

# OWNER'S MANUAL



## Farm Box & Semi Grain Trailer

*READ BEFORE INSTALLING*



P.O. Box 713, 2309 Shur-Lok Street, Yankton SD 57078

Phone: 1-800-4 SHUR-LOK (1-800-474-8756) Fax: (605) 665-0501

Web Site : <http://www.shurco.com>

**NOW SHOP ONLINE:** [www.shopshurco.com](http://www.shopshurco.com)



# WARRANTY

Shur-Co. warrants that all new, unused products are free from defects in material and workmanship. This Warranty is effective if the product is properly installed and used for the purpose intended and applies to the original buyer only. Shur-Co.'s obligation under this Warranty is limited to repairing or at its option, replacing any part that is returned, transportation prepaid, to Shur-Co., Yankton, South Dakota, if the product is, in our judgment, in fact, defective. All materials returned without written authorization will be refused. Shur-Co. shall not be liable or responsible to supply or pay labor to replace any part found defective, nor shall it be liable for any damages of any kind or nature to person, product, or property.

There are no warranties for used products or products that have been repaired, altered, modified, subjected to misuse, negligence, accident or ordinary wear and tear.

**Shur-Co. products are sold without any express warranty except as set forth above.**

No person is authorized to modify the foregoing Warranty in any respect whatsoever.

**Shur-Co. is not obligated to honor warranty claims if approved O.E.M. or genuine Shur-Co. parts are not utilized.**

## Shur-Co.

2309 Shur-lok St  
PO Box 713  
Yankton, SD 57078-0713  
Ph: 1-800-4 SHUR-LOK (1-800-474-8756)  
1-605-665-6000  
Fax: 1-605-665-0501

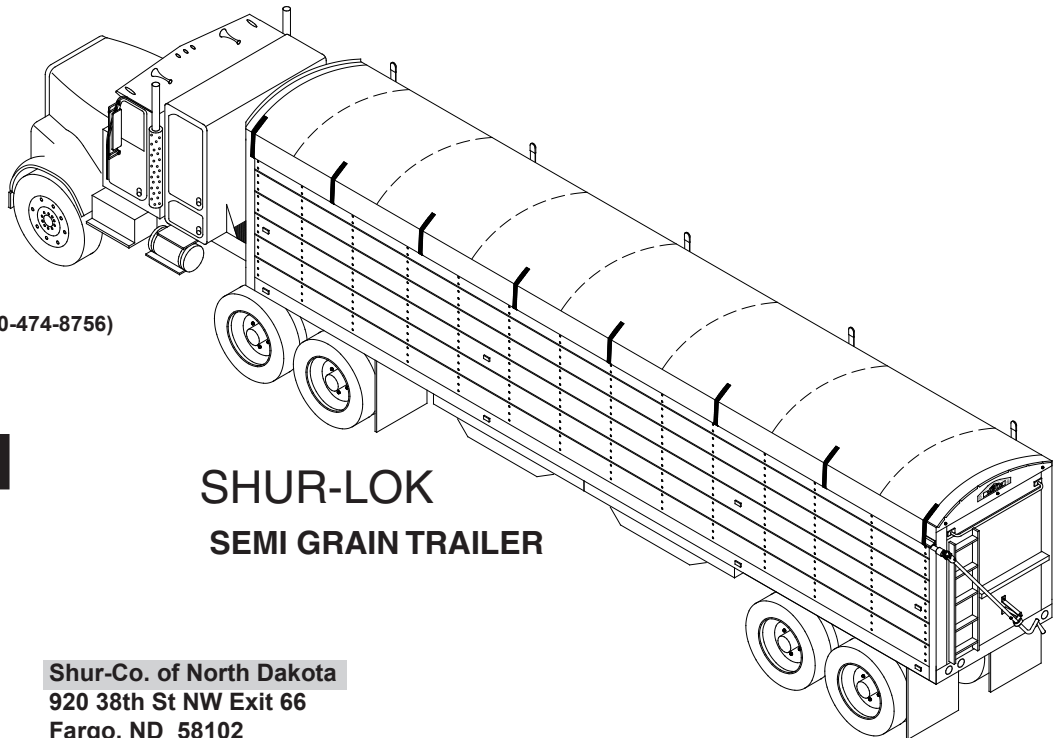
## Service Centers

**Shur-Co. of Colorado**  
10220 Brighton Rd, Unit #1  
Henderson, CO 80640  
Ph: 1-303-289-2050  
Fax: 1-303-289-2298

**Shur-Co. of Oklahoma**  
1604 East US Hwy 66  
El Reno, OK 73036  
Ph : 1-405-262-7600  
Fax: 1-405-262-3842

**Shur-Co. of Ohio**  
1100 N. Freedom, PO Box 827  
State Route 88 & 14  
Ravenna, OH 44266  
Ph : 1-330-297-0888  
Fax: 1-330-297-5599

**Shur-Co. of Illinois**  
4350 E Boyd Rd  
Decatur, IL 62521  
Ph: 1-217-877-8277  
Fax: 1-217-877-8270

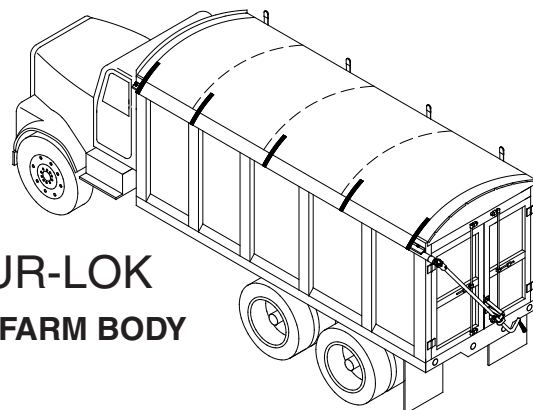


**SHUR-LOK  
SEMI GRAIN TRAILER**

**Shur-Co. of North Dakota**  
920 38th St NW Exit 66  
Fargo, ND 58102  
Ph: 1-877-868-4488  
1-701-277-5714  
Fax: 1-701-277-1283

**Shur-Co. of Iowa**  
3839 Midway Blvd  
Ft. Dodge, IA 50501  
Ph: 1-515-576-0959  
Fax: 1-515-576-5578


**Shur-Co. of TX/Houston**  
34505 I-10 West  
South Frontage Rd  
Brookshire, TX 77423  
Ph: 1-281-934-1007  
Fax: 1-281-934-3311



**SHUR-LOK  
FARM BODY**

## MESSAGE TO OWNERS

Thank you for buying this tarping system from Shur-Co. We appreciate your confidence in our products. Please read and thoroughly understand this manual before installing and/or operating this tarping system.

Pay particular attention to important safety and operating instructions, as well as warnings and cautions. The hazard symbol  is used to alert users to potentially hazardous conditions, and is followed by caution, warning or danger messages.

Failure to READ & FOLLOW INSTRUCTIONS could result in failure of your tarping system and/or personal injury. Your trailer requirements may call for minor variations to these instructions. Illustrations are intended to be generic only.

Please inspect your tarping system, and repair or replace parts when continued use could damage your system.

# QUESTIONS?

CALL OUR HELP LINE

**1-866-748-7435**

8 AM - 5 PM MON - FRI CT

## RUST PREVENTION

To prevent rust, paint all exposed metal, such as weld seams, and/or metal exposed by grinding or cutting, with corrosion resistant paint.

## SAFETY

We, at Shur-Co. are concerned with your safety, and the safety of all those operating this system. Therefore, we have provided safety decals at various locations on your tarping system. Keep decals as clean as possible at all times. Replace any decal that has become worn or damaged, painted over or otherwise difficult to read. Replacement decals are available through Shur-Co. dealers.

## SAFETY INSTRUCTIONS

- 1. Keep body and clothing clear of moving parts.**
- 2. Hold crank firmly with both hands while opening and closing tarp.**
- 3. Place safety decals in visible locations. Replace worn or damaged decals.**

## TABLE OF CONTENTS

|   |       |
|---|-------|
| Hardware .....                                  | 1     |
| Tarp Inspection .....                           | 1     |
| Box Preparation.....                            | 1     |
| Aluminum & Stainless Steel End Cap Option.....  | 2     |
| Aluminum Easy-Off End Cap Option .....          | 3     |
| Fabric End Cap Option .....                     | 4-5   |
| Galvanized Steel End Cap Option.....            | 6     |
| Bow Quantity .....                              | 7     |
| Bow Cover Option .....                          | 7     |
| Standard Bow .....                              | 8     |
| Ridge Strap - Aluminum Cap Option .....         | 9     |
| Ridge Strap - Fabric Cap Option .....           | 10    |
| Ridge Rope Option - Value Series.....           | 11    |
| Tarp Inspection & Fixed Tube .....              | 12    |
| Replacement Parts .....                         | 13-14 |
| Roll Tube & U-Clamps .....                      | 15    |
| Standard Tarp Stop Option .....                 | 16    |
| Easy-Off Tarp Stop Option.....                  | 17    |
| Ridge Pole Option .....                         | 18    |
| Latch Plate.....                                | 19    |
| Stretch Cord Return Option.....                 | 20    |
| Shur-Return Option .....                        | 21    |
| Stretch Cords & Rope Anchors (Fabric Caps)..... | 22    |
| Standard Crank Option.....                      | 23    |
| Shur-Flex Crank Option.....                     | 24    |
| Crank Retainer .....                            | 25    |
| Rear Cable Return Option .....                  | 26    |
| Tarp Tension Adjustment .....                   | 27    |
| Crank Safety.....                               | 27    |
| Options & Upgrades .....                        | 28    |
| Operation & Maintenance.....                    | 28    |

## TOOLS REQUIRED

1. Welder
2. Hammer
3. #3 Phillips Screw Driver Bit
4. Air or Electric Impact Wrench with 9/16" Socket
5. 9/16" Combination Wrench
6. 13/32" Drill (for Std. 3/8" Bolts)
7. 11/32" Drill Bit (for Roll Return Eye Bolts)
8. 3/16" Drill Bit (for Stretch Cords)
9. 5/16" Drill Bit (for 3/8" Self-Tapping Screws & Snap Ring)
10. 3/8" Drill Bit (for regular 3/8" Hex Bolts)
11. C-Clamps
12. 9/64" Drill Bit (for Roll Return #8 Self-Tapping Screw)
13. 1/4" Drill Bit (for 5/16" Self-Tapping Screws & 1/4" Rivet Drive)
14. 9/64" Drill Bit (for #8 Self-Tapping Screws)

## HARDWARE IDENTIFICATION

**A**



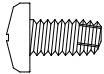
1701423 - Set Screw, #10 x 3/16"

**B**



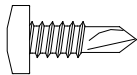
1700084 - Self-Tapping Screw, #8 x 3/8"

**C**



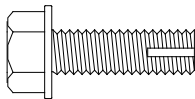
1700736 - Self-Tapping Screw, 1/4" x 1/2"

**D**



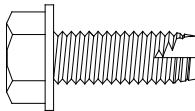
1700398 - Self-Drilling Screw, 1/4" x 3/4"

**E**



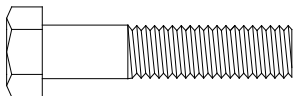
1701059 - Self-Tapping Screw, 5/16" x 1"

**F**



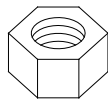
1700400 - Self-Tapping Screw, 3/8" x 1"

**G**



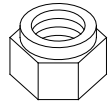
1700369 - Cap Screw, 3/8" x 1 3/4"

**H**



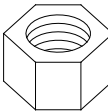
1700411 - Hex Nut, 5/16"

**J**



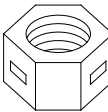
1700419 - Nylon Lock Nut, 5/16"

**K**



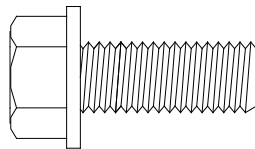
1700407 - Hex Nut, 3/8"

**L**



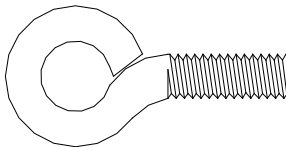
1700418 - Centerlock Hex Nut, 3/8"

**M**



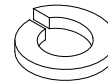
1702996 - Cap Screw, 1/2" x 1 1/4"

**N**



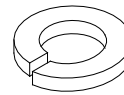
1700717 - Eyebolt, 5/16"

**P**



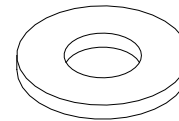
1700433 - Lock Washer, 5/16"

**R**



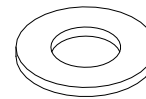
1700434 - Lock Washer, 3/8"

**S**



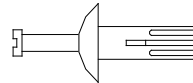
1703373 - Flat Washer, 1/2"

**T**



1701176 - Flat Washer, 3/8"

**U**



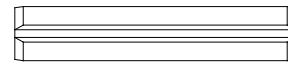
1700474 - Drive Rivet, 1/4" x 3/4"

**V**



1701118 - Spring Pin, 1/4" x 1 3/16"

**W**



1700443 - Spring Pin, 3/8" x 2"

**NOTE:** Throughout this manual, where 3/8" x 1" self-tapping screws **F** are used with lock washers **P** and nuts **H**, use washers and nuts if possible, and drill 13/32" holes. Self-tapping screws used without washers and nuts require a minimum wall thickness of 3/16". Drill 5/16" holes.

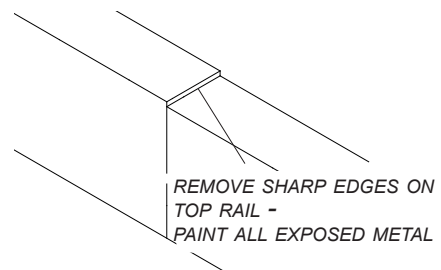
## TARP INSPECTION

**Tarp length:** Determine tarp length with slight tension applied. Compare actual tarp length with length stated on sheet attached to tarp. If tarp length does not match length on sheet, do not proceed. Call your local dealer, or call Shur-Co Customer Service at 1-866-748-7435.

## BOX PREPARATION

Prepare your box, before installing your Shur-Lok tarping system. Remove or grind any sharp edges smooth to prevent tarp damage.

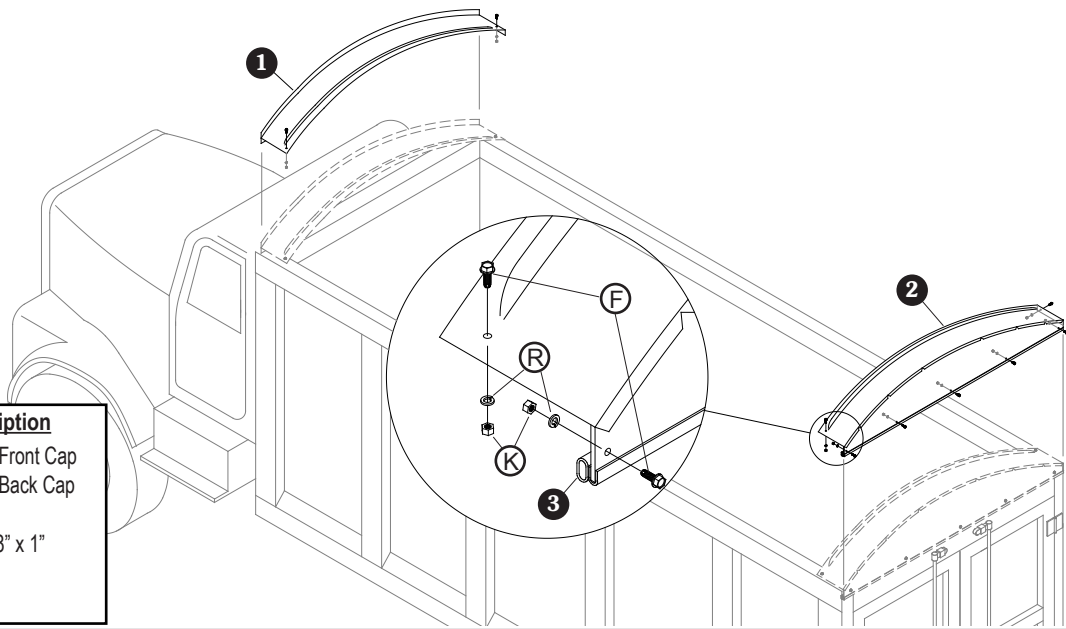
To prevent rust, paint all exposed metal, such as weld seams, and/or metal exposed by grinding or cutting, with corrosion resistant paint.



REMOVE SHARP EDGES ON TOP RAIL - PAINT ALL EXPOSED METAL

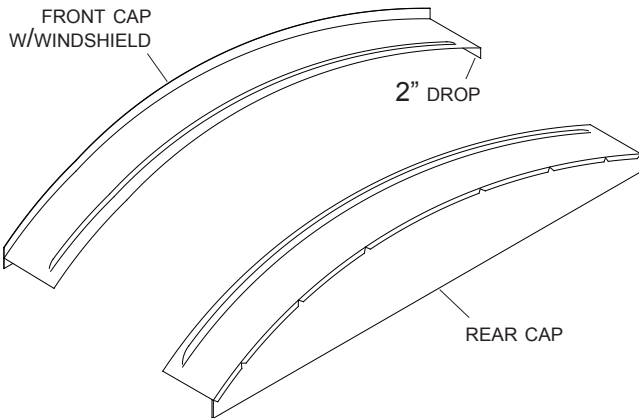
**CAUTION** Box extensions (tip tops), if used, must be secured to truck box. System could blow off if box extensions are not secured to box.

# ALUMINUM & STAINLESS STEEL END CAP OPTION



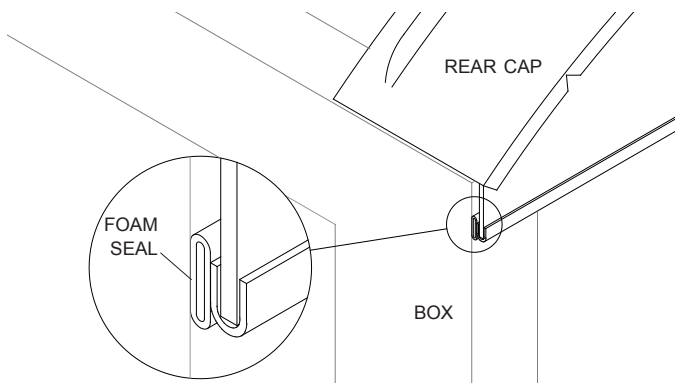
| Item | Part #  | Description                   |
|------|---------|-------------------------------|
| 1.   | _____   | Aluminum Front Cap            |
| 2.   | _____   | Aluminum Back Cap             |
| 3.   | 1100165 | Trim Seal                     |
| F.   |         | Self-Tapping Screw, 3/8" x 1" |
| K.   |         | Hex Nut, 3/8"                 |
| R.   |         | Lock Washer, 3/8"             |

**STEP 1: Modify caps to fit:** Place front cap with windshield on front of box. Place rear cap on rear of box. Modify caps to fit your box if required.

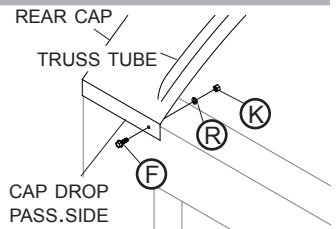


**NOTE:** To install your tarp to open from the passenger's side of the trailer (reverse roll), remove the 2" drop on the passenger side of the cap prior to installation.

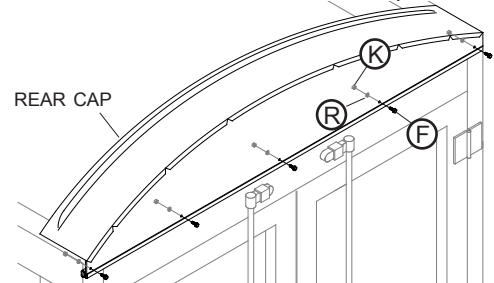
**STEP 2: Trim seal:** Apply trim seal to caps, placing foam seal on inside of caps. Tap into place.



**STEP 3: Install caps:** Drill 5/16" hole and fasten screw **F** on cap drop near truss tube. Use lock washer **R**, and nut **K** where possible.



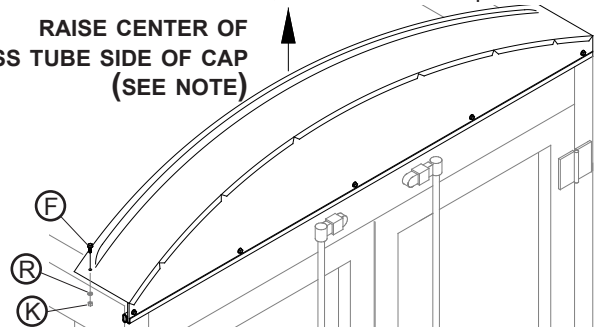
**STEP 4:** Evenly space five screws across face of cap. Mark and drill 5/16" holes, and fasten with screws **F**. Use lock washers **R**, and nuts **K** where possible.



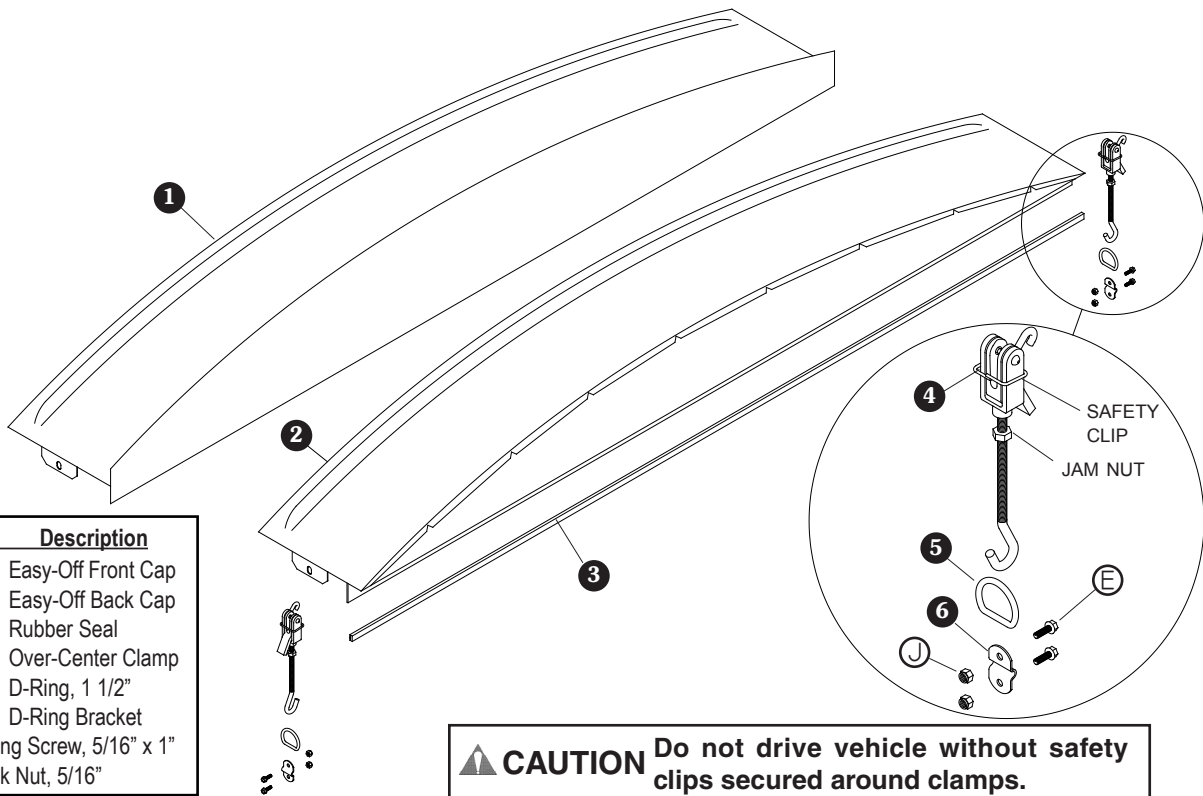
**NOTE:** For optimal water run-off and tarp support, make sure end caps are level before fastening sides of caps to box. While fastening sides of caps to box, raise the center of the truss tube side of the cap to be level with, or slightly higher than the outside edge.

**STEP 5:** Drill 5/16" hole as close as possible to truss tube on driver's side of cap. Fasten cap to rail with screw **F**. Use lock washer **R**, and nut **K** where possible.

