS



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**[www.pace-edwards.com](http://www.pace-edwards.com)**

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### TABLE OF CONTENTS

Tools Required for Assembly .....	2
Before You Start .....	2
Drain Hole Locations .....	2
1. Remove Contents from Box .....	2
Packaging Contents .....	3
2. Install Wiring Harness .....	3
3. Positioning the Canister .....	3
4. Installing the Rails .....	4
5. Installing Clamps & Shims .....	6
6. Installing Kickstands .....	7
7. Lubricating the Sweep Seals .....	8
8. Connecting the Electronics .....	8
9. Installing the Drain Tubes .....	8
10. Installing Top Cover .....	9
Release Handle Instructions .....	9
Helpful Maintenance Hints .....	11
Warranty Statement .....	12

# TOOLS REQUIRED FOR ASSEMBLY:

- 3/8" Wrench or Socket
- #2 Phillips Screwdriver
- Tape Measure
- Side Cut Pliers or Needle Nose Pliers
- Utility Knife or Scissors

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

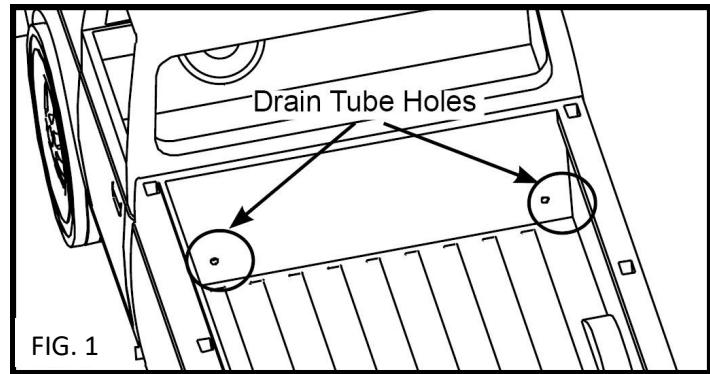
## BEFORE YOU START:

Read the instructions carefully before you start. These instructions are written for one-person installation. We have noted where briefly having an extra person's assistance can make installation easier.

If you have questions regarding the installation of your new retractable tonneau cover, please call our Technical Support Line at (800) 338-3697 Ext #1.

## DRAIN HOLE LOCATIONS:

The Bedlocker 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.



## OPTIONAL WIRING HARNESS FOR DASHBOARD SWITCH

The Bedlocker also offers an optional wire harness (**Part # BL-1120**) to manually operate the tonneau cover from inside the cab of your truck.

This harness is designed to plug into the custom-built electronics control box mounted inside the canister.

Plug switch harness into the capped plug (grey/violet) located along side the power plug. Make sure to secure the loose wires inside the canister away from the gear and blanket.

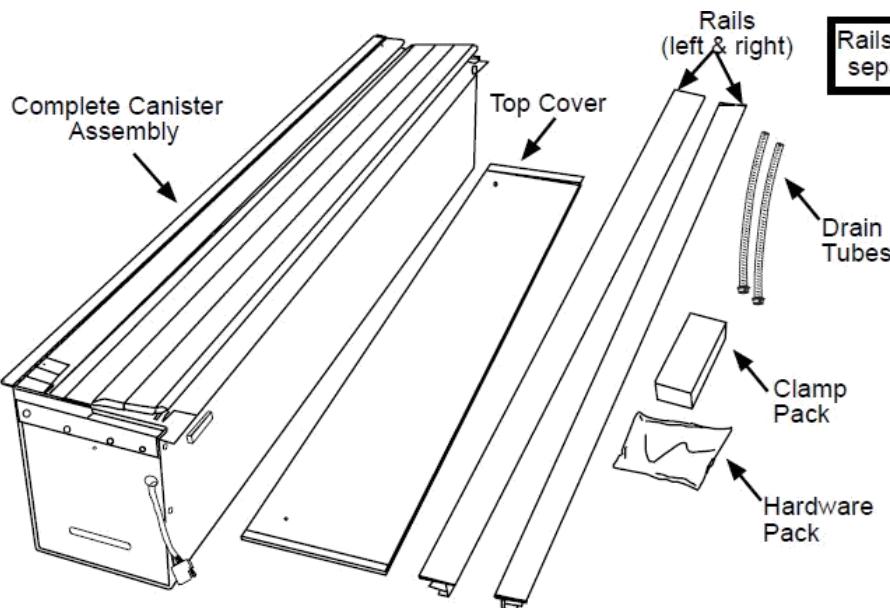
Then run the wire to the cab and attach under the dash in a suitable location.

