



TARP SYSTEMS & ACCESSORIES

READ BEFORE INSTALLING

P/N 1115708 Rev. W



# End Dumps, Belly Dumps & Dump Bodies


## OWNER'S MANUAL

2309 SHUR-LOK STREET • YANKTON, SD 57078-0713  
PHONE: 1-800-SHUR-LOK (1-800-474-8756) • FAX: 1-605-665-0501  
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**SHUR-CO<sup>®</sup> UK LIMITED**  
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**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 system.

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

Failure to READ AND FOLLOW INSTRUCTIONS could result in failure of your tarping system and/or personal injury. Your trailer requirements may, however, call for minor variations to these instructions.

Please inspect your tarping system periodically and repair or replace worn or damaged parts.

**QUESTIONS? CALL OUR HELP LINE:**  
**1-866-748-7435**  
 MON-FRI 8 AM-5 PM CENTRAL TIME

**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.**

**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.

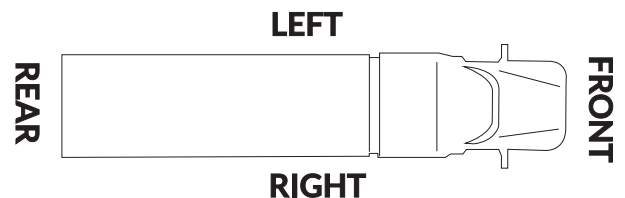
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**TOOLS REQUIRED**

1. #2 Phillips Screw Driver Bit
2. #3 Phillips Screw Driver Bit
3. Air or Electric Impact Wrench w/9/16" & 1/2" Sockets
4. 9/16" Combination Wrench
5. 13/32" Drill
6. 11/32" Drill Bit
7. 3/16" Drill Bit (for 1/4" Self-Drilling Screws)
8. 5/16" Drill Bit (for 3/8" Self-Tapping Screws)
9. 3/8" Drill Bit (for 3/8" Cap Screws)
10. 3/32" Allen Wrench
11. 3/4" Wrench
12. 1/2" Wrench
13. Welder
13. Hammer

**VEHICLE ORIENTATION**



**NOTE:** Wherever 3/8 inch x 1 inch self-tapping screws (F) are used, include washers and nuts, if possible, and drill 13/32 inch holes. Self-tapping screws used without washers and nuts require 5/16 inch holes and a minimum wall thickness of 3/16 inches.

**A**



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

**B**



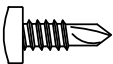
1704743 - Self-Drilling Screw - #10 x 1/2"

**C**



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

**D**



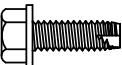
1700398 - Self-Drilling Screw - 1/4" x 3/4"

**E**



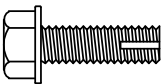
1704768 - Self-Drilling Screw - 1/4" x 3/4"

**F**



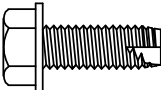
1700403 - Self-Tapping Screw - 1/4" x 3/4"

**G**



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

**H**



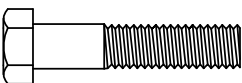
1700400 - Self-Tapping Screw - 3/8" x 1"

**J**



1704706 - Button Hd. Cap Screw - 3/8" x 1-1/4"

**K**



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

**TARP INSPECTION**

**Tarp length:** Determine tarp length with slight tension applied. Compare actual tarp length with length stated on sheet attached to tarp. If actual 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**

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.

**L**



1701543 - Nylon Lock Nut - 1/4"

**M**



1700411 - Hex Nut - 5/16"

**N**



1700419 - Nylon Lock Nut - 5/16"

**P**



1700407 - Hex Nut - 3/8"

**Q**



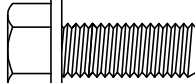
1700418 - Centerlock Nut - 3/8"

**R**



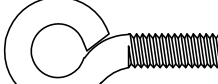
1701283 - Top Lock Flange Nut - 3/8"

**S**



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

**T**



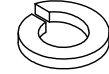
1700717 - Eyebolt - 5/16"

**U**



1700427 - Flat Washer - 1/4"

**V**



1700433 - Lock Washer - 5/16"

**W**



1700434 - Lock Washer - 3/8"

**X**



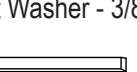
1703373 - Flat Washer - 1/2"

**Y**



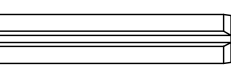
1701176 - Flat Washer - 3/8"

**Z**

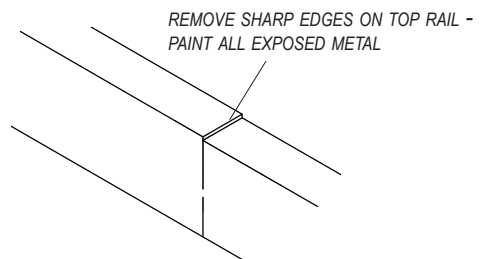


1701118 - Spring Pin - 1/4" x 1-3/16"

**a**

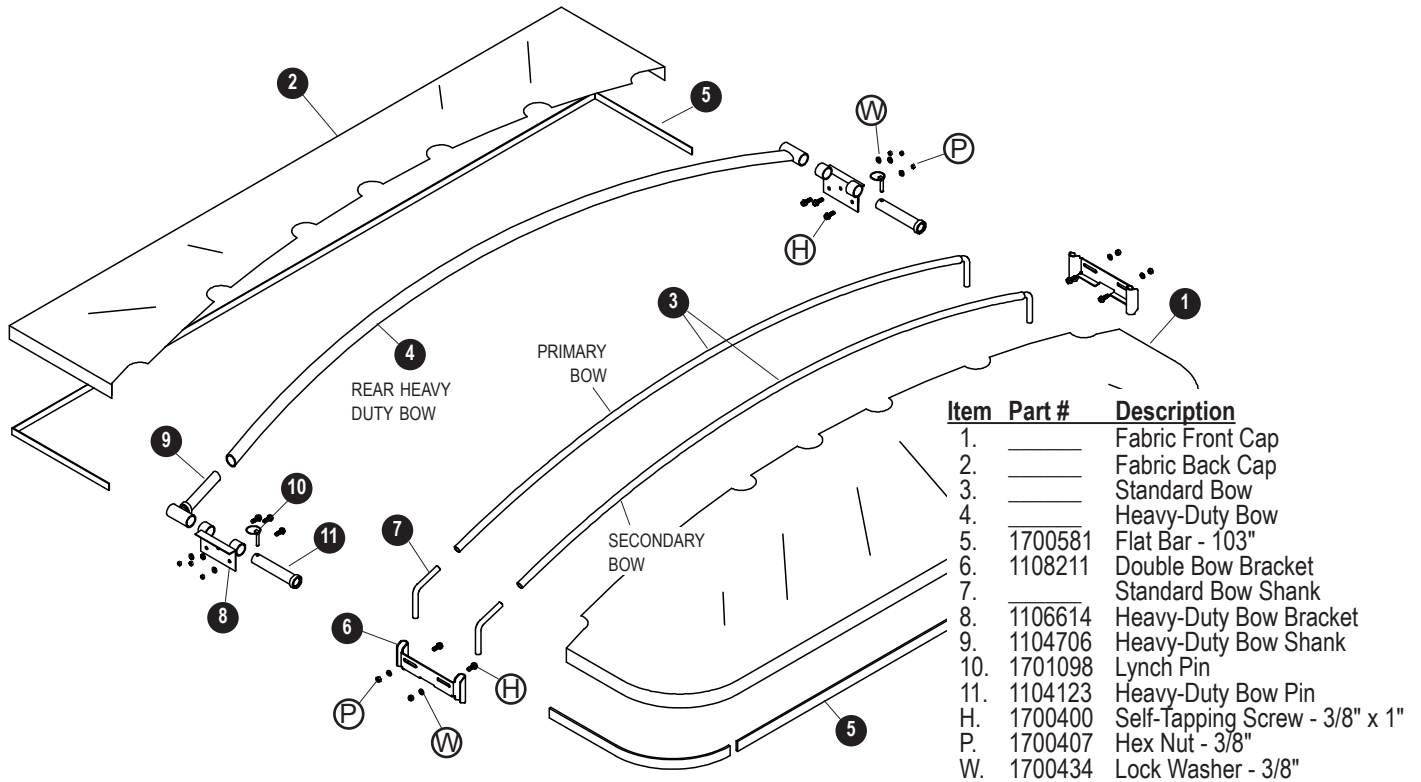


1700443 - Spring Pin - 3/8" x 2"



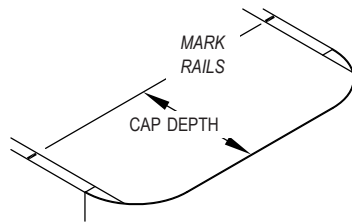
**CAUTION**

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

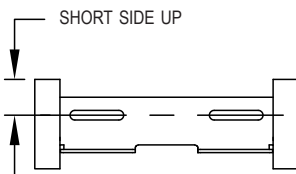


**STEP 1:** Measuring from front of box, mark cap depth on both top rails per cap depth listed on cap tag.

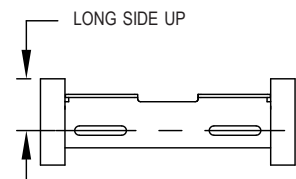
**NOTE:** If fabric cap depth does not match cap depth listed on cap tag, do not proceed. Contact Shur-Co® for further instructions.



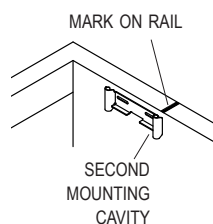
**STEP 2:** 1-1/2 to 3 inch wide rails. Position double bow brackets with short side up.



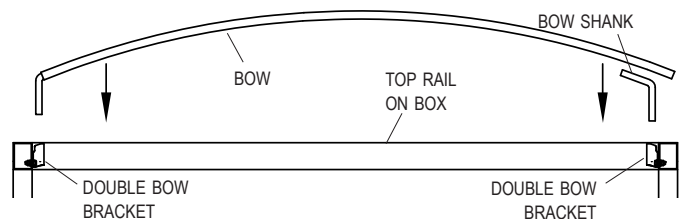
**3 to 6 inch wide rails.** Position double bow brackets with long side up.



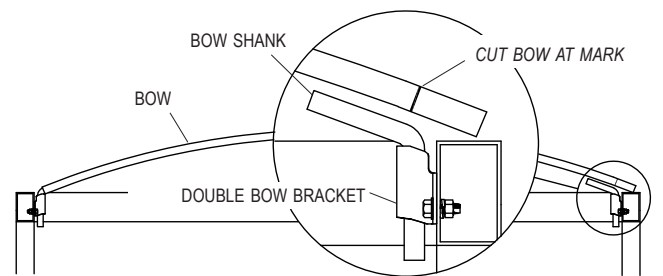
**STEP 3:** Position double bow brackets on rails with second mounting cavities centered on marks. Clamp brackets to rails.