**RAISE CENTER OF TRUSS TUBE SIDE OF CAP (SEE NOTE)**



# ALUMINUM EASY-OFF END CAP OPTION



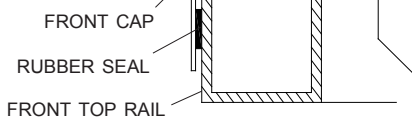
| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   |         | Easy-Off Front Cap             |
| 2.   |         | Easy-Off Back Cap              |
| 3.   | 1701115 | Rubber Seal                    |
| 4.   | 1701113 | Over-Center Clamp              |
| 5.   | 1701218 | D-Ring, 1 1/2"                 |
| 6.   | 1701114 | D-Ring Bracket                 |
| E.   |         | Self-Tapping Screw, 5/16" x 1" |
| J.   |         | Nylon Lock Nut, 5/16"          |

**CAUTION** Do not drive vehicle without safety clips secured around clamps.

**STEP 1:** Deburr rough edges on truck and clean area thoroughly before applying rubber seal.

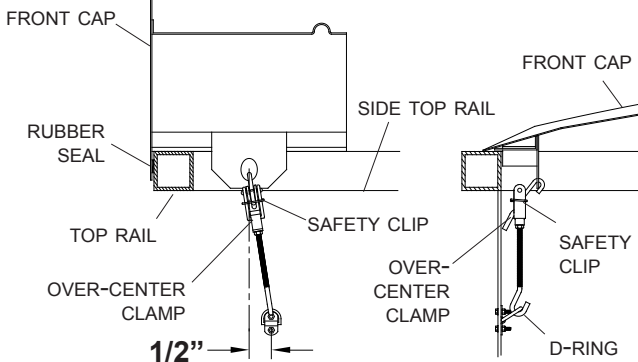
**STEP 2:** Apply rubber seal to front cap (with 2" windshield).

**STEP 3:** Place front cap on box.



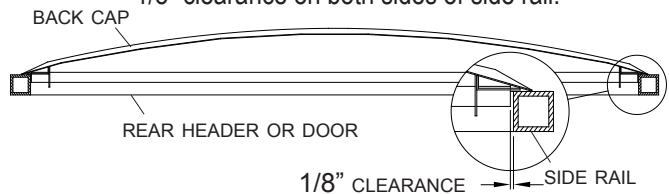
**NOTE:** Do not apply rubber seal in temperatures below 60°F or above 100°F or adhesive may fail. Apply seal without stretching.

**STEP 4:** Locate clamps in area free from obstructions. Offset D-ring 1/2" from center of cap.



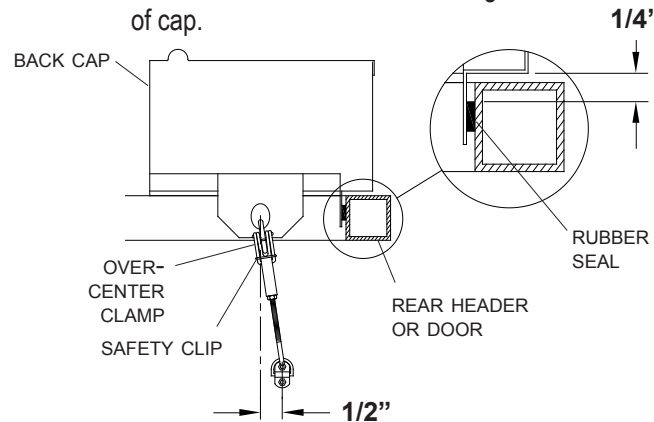
**STEP 5:** Mark and drill 1/4" holes. Fasten D-ring plates to box with screws E, and nuts J. Tighten jam nut against clamp body and position safety clip.

**STEP 6:** Place rear cap on box. Notch inside drop to allow 1/8" clearance on both sides of side rail.



**STEP 7:** Remove cap, apply rubber seal 1/4" down from flat portion of cap above drop.

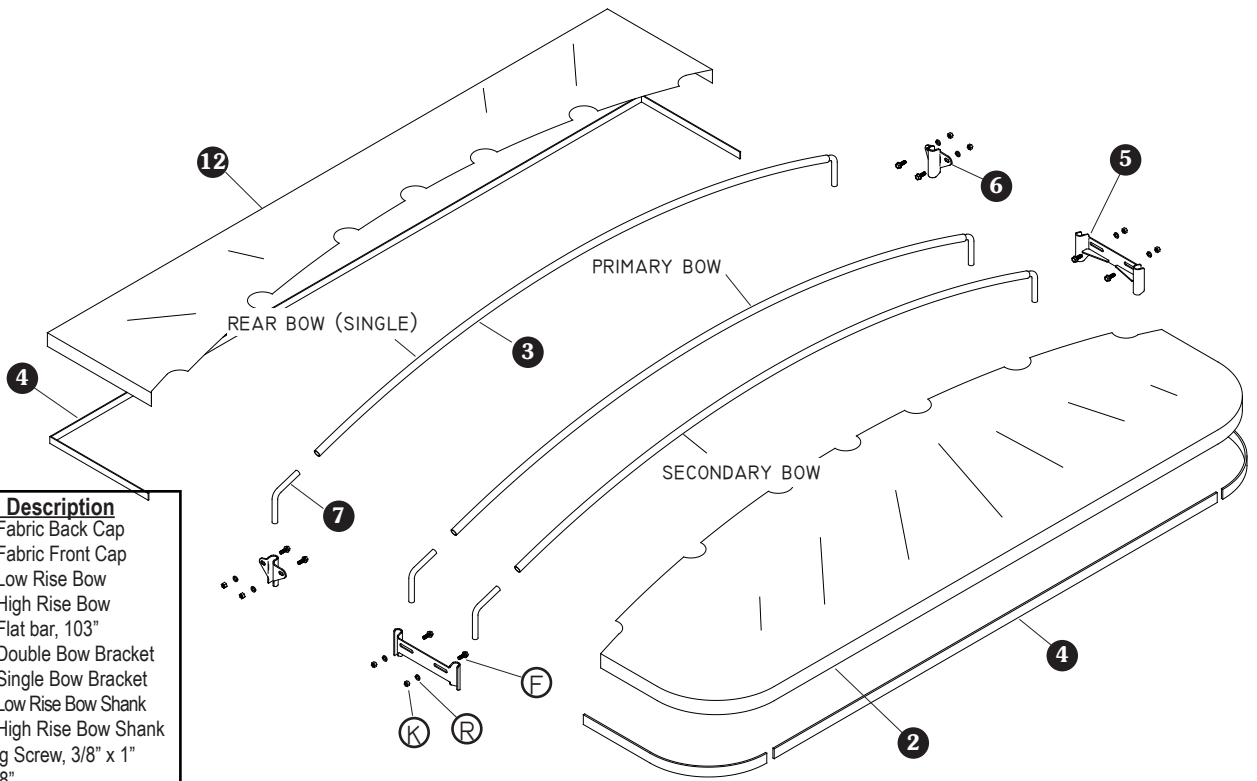
**STEP 8:** Replace cap, locate over-center clamps in area free from obstructions, and offset D-ring 1/2" from center of cap.



**STEP 9:** Mark and drill 1/4" holes. Fasten D-ring plate to box with screws E, and nuts J. Tighten jam nut against clamp body and position safety clip.



## FABRIC END CAP OPTION

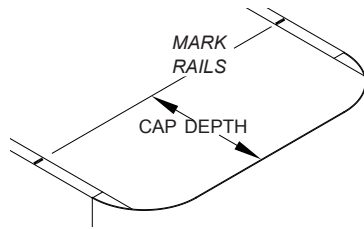


| Item | Part #  | Description                   |
|------|---------|-------------------------------|
| 1.   |         | Fabric Back Cap               |
| 2.   |         | Fabric Front Cap              |
| 3.   | 1100760 | Low Rise Bow                  |
|      | 1100762 | High Rise Bow                 |
| 4.   | 1700581 | Flat bar, 103"                |
| 5.   | 1108211 | Double Bow Bracket            |
| 6.   | 1107009 | Single Bow Bracket            |
| 7.   | 1100695 | Low Rise Bow Shank            |
|      | 1106925 | High Rise Bow Shank           |
| F.   |         | Self-Tapping Screw, 3/8" x 1" |
| K.   |         | Hex Nut, 3/8"                 |
| R.   |         | Lock Washer, 3/8"             |

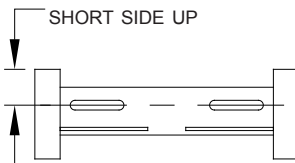
### FRONT CAP

**STEP 1:** Measuring from front of box, mark cap depth on both top rails per cap depth listed on cap tag.

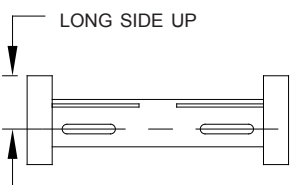
**NOTE:** If fabric cap depth does not match cap depth listed on cap tag, do not proceed. Contact Shur-Co. for further instructions.



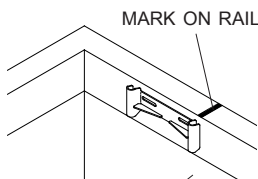
**STEP 2:** 1 1/2" - 3" wide rails:  
Position double bow brackets with short side up.



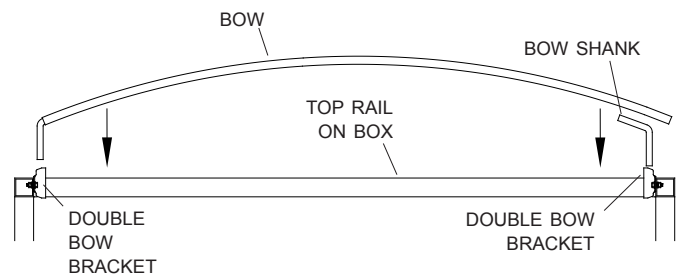
3" - 6" wide rails:  
Position double bow brackets with long side up.



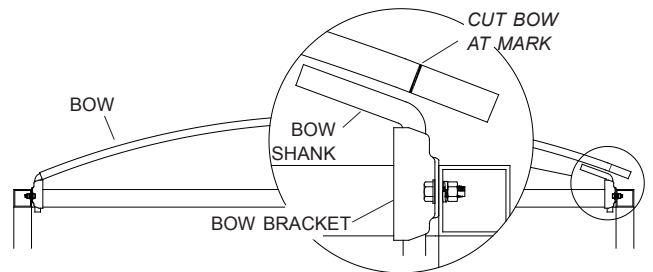
**STEP 3:** Position double bow brackets on rails with second mounting cavities centered on marks. Clamp brackets to rails.



**STEP 4:** Place bow into bow bracket. Place loose bow shank in opposite bow bracket.



**STEP 5:** Align bow with bow shank. Mark bow at point where bend starts on shank. Cut both bows to this length.

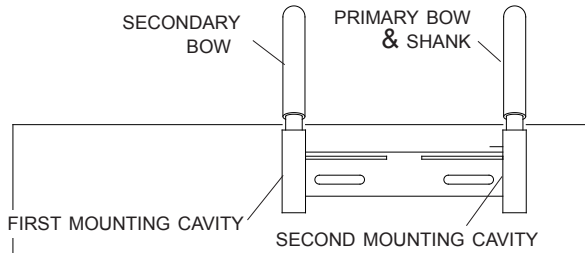


**NOTE:** Cut bows to exact length. If bows are too short, and not welded to the shank, pressure from the tarp will flatten the arch in the bow.

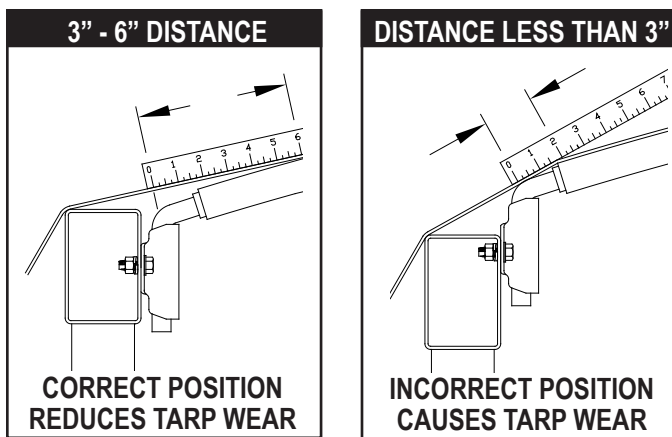


## FABRIC END CAP OPTION - (Cont.)

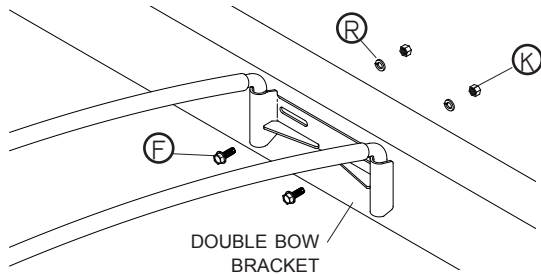
**STEP 6:** Weld bow shank into secondary bow, leaving primary bow and shank unwelded. Insert secondary bow into first mounting cavities in bow brackets, and primary bow and shank into second mounting cavities.



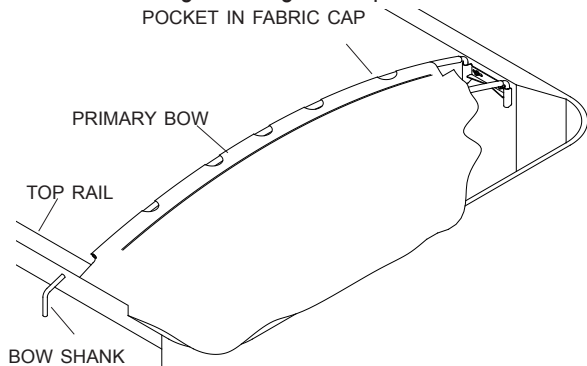
**STEP 7:** Adjust bow brackets vertically to allow 3" - 6" between the bend in the bow shank and the point where the tarp will contact the bow.



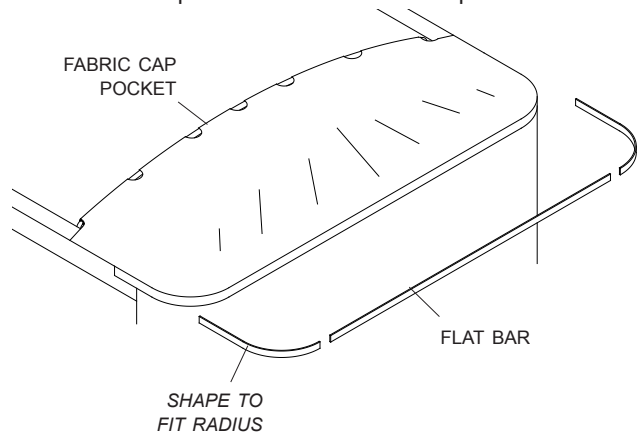
**STEP 8:** Mark and drill 5/16" holes, mount brackets with screws (F), washers (R), and nuts (K).



**STEP 9:** Remove primary bow shank from bow bracket and bow. Install fabric cap onto bow. Replace shank into bow and bow bracket. Allow front and sides of fabric cap to hang over edges of top rail on front of box.



**STEP 10:** Cut aluminum flat bar sections 1/2" shorter than pocket lengths. Insert sections into fabric cap pocket. Shape to fit corner radius if required.



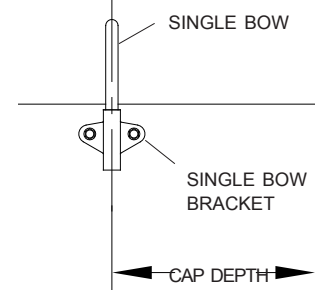
**TIPS -** Use one piece across straight portion on front of cap. Side and radius may be one piece. Use as few pieces as possible. Supply even tension over fabric cap for secure and clean fit.

**NOTE:** Shock cords and rope anchors will be installed after the tarp and latch plate. DO NOT install at this time.

### REAR CAP

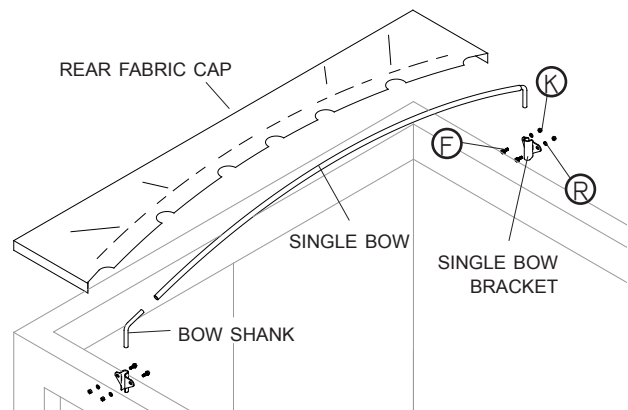
**STEP 11:** Install rear fabric cap at rear of box. Follow steps 1 through 10 for front caps, except install single bow bracket and single bow instead of double bow bracket and double bows.

**NOTE:** Install single bow bracket in same orientation as double bow bracket used on front cap.



**STEP 12:** Install rear fabric cap in the same way front cap was installed, using single bow brackets, and one bow. Do not weld loose bow shank to bow.

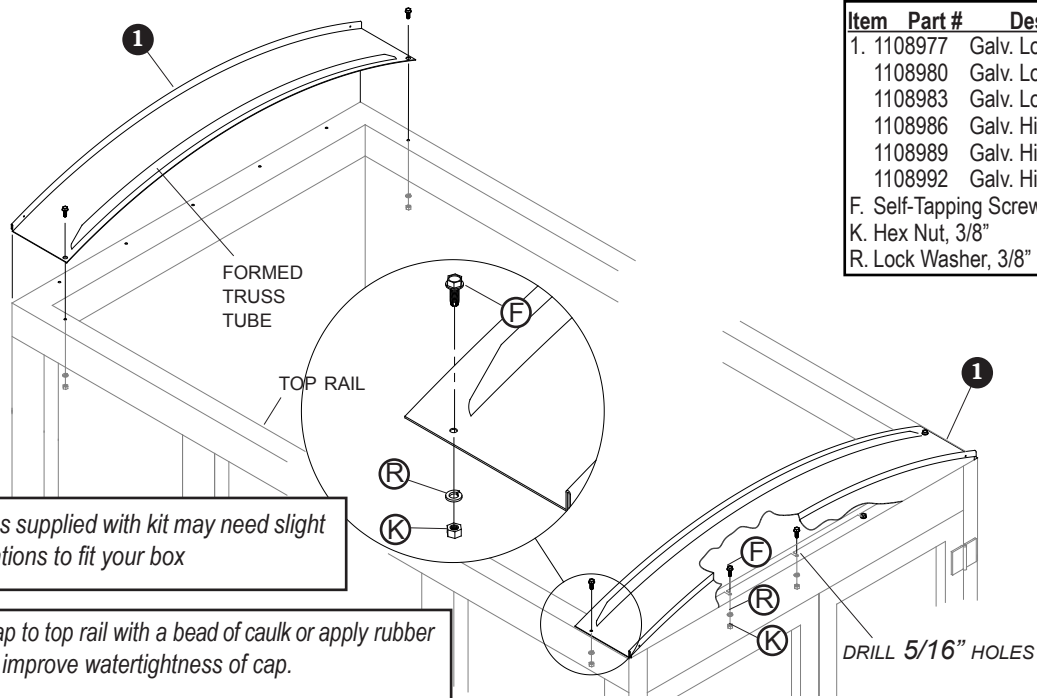
**NOTE:** Cut bow to exact length - see step 5.





# GALVANIZED STEEL END CAP OPTION

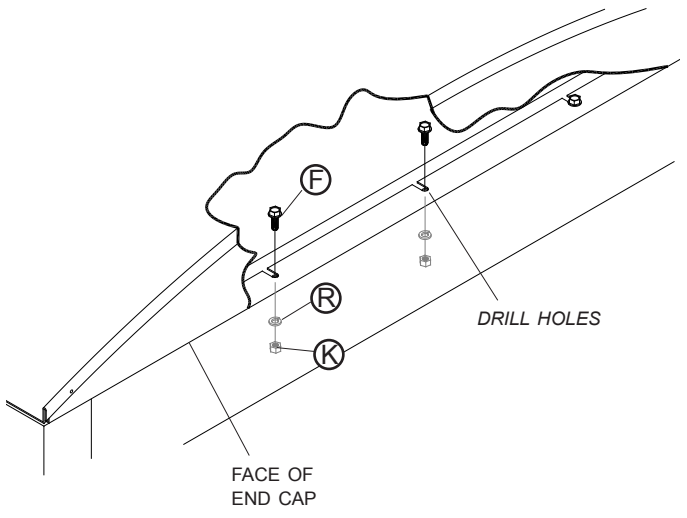
| Item | Part #  | Description                   |
|------|---------|-------------------------------|
| 1.   | 1108977 | Galv. Low Rise Cap, 93"       |
|      | 1108980 | Galv. Low Rise Cap, 95"       |
|      | 1108983 | Galv. Low Rise Cap, 100"      |
|      | 1108986 | Galv. High Rise Cap, 93"      |
|      | 1108989 | Galv. High Rise Cap, 95"      |
|      | 1108992 | Galv. High Rise cap, 100"     |
|      | F.      | Self-Tapping Screw, 3/8" x 1" |
|      | K.      | Hex Nut, 3/8"                 |
|      | R.      | Lock Washer, 3/8"             |



**NOTE:** End caps supplied with kit may need slight modifications to fit your box

**TIP** Seal cap to top rail with a bead of caulk or apply rubber seal to improve watertightness of cap.

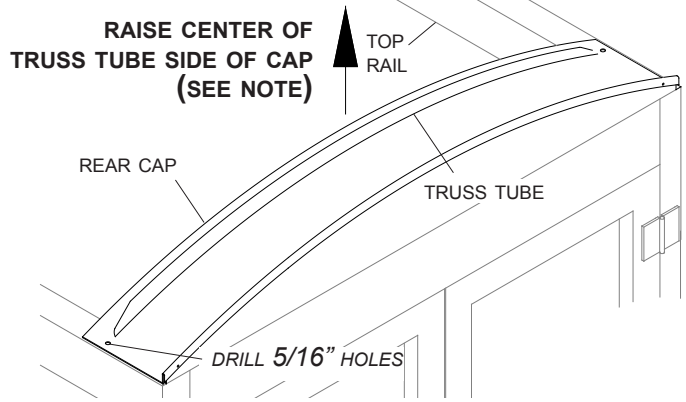
**STEP 1:** Center end cap on box and mark hole locations on top rail according to slots in cap.



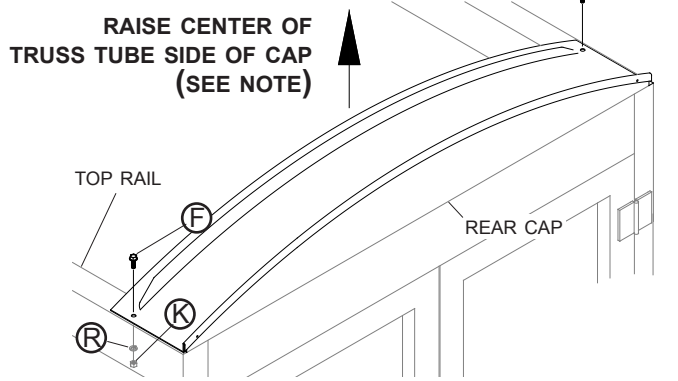
**STEP 2:** Drill 5/16" holes into marked locations on top rail. Fasten with screws F. Use lock washers R, and nuts K where possible.

**STEP 3:** Drill two 5/16" holes, as close as possible to truss tube, through cap and into top rail.

**NOTE:** For optimal water run-off and tarp support, make sure end caps are level before fastening sides of caps to box. While fastening sides of caps to box, raise the center of the truss tube side of the cap to be level with, or slightly higher than the outside edge.