## STEP 1: REMOVE CONTENTS & PLYWOOD PACKAGING

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 on next page). Perform a quick inventory of the packaging contents to ensure all parts are there.

**DISCARD PLYWOOD PACKAGING AND BOLTS!**

# PACKAGING CONTENTS:



## STEP 2: INSTALL THE WIRING HARNESS

### HARDWARE USED:



(If the optional wire harness (Part# BI-1120 is used, you may want to tape it to the main harness to ease having to pull them through the stake pocket separately).

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

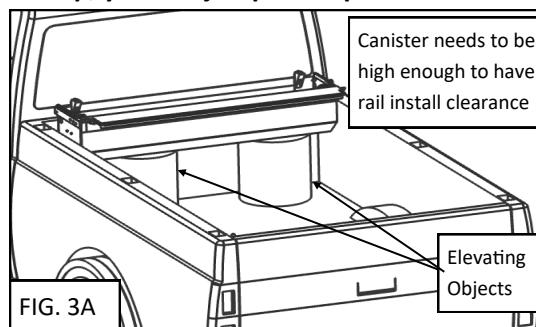
**(Do not attach to the battery yet.)**

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

## STEP 3: POSITIONING THE 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. 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. 3A).

If you have another person to help, you can jump to step 4 and install the rails outside of the truck bed.



# STEP 4: INSTALLING THE RAILS

## HARDWARE USED:



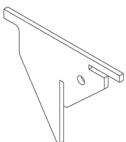
1/4-20 X 5/8" RAIL SCREW x 2



1/4" LOCK WASHER x 2



1/4" FLAT WASHER x 2



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!

Make sure that the Lead Rib Flange is pulled toward the tailgate enough to clear the Canister Flange and Canister Stop (FIG.4A).

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).

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

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 groove (FIG. 3E).

Keep rotating until the rail is level with the grip (FIG. 4D).

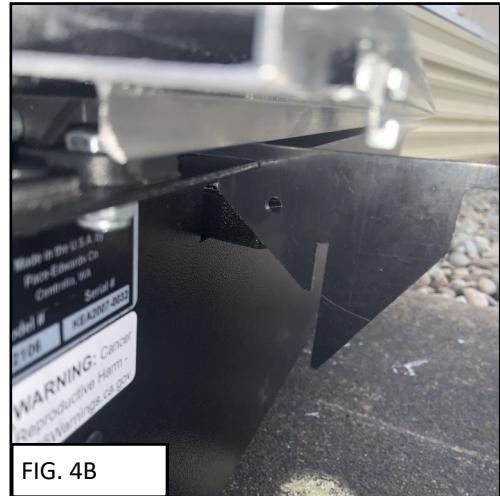
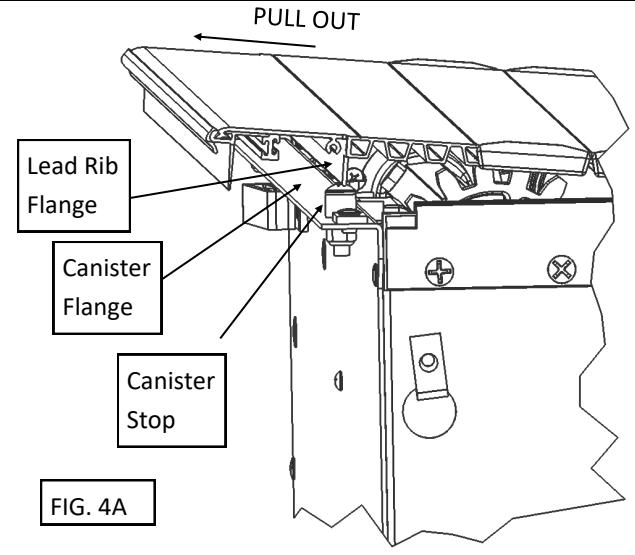