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

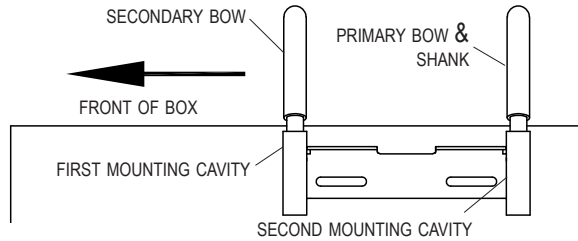


**STEP 5:** Align bow with bow shank. Mark bow at point where bend starts on shank. Cut both bows to this length.

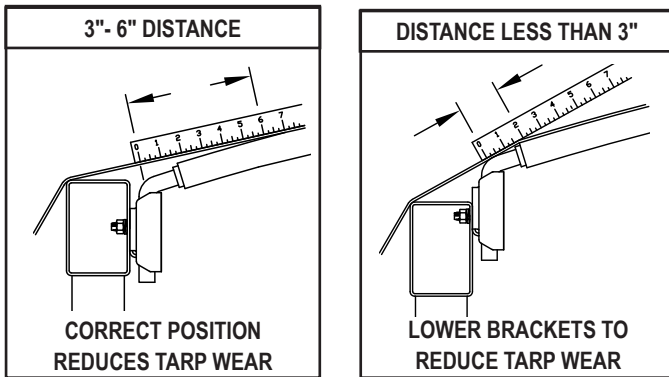


**NOTE:** Cut bows to exact length. If bows are too short and not welded to shank, pressure from tarp will flatten arch in bows.

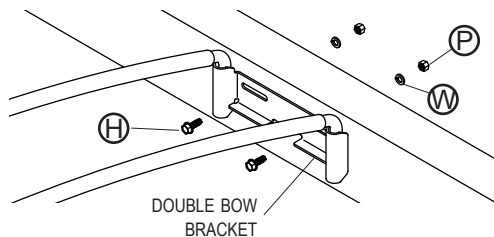
**STEP 6:** Weld bow shank into secondary bow, leaving primary bow and shank unwelded. Insert secondary bow into first mounting cavities in bow brackets. Mount primary bow and shank into second mounting cavities.



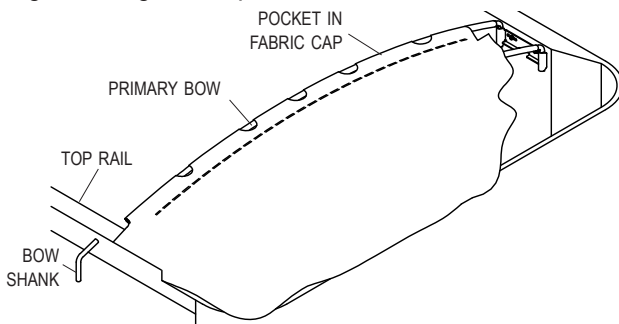
**STEP 7:** Adjust bow brackets vertically to achieve a distance of 3 to 6 inches between bend in bow shank and point where tarp will contact bow.



**STEP 8:** Mark and drill 5/16 inch holes. Mount brackets with screws (H), washers (W) and nuts (P).

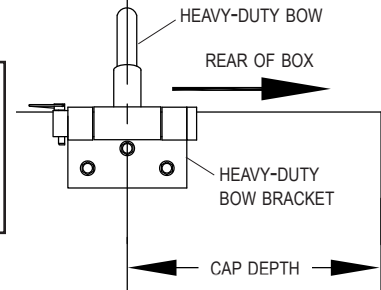


**STEP 9:** Remove primary bow shank from bow bracket and bow. Install fabric cap onto bow. Replace shank into bow and bow bracket. Allow front and sides of fabric cap to hang over edges of top rail on front of box.



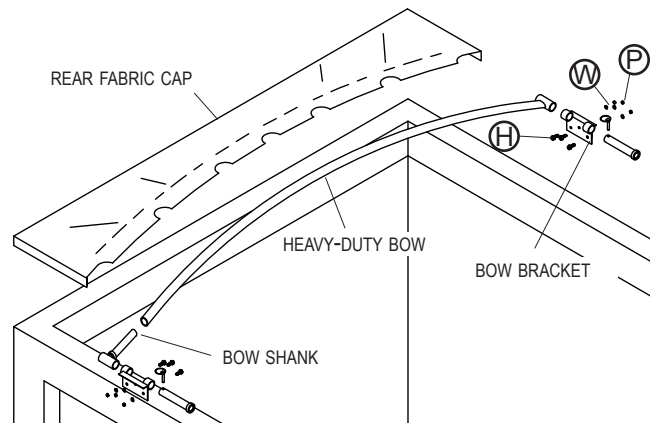
**STEP 10:** Install rear fabric cap at rear of box in same manner as front cap, except install either single bow or heavy-duty bow in place of double bow assembly.

**NOTE:** For standard bows, follow instructions on page 6 to install rear fabric cap with single standard bow.

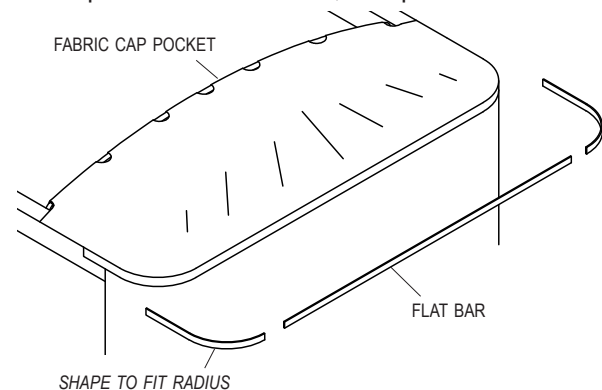


**STEP 11:** Follow instructions on page 11 to install heavy-duty bow, or on page 10 to install standard single bow.

**NOTE:** Cut bow to exact length. See STEP 3 on page 11.

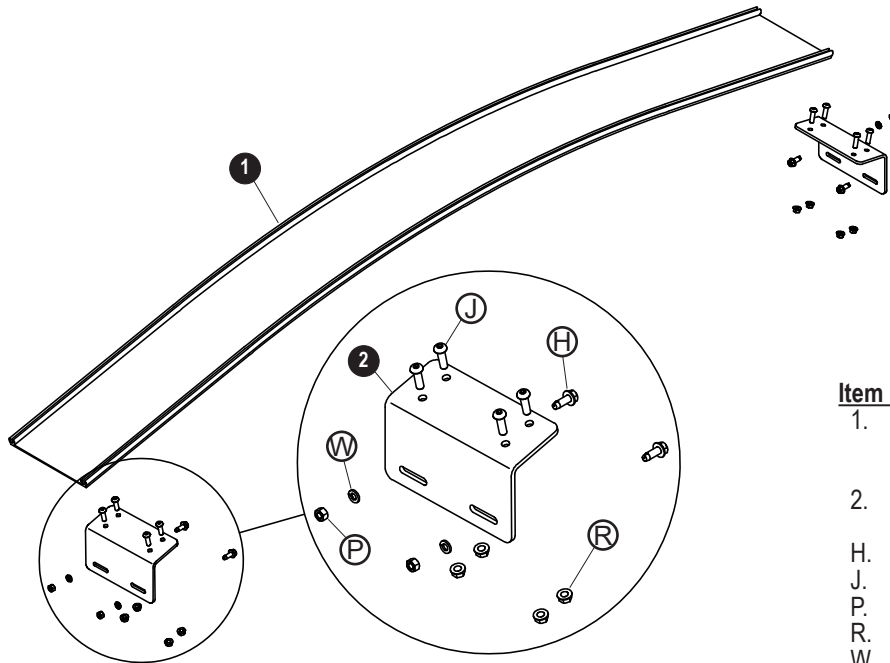


**STEP 12:** Cut aluminum flat bar sections 1/2 inch shorter than pocket lengths. Insert sections into fabric cap pocket. Shape to fit corner radius, if required.



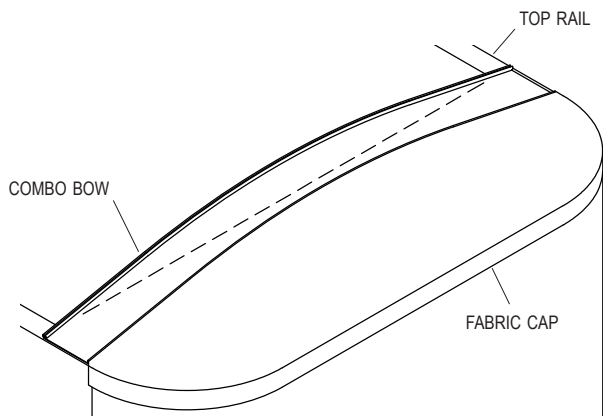
**NOTE:** Use one piece of flat bar across straight portion on front of cap. Side and radius may be one piece. Use as few pieces as possible. Supply even tension over fabric cap for a secure and clean fit.

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

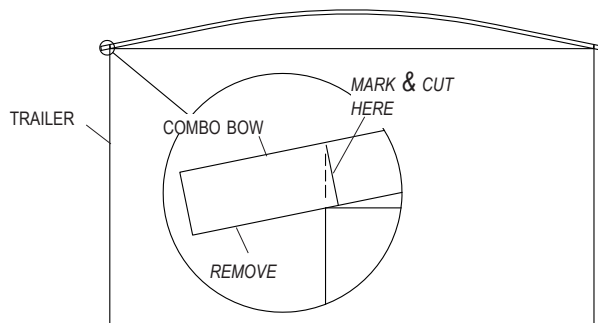


| Item | Part #  | Description                           |
|------|---------|---------------------------------------|
| 1.   | 1122863 | Combo Bow - 90-1/2" x 8" Rise         |
|      | 1122862 | Combo Bow - 104-1/2" x 12" Rise       |
|      | 1122865 | Combo Bow - 98-1/2" x 12" Rise        |
| 2.   | 1122897 | Combo Bow Bracket - 12°               |
|      | 1122899 | Combo Bow Bracket - 17°               |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"        |
| J.   | 1704706 | Button Head Cap Screw - 3/8" x 1-1/4" |
| P.   | 1700407 | Hex Nut - 3/8"                        |
| R.   | 1701283 | Top Lock Flange Nut - 3/8"            |
| W.   | 1700434 | Lock Washer - 3/8"                    |

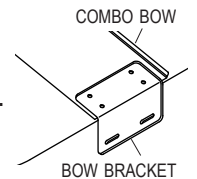
**STEP 1:** Place combo bow on top of trailer, across front. Determine mounting location according to depth of fabric cap packaging plus 10 inches. Mark location on top rails.