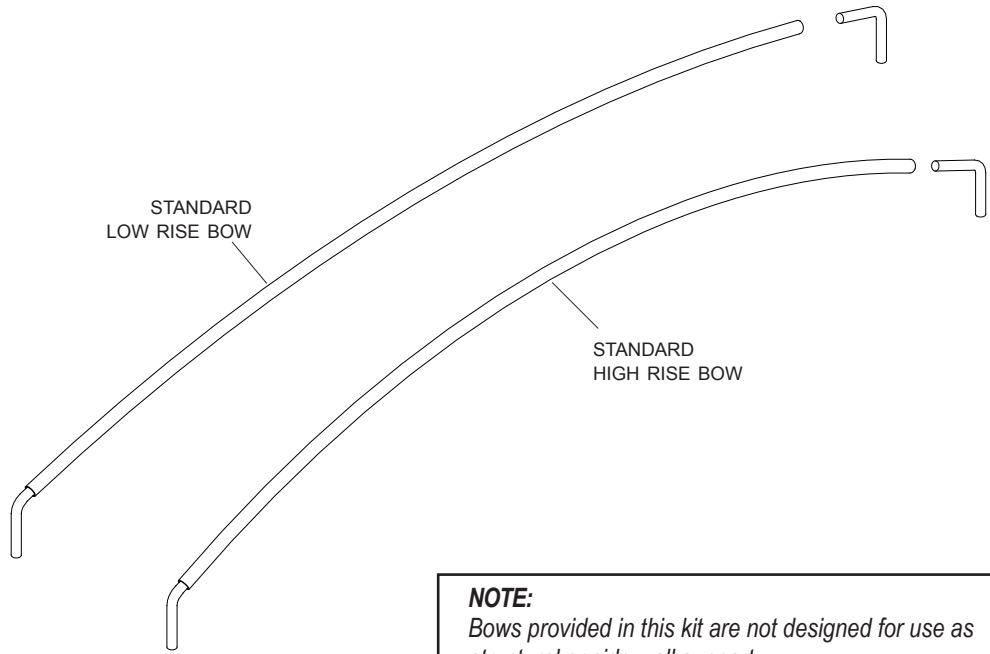
**STEP 4:** Fasten cap to top rail with screws F. Use lock washers R, and nuts K where possible.



## BOW QUANTITY

| FARM TRUCK |          |
|------------|----------|
| Box Size   | Bow Qty. |
| 10' - 14'  | 2        |
| 15' - 18'  | 3        |
| 19' - 22'  | 4        |
| 23' - 24'  | 5        |

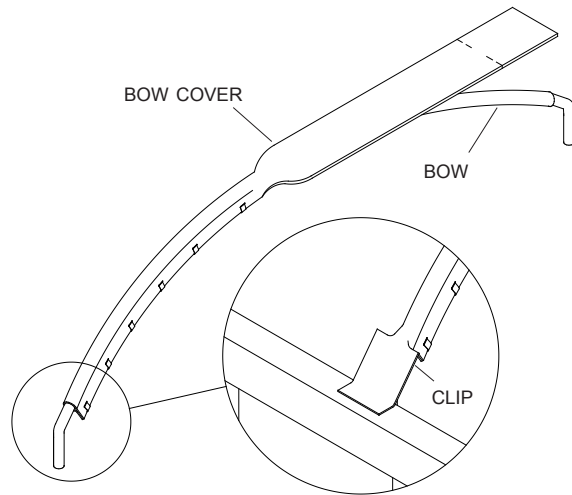
| SEMI TRAILER |          |
|--------------|----------|
| Box Size     | Bow Qty. |
| 25' - 26'    | 5        |
| 27' - 30'    | 6        |
| 31' - 34'    | 7        |
| 35' - 38'    | 8        |
| 39' - 43'    | 9        |
| 44' - 46'    | 10       |
| 47' - 50'    | 11       |
| 51' - 54'    | 12       |



**NOTE:**  
Bows provided in this kit are not designed for use as structural or side wall support.

## BOW COVER OPTION

Wrap vinyl coated bow covers around bows to reduce tarp wear and grain splatter.

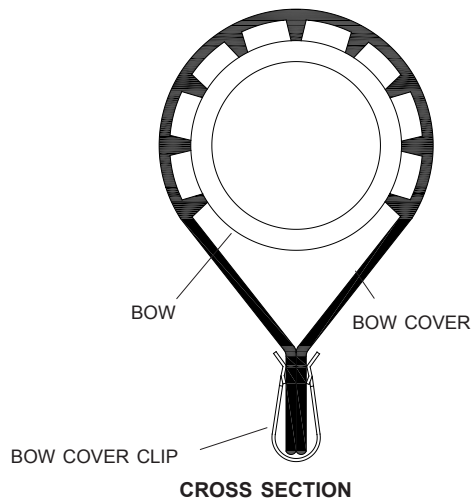


- 1106732 Standard Bow Cover, 102" w/Clips
- 1107177 X-Wide Bow Cover, 120" w/Clips
- 1701234 Bow Cover Clip

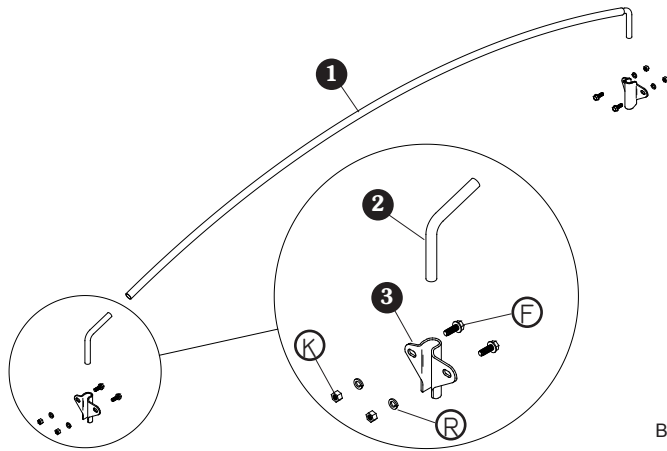
**STEP A:** After installing bows, cut bow covers to fit bows.

**TIP -** Bow covers are pre-cut extra long. Trim bow covers to overlap top rail and protect tarp from wearing on top rail and bow brackets.

**STEP B:** Place cover over bow and align lower edges of cover. Install first bow cover clip about 4" from edge. Install remaining bow cover clips along lower edges of bow cover every 8" apart.



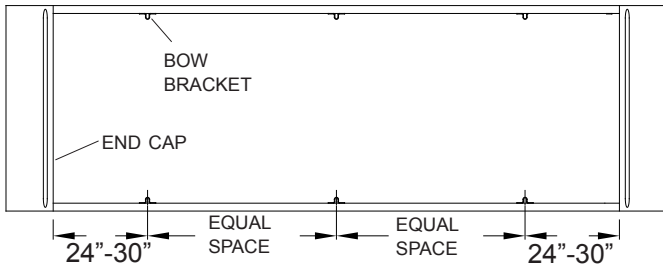
# STANDARD BOWS



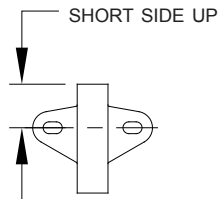
| Item | Part #  | Description                   |
|------|---------|-------------------------------|
| 1.   | 1100760 | Std. Low Rise Bow             |
|      | 1100762 | Std. High Rise Bow            |
|      | 1109149 | Std. Flat Bow                 |
| 2.   | 1100695 | Std. Low Rise Bow Shank       |
|      | 1106925 | Std. High Rise Bow Shank      |
|      | 1109150 | Std. Flat Bow Shank           |
| 3.   | 1107009 | Single Bow Bracket            |
|      | 1115702 | Universal Bow Bracket         |
|      | F.      | Self-Tapping Screw, 3/8" x 1" |
|      | K.      | Hex Nut, 3/8"                 |
|      | R.      | Lock Washer, 3/8"             |

UNIVERSAL BOW BRACKET

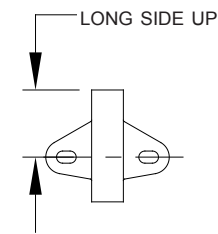
**STEP 1:** Mark bow bracket locations on top rails, between end caps as shown.



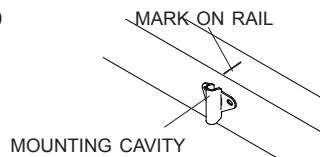
**STEP 2:** 1 1/2" - 3" Wide Rails:  
Position single bow brackets with short side up.



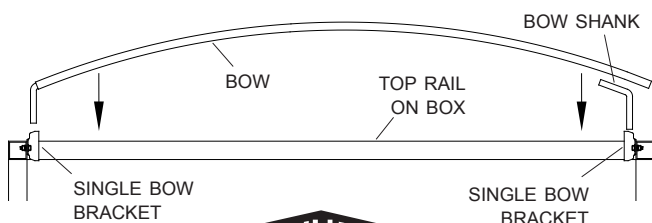
3" - 6" Wide Rails:  
Position single bow brackets with long side up.



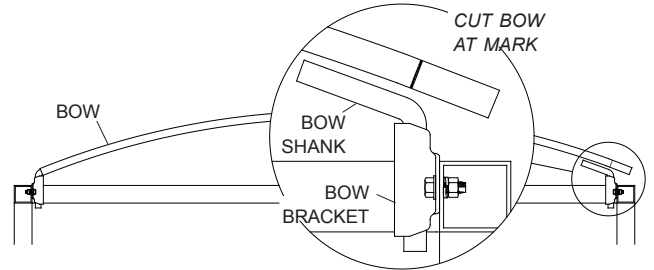
**STEP 3:** Align center of brackets with mark. Clamp brackets to rails.



**STEP 4:** Place bow into bow bracket. Place loose bow shank in opposite bow bracket.

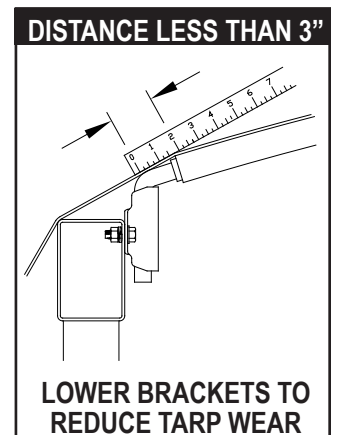
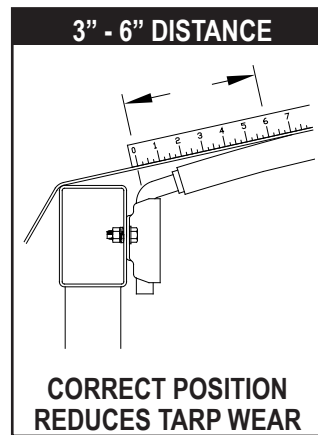


**STEP 5:** Align bow with bow shank. Mark and cut bow at point where bend starts on shank. Grind edges smooth, and weld shank to bow.

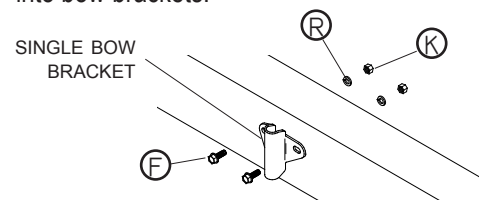


**NOTE:** Shanks must be welded to bows.

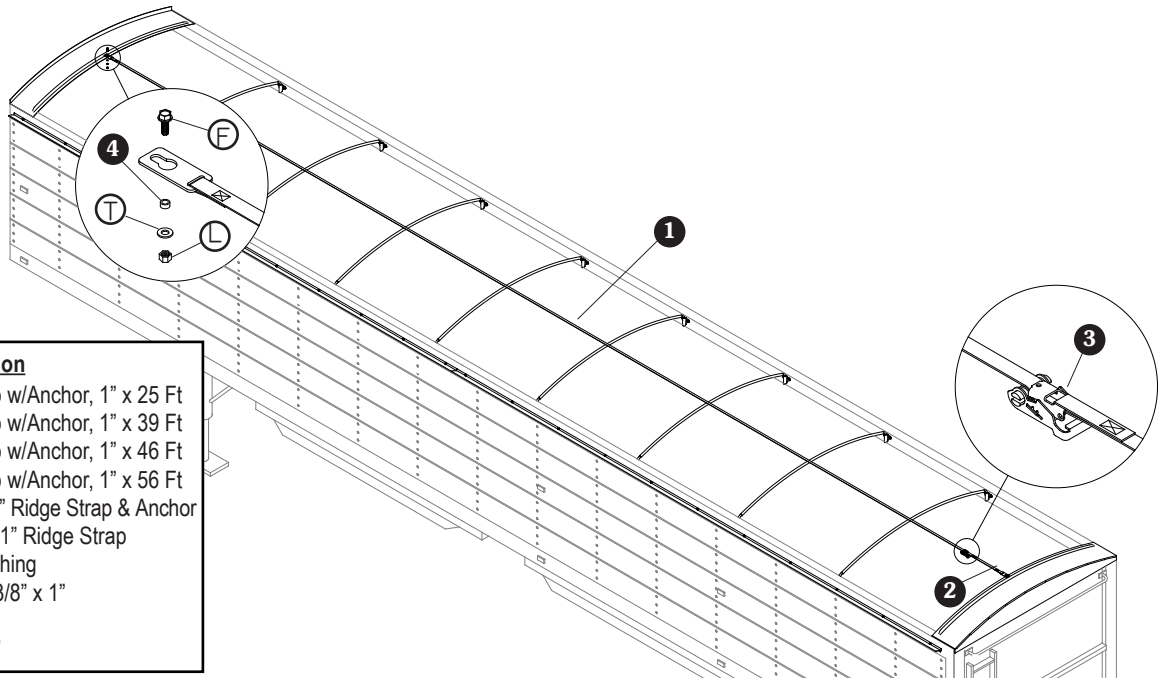
**STEP 6:** Adjust bow brackets vertically to allow 3" - 6" between the bend in the bow shank and the point where the tarp will contact the bow.



**STEP 7:** Mark and drill 5/16" holes, mount brackets with screws **F**, washers **R**, and nuts **K**. Install bows into bow brackets.

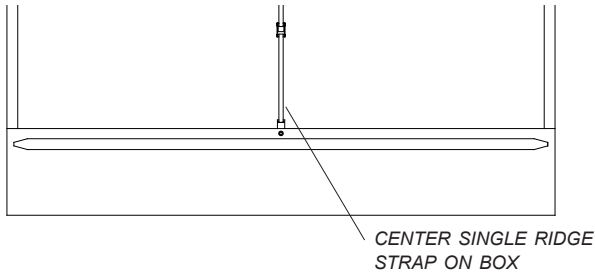


# RIDGE STRAP OPTION - ALUMINUM CAPS

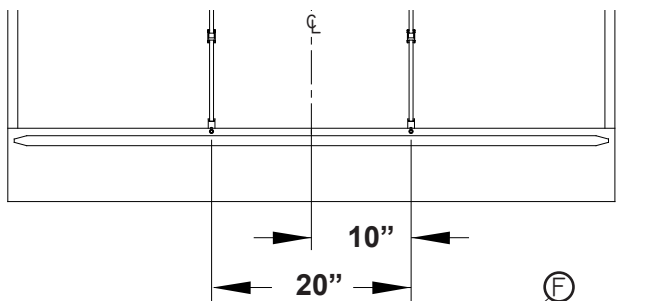


| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1101680 | Ridge Strap w/Anchor, 1" x 25 Ft  |
|      | 1101681 | Ridge Strap w/Anchor, 1" x 39 Ft  |
|      | 1101682 | Ridge Strap w/Anchor, 1" x 46 Ft  |
|      | 1107066 | Ridge Strap w/Anchor, 1" x 56 Ft  |
| 2.   | 1101678 | Ratchet w/1" Ridge Strap & Anchor |
| 3.   | 1700836 | Ratchet for 1" Ridge Strap        |
| 4.   | 1101683 | Anchor Bushing                    |
| F.   |         | Self-Tapping Screw, 3/8" x 1"     |
| T.   |         | Flat Washer, 3/8"                 |
| L.   |         | Center Lock Nut, 3/8"             |

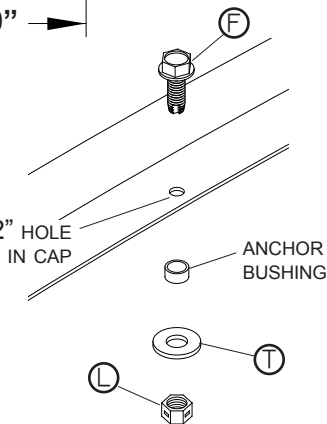
**STEP 1a: One ridge strap:** Mark and drill 13/32" holes at center of front and rear end caps between truss tube and edge.



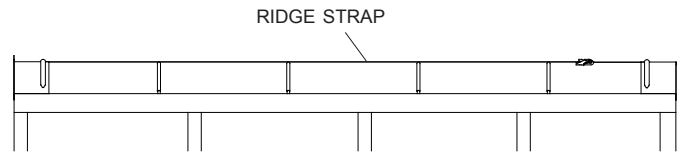
**STEP 1b: Two ridge straps:** Mark and drill 13/32" holes 10" from each side of center of front and rear end caps.



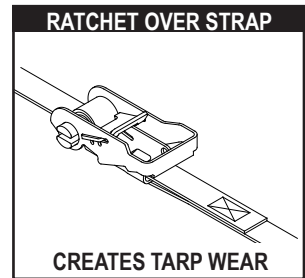
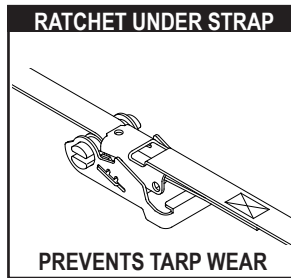
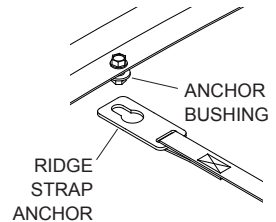
**STEP 2:** Mount anchor bushings with screws **F**, washers **T**, 13/32" HOLE IN CAP and nuts **L**.



**STEP 3:** Install ridge strap over bows.

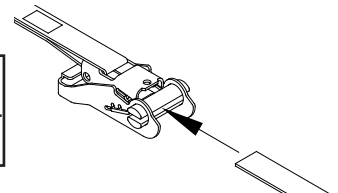


**STEP 4:** Hook ridge strap anchors to anchor bushings on front and rear end caps. Position ratchet below strap to prevent tarp wear (see below).



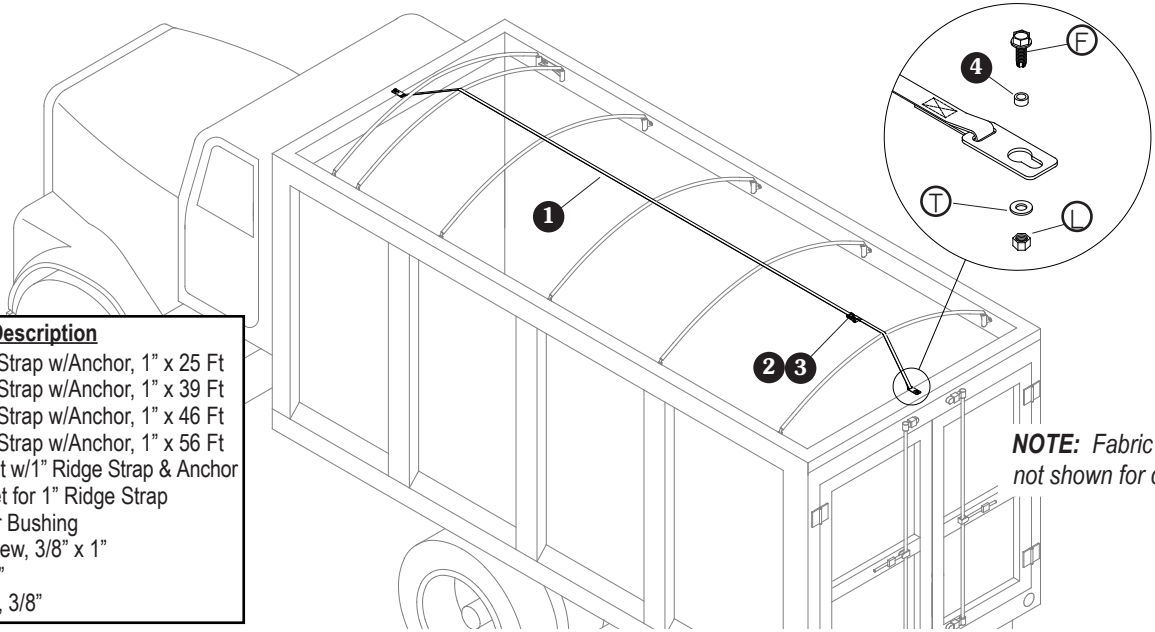
**STEP 5:** Thread strap through ratchet and tighten.

**NOTE:** Keep ridge straps tight for adequate tarp support. Check tension regularly.



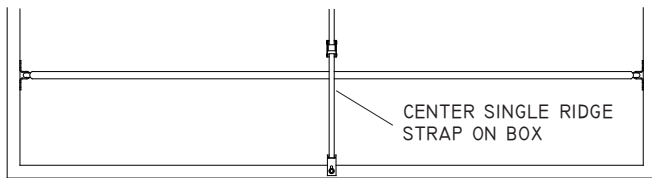
## RIDGE STRAP OPTION - FABRIC CAPS

| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1101680 | Ridge Strap w/Anchor, 1" x 25 Ft  |
|      | 1101681 | Ridge Strap w/Anchor, 1" x 39 Ft  |
|      | 1101682 | Ridge Strap w/Anchor, 1" x 46 Ft  |
|      | 1107066 | Ridge Strap w/Anchor, 1" x 56 Ft  |
| 2.   | 1101678 | Ratchet w/1" Ridge Strap & Anchor |
| 3.   | 1700836 | Ratchet for 1" Ridge Strap        |
| 4.   | 1101683 | Anchor Bushing                    |
| F.   |         | Self-Tapping Screw, 3/8" x 1"     |
| T.   |         | Flat Washer, 3/8"                 |
| L.   |         | Center Lock Nut, 3/8"             |

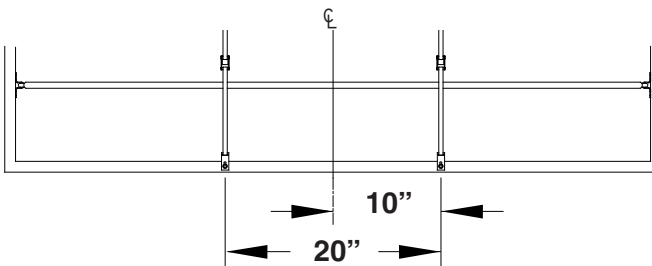


**NOTE:** Fabric caps not shown for clarity.

**STEP 1a: One ridge strap:** Mark and drill holes at center of front and back top rails on box.

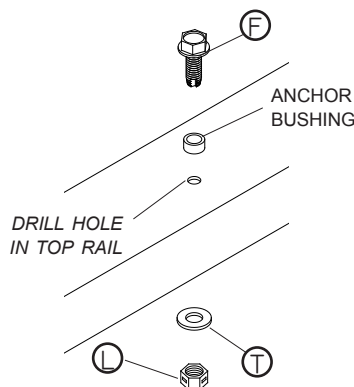


**STEP 1b: Two ridge straps:** Mark and drill holes 10" from each side of center of front and rear top rails.

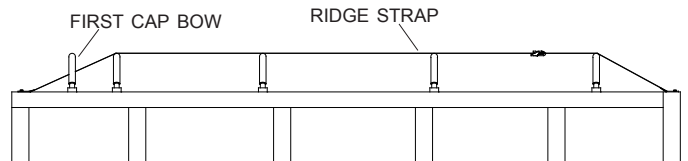


**NOTE:** Use washers and nuts where needed, and drill 13/32" holes. If using self-tapping screws only, drill 5/16" holes.

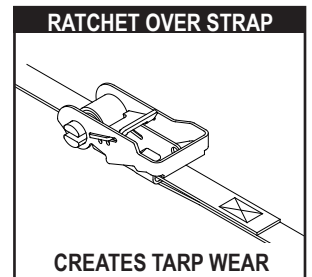
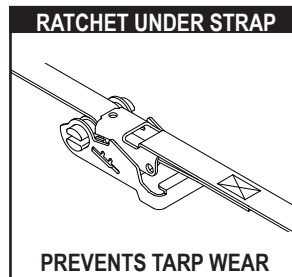
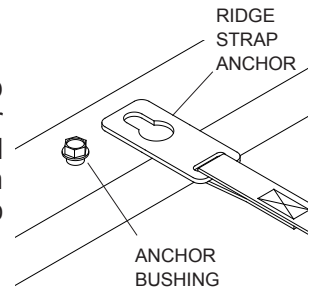
**STEP 2:** Mount anchor bushings with screws **F**, washers **T**, and nuts **L**.