FIG. 4B

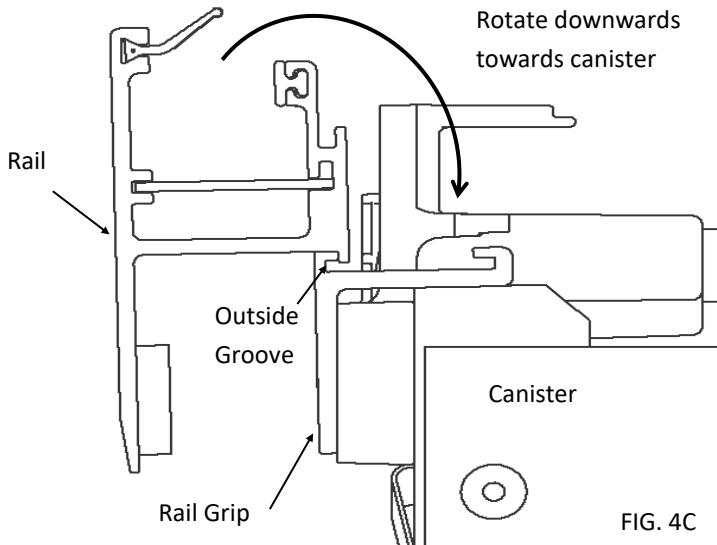


FIG. 4C

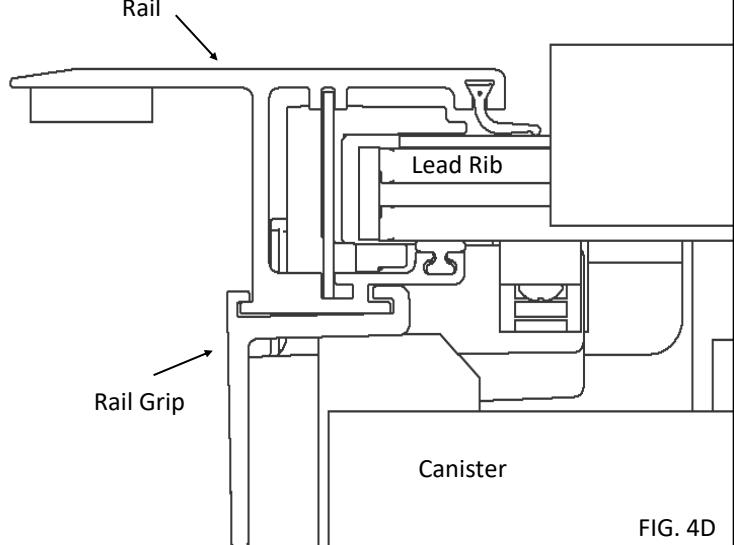


FIG. 4D

**IF THE RAIL IS GETTING STUCK DURING INSTALLATION, AND THE RAIL IS LEVEL WITH THE GRIP; THEN GENTLY LIFT UP ON THE LEAD RIB WITH ONE HAND WHILE PUSHING THE RAIL FORWARD WITH THE OTHER.**

**INSTALL TIP!**

**INSTALL TIP!**

Once the rail is level with the grip, push the rail forward whilst maintaining light pressure over the rail (FIG. 4F).

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 4G).