**STEP 2:** Center combo bow on trailer. Mark both sides of bow as shown, with no part of bow extending past side of trailer. Remove excess material from combo bow.

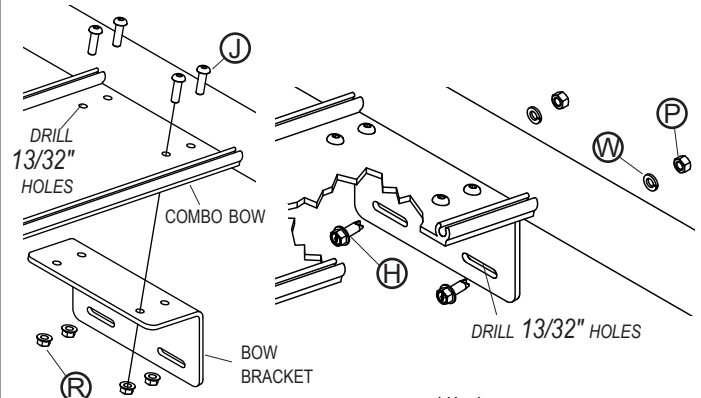


**STEP 3:** Center bow brackets under combo bow, against inside of trailer. Mark bracket locations and remove bow.

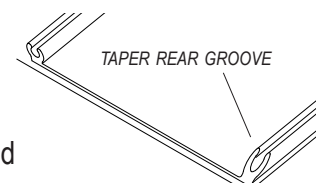


**STEP 4: Option A:** Align bow brackets with marks. Weld in place.

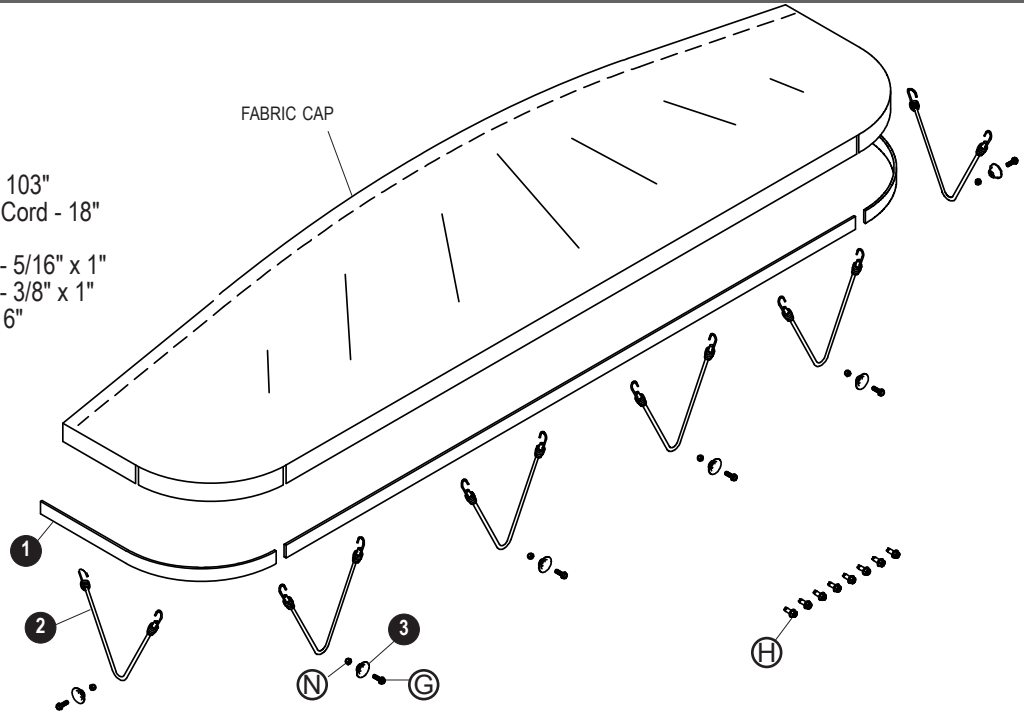
**Option B:** Align bow brackets with marks. Using brackets as guides, mark hole locations on combo bow and on inside of trailer. Drill 13/32 inch holes in combo bow and trailer. Fasten bracket to combo bow with screws (J) and nuts (R). Fasten brackets loosely to trailer with screws (H), washers (W) and nuts (P).



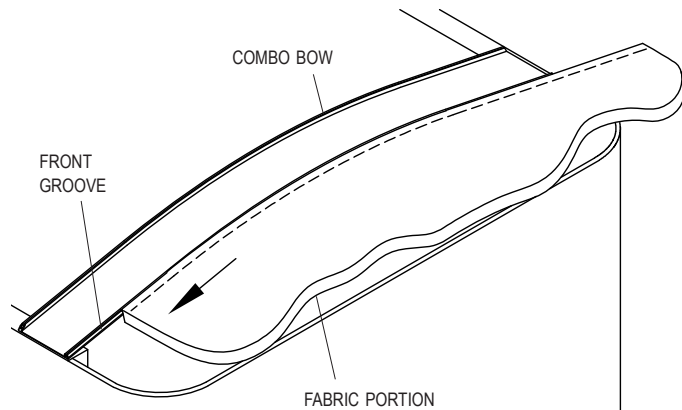
**STEP 5:** To prevent tarp wear, taper ends of rear groove on both sides of combo bow. Grind sharp edges smooth.



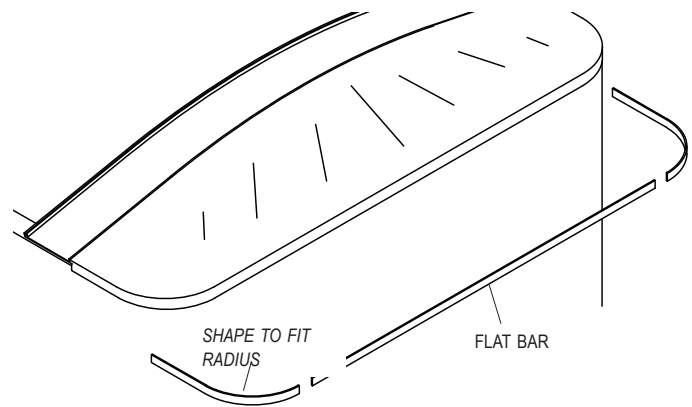
| Item | Part #  | Description                     |
|------|---------|---------------------------------|
| 1.   | 1700581 | Flat Bar - 1/8" x 1" x 103"     |
| 2.   | 1700990 | Heavy-Duty Stretch Cord - 18"   |
| 3.   | 1701355 | Rope Anchor                     |
| G.   | 1701059 | Self-Tapping Screw - 5/16" x 1" |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"  |
| N.   | 1700419 | Nylon Lock Nut - 5/16"          |



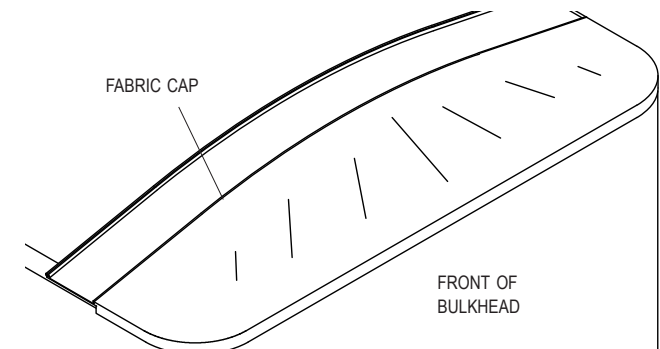
**STEP 1:** Apply small amount of lubricant to front groove on combo bow. Slide rod in fabric portion of cap entirely into groove.



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



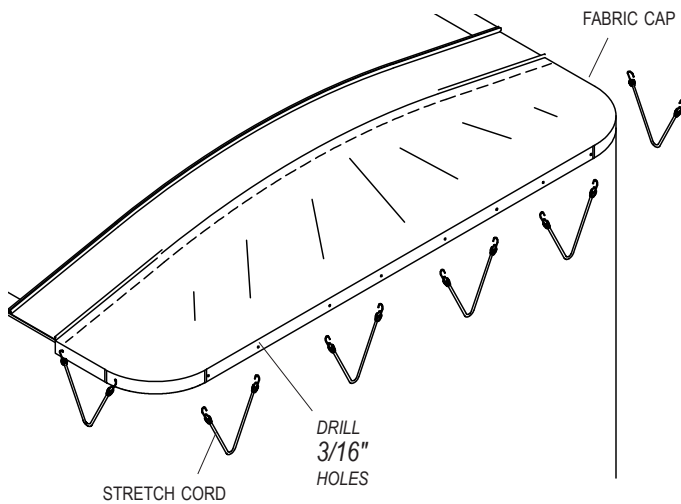
**STEP 3:** Work fabric cap over front of bulkhead. Align seam in fabric with weld along top of trailer.



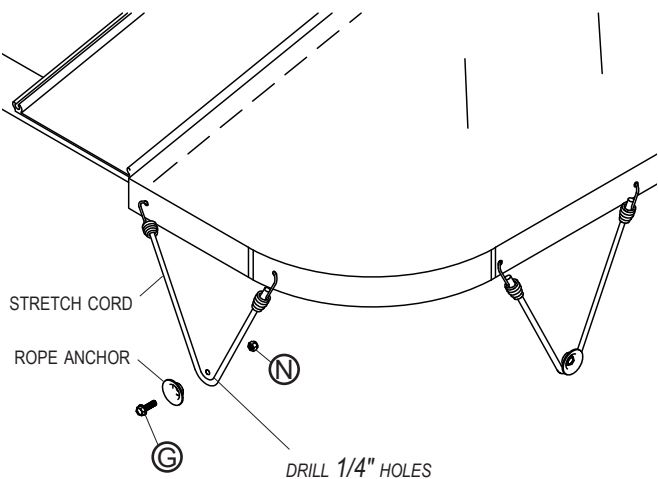
**NOTE:** Use one section of flat bar across straight portion on front of cap. Side and radius may be one section. Use as few sections as possible. Supply even tension over fabric cap for secure and clean fit.

**FLAT BAR & STRETCH CORD OPTION**

**STEP 4:** Locate one stretch cord on center of each side of fabric cap. Equally space remaining stretch cords across face of cap. For each stretch cord, drill two 3/16 inch holes through aluminum flat bar. Hook stretch cords into holes.