**STEP 3:** Install ridge strap under first cap bow, through slot in fabric cap, and over remaining bows.

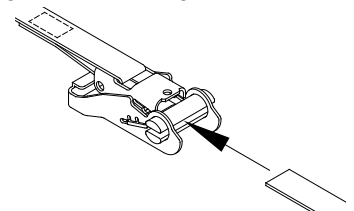


**STEP 4:** Hook ridge strap anchors on to anchor bushings on front and rear top rails. Position ratchet below strap to prevent tarp wear.

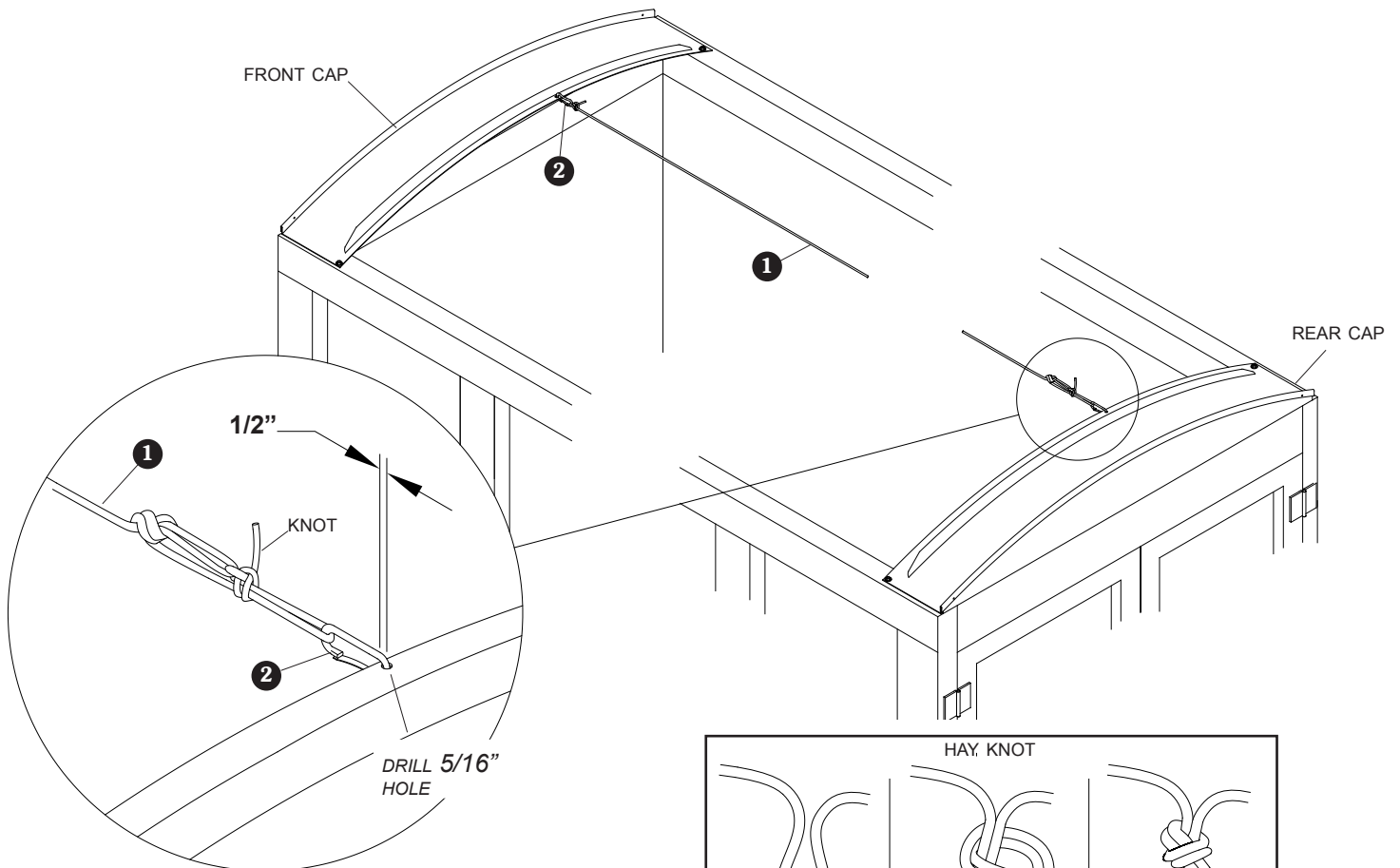


**STEP 5:** Thread strap through ratchet and tighten.

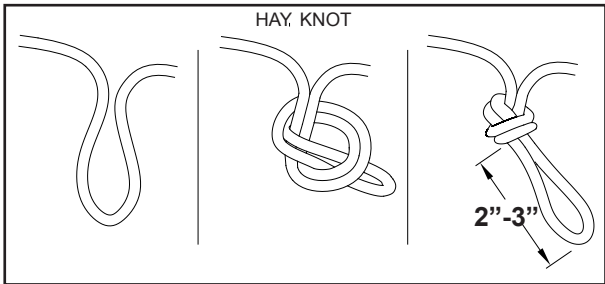
**NOTE:** Keep ridge straps tight for adequate tarp support. Check tension regularly.



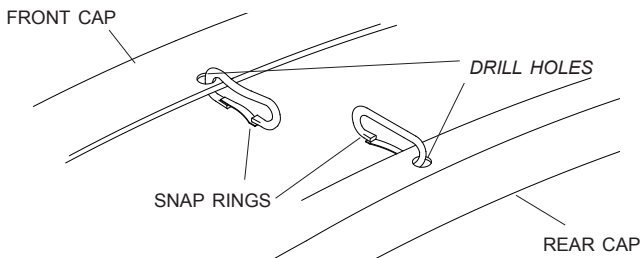
# RIDGE ROPE OPTION - VALUE SERIES



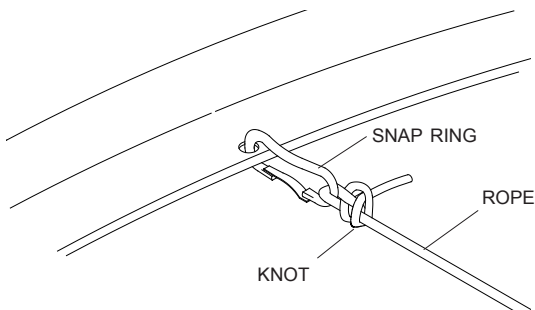
| Item | Part #  | Description                  |
|------|---------|------------------------------|
| 1.   | 1108574 | Solid Braid 1/4" Rope, 30 Ft |
|      | 1108958 | Solid Braid 1/4" Rope, 50 Ft |
| 2.   | 1700666 | Wire Snap Ring               |



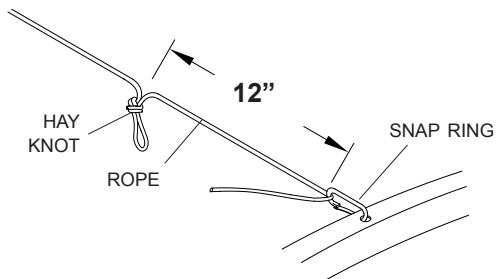
**STEP 1:** Drill 5/16" holes in centers of caps as shown and clip snap rings into holes.



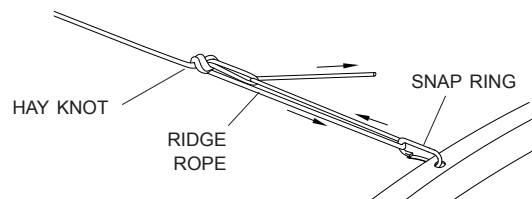
**STEP 2:** Slip end of rope through snap ring on front end cap and secure with knot.



**STEP 3:** Tie hay knot with 2-3" loop 12" from rear snap ring.



**STEP 4:** Slip rope through snap ring on rear cap, then through hay knot.

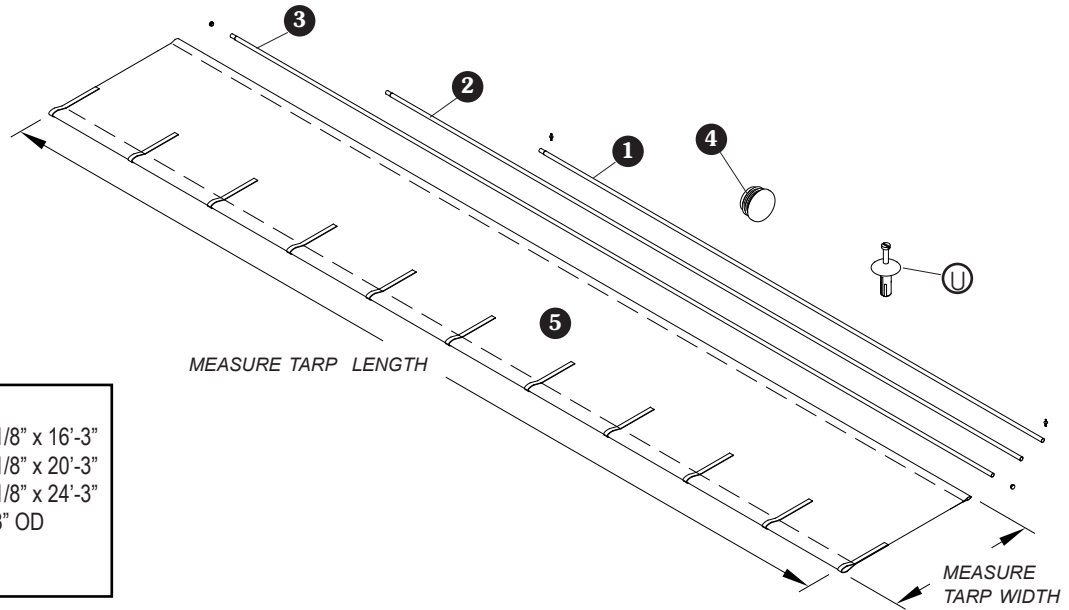


**STEP 5:** Pull rope tight and secure with knot.

**NOTE:** Keep ridge rope tight for adequate tarp support. Check tension regularly.



## TARP INSPECTION & FIXED TUBE

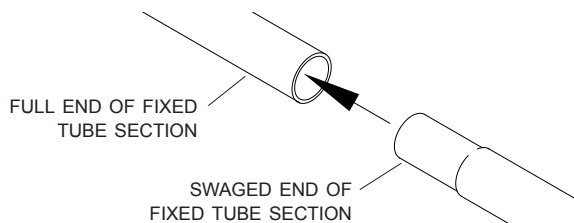


| Item | Part #  | Description                 |
|------|---------|-----------------------------|
| 1.   | 1700051 | Fixed Tube, 1 1/8" x 16'-3" |
| 2.   | 1700049 | Fixed Tube, 1 1/8" x 20'-3" |
| 3.   | 1701428 | Fixed Tube, 1 1/8" x 24'-3" |
| 4.   | 1700523 | End Plug, 1 1/8" OD         |
| 5.   |         | Tarp                        |
|      | U.      | Drive Rivet, 1/4" x 3/4"    |

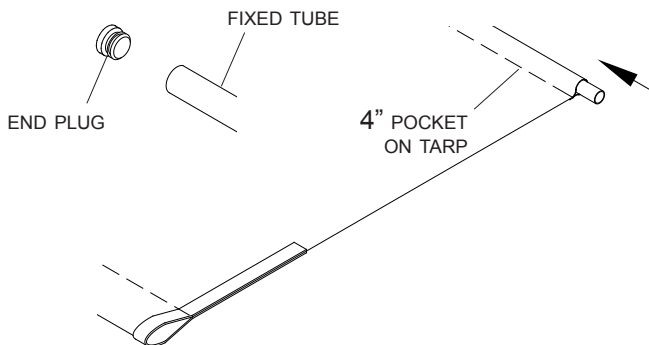
**STEP 1:** Open tarp, and stretch tight. Measure, and compare tarp measurements with those on spec sheet attached to tarp. Do not proceed with installation if tarp measurements do not match measurements specified on sheet. Call Shur-Co. or your local dealer for alterations or a replacement tarp.

**NOTE:** Tarps cannot be returned for free replacement beyond this point. Tarps damaged beyond this point may be returned for repair or replacement at owner's expense.

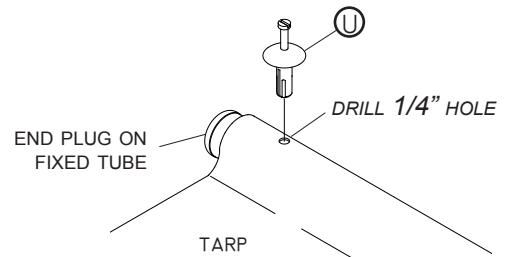
**STEP 2:** For boxes over 24 ft, insert swaged end of fixed tube section into full end of second tube section. Align tubes, weld, and grind smooth.



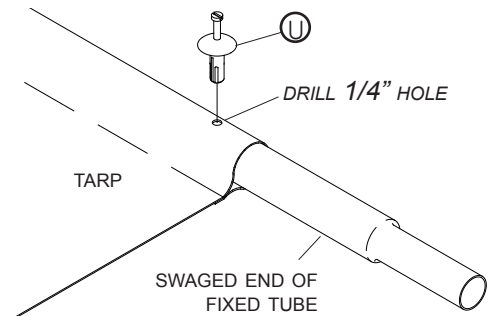
**STEP 3:** Install end plug into full end of tube weldment. Insert tube, end plug first, into 4" pocket on tarp.



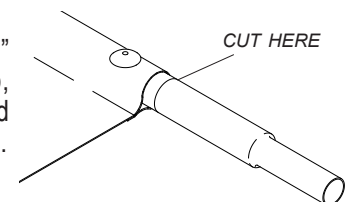
**STEP 4:** Extend fixed tube 1/4" past tarp edge, drill 1/4" hole, and secure with rivet U.



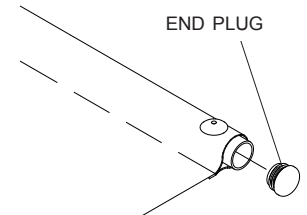
**STEP 5:** Stretch tarp along fixed tube, drill 1/4" hole, and secure second rivet.



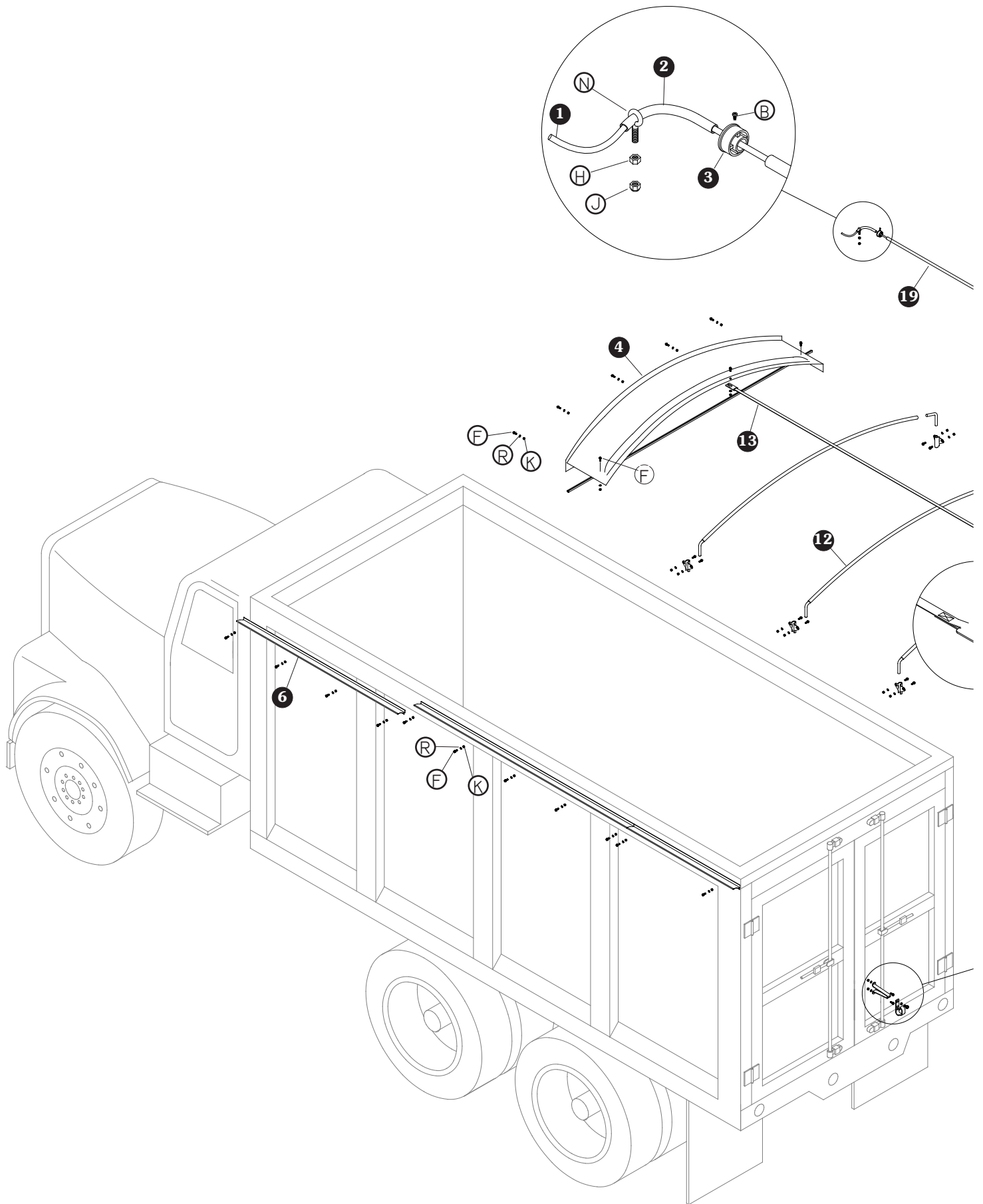
**STEP 6:** Cut fixed tube 1/4" past edge of tarp, removing swaged end. Grind smooth.



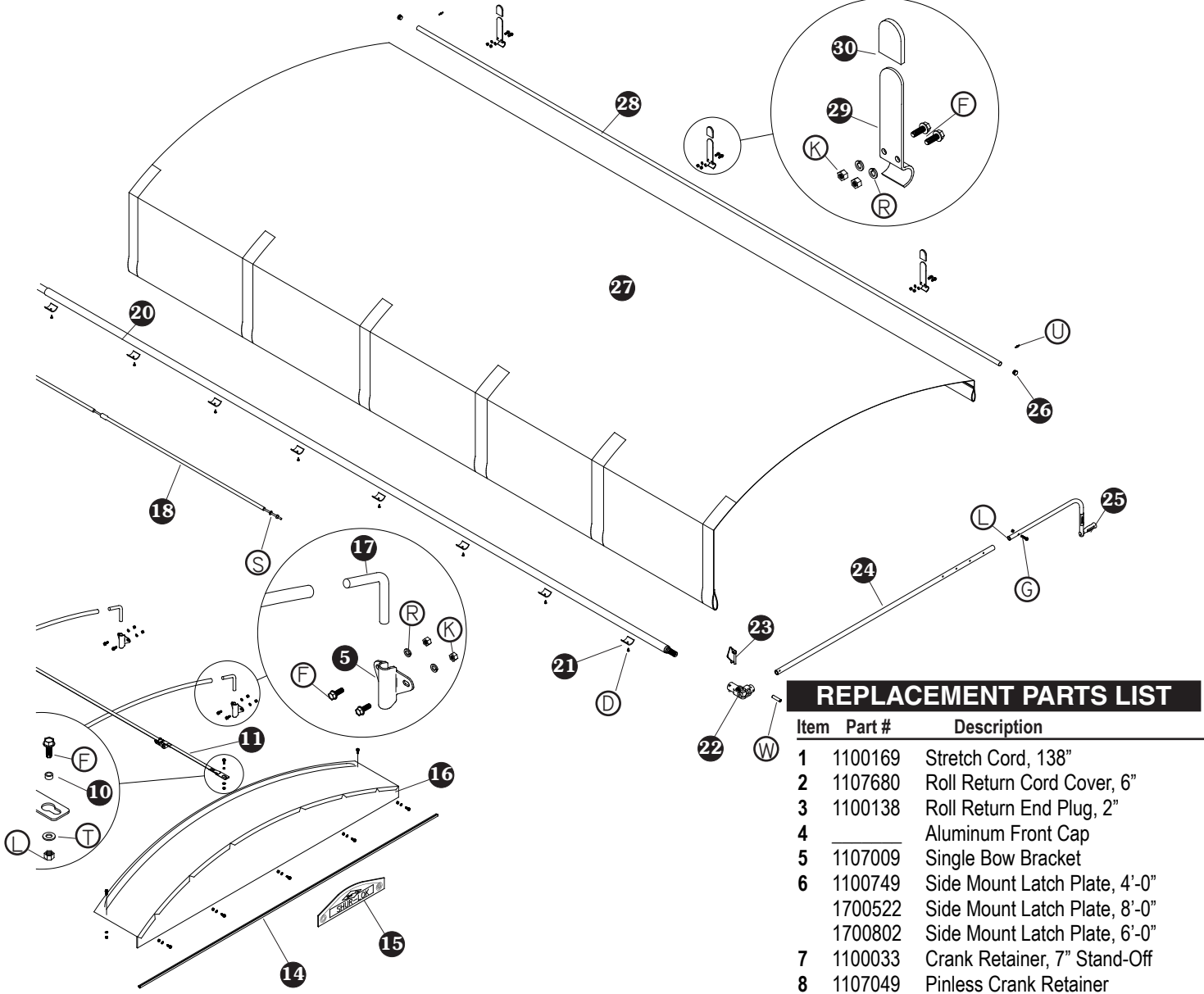
**STEP 7:** Insert end plug.