FIG. 4F

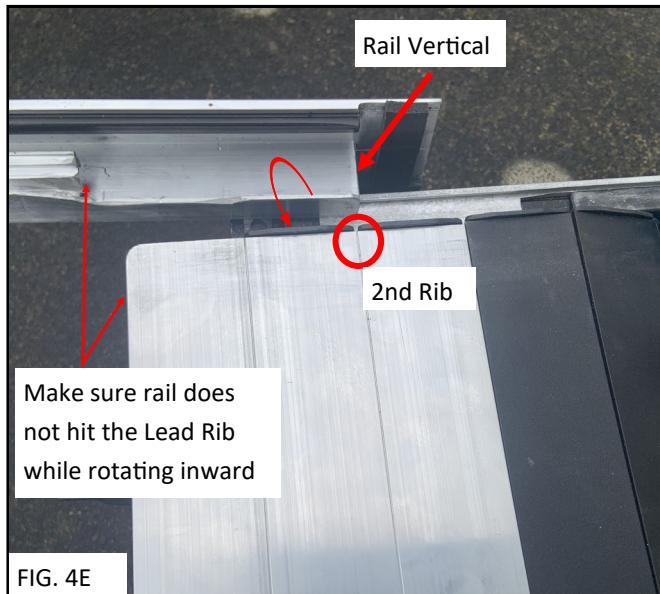


FIG. 4E

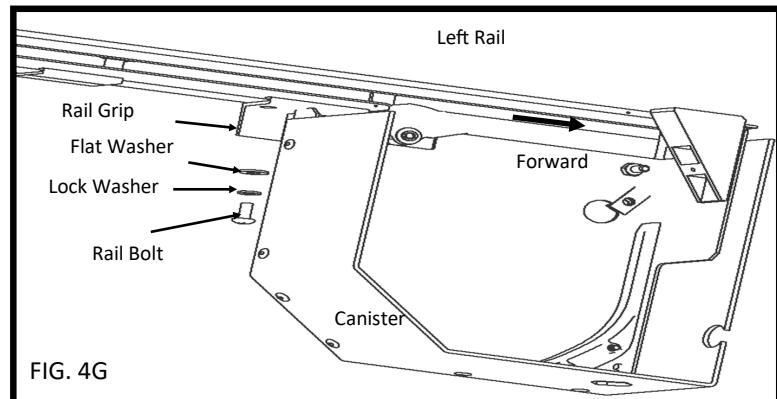


FIG. 4G



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 TILTING (FIG. 4J)

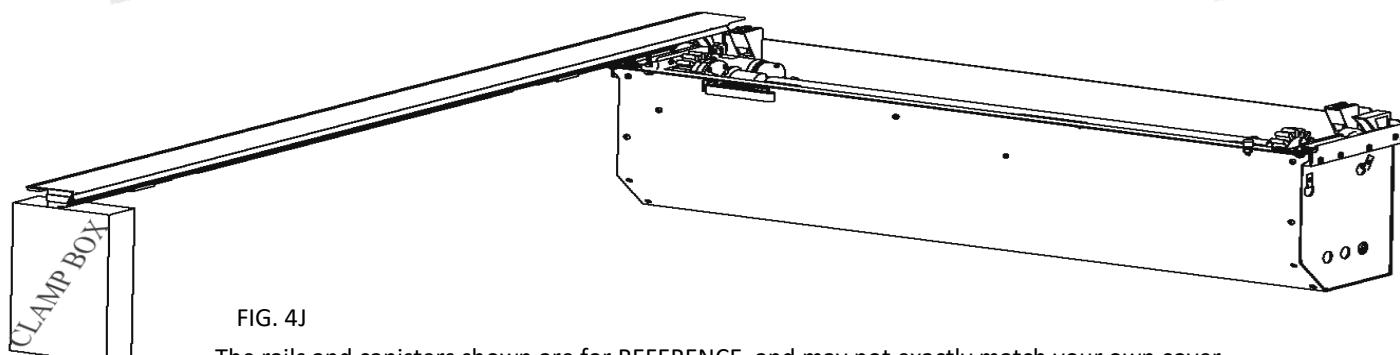


FIG. 4J

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



DO NOT FORGET TO TAKE THE INSTALLATION TOOL OFF THE CANISTER ONCE BOTH RAILS ARE INSTALLED.  
THE TOOL WILL BE USED AGAIN TO ENSURE PROPER FITMENT OF YOUR TONNEAU COVER



If you installed the rails off the truck bed, simply lift the canister assembly into place, centering the canister between the

bed. Otherwise remove the support(s) under the canister so that the canister and rails rest firmly on the sides of the truck bed.