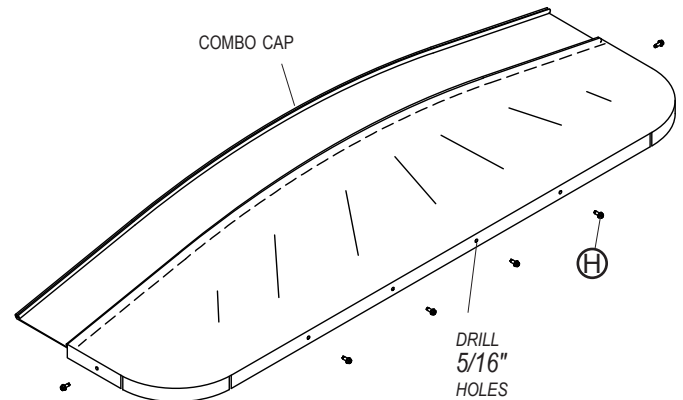


**STEP 5:** Locate rope anchors so stretch cords receive at least 10 pounds of pressure. Drill 1/4 inch holes and fasten rope anchors with screws (G) and nuts (N). Hook stretch cords over rope anchors.



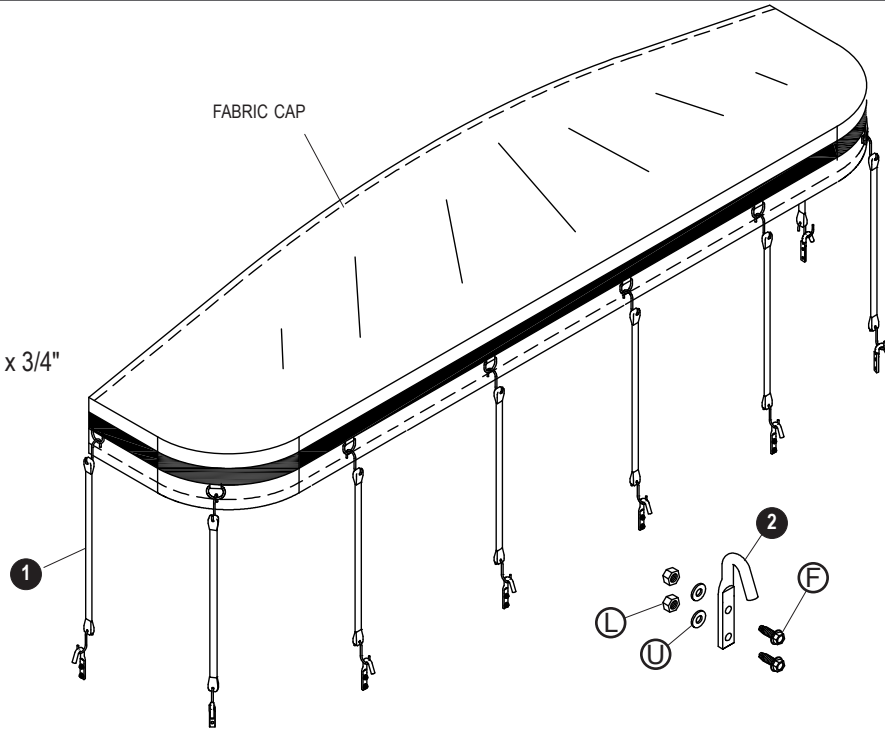
**FLAT BAR ONLY OPTION**

**STEP 4:** Drill 5/16 inch holes through aluminum flat bar and fasten cap to trailer with screws (H). Install two screws (H) on each side of caps, and equally space remaining screws.

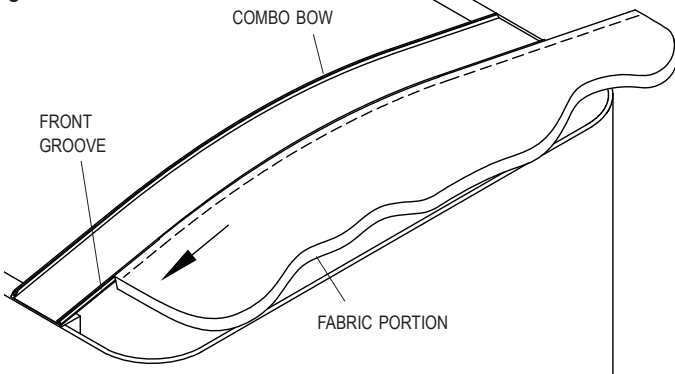


**RUBBER TARP STRAP OPTION**

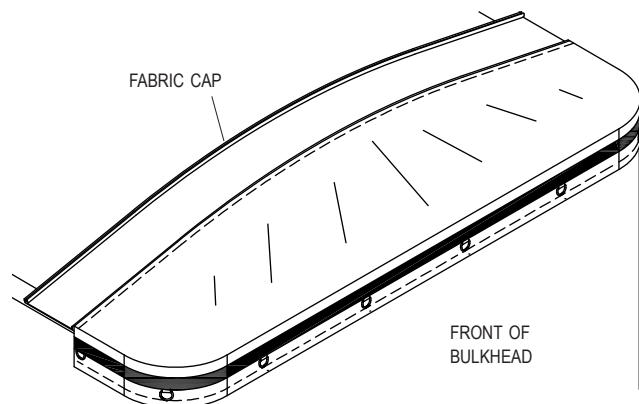
| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| 1.   | 1700650 | Rubber Tarp Strap - 21"          |
| 2.   | 1700682 | Box Hook - 5/16" Holes           |
| F.   | 1700403 | Self-Tapping Screw - 1/4" x 3/4" |
| L.   | 1701543 | Nylon Lock Nut - 1/4"            |
| U.   | 1700427 | Flat Washer - 1/4"               |



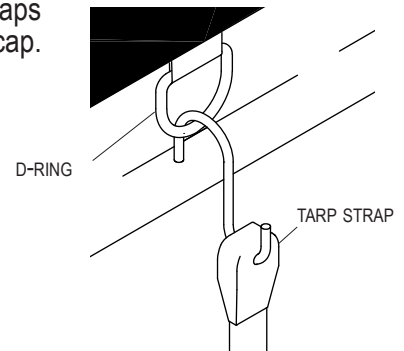
**STEP 1:** Apply small amount of lubricant to front groove on combo bow. Slide rod in fabric cap entirely into groove.



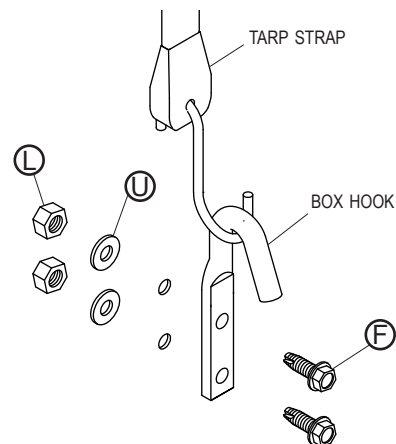
**STEP 2:** Work fabric cap over front of bulkhead. Align seam in fabric with weld along top of trailer.

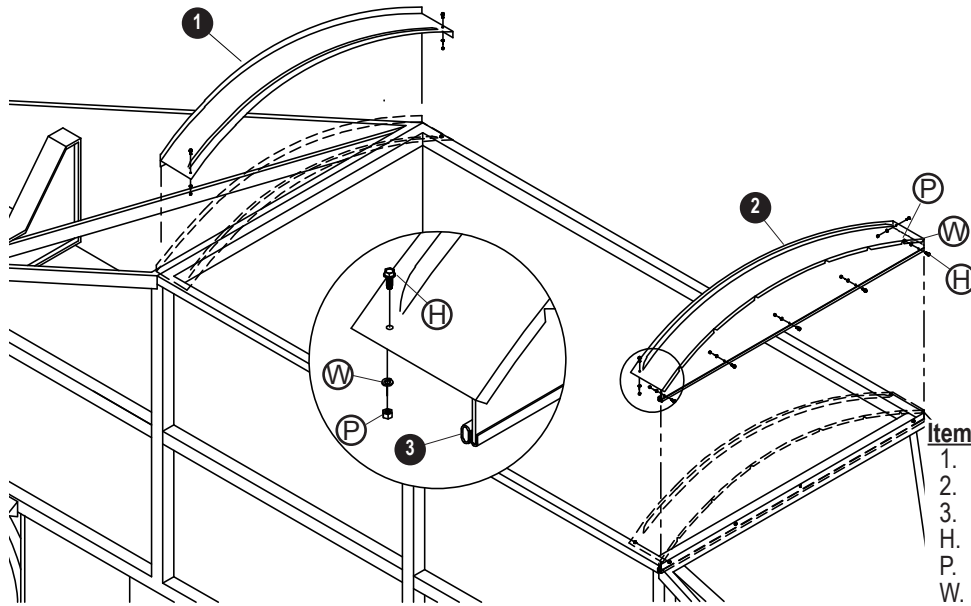


**STEP 3:** Hook tarp straps into D-rings on fabric cap.



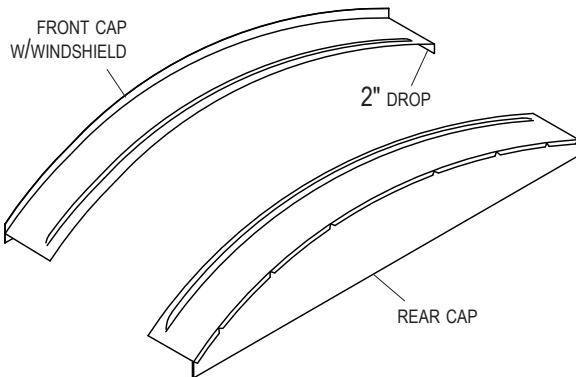
**STEP 4:** Locate box hooks so tarp straps receive at least 10 pounds of pressure. Drill 1/4 inch holes and fasten box hooks with screws (F), washers (U) and nuts (L). Hook tarp straps into box hooks.





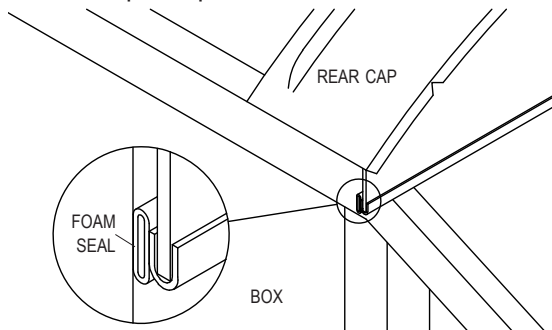
| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   |         | Aluminum Front Cap             |
| 2.   |         | Aluminum Back Cap              |
| 3.   | 1700152 | Trim Seal                      |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| P.   | 1700407 | Hex Nut - 3/8"                 |
| W.   | 1700434 | 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.