SHUR-LOK FARM & SEMI REPLACEMENT PARTS



# SHUR-LOK FARM & SEMI REPLACEMENT PARTS



## REPLACEMENT PARTS LIST

| Item | Part #  | Description                               |
|------|---------|---|
| 1    | 1100169 | Stretch Cord, 138"                        |
| 2    | 1107680 | Roll Return Cord Cover, 6"                |
| 3    | 1100138 | Roll Return End Plug, 2"                  |
| 4    |         | Aluminum Front Cap                        |
| 5    | 1107009 | Single Bow Bracket                        |
| 6    | 1100749 | Side Mount Latch Plate, 4'-0"             |
|      | 1700522 | Side Mount Latch Plate, 8'-0"             |
|      | 1700802 | Side Mount Latch Plate, 6'-0"             |
| 7    | 1100033 | Crank Retainer, 7" Stand-Off              |
| 8    | 1107049 | Pinless Crank Retainer                    |
| 9    | 1100306 | Bushing, 11/16" x 5/16"                   |
| 10   | 1101683 | Bushing, 1/2" x 1/4"                      |
| 11   | 1101678 | Ratchet w/Ridge Strap & Anchor            |
| 12   | 1100760 | Bow, Low Rise, Standard                   |
| 13   | 1101680 | Ridge Strap & Anchor Assy, 1" x 25'-0"    |
| 14   | 1100165 | Trim Seal, 110"                           |
| 15   | 1100182 | Shur-Lok Decal                            |
| 16   |         | Aluminum Back Cap                         |
| 17   | 1100695 | Bow Shank, 3/4" x 108°                    |
| 18   | 1108568 | Roll Return Pipe, 1/2 Sch 40 x 5', Belled |
| 19   | 1100168 | Roll Return Pipe, 1/2 Sch 40 x 5'         |
| 20   | 1107058 | Roll Tube W/ Splined Shaft, 2" x 20'      |
| 21   | 1701354 | Plastic U-Clamp                           |
| 22   | 1701243 | Splined U-Joint                           |
| 23   | 1700526 | Wire Lock Pin, 3/8" x 2 1/2"              |
| 24   | 1100028 | Crank Extension w/Insert, 80"             |
| 25   | 1100171 | Crank Arm, Standard                       |
| 26   | 1700523 | End Plug, 1 1/8" OD                       |
| 27   |         | Shur-Lok Tarp                             |
| 28   | 1700049 | Swaged Tubing, 1 1/8" x 20'-3"            |
| 29   | 1100049 | Tarp Stop, Standard                       |
| 30   | 1700729 | Protective Cap                            |

## HARDWARE LIST

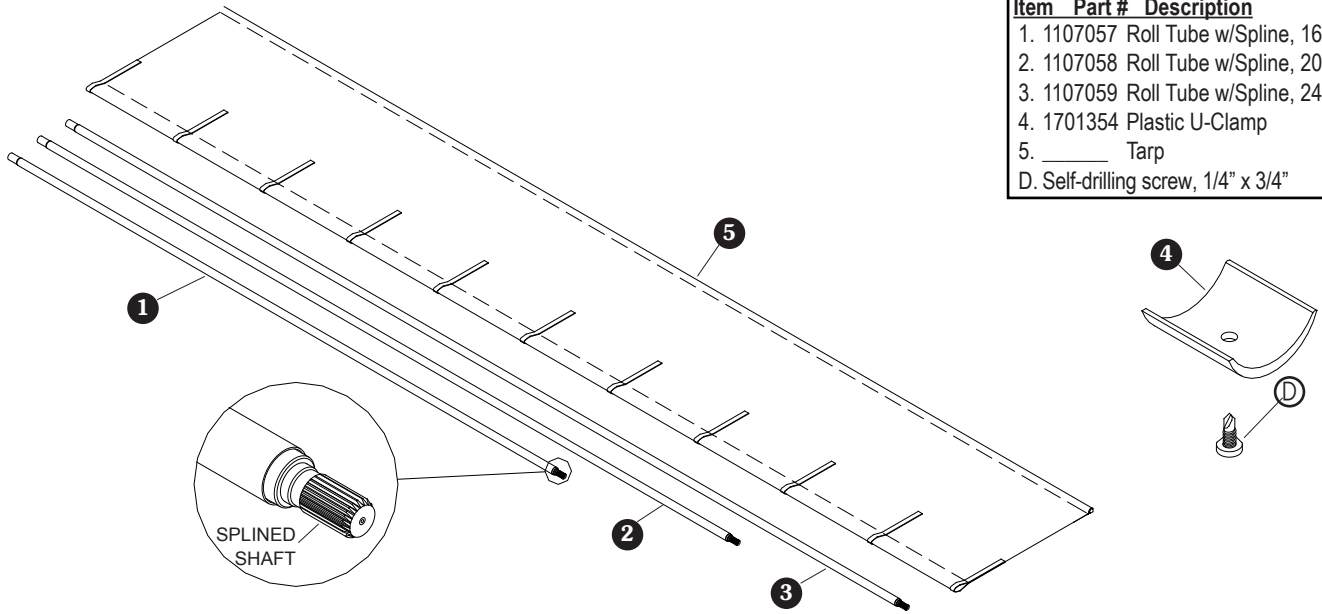
| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| B    | 1700084 | Self-Tapping Screw, #8 x 3/8"    |
| D    | 1700398 | Self-Drilling Screw, 1/4" x 3/4" |
| F    | 1700400 | Self-Tapping Screw, 3/8" x 1"    |
| G    | 1700369 | Cap Screw, 3/8" x 1 3/4"         |
| H    | 1700411 | Hex Nut, 5/16"                   |
| J    | 1700419 | Nylon Lock Nut, 5/16"            |
| K    | 1700407 | Hex Nut, 3/8"                    |
| L    | 1700418 | Center Lock Nut, 3/8"            |
| M    | 1702996 | Cap Screw, 1/2" x 1 1/4"         |
| N    | 1700717 | Eyebolt, 5/16"                   |
| R    | 1700434 | Lock Washer, 3/8"                |
| S    | 1703373 | Flat Washer, 1/2"                |
| T    | 1701176 | Flat Washer, 3/8"                |
| U    | 1700474 | Drive Rivet, 1/4" x 3/4"         |
| W    | 1700443 | Spring Pin, 3/8" x 2"            |

(See Hardware Identification on page 1)

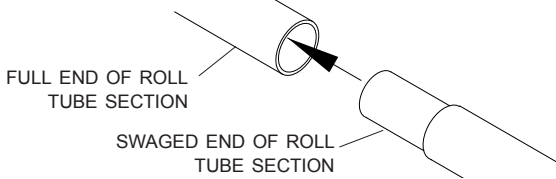


# ROLL TUBE & U-CLAMPS

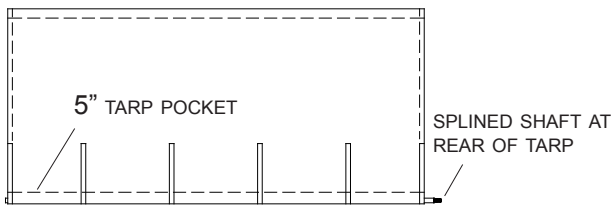
| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| 1.   | 1107057 | Roll Tube w/Spline, 16 Ft        |
| 2.   | 1107058 | Roll Tube w/Spline, 20 Ft        |
| 3.   | 1107059 | Roll Tube w/Spline, 24 Ft        |
| 4.   | 1701354 | Plastic U-Clamp                  |
| 5.   |         | Tarp                             |
| D.   |         | Self-drilling screw, 1/4" x 3/4" |



**STEP 1:** For box lengths over 24 ft, insert swaged end of roll tube section into full end of second tube section. Align tubes, weld, and grind smooth.



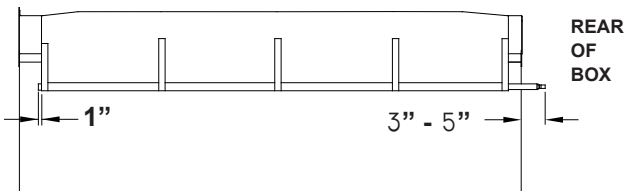
**STEP 2:** Cut roll tube 8" longer than tarp (14" if using fabric caps), removing swaged end. Grind edges smooth, then insert roll tube into 5" tarp pocket, with splined shaft at rear of tarp/trailer.



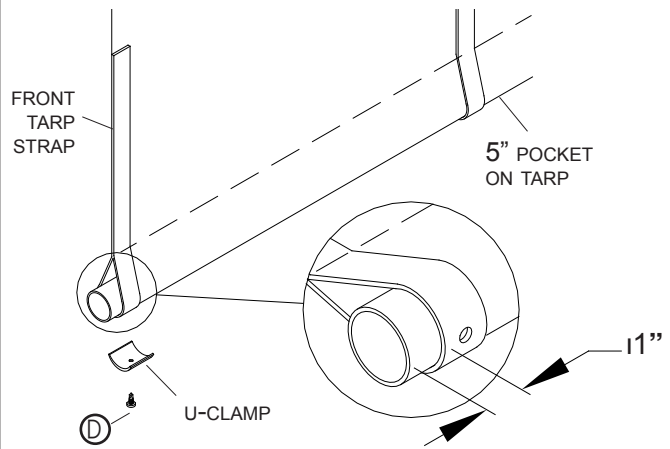
**TIPS** - Inflate 5" tarp pocket with air chuck while inserting roll tube.  
 - For ease of handling, wind tarp on roll tube completely before lifting tarp onto box.

**STEP 3:** Center tarp on box, and secure tarp to box with tarp stops. See page 16 to install standard tarp stops, or page 17 to install easy-off tarp stops.

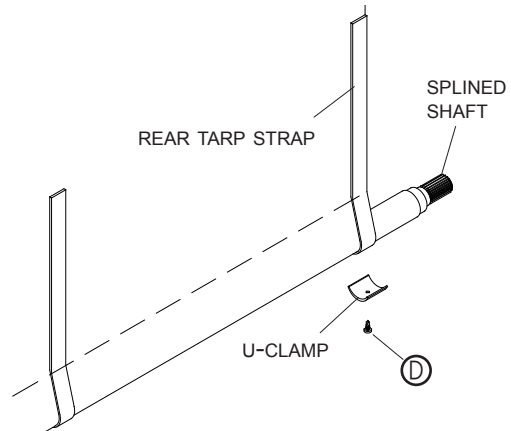
**STEP 4:** Align roll tube to extend 1" past front of tarp. Splined shaft must extend 3"-5" beyond rear of box.



**STEP 5:** Center first U-clamp on front tarp strap, positioning screw **D** on crease at bottom of tarp pocket. Fasten U-clamp with screw **D**.

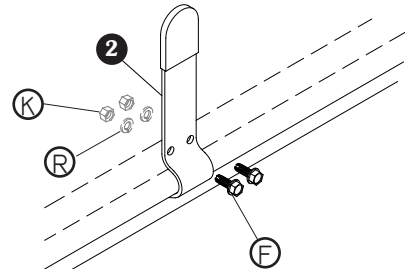
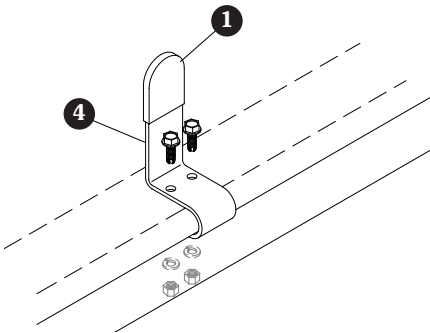
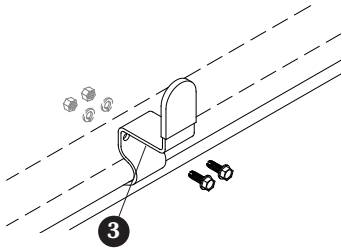


**STEP 6:** Stretch tarp along roll tube so both sides of tarp are equal. Install U-clamp on rear tarp strap.



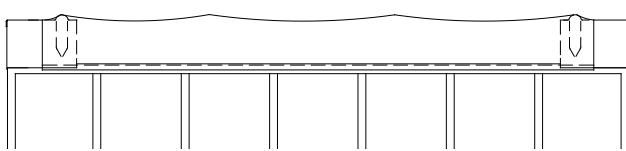
**STEP 7:** Install remaining U-clamps on remaining tarp straps.

## STANDARD TARP STOP OPTION



| Item | Part #  | Description                   |
|------|---------|-------------------------------|
| 1.   | 1700729 | Protective Cap                |
| 2.   | 1100049 | Standard Tarp Stop            |
| 3.   | 1100392 | Offset Tarp Stop              |
| 4.   | 1105163 | Recessed Tarp Stop            |
| F.   |         | Self-Tapping Screw, 3/8" x 1" |
| R.   |         | Lock Washer, 3/8"             |
| K.   |         | Hex Nut, 3/8"                 |

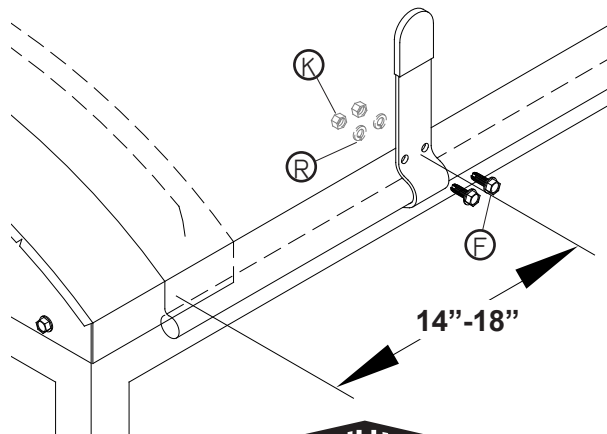
**STEP 1:** Center tarp on box, between front and rear end caps, with fixed tube hanging about 3" below top rail on passenger's side of box. Square up tarp and fixed tube.



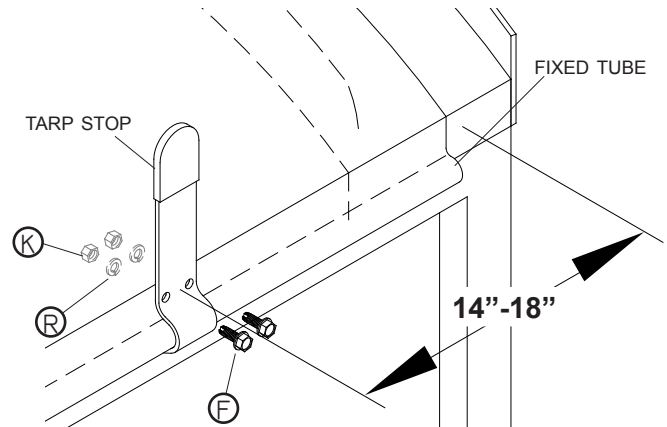
**NOTE:** If you are installing your system to open from the driver's side of the box, locate tarp stops on the driver's side.

**STEP 2:** Locate first tarp stop 14"-18" from rear edge of tarp. Using tarp stop as a guide, mark and drill holes. Place tarp stop over fixed tube, and fasten to box with screws **F**, lock washers **R**, and nuts **K**.

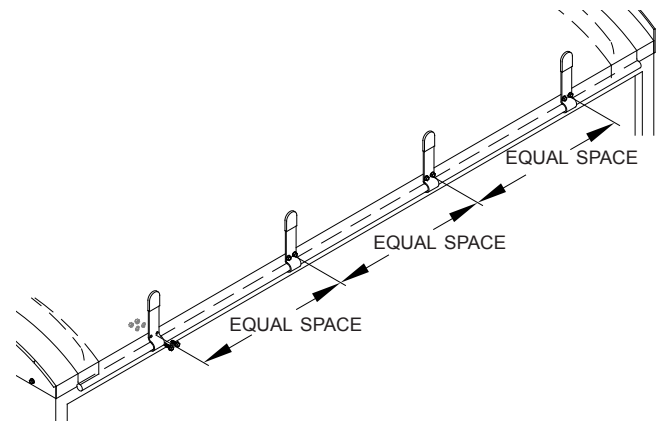
**NOTE:** Use washers and nuts where needed, and drill 13/32" holes. If using self-tapping screws only, drill 5/16" holes.



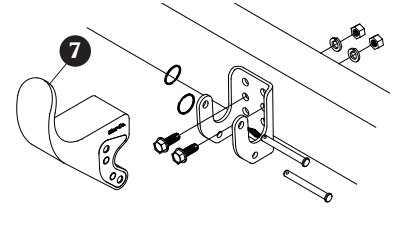
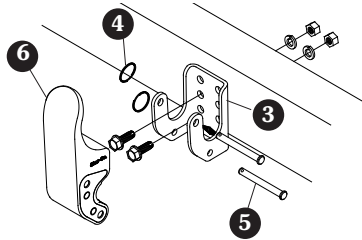
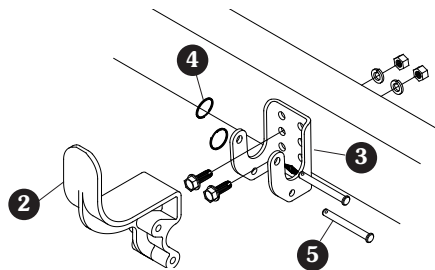
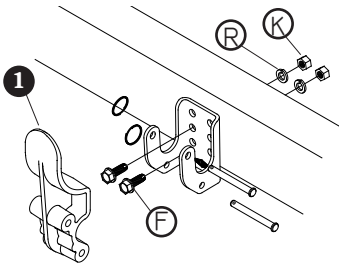
**STEP 3:** Square up and stretch tarp tight. Locate second tarp stop 14"-18" from front edge of tarp. Mark and drill holes and fasten to box with screws **F**, lock washers **R**, and nuts **K**.



**STEP 4:** Vertically align and equally space remaining tarp stops. Mark and drill holes and fasten to box.



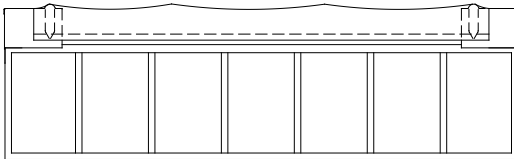
## EASY-OFF TARP STOP OPTION



| Item | Part #  | Description                                    |
|------|---------|--|
| 6.   | 1100834 | Easy-Off Aluminum Tarp Stop Upright            |
| 7.   | 1105168 | Easy-Off Aluminum Tarp Stop Upright, 6" Offset |

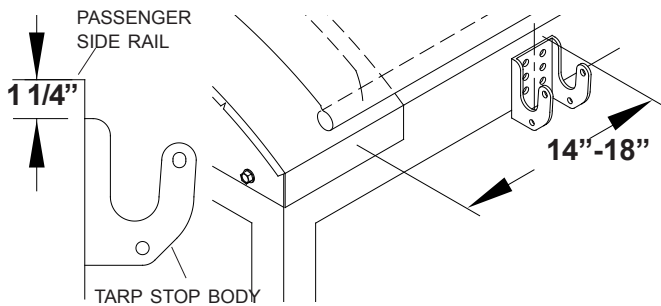
| Item | Part #  | Description  |
|------|---------|--|
| 1.   | 1115216 | Easy-Off Flexible Tarp Stop Upright w/Plate            |
| 2.   | 1115217 | Easy-Off Flexible Tarp Stop Upright, 6" Offset w/Plate |
| 3.   | 1100833 | Easy-Off Tarp Stop Body                                |
| 4.   | 1700799 | Kickout Ring, 1"                                       |
| 5.   | 1703604 | Clevis Pin, 5/16" x 2 7/8"                             |
| F.   |         | Self-Tapping Screw, 3/8" x 1"                          |
| R.   |         | Lock Washer, 3/8"                                      |
| K.   |         | Hex Nut, 3/8"  |

**STEP 1:** Center tarp between front and rear end caps, with fixed tube on passenger's side of box.



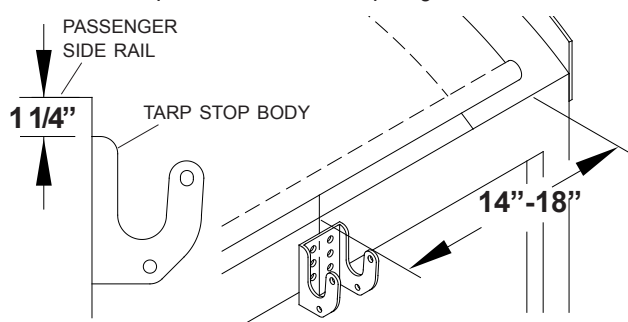
**NOTE:** If you are installing your system to open from the driver's side of the box, locate tarp stops on the driver's side.

**STEP 2:** Locate first tarp stop body 14"-18" from rear edge of tarp, and 1 1/4" from top edge of rail on passenger's side of box.

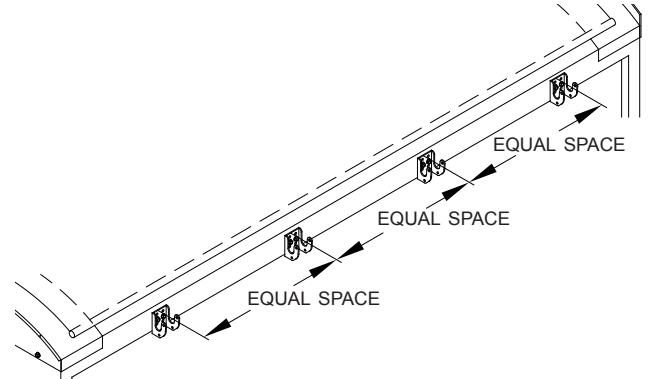


**NOTE:** Install tarp stop body on a vertical surface. Fasten through holes that best fit your top rail configuration.

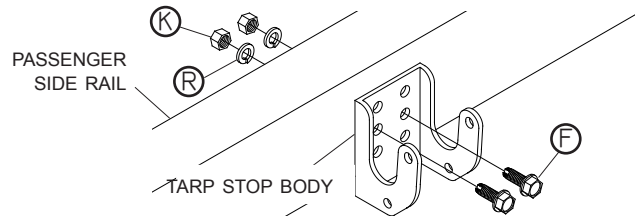
**STEP 3:** Locate second tarp stop body 14"-18" from front of tarp, and 1 1/4" from top edge of rail.



**STEP 4:** Equally space and vertically align remaining tarp stop bodies between front and rear tarp stop bodies.

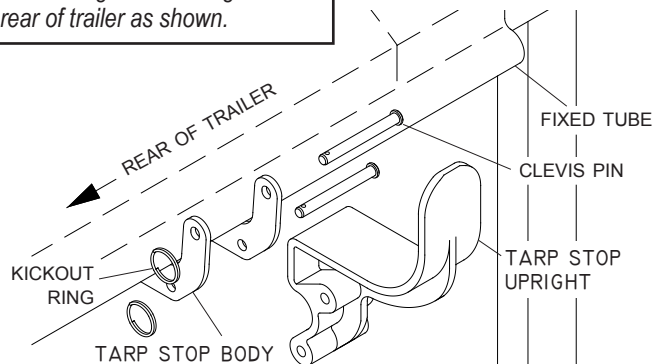


**STEP 5:** Use tarp stop bodies as templates to mark hole locations. Drill 5/16" holes, and fasten to box with screws (F), lock washers (R), and nuts (K).



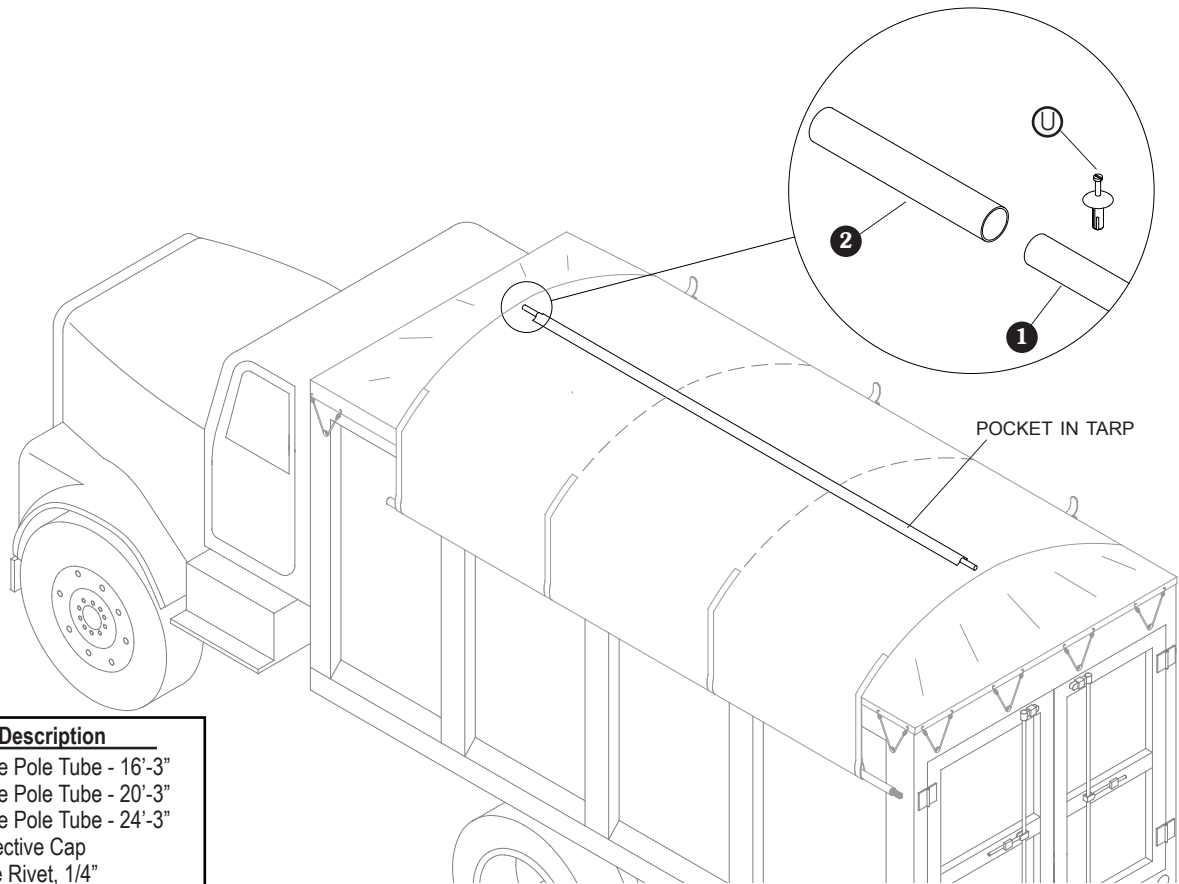
**STEP 6:** Adjust tarp, so fixed tube rests squarely in tarp stop bodies. Fasten tarp stop uprights to tarp stop bodies with clevis pins. Secure with kickout rings.