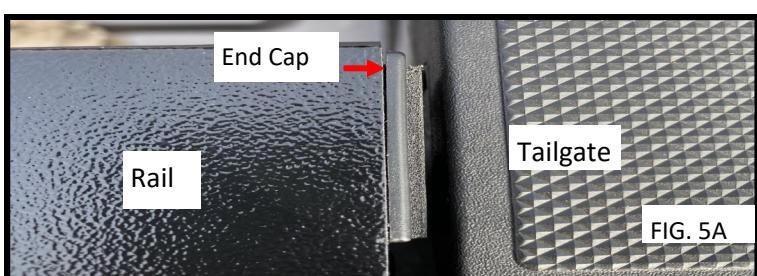


FIG. 5A

With the tailgate closed, position the rails so the endcaps are 1/16" away from the tailgate (FIG. 5A)

# STEP 5: INSTALLING THE CLAMPS

Secure the rails to the truck bed by installing two clamp assemblies per rail. Slide the Clamp Grip onto the Rail at the Clamp Relief and then slide it towards the Rail Bracket and Shim (Fig 5C and 5D).

Before installing the rail clamps, set the Rail End Caps about  $1/16$ " from the tailgate. This space will allow for overstroke when closing the tailgate. Once everything is square, insert the Turn Knob through the Clamp Grip and push up the Clamp Back Plate as much as possible while tightening the Turn Knob (FIG. 5E). Make Sure the Clamp is pushed up as far as possible in the Clamp Grip slot (FIG. 5F).



Tighten the Rail Clamps completely but **do NOT tighten over 120 inch-pounds!**



Check for proper spacing by measuring between the rails at the canister and the tailgate end of the rails (Fig 5A). The measurement should be equal to or less than those in Fig 5B. 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.



FIG. 5A

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

FIG. 5B

PART NUMBER	BETWEEN THE RAILS (BR)
BL2182	54 13/16
BL2183	54 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 minimum, enough play to allow the cover to move freely with no drag and at a maximum  $1/8$ " per side. More than  $1/8$ " 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 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.**