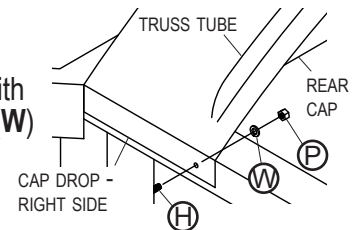


**NOTE:** To install your tarp to open from right side of trailer (reverse roll), remove 2 inch cap drop on right side of caps prior to installation.

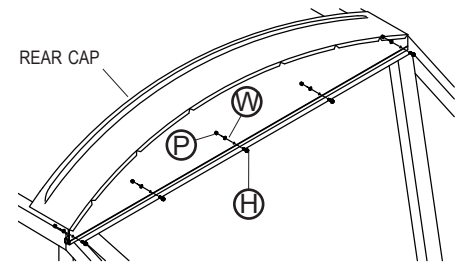
**STEP 2: Trim seal.** Apply trim seal to caps, placing foam seal on inside. Tap into place.



**STEP 3: Install caps.** Drill 5/16 inch hole on cap drop near truss tube and fasten with screw (H). Use lock washer (W) and nut (P) where possible.

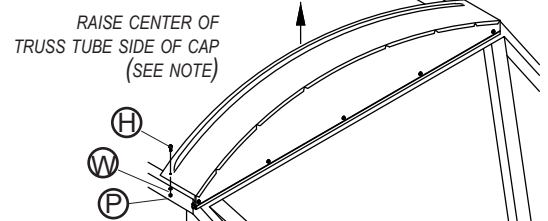


**STEP 4:** Evenly space five screws across face of cap. Mark and drill 5/16 inch holes and fasten with screws (H). Use lock washers (W) and nuts (P) where possible.

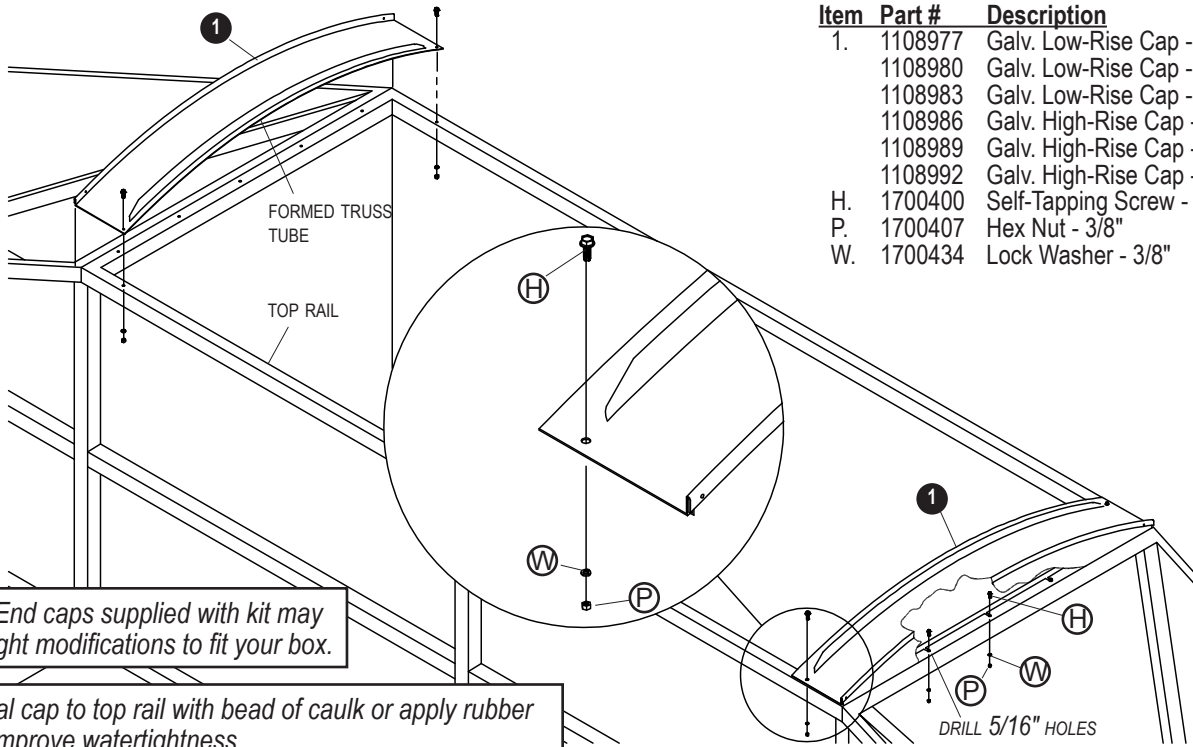


**NOTE:** For optimal water runoff and tarp support, make sure end caps are level before fastening sides of caps to box. While fastening sides of caps to box, raise center of truss tube side of cap to be level with or slightly higher than outside edge.

**STEP 5:** Drill 5/16 inch hole through left side of cap and rail as close as possible to truss tube. Fasten with screw (H). Use lock washer (W) and nut (P) where possible.



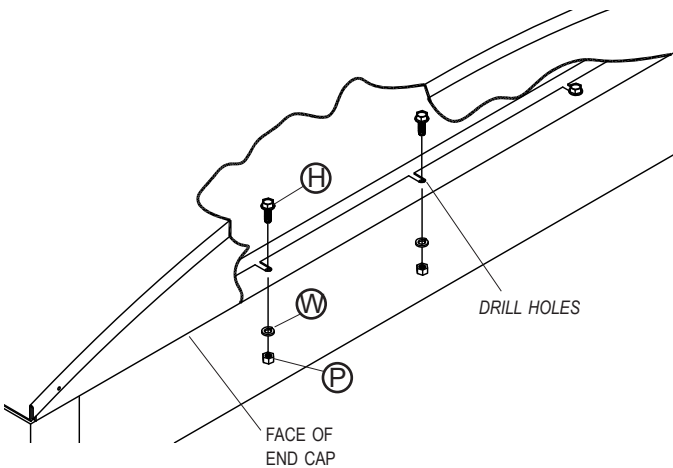
| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1108977 | Galv. Low-Rise Cap - 93"       |
|      | 1108980 | Galv. Low-Rise Cap - 95"       |
|      | 1108983 | Galv. Low-Rise Cap - 100"      |
|      | 1108986 | Galv. High-Rise Cap - 93"      |
|      | 1108989 | Galv. High-Rise Cap - 95"      |
|      | 1108992 | Galv. High-Rise Cap - 100"     |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| P.   | 1700407 | Hex Nut - 3/8"                 |
| W.   | 1700434 | 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 bead of caulk or apply rubber seal to improve watertightness.

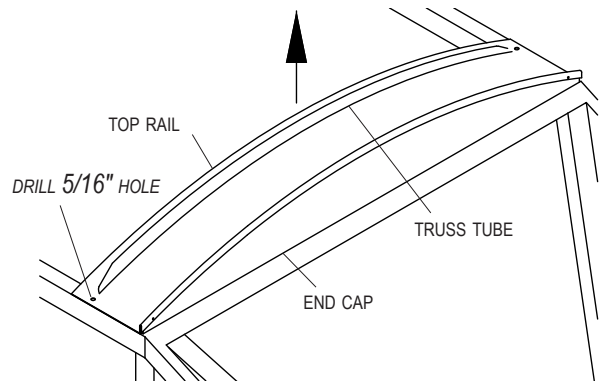
**STEP 1:** Center end cap on box and mark hole locations on top rail, aligning hole locations with slots in cap.



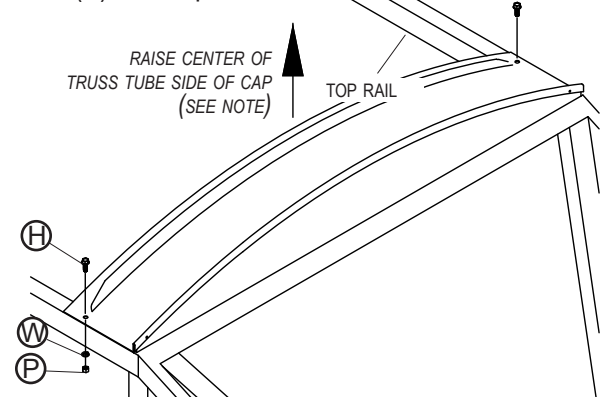
**STEP 2:** Drill 5/16 inch holes into marked locations on top rail and fasten with screws (H). Use lock washers (W) and nuts (P) where possible.

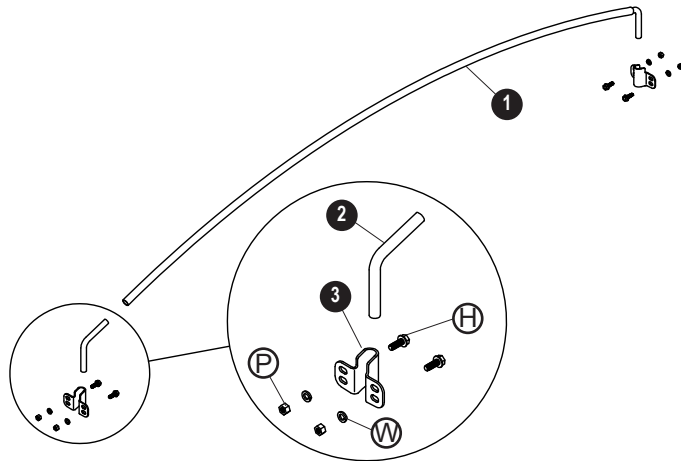
**NOTE:** For optimal water runoff and tarp support, make sure end caps are level before fastening sides of caps to box. While fastening sides of caps to box, raise center of truss tube side of cap to be level with or slightly higher than outside edge.

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



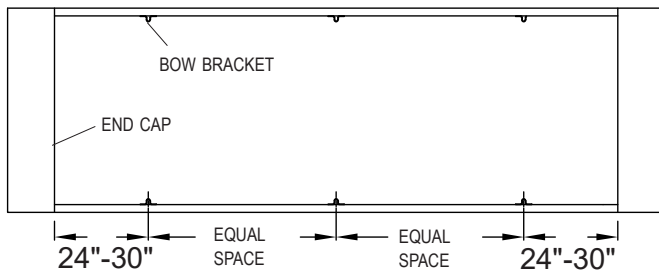
**STEP 4:** Fasten with screws (H). Use lock washers (W) and nuts (P) where possible.