**NOTE:** Align kickout rings toward rear of trailer as shown.



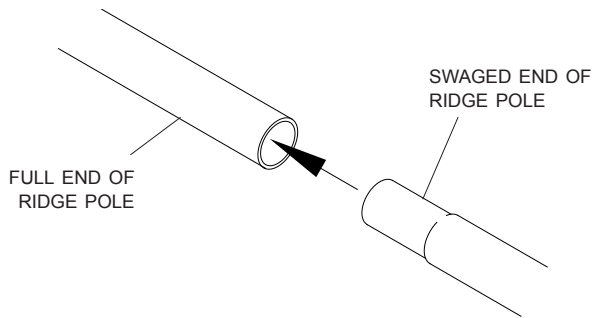


## RIDGE POLE OPTION



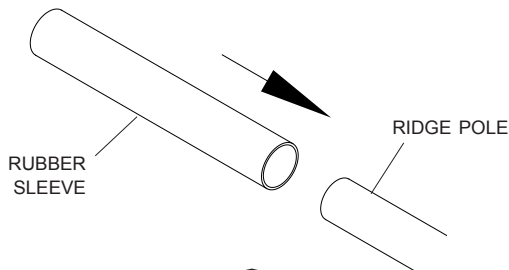
| Item | Part #     | Description              |
|------|------------|--------------------------|
| 1.   | 1701204    | Ridge Pole Tube - 16'-3" |
|      | 1701205    | Ridge Pole Tube - 20'-3" |
|      | 1701206    | Ridge Pole Tube - 24'-3" |
| 2.   | 1700212    | Protective Cap           |
|      | U. 1700474 | Drive Rivet, 1/4"        |

**STEP 1:** Units over 24': Insert swaged end of ridge pole into full end of second ridge pole. Align and weld poles, then grind smooth.

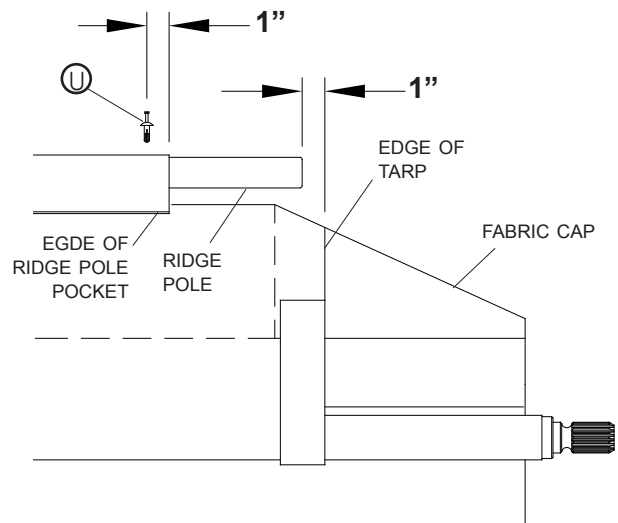


**STEP 2:** Cut ridge pole tube 2" shorter than tarp length. Grind rough edges smooth.

**STEP 3:** Install rubber sleeves over ends of ridge pole.



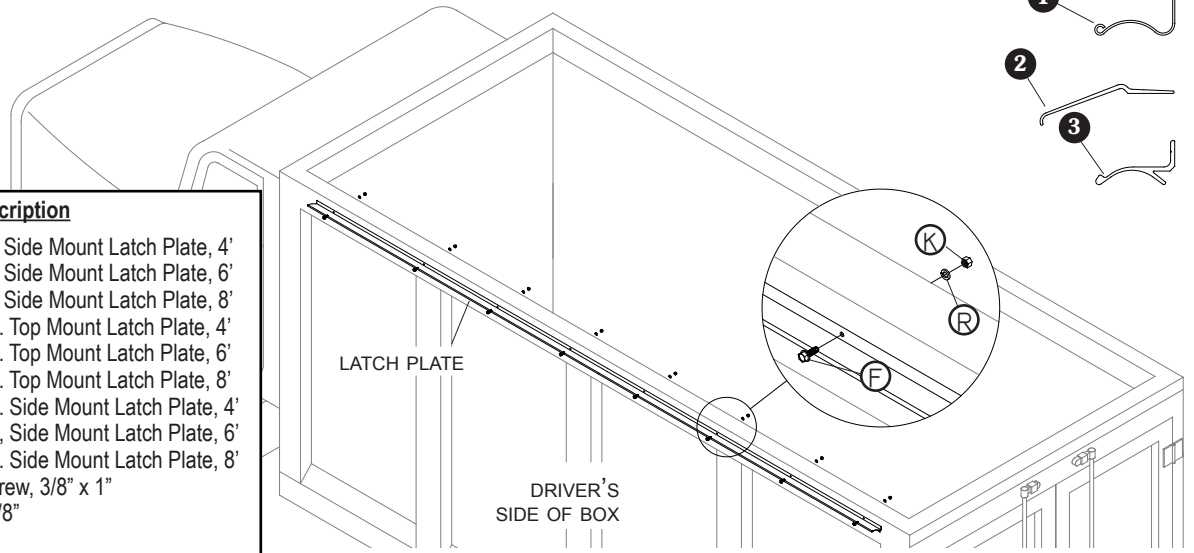
**STEP 4:** Insert ridge pole into ridge pole pocket on tarp. Center pole in tarp pocket and verify that ridge pole is 1" shorter than tarp on each end.



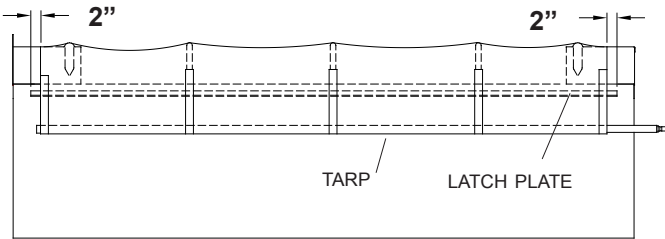
**STEP 5:** Drill 1/4" holes and install rivet 1" from edge of pocket. Pull tarp to full length and install rivet 1" from opposite end of pole. Equally space remaining rivets.

# LATCH PLATE

| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| 1.   | 1701546 | Galv. Side Mount Latch Plate, 4' |
|      | 1113005 | Galv. Side Mount Latch Plate, 6' |
|      | 1701547 | Galv. Side Mount Latch Plate, 8' |
| 2.   | 1100370 | Alum. Top Mount Latch Plate, 4'  |
|      | 1100369 | Alum. Top Mount Latch Plate, 6'  |
|      | 1100368 | Alum. Top Mount Latch Plate, 8'  |
| 3.   | 1100749 | Alum. Side Mount Latch Plate, 4' |
|      | 1700802 | Alum. Side Mount Latch Plate, 6' |
|      | 1700522 | Alum. Side Mount Latch Plate, 8' |
|      | F.      | Self-Tapping Screw, 3/8" x 1"    |
|      | R.      | Lock Washer, 3/8"                |
|      | K.      | Hex Nut, 3/8"                    |

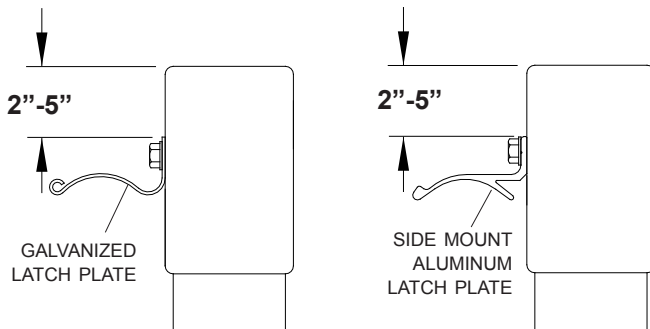


**STEP 1:** Adapt latch plate pieces to extend 2" past tarp at front and rear of tarp.

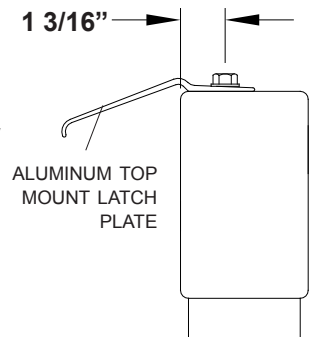


**NOTE:** If you are installing your system to open from the driver's side of the box, locate latch plate on the passenger's side. Latch plate alignment must be true.

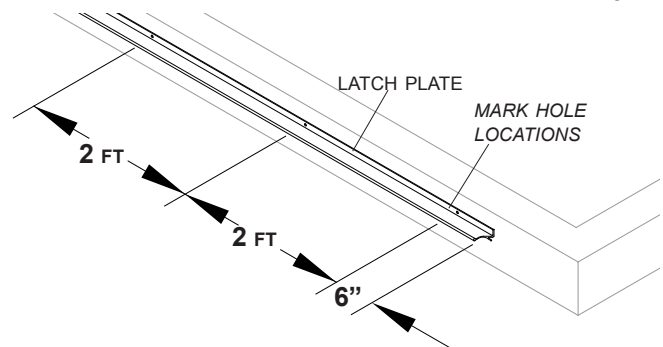
**STEP 2a:** Side mount latch plate: Starting at rear of box, position latch plate sections 2"-5" down from top edge of rail on driver's side of box, in an area free from obstructions. Clamp in place.



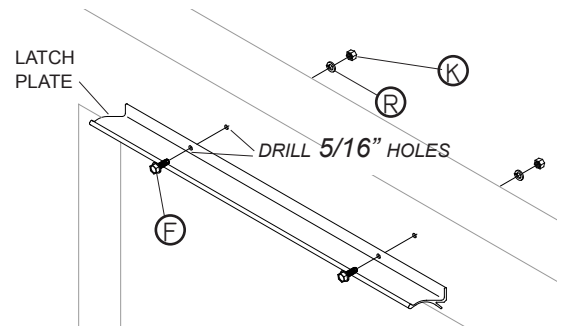
**STEP 2b:** Top mount latch plate: Install in the same way as side mount latch plate, except, fasten over top rail, aligning screws about 1 3/16" from edge of rail.



**STEP 3:** Mark hole locations on latch plate about every two feet apart, with holes no more than 6" from edges.



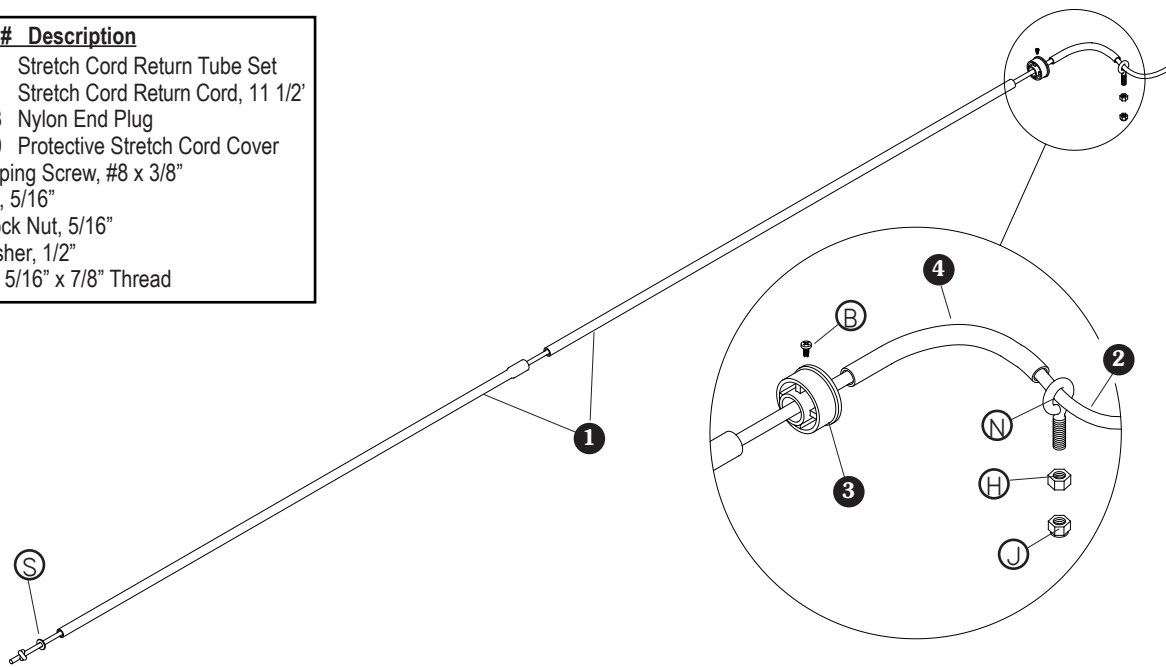
**STEP 4:** Drill 5/16" pilot holes through latch plate and box. Fasten with screws (F), lock washers (R), and nuts (K).



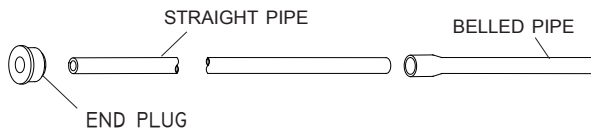
## STRETCH CORD RETURN OPTION

**Item Part # Description**

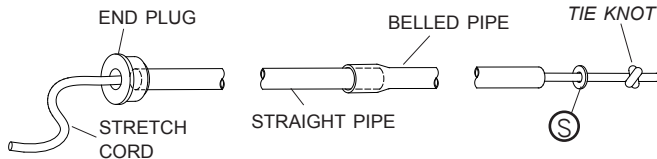
- 1. 1111067 Stretch Cord Return Tube Set
- 2. 1114360 Stretch Cord Return Cord, 11 1/2'
- 3. 1100138 Nylon End Plug
- 4. 1107680 Protective Stretch Cord Cover
- B. Self-Tapping Screw, #8 x 3/8"
- H. Hex Nut, 5/16"
- J. Nylon Lock Nut, 5/16"
- S. Flat Washer, 1/2"
- N. Eyebolt, 5/16" x 7/8" Thread



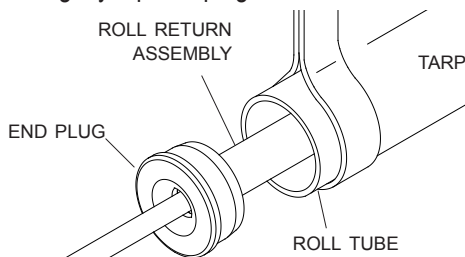
**STEP 1:** Insert belled stretch cord return pipe into straight stretch cord return pipe. Insert end plug into straight stretch cord return pipe.



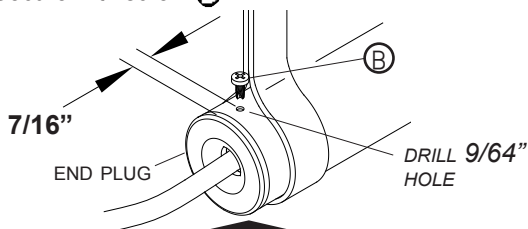
**STEP 2:** Insert stretch cord through end plug and roll return pipes. Slide flat washer (S) over stretch cord and tie knot in cord.



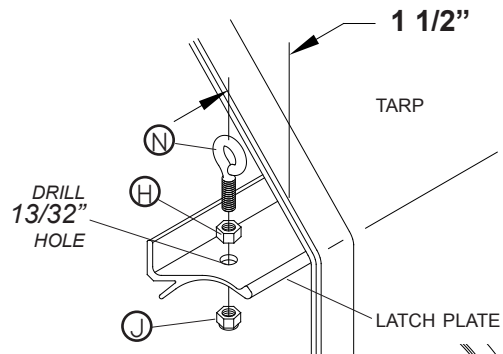
**STEP 3:** Insert stretch cord return assembly into roll tube. Lightly tap end plug into roll tube.



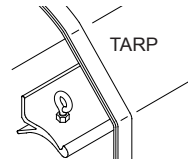
**STEP 4:** Drill 9/64" hole about 7/16" from edge of end plug. Secure with screw (B).



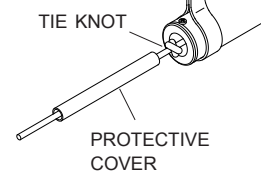
**STEP 5:** Drill 13/32" hole through latch plate, 1 1/2" from edge of tarp. Insert eyebolt (N) through hole and secure with nut (H) and lock nut (J).



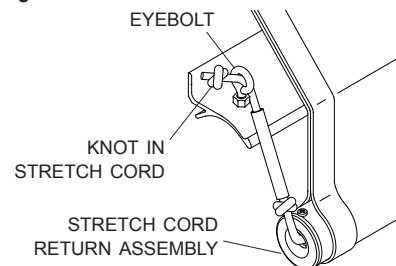
**STEP 6:** With tarp closed and hanging over edge of box, pull stretch cord to remove all slack in stretch cord return assembly.



**STEP 7:** Tie knot in cord at end plug. Slide protective cover over stretch cord.

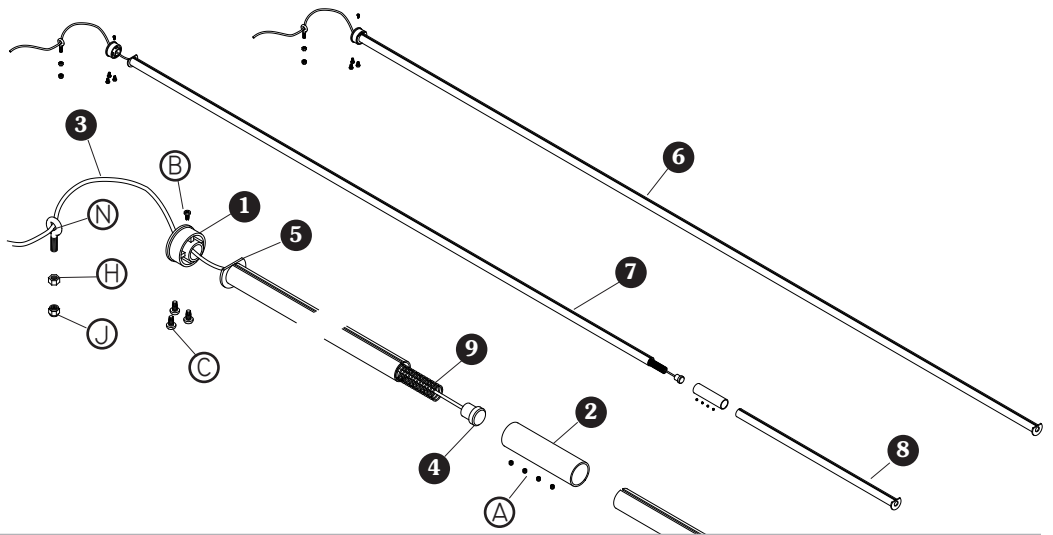


**STEP 8:** Thread stretch cord through eyebolt, applying enough tension to almost lift roll return. Tie knot.



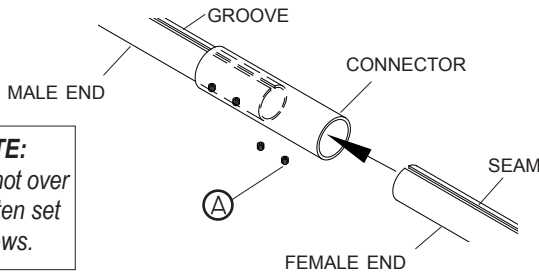
# SHUR-RETURN OPTION

| Item | Part #  | Description                     |
|------|---------|---------------------------------|
| 1.   | 1100138 | Nylon End Plug                  |
| 2.   | 1107879 | Connector Sleeve                |
| 3.   | 1100826 | Rope, 1/4"                      |
| 4.   | 1100827 | Spring Retainer Plug            |
| 5.   | 1100831 | Flat Washer, Shur-Return        |
| 6.   | 1100832 | Shur-Return Assembly            |
| 7.   | 1107882 | UPS-able Male End               |
| 8.   | 1107883 | UPS-able Female End             |
| 9.   | 1700074 | Compression Spring              |
| N.   |         | Eyebolt, 5/16" x 7/8"           |
| B.   |         | Self-Tapping Screw, #8 x 3/8"   |
| C.   |         | Self-Tapping Screw, 1/4" x 1/2" |
| A.   |         | Set Screw, #10 x 3/16"          |
| H.   |         | Hex Nut, 5/16"                  |
| J.   |         | Nylon Lock Nut, 5/16"           |



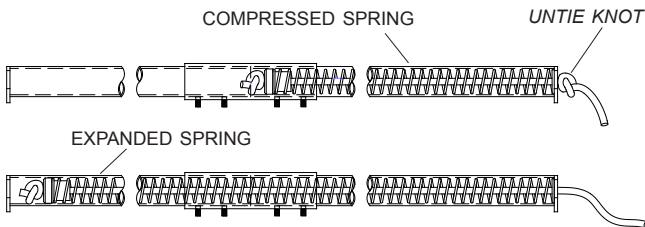
**NOTE:** Steps 1 and 2 are for the UPS-able Shur-Return only.

**STEP 1:** Align grooves in male and female UPS-able Shur-Return ends, insert female end into connector sleeve, align set screws **A** opposite seam and tighten.



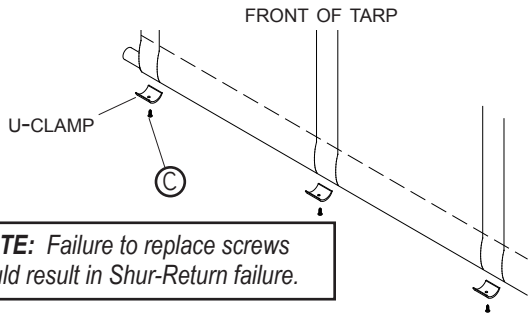
**NOTE:** Do not over tighten set screws.

**STEP 2:** Cautiously untie knot and slowly allow spring to expand to full length of UPS-able Shur-Return.



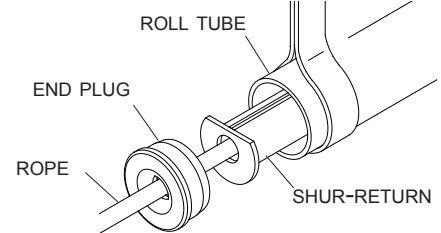
**NOTE:** Spring is compressed. Use caution when untying knot.

**STEP 3:** Remove all 1/4" x 3/4" screws on U-Clamps from front 11 feet of tarp, replace with **C** screws.

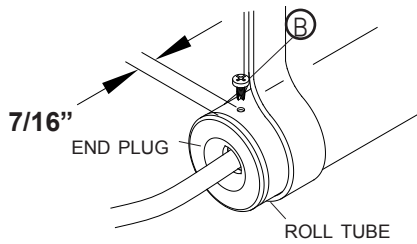


**NOTE:** Failure to replace screws could result in Shur-Return failure.

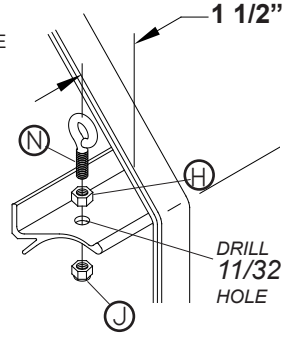
**STEP 4:** Insert Shur-Return into roll tube at front of box, with rope at open end of roll tube. Thread rope through nylon end plug.



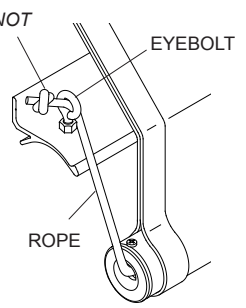
**STEP 5:** Tap end plug into roll tube and drill 9/64" hole 7/16" from edge of end plug. Secure end plug to roll tube with **B** screw.



**STEP 6:** Drill 11/32" hole into latch plate 1 1/2" beyond end of tarp. Insert eyebolt **N** through hole and secure with **H** and **J**.