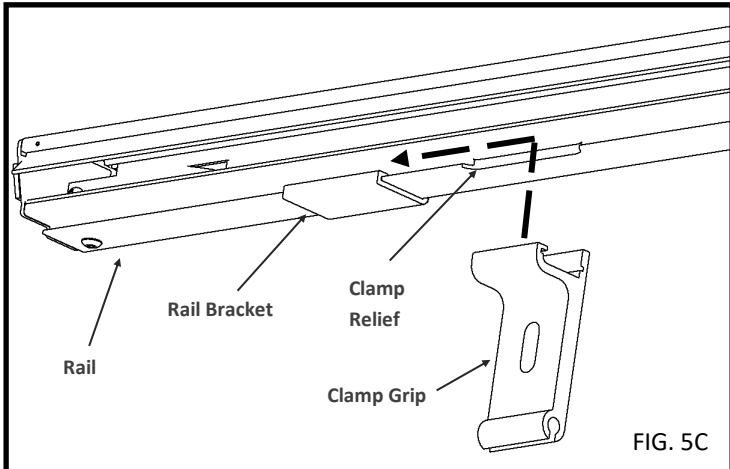


FIG. 5C

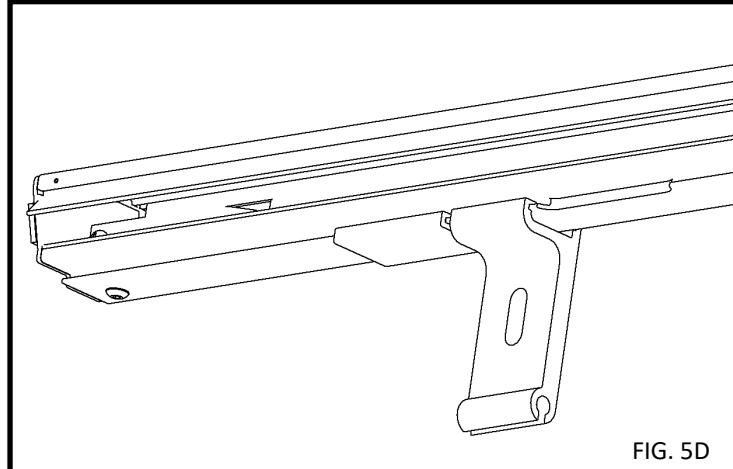


FIG. 5D

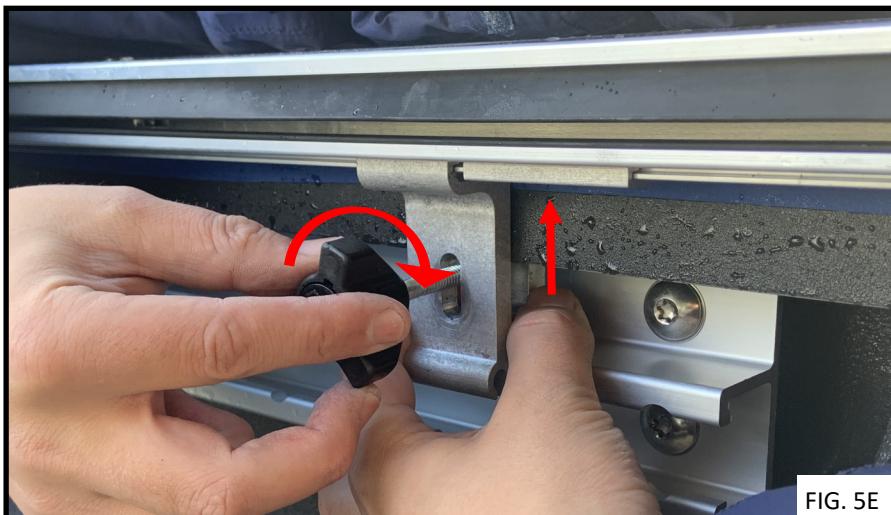


FIG. 5E

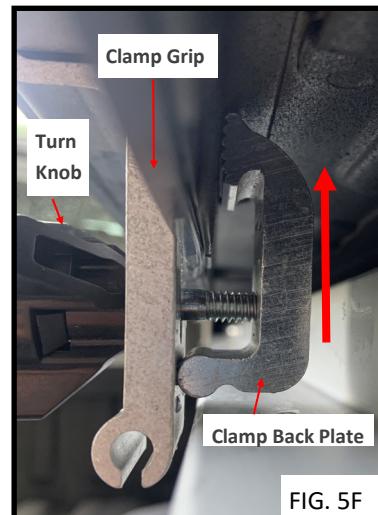


FIG. 5F

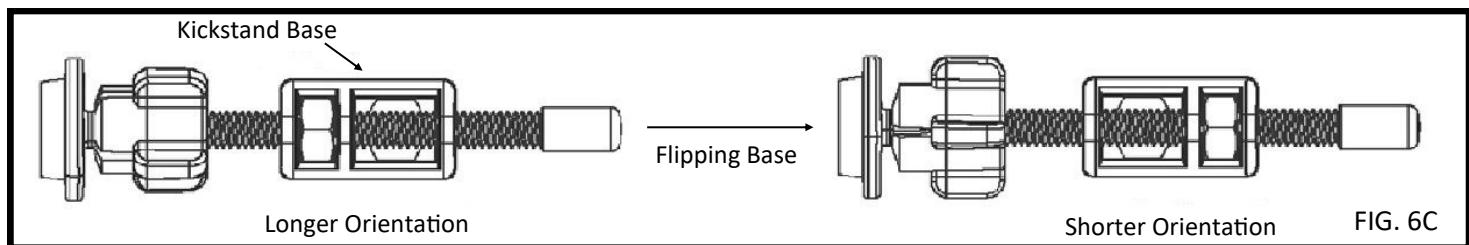
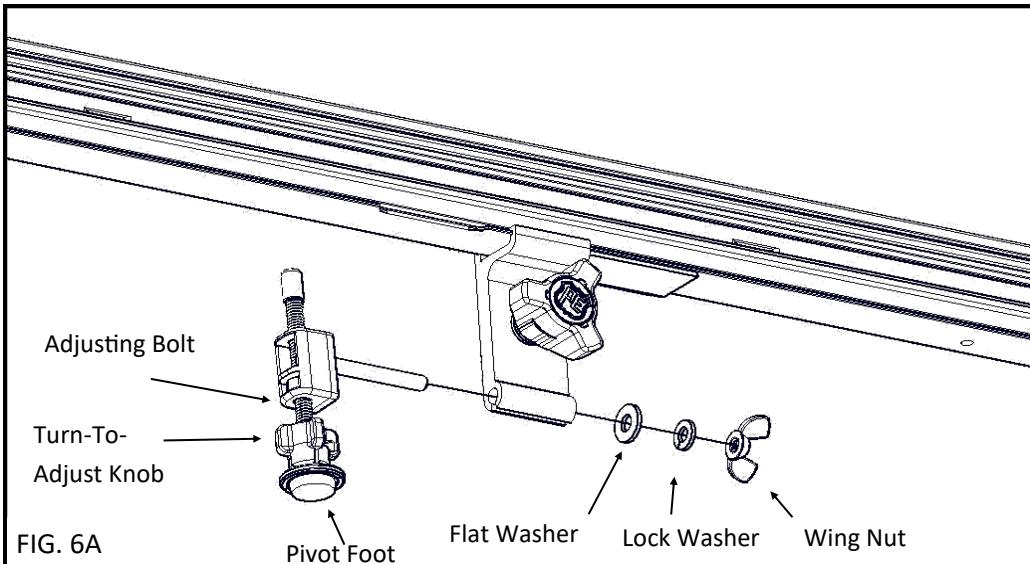
# STEP 6: INSTALLING THE KICKSTANDS

If your truck has the factory installed Cargo Management System, then skip this step.

Install the kickstands at the tailgate ends of the rails (FIG. 6A). 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 the bed wall. Rotate the assembly so that the kickstand will push as squarely as possible against 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. 6B).

Run the adjusting bolt inward toward the bed wall, putting some pressure on the foot. 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. 6C).

Verify the BR Dimension after the rails are leveled (STEP 5, FIG. 5A & FIG. 5B)



## STEP 7: 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 7A)

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.**

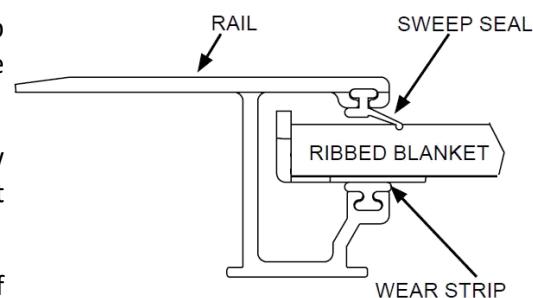
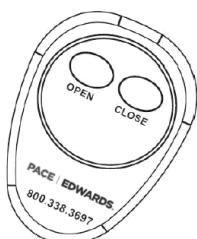


FIG. 7A

## STEP 8: 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.

The cover is now ready to operate.