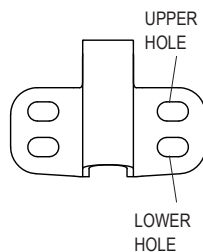


| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1100760 | Standard Low-Rise Bow          |
|      | 1100762 | Standard High-Rise Bow         |
|      | 1109149 | Standard Flat Bow              |
| 2.   | 1100695 | Standard Low-Rise Bow Shank    |
|      | 1106925 | Standard High-Rise Bow Shank   |
|      | 1109150 | Standard Flat Bow Shank        |
| 3.   | 1120836 | Single Bow Bracket             |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| P.   | 1700407 | Hex Nut - 3/8"                 |
| W.   | 1700434 | Lock Washer - 3/8"             |

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

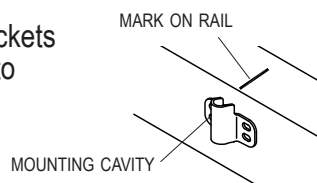


**STEP 2: 1-1/2 to 3 inch wide rails.** Position single bow brackets with long side up and fasten through upper holes.

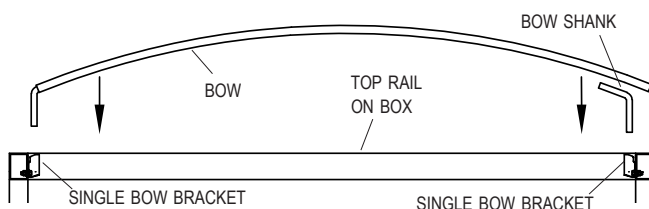


**3 to 6 inch wide rails.** Position single bow brackets with long side up and fasten through lower holes.

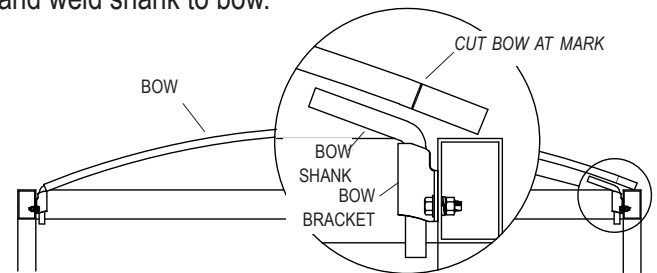
**STEP 3:** Align center of brackets with mark. Clamp brackets to rails.



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

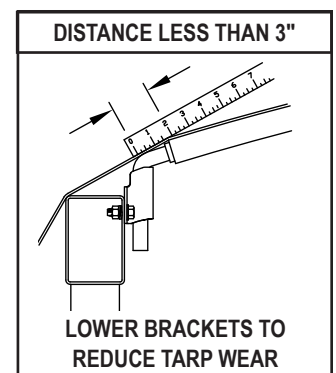
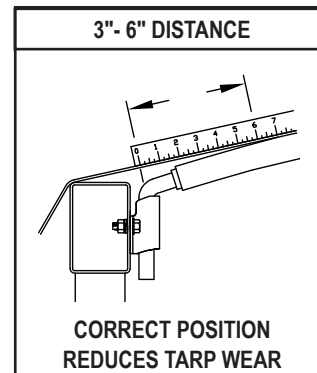


**STEP 5:** Align bow with bow shank. Mark and cut bow at point where bend starts on shank. Grind edges smooth and weld shank to bow.

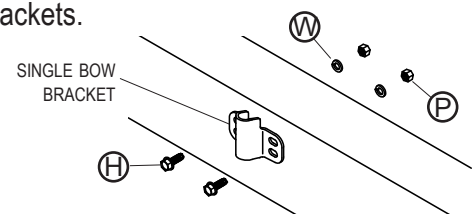


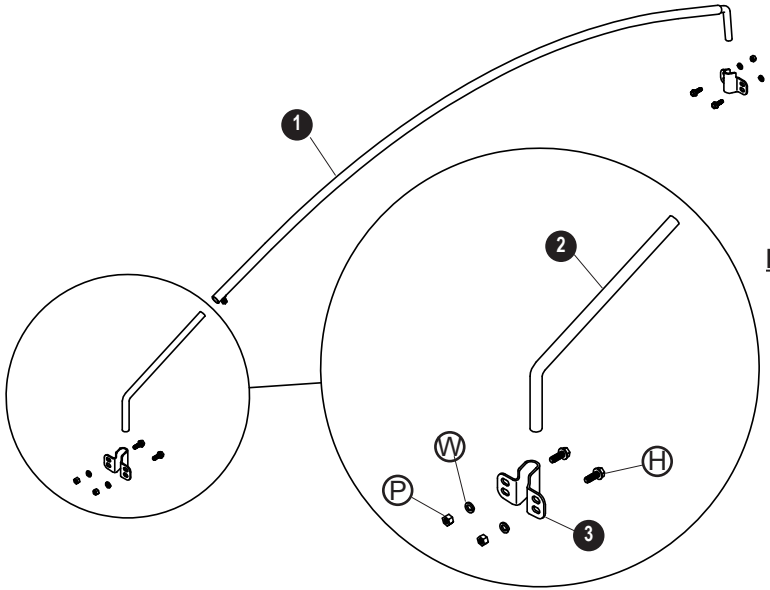
**NOTE:** Shanks must be welded to bows.

**STEP 6:** Adjust bow brackets vertically to create a distance of 3 to 6 inches between bend in bow shank and point where tarp will contact bow.



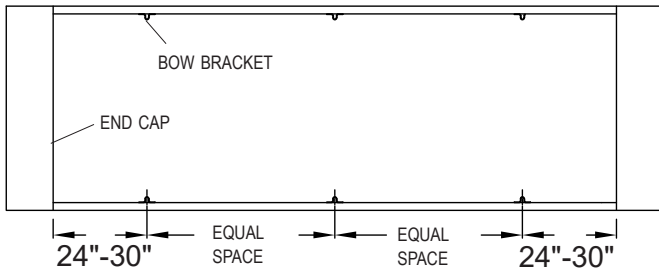
**STEP 7:** Mark and drill 5/16 inch holes. Mount brackets with screws (H), washers (W) and nuts (P). Install bows into bow brackets.





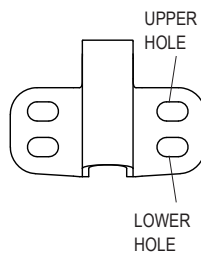
| Item | Part #  | Description                                      |
|------|---------|--|
| 1.   | 1122759 | Adjustable Bow - 8" Rise - 84" to 92" - Inside   |
|      | 1122627 | Adjustable Bow - 10" Rise - 84" to 92" - Inside  |
|      | 1122818 | Adjustable Bow - 8" Rise - 93" to 101" - Inside  |
|      | 1122819 | Adjustable Bow - 10" Rise - 93" to 101" - Inside |
|      | 1122820 | Adjustable Bow - 12" Rise - 93" to 101" - Inside |
| 2.   | 1122821 | Adjustable Bow Shank - 108°                      |
|      | 1122626 | Adjustable Bow Shank - 114°                      |
|      | 1122822 | Adjustable Bow Shank - 117°                      |
| 3.   | 1120836 | Single Bow Bracket                               |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"                   |
| P.   | 1700407 | Hex Nut - 3/8"                                   |
| W.   | 1700434 | Lock Washer - 3/8"                               |

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

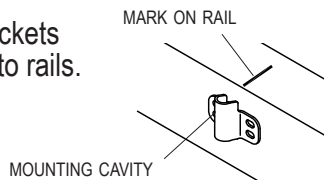


**STEP 2:** 1-1/2 to 3 inch wide rails. Position single bow brackets with long side up and fasten through upper holes.

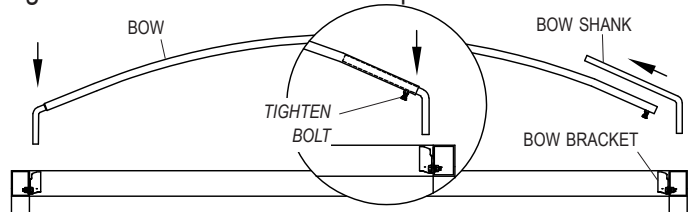
**3 to 6 inch wide rails.** Position single bow brackets with long side up and fasten through lower holes.



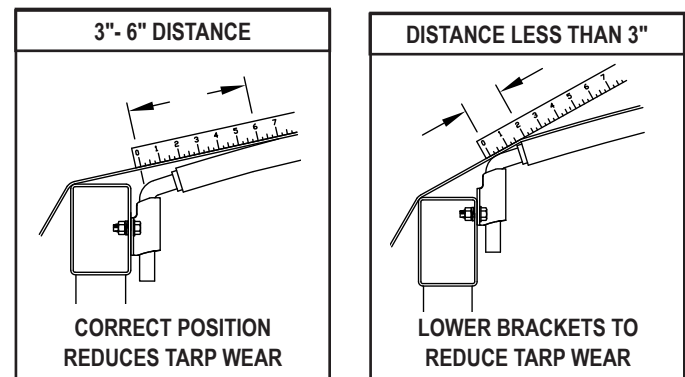
**STEP 3:** Align center of brackets with mark. Clamp brackets to rails.



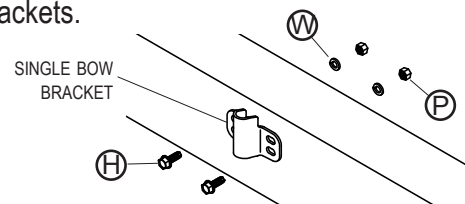
**STEP 4:** Place adjustable bow into bow bracket. Insert adjustable bow shank into open end of bow. Slide loose end of shank into bow bracket. Tighten 5/16 inch bolt against shank to secure shank in place.

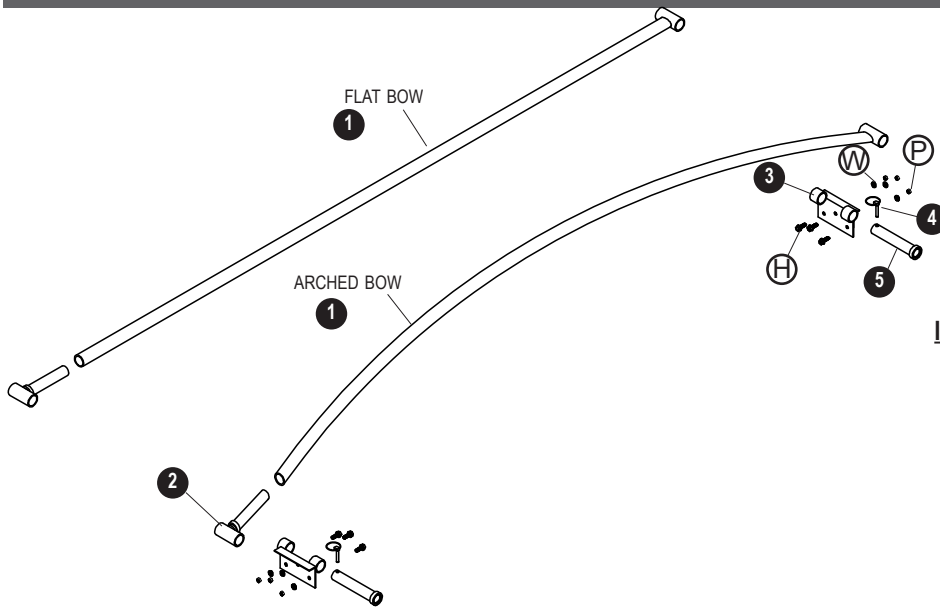


**STEP 5:** Adjust bow brackets vertically to create a distance of 3 to 6 inches between bend in bow shank and point where tarp will contact bow.