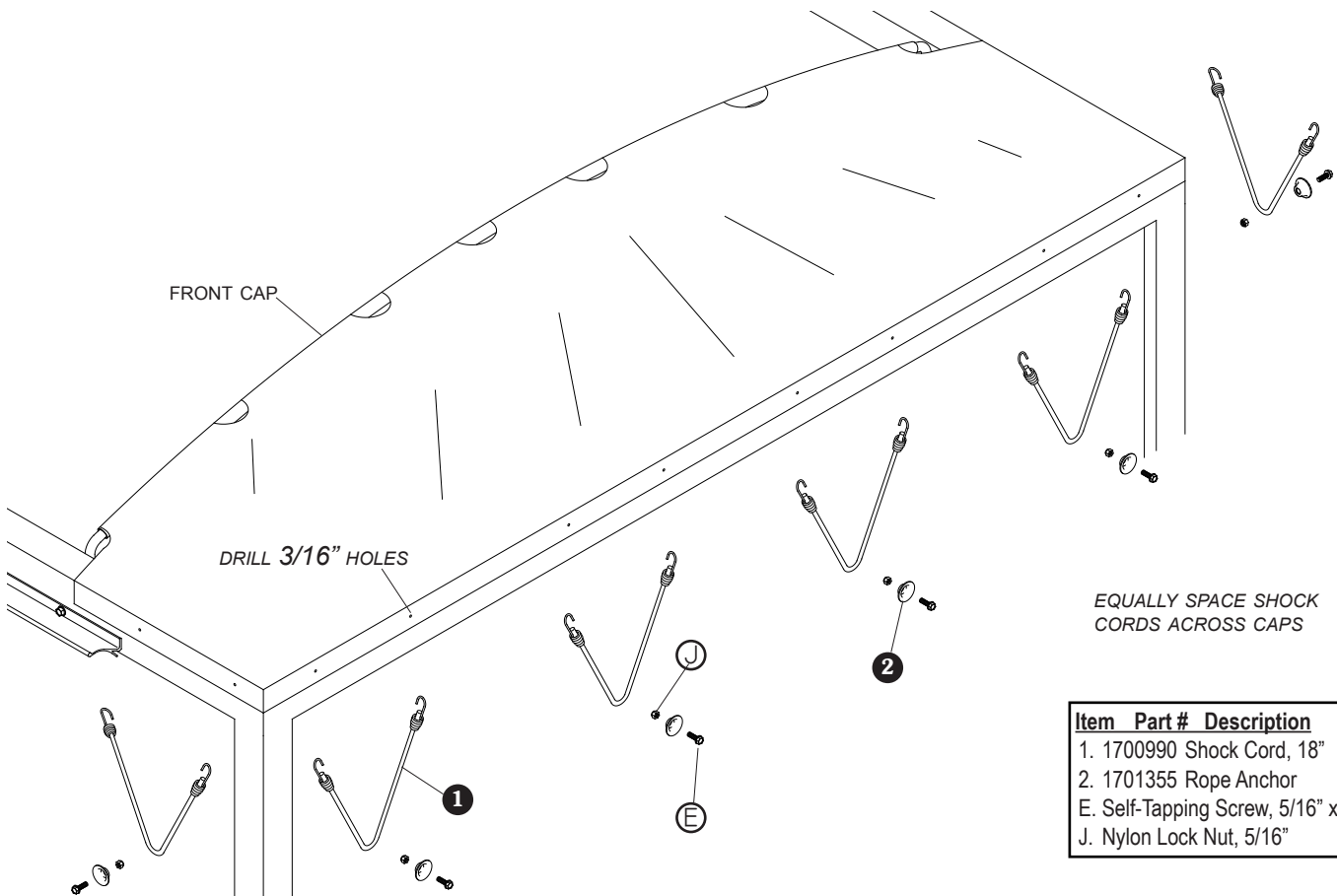


**STEP 7:** Insert Shur-Return rope through eyebolt, remove all slack from rope and tie knot.



**TIP -** Do not cut off excess stretch rope until you are sure tarp will open completely.

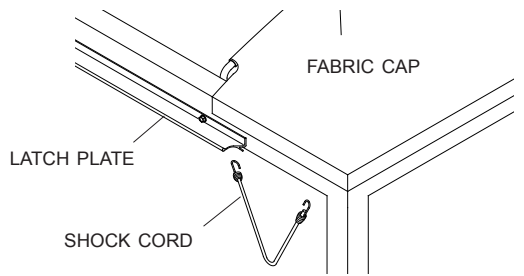
# SHOCK CORDS & ROPE ANCHORS (FABRIC CAPS)



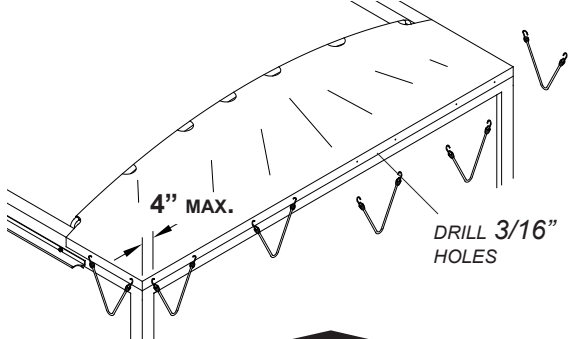
EQUALLY SPACE SHOCK CORDS ACROSS CAPS

| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1700990 | Shock Cord, 18"                |
| 2.   | 1701355 | Rope Anchor                    |
| E.   |         | Self-Tapping Screw, 5/16" x 1" |
| J.   |         | Nylon Lock Nut, 5/16"          |

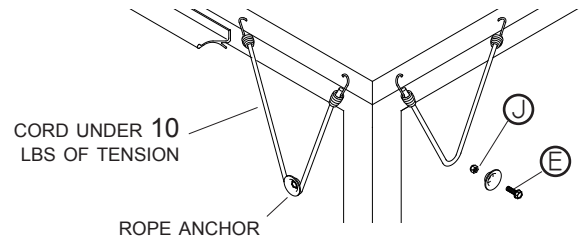
**STEP 1:** Locate one shock cord on each side of cap, as close as possible to center of cap without touching latchplate.



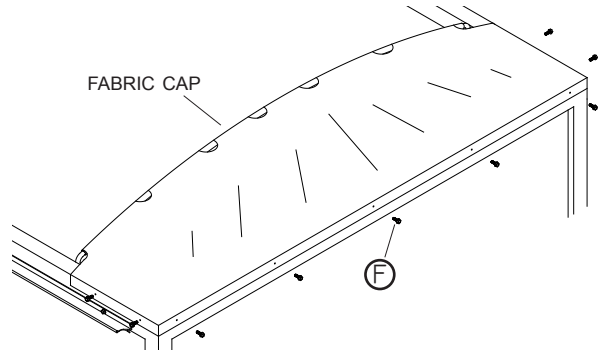
**STEP 2:** Equally space remaining shock cords across face of fabric cap. Drill 3/16" holes through aluminum inserts and hook shock cords into holes.



**STEP 3:** Locate rope anchors so that shock cords will receive at least 10 pounds of force pulling on them. Drill 1/4" holes and fasten rope anchors with screws **E** and nuts **J**.

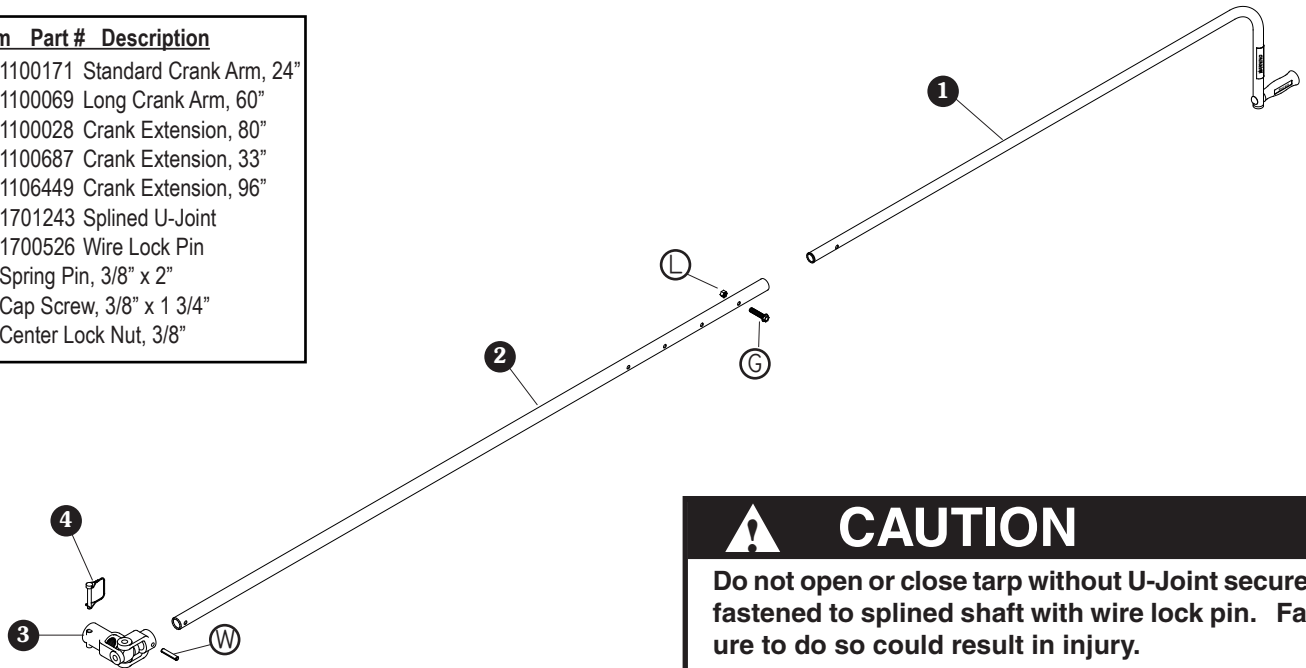


**Alternate method:** Drill 5/16" holes through aluminum inserts and fasten cap to box with screws **F**. Install two screws **F** on each side of caps, and equally space remaining screws across face of caps.



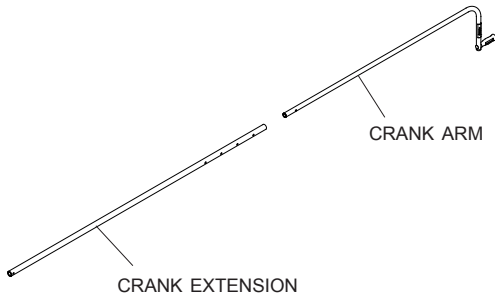
## STANDARD CRANK OPTION

| Item | Part #  | Description              |
|------|---------|--------------------------|
| 1.   | 1100171 | Standard Crank Arm, 24"  |
|      | 1100069 | Long Crank Arm, 60"      |
| 2.   | 1100028 | Crank Extension, 80"     |
|      | 1100687 | Crank Extension, 33"     |
|      | 1106449 | Crank Extension, 96"     |
| 3.   | 1701243 | Splined U-Joint          |
| 4.   | 1700526 | Wire Lock Pin            |
|      | W.      | Spring Pin, 3/8" x 2"    |
|      | G.      | Cap Screw, 3/8" x 1 3/4" |
|      | L.      | Center Lock Nut, 3/8"    |

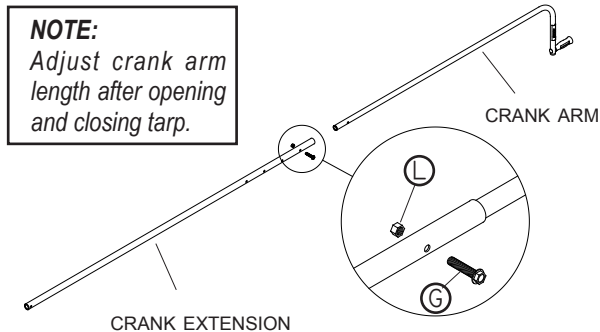


**⚠ CAUTION**  
 Do not open or close tarp without U-Joint securely fastened to splined shaft with wire lock pin. Failure to do so could result in injury.

**STEP 1:** Insert crank arm into crank extension.

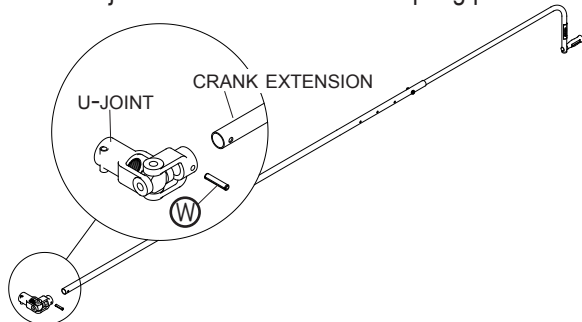


**STEP 2:** Fasten with screw G and nut L. Finger tighten.

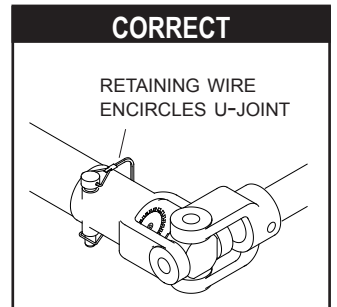
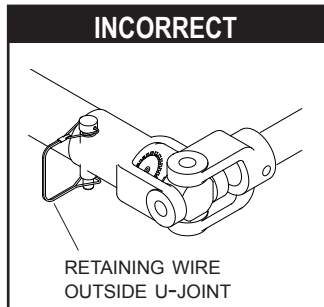
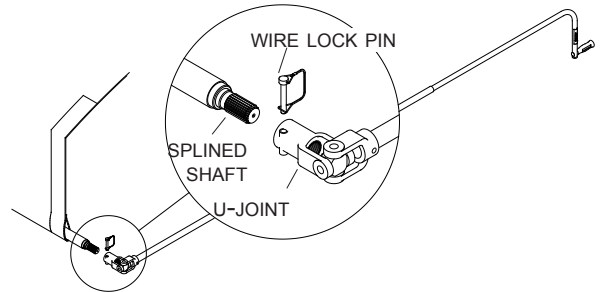


**NOTE:**  
 Adjust crank arm length after opening and closing tarp.

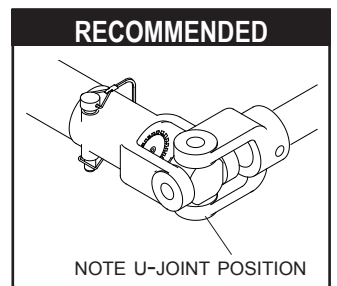
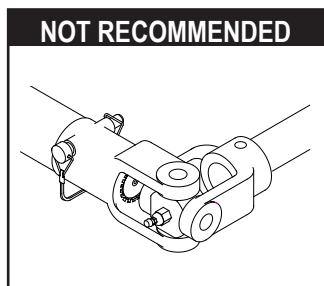
**STEP 3:** Insert crank extension with crank arm into splined U-joint. Secure with 3/8" x 2" spring pin W.



**STEP 4:** Place splined U-joint on splined shaft. Secure with wire lock pin.

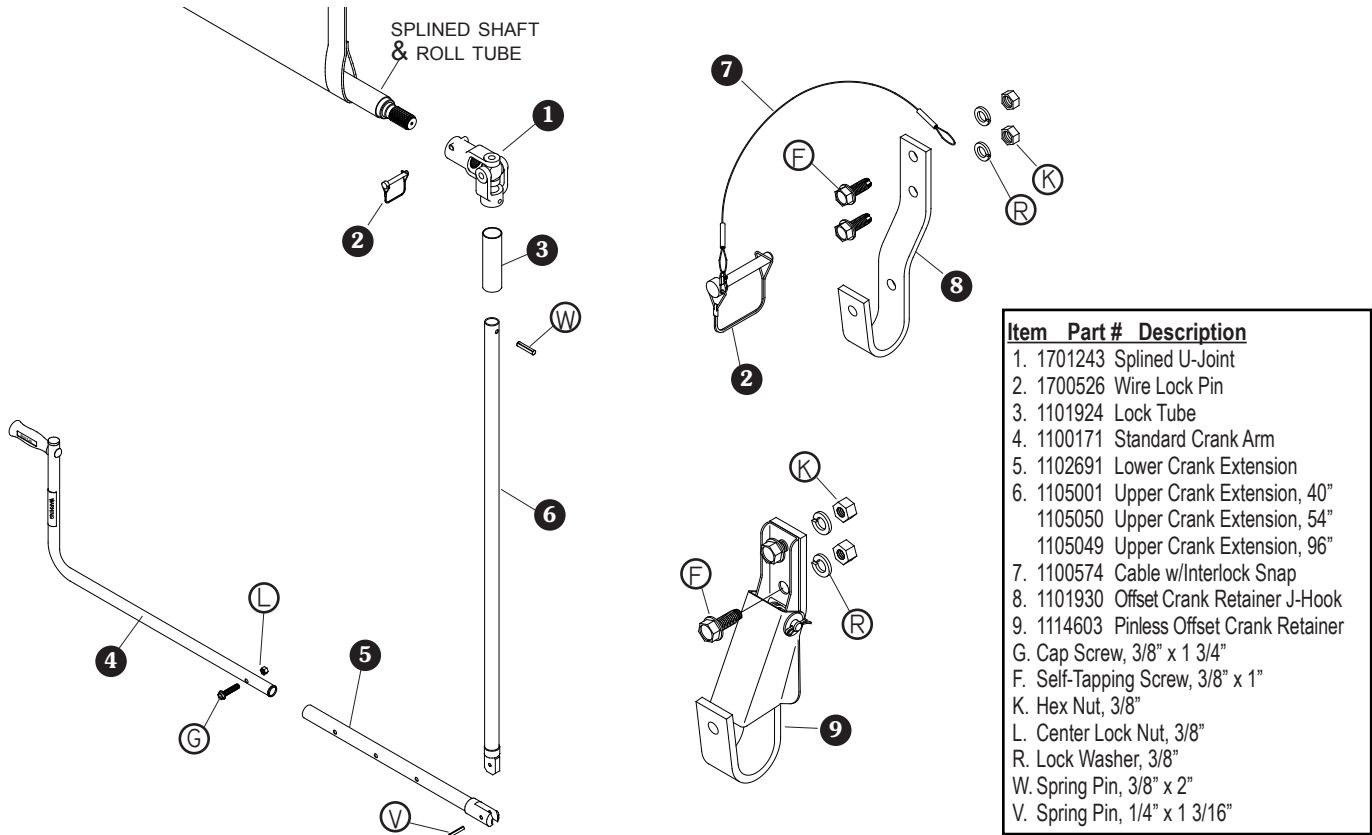


**NOTE:** U-joint is designed to operate as shown below at right, and is able to withstand considerably more pressure in this position.

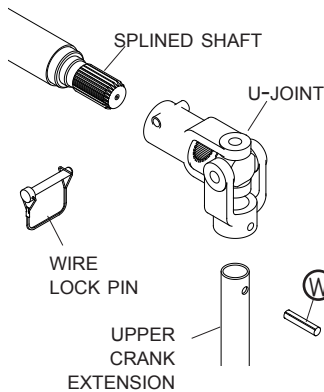




# SHUR-FLEX CRANK OPTION



**STEP 1:** Slide lock tube over upper crank extension, then secure extension to U-Joint with spring pin **W**.

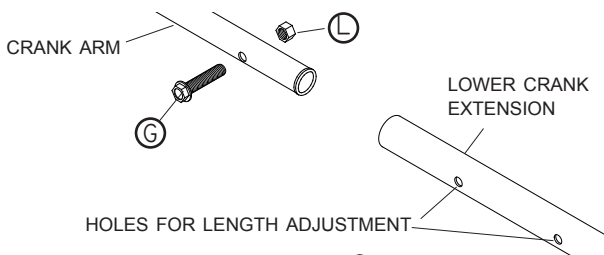


**STEP 2:** Secure U-Joint to splined shaft on roll tube with wire lock pin. (See Step 4 on page 23).

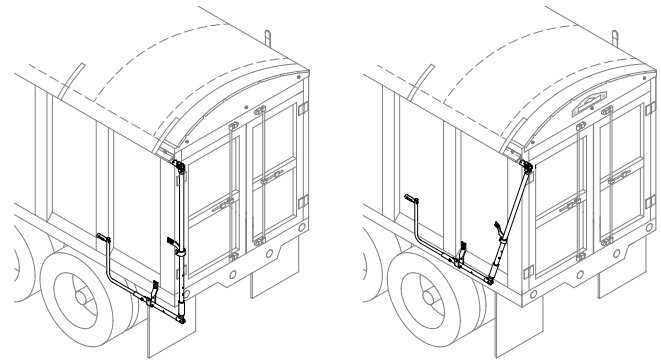
**CAUTION**

**Do not open or close tarp without U-Joint securely fastened to splined shaft with wire lock pin. Failure to do so could result in injury.**

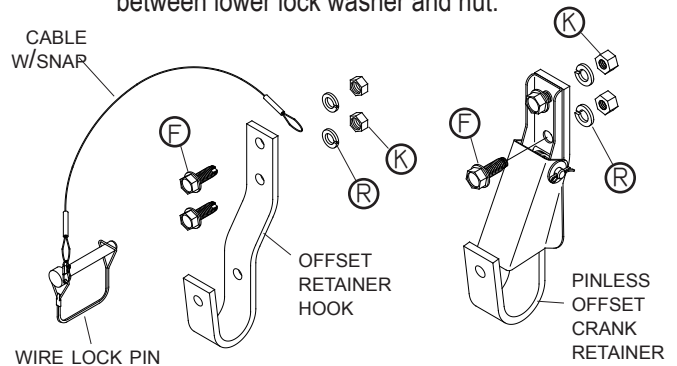
**STEP 3:** Insert lower crank extension into crank arm. Fasten with screw **G**, and nut **L**.



**STEP 4:** Locate crank retainers (offset or pinless offset) as shown on both passenger's and driver's side of box. Allow room for lock tube to slide, permitting knuckles to bend.

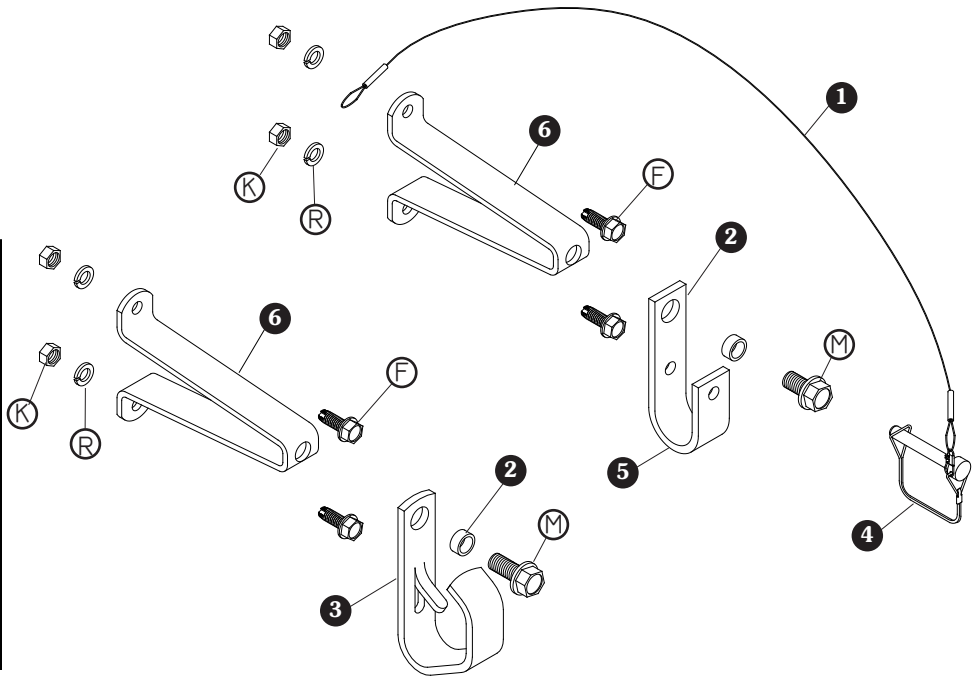


**STEP 5:** Mount retainers with screws **F**, lock washers **R** and nuts **K**. Attach cable w/snap for offset retainer between lower lock washer and nut.