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

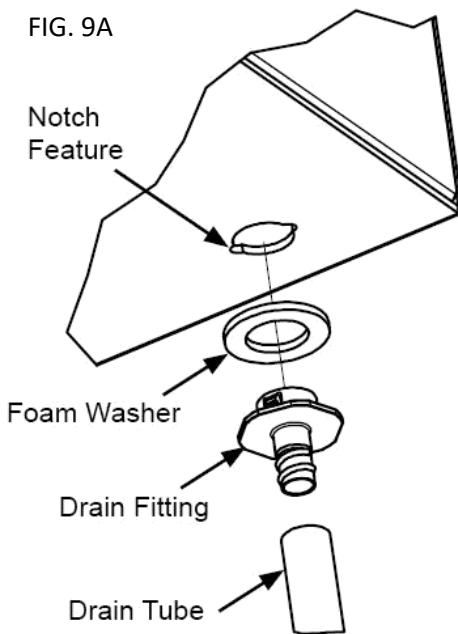
## STEP 9: INSTALLING THE DRAIN TUBES

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 the water flows out of the truck bed.

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 the notches in the bottom of the canister the Drain Tube and Fitting will drop out.



# STEP 10: ATTACHING THE TOP COVER

## HARDWARE USED:



Black Top Cover  
Screw x2

Place the Top Cover on the canister and install with the two black Top Cover screws into the cover mounting blocks.

Hold the top cover tight against the cab side of the box while tightening. The Top Cover can be adjusted slightly to align evenly with the ribbed blanket.

If there's a gap between the foam on the underside of the installed Top Cover and the front sill of the truck bed, use the extra roll of foam included in the kit to close the gap. Mark the location where the existing foam on the Top Cover will land on the front sill, remove the Top Cover, apply the foam to the front sill of the bed, trim the foam even with the plastic rail caps, and re-install the Top Cover.

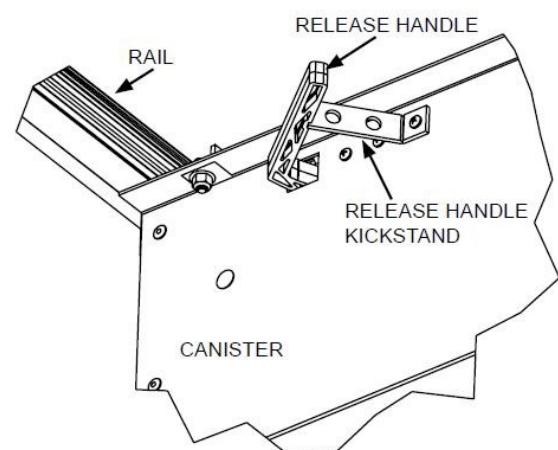


You have now completed the installation of your Bedlocker Electric tonneau cover!  
If you have any questions, please do not hesitate to call us at (800) 338-3697 Ext 1  
to speak with our Technical Service Department.

## RELEASE HANDLE INSTRUCTIONS

If power is lost to the Bedlocker 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 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, manually move the cover until you hear and/or feel the release reconnect to the motor.

This process will allow you to use the cover until power is restored. It is not meant for extended or permanent use.

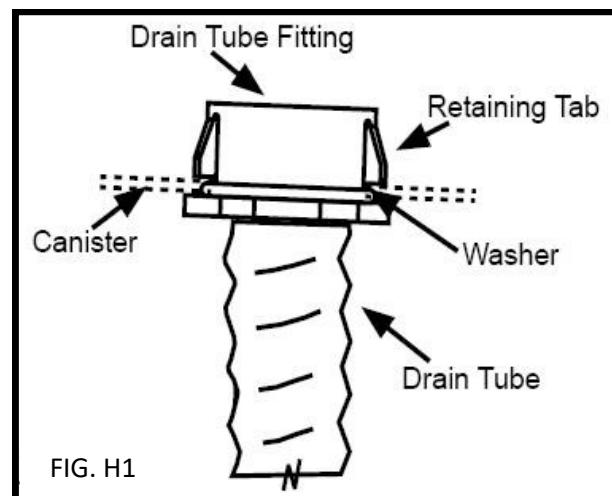
## HELPFUL MAINTENANCE HINTS

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 and grab the drain tube fitting. Turn the drain tube fitting while applying 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 & FIG 9A).

To help keep the Bedlocker retractable tonneau cover looking its best, we recommend washing it the same as caring for your truck finish. However, due to the hammer texture of the power-coating, removal of wax can be difficult so 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 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 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 \_\_\_\_\_