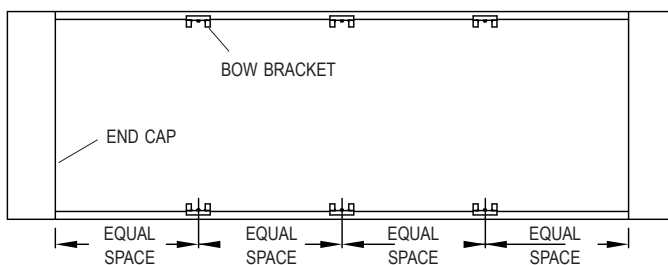
**STEP 6:** Mark and drill 5/16 inch holes. Mount brackets with screws (H), washers (W) and nuts (P). Install bows into bow brackets.



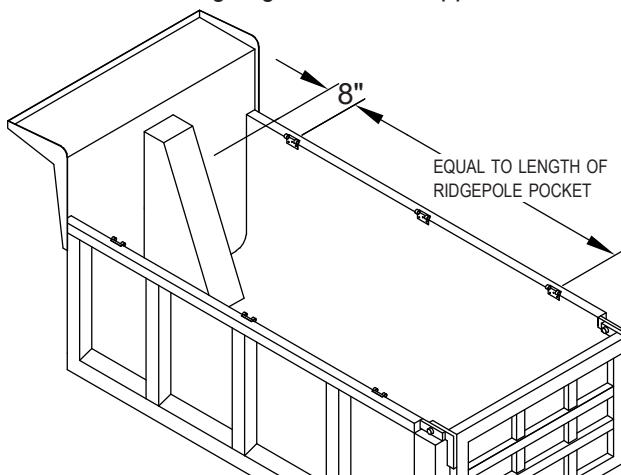


| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1112669 | Heavy-Duty Flat Bow            |
|      | 1106612 | Heavy-Duty Low-Rise Bow        |
|      | 1101927 | Heavy-Duty High-Rise Bow       |
| 2.   | 1104706 | Heavy-Duty Bow Shank           |
| 3.   | 1106614 | Heavy-Duty Bow Bracket         |
| 4.   | 1701098 | Lynch Pin                      |
| 5.   | 1104123 | Heavy-Duty Bow Pin             |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| P.   | 1700407 | Hex Nut - 3/8"                 |
| W.   | 1700434 | Lock Washer - 3/8"             |

**STEP 1a: End dumps and belly dumps.** Equally space bow brackets on box, aligning brackets on opposite sides of box.

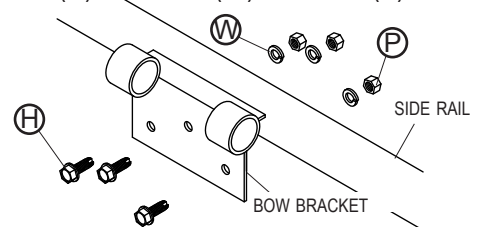


**STEP 1b: Dump bodies.** Locate front bow brackets 8 inches behind any obstruction, such as cab shield, dog house or plank gussets. Equally space remaining bow brackets on box, aligning brackets on opposite sides.

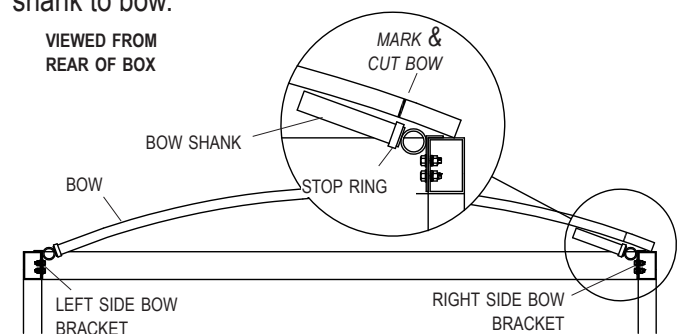


**NOTE:** If kit uses ridgepole, measure length of ridgepole pocket on tarp. Distance between front and rear bow brackets should be equal to that length.

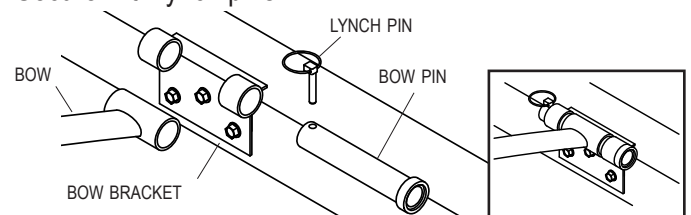
**STEP 2:** Mark and drill 5/16 inch holes, secure brackets with screws (H), washers (W) and nuts (P).

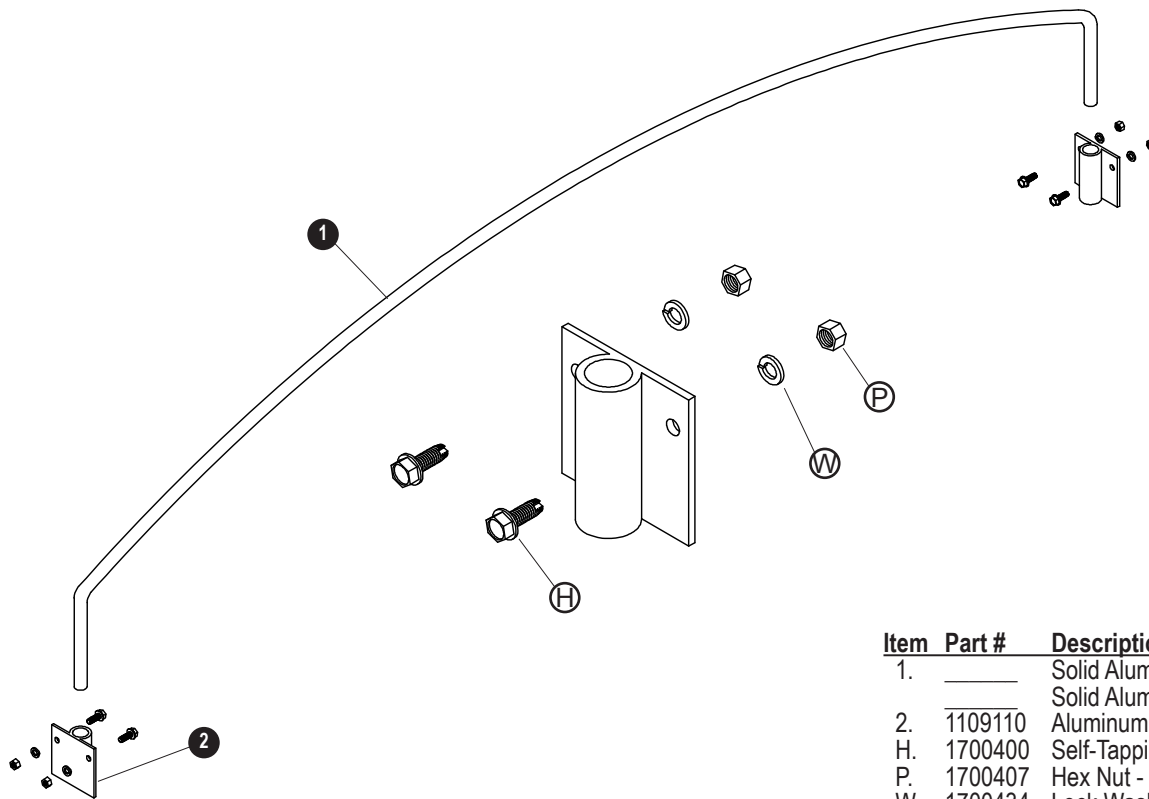


**STEP 3:** Insert bow shank into left side bow bracket and align bow with right side bow bracket. Align bow with bow shank and mark point where bow meets stop ring. Remove and cut bow at marked location. Grind edges smooth and insert bow shank into bow. Do not weld shank to bow.



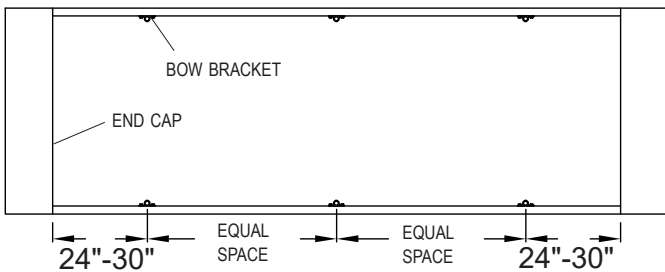
**STEP 4:** Fasten bow into bow brackets with bow pins. Secure with lynch pins.



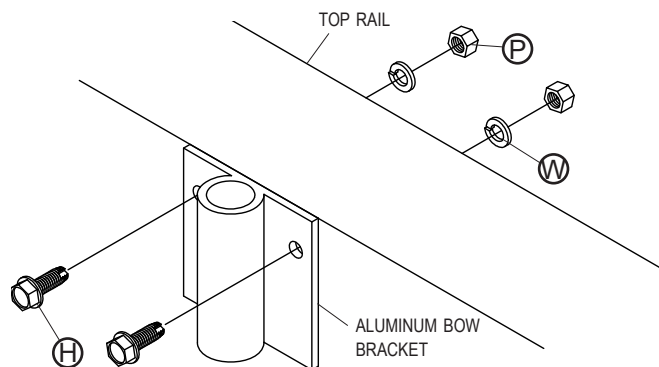


| Item | Part #  | Description   |
|------|---------|---|
| 1.   |         | Solid Aluminum Low-Rise Bow<br>Solid Aluminum High-Rise Bow |
| 2.   | 1109110 | Aluminum Bow Bracket  |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"                              |
| P.   | 1700407 | Hex Nut - 3/8"  |
| W.   | 1700434 | Lock Washer - 3/8"  |

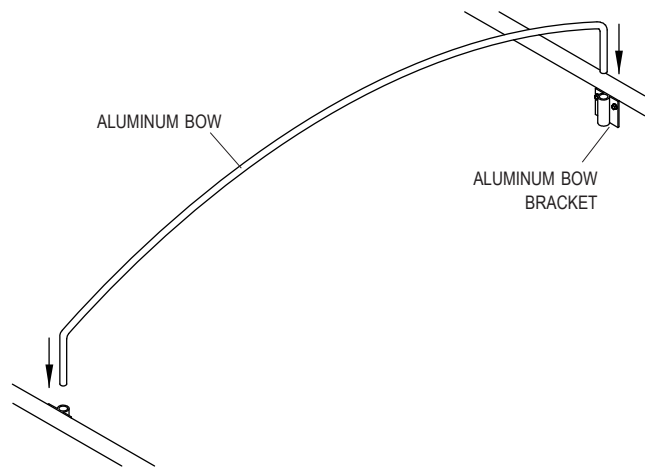
**STEP 1:** Equally space bow brackets on box, aligning brackets straight across trailer.