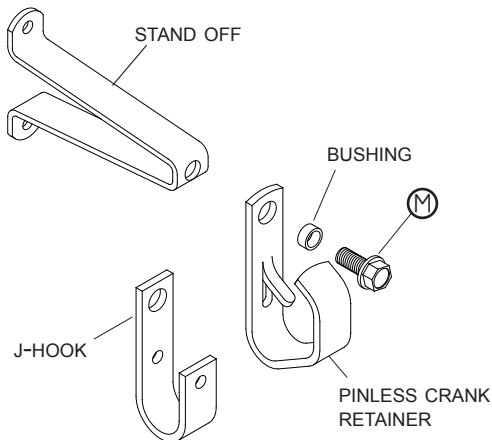


# CRANK RETAINER

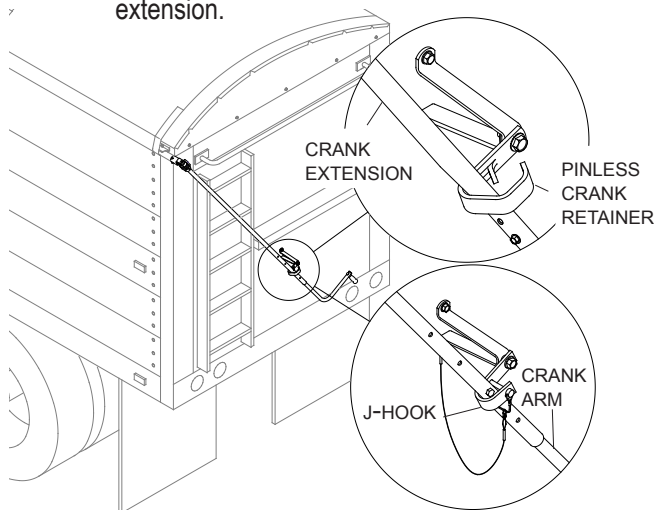
| Item | Part #  | Description                         |
|------|---------|-------------------------------------|
| 1.   | 1100574 | Cable w/Snap                        |
| 2.   | 1100306 | Retainer Bushing                    |
| 3.   | 1107049 | Pinless Crank Retainer              |
| 4.   | 1700526 | Wire Lock Pin                       |
| 5.   | 1100040 | Crank Retainer J-Hook               |
| 6.   | 1100033 | Crank Retainer Stand-Off, 7"        |
|      | 1109478 | Crank Retainer Stand-Off, 11"       |
|      | 1100137 | Crank Retainer Stand-Off, 2"        |
|      | 1107080 | Crank Retainer Stand-Off, 3"        |
|      |         | F. Self-Tapping Screw, 3/8" x 1"    |
|      |         | R. Lock Washer, 3/8"                |
|      |         | K. Hex Nut, 3/8"                    |
|      |         | M. Flanged Cap Screw, 1/2" x 1 1/4" |



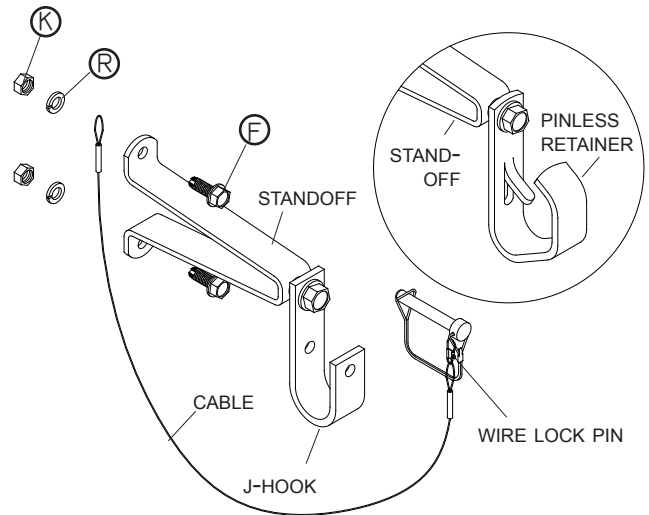
**STEP 1:** Assemble crank retainer stand off, bushing and pinless crank retainer or J-hook with **M**.



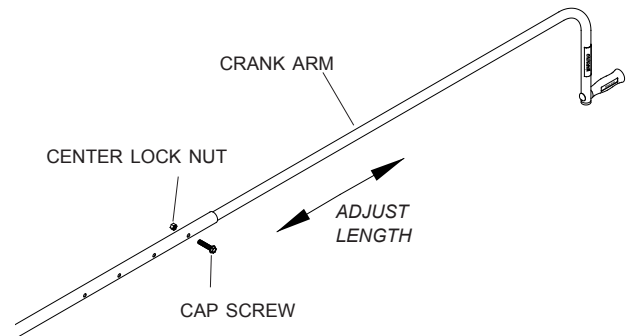
**STEP 2:** Determine crank retainer location on rear of box, positioning crank retainer above crank arm on crank extension.



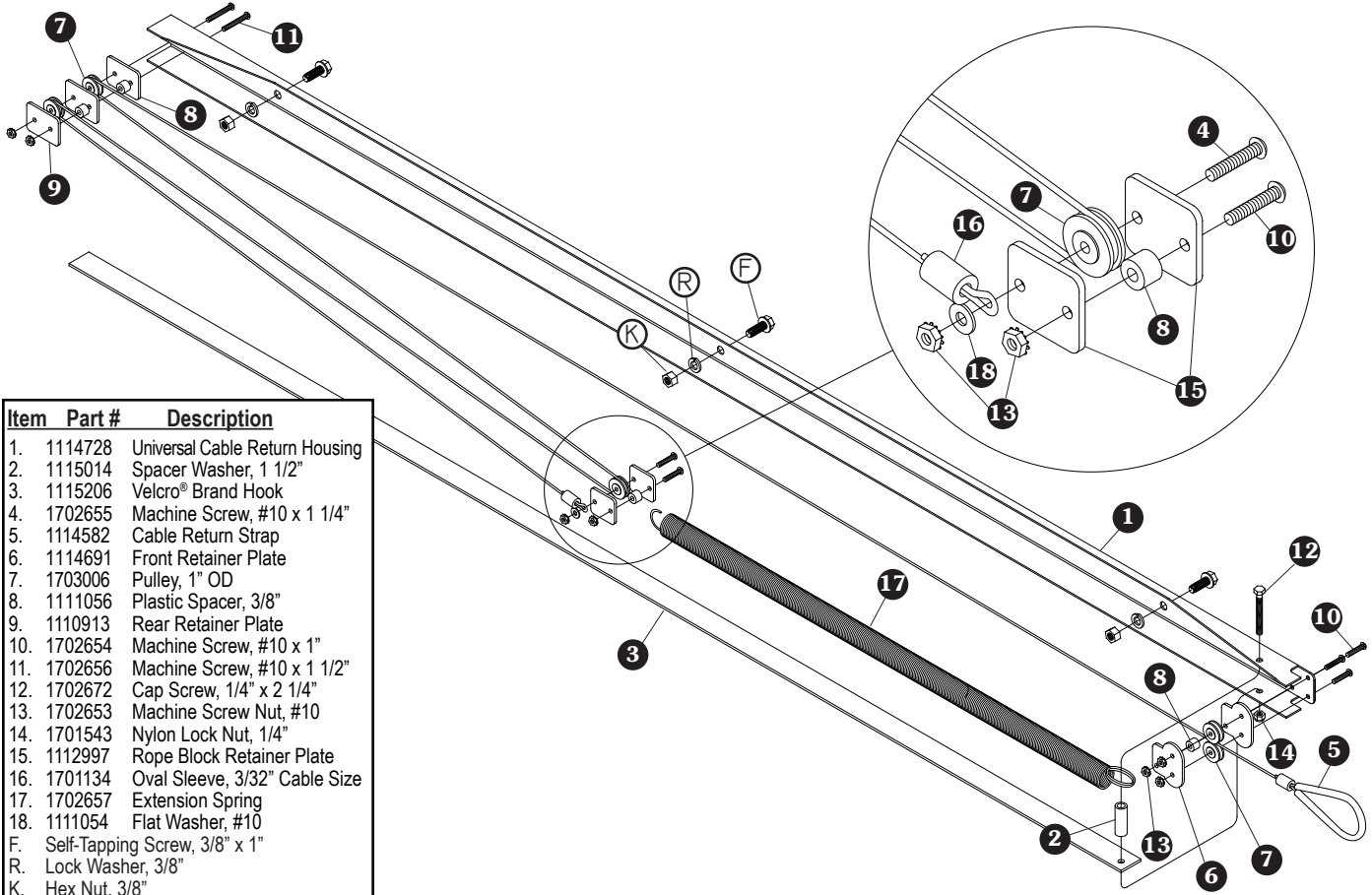
**STEP 3:** Mark and drill 5/16" holes and fasten retainer to box with screws **F**, lock washers **R**, and nuts **K**. Assemble wire lock pin and cable. Fasten cable with screw **F** between box and stand off.



**STEP 4:** Adjust crank arm length if required. Tighten screw, and nut on crank arm.

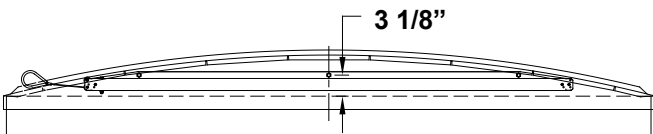


## REAR CABLE RETURN OPTION



| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1114728 | Universal Cable Return Housing |
| 2.   | 1115014 | Spacer Washer, 1 1/2"          |
| 3.   | 1115206 | Velcro® Brand Hook             |
| 4.   | 1702655 | Machine Screw, #10 x 1 1/4"    |
| 5.   | 1114582 | Cable Return Strap             |
| 6.   | 1114691 | Front Retainer Plate           |
| 7.   | 1703006 | Pulley, 1" OD                  |
| 8.   | 1111056 | Plastic Spacer, 3/8"           |
| 9.   | 1110913 | Rear Retainer Plate            |
| 10.  | 1702654 | Machine Screw, #10 x 1"        |
| 11.  | 1702656 | Machine Screw, #10 x 1 1/2"    |
| 12.  | 1702672 | Cap Screw, 1/4" x 2 1/4"       |
| 13.  | 1702653 | Machine Screw Nut, #10         |
| 14.  | 1701543 | Nylon Lock Nut, 1/4"           |
| 15.  | 1112997 | Rope Block Retainer Plate      |
| 16.  | 1701134 | Oval Sleeve, 3/32" Cable Size  |
| 17.  | 1702657 | Extension Spring               |
| 18.  | 1111054 | Flat Washer, #10               |
| F.   |         | Self-Tapping Screw, 3/8" x 1"  |
| R.   |         | Lock Washer, 3/8"              |
| K.   |         | Hex Nut, 3/8"                  |

**STEP 1:** Mark point on center line of face panel 3 1/8" above upper edge of top rail.



**STEP 2:** Center punch and drill 13/32" hole at mark.

**STEP 3:** Align center mounting hole on return to drilled hole in cap and fasten with screw **F**, lock washer **R**, and nut **K**.

**STEP 4:** Align cable return parallel with top rail on box.

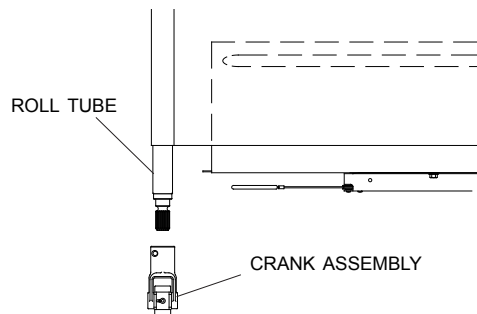
**STEP 5:** Mark mounting holes and repeat steps 2 and 3.

**STEP 6:** Release tarp from latch plate and let hang over side of trailer.

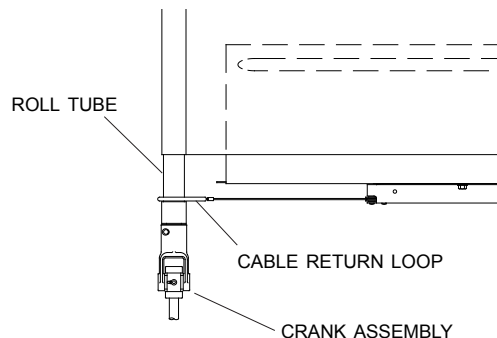
**TIPS -**

Install spacer, such as S/40 PVC pipe, to align cable with pulleys and/or separate cable loop from weld.  
 Adjust cable to prevent rubbing on objects and fraying.  
 Remove weld spatter or debris from roll tube.  
 Replace cable assembly every two years.  
 Roll tube must extend at least 4" past front of trailer - purchase 4'ft. roll tube #111719 if required.

**STEP 7:** Remove crank assembly from roll tube.

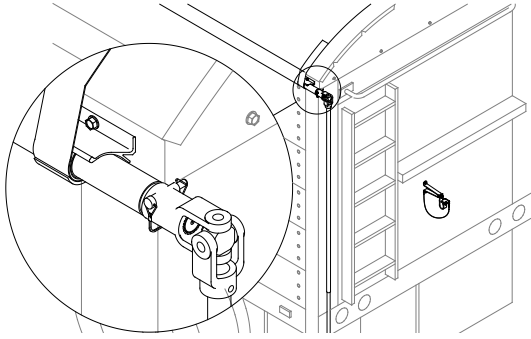


**STEP 8:** Slide cable return loop over roll tube, and reinstall crank assembly.

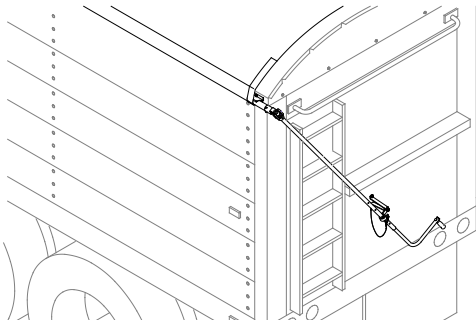


## TARP TENSION ADJUSTMENT

**STEP 1:** Hold crank firmly with both hands and roll tarp closed under latchplate. Bring crank handle down perpendicular to ground.

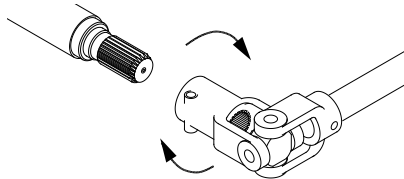


**STEP 2:** Tighten tarp by lifting crank handle up into crank retainer.



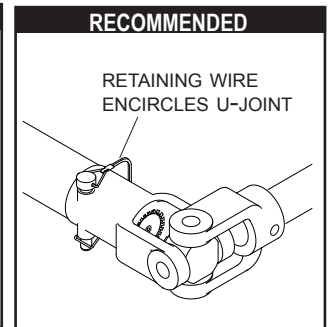
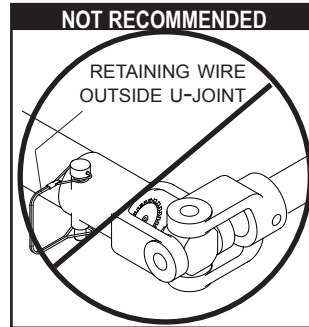
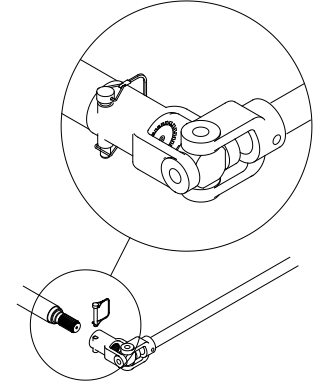
**STEP 3:** Check tarp tension. It should take 40 - 60 pounds of pressure to force the crank handle into crank retainer. The crank extension will bend 1/8".

**STEP 4:** Adjust tension if required, by removing the U-Joint from the splined shaft, rotating U-Joint one tooth and replacing it on to the splined shaft.

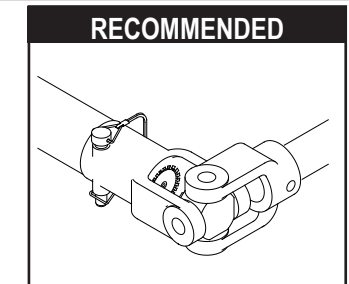
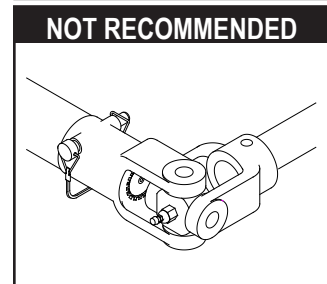


**STEP 5:** Repeat Steps 3 and 4 until correct tension is achieved.

**STEP 6:** Secure U-Joint to splined shaft with wire lock pin.



**NOTE:** U-joint is designed to operate as shown below at right, and is able to withstand considerably more pressure in this position.



**NOTE:** Monitor tarp tension daily to prevent premature tarp wear.

## CRANK SAFETY

⚠ CAUTION

Do not open or close tarp without U-joint securely fastened to splined shaft with wire lock pin.

⚠ CAUTION ⚠

Uncontrolled crank spin. Hold crank firmly with both hands while operating. Failure to do so may result in minor or moderate injury.

PLACE ONLY THE LOWER PORTION OF THIS DECAL IN A LOCATION VISIBLE TO THE OPERATOR OR ALL WARRANTIES ARE VOID!!

ATTENTION!

THE TARP MUST BE KEPT TO A RECOMMENDED 40-60 LBS. OF TENSION OR EXCESSIVE TARP WEAR MAY OCCUR. DO NOT WALK OR STAND ON THE END CAPS.

DO NOT OPERATE THIS VEHICLE, AT HIGHWAY SPEEDS WHILE THE TARP SYSTEM IS IN THE "OPEN" POSITION!

|  |   |   |   |
|--|---|---|---|
| 1. Crank the tarp up under the latch plate | 2. Bring the crank arm down to a vertical position. | 3. Lift the crank arm up to the crank retainer. | To Adjust The Tarp Tension:                               |
|  |   |   | 1. Allow the tarp to roll down away from the latch plate. |
|  |   |   | 2. Remove the crank arm from the splined shaft.           |
|  |   |   | 3. Rotate the crank one or two teeth and reassemble.      |

Shur-Co., Yankton, SD 1-800-4 SHUR-LOK

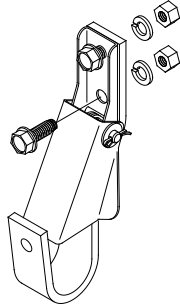
**NOTE:**

Install warning decal shown above near crank retainer on box or all warranty claims will be void.

## OPTIONS & UPGRADES

### OFFSET PINLESS CRANK RETAINER

Secure the crank arm more quickly and safely than ever before! No pins and cables to hassle with. Easy to install using the same bolt pattern as the offset J-hook crank retainer. Works with the Shur-Flex crank. Retrofit kits available.

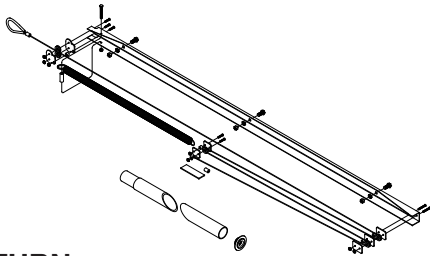


### ELECTRIC OPTIONS

Ask about our Electric Shur-Lok options. Shorten your load/unload time, while increasing your driving time and safety. Open and close your tarp from inside the cab.

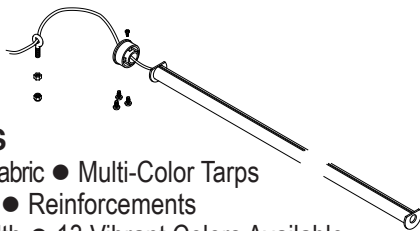
### FRONT CABLE RETURN

Uses a non-stretch cable and a heavy duty internal tension spring and pulley system. It is exactly what cold climates demand.



### SHUR-RETURN

Carrying a Lifetime Guarantee, the Shur-Return features steel construction, a steel tension spring, and 1/4" nylon rope. This ensures dependable operation in the coldest of climates.

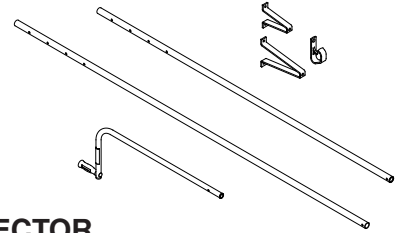


### TARP OPTIONS

22 oz. - Heavy Duty Fabric ● Multi-Color Tarps  
Personalized Tarps ● Reinforcements  
Extra Length or Width ● 13 Vibrant Colors Available

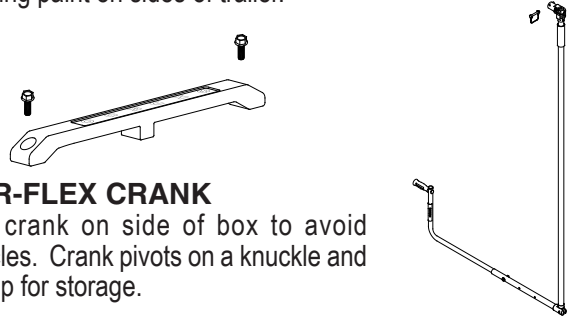
### STAINLESS STEEL

Ask about our stainless steel components.



### ROLL TUBE DEFLECTOR

Roll tube deflectors fasten to side of box, keeping roll tube from damaging paint on sides of trailer.



### SHUR-FLEX CRANK

Store crank on side of box to avoid obstacles. Crank pivots on a knuckle and folds up for storage.

### SHUR-PRO TARP REPAIR KIT

Shur-Co.'s deluxe tarp repair kit, repairs your tarp using the heat seal method. No messy adhesives or solvents. Kit includes Wagner heat gun, scissors, roller, 12 ft of 18 oz. or 22 oz. tarp (specify color) and instructions.



### STANDARD TARP REPAIR KIT

Shur-Co.'s standard tarp repair kit includes adhesive, cleaner, 10 ft of tarp (specify color) and instructions.



## OPERATION & MAINTENANCE

### MAINTENANCE SCHEDULE

#### Every 2-4 weeks:

1. Inspect tarp - repair any tears, cuts, or worn areas.
2. Inspect hardware - securely tighten any loose fasteners.

### OPERATING INSTRUCTIONS

#### To uncover load:

1. Release crank from crank retainer.
2. Turn crank clockwise (counter-clockwise for reverse roll) until tarp has rolled up against tarp stops.
3. Place crank back into crank retainer.

#### To cover load:

1. Release crank from crank retainer.
2. Turn crank counter-clockwise (clockwise for reverse roll) until tarp is unrolled over edge of trailer.
3. Continue cranking to roll tarp up under latchplate.
4. Bring crank arm down to a vertical position.
5. Swing crank arm up, and place into crank retainer.

**Close cover** at all times except when loading or unloading, to extend the life of your Shur-Lok system.

**Open cover** while unloading box. Unloading box with cover closed will create a vacuum which could cause system damage.

### OPERATING SAFETY INSTRUCTIONS

1. **Keep body and clothing clear of moving parts.**
2. **Hold crank firmly with both hands while opening and closing tarp.**
3. **Keep tarp tension to 40 - 60 lb. of tension in crank retainer or excessive tarp wear may occur.**
5. **Secure U-joint on crank arm to splined shaft on roll tube with wire lock pin before opening or closing tarp.**
6. **Do not drive vehicle at highway speeds with tarp opened.**







ENGINEERED TARPING SOLUTIONS

## *Quality Shur-Co. Products...*

- Value Series Shur-Lok®
- Super Duty Shur-Lok®
- Heavy Duty Shur-Lok®
- Shur-Lok® Junior
- 3500 Series Electric Shur-Lok®
- Super Duty Electric Shur-Lok®
- Value Series Electric Shur-Lok®
- Value Series Belt & Ratchet
- Shur-Matic® Arm System
- UltraSteel Arm System
- Shur-Trak II™ Cable System
- Cover-Pro II® Cable System
- Premium Belt & Ratchet
- Cover-Up™ Pull System
- Lightweight Hay Covers
- Combine Hopper Extension Covers
- Fitted & Flat Covers
- Turning Point Bow System
- Electric Turning Point Bow System
- Flexbow® System
- Aluminum Bow System
- Heavy Duty Bow System
- ProTrap Electric Hopper Door Opener
- Flatbed Load Control
- Interior Van Cargo Control
- Lumber, Wallboard, Steel, Smoke & Coil Tarps
- Genuine Replacement Parts & Tarps



**SHUR-LOK**  
for  
Farm Bodies  
and  
Semi Trailers