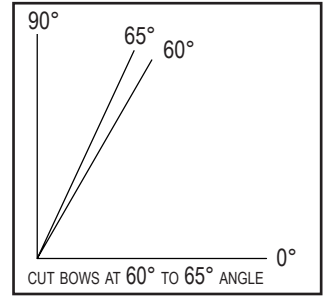
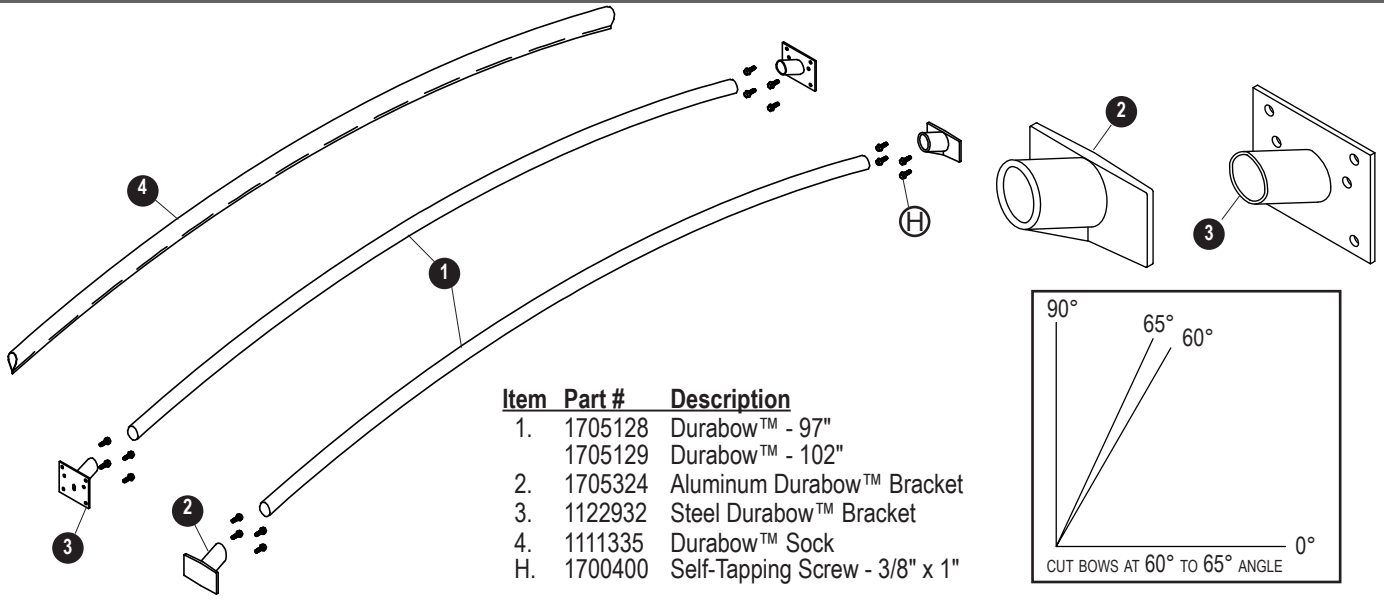
**STEP 2:** Align top edge of brackets with top edge of rail. Mark and drill 5/16 inch holes. Secure brackets with screws (H), washers (W) and nuts (P).



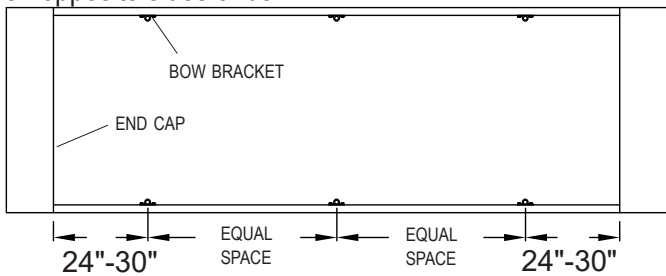
**STEP 3:** Insert bows into bow brackets.



**NOTE:** Be sure of exact inside box width when ordering solid aluminum bows. Bows cannot be cut to length. Bow width may vary from front to back.



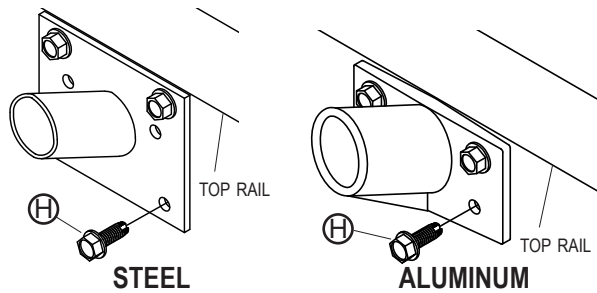
**STEP 1:** Equally space bow brackets, aligning brackets on opposite sides of box.



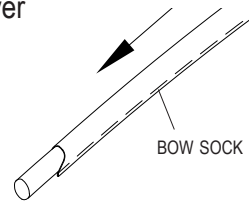
**NOTE:** Warranty will be void if bow ends are not cut at 60° to 65° angle.

**NOTE:** To maintain consistent 10 to 12 inch bow arch, it is important to measure trailer width at each bow location because widths may vary from front to back.

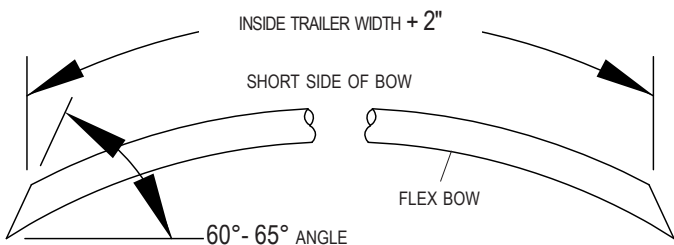
**STEP 2:** Align bow brackets flush with top rail. Mark and drill 5/16 inch holes and secure brackets with screws (H).



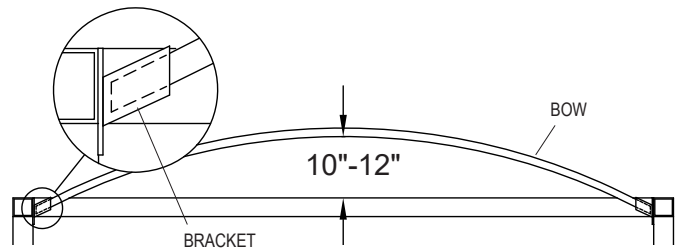
**STEP 4:** Slide bow sock over Flexbow® and trim to fit.



**STEP 2:** Cut bow ends at 60° to 65° angle. Cut short side of bows 2 inches longer than inside trailer width to obtain 10 to 12 inch arch.

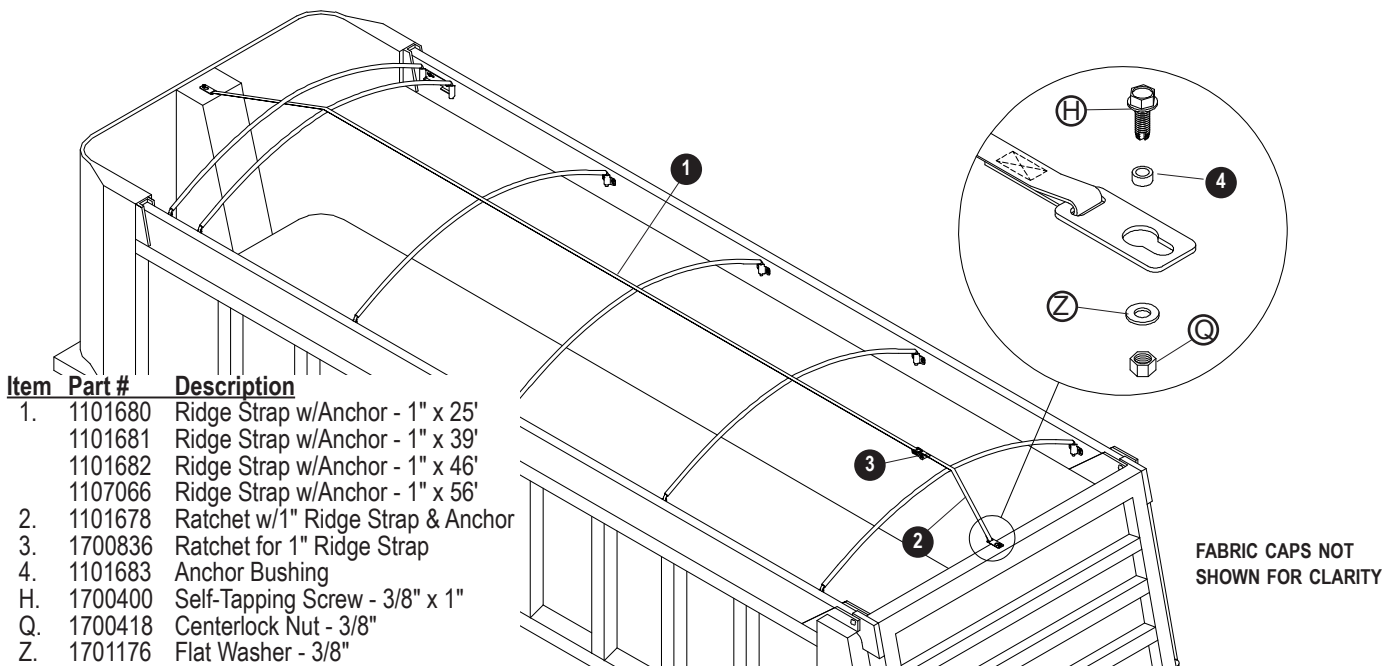


**STEP 5:** Insert bows into brackets.



**CAUTION**  
Stay clear of top side of bow. Bows could release and spring upward.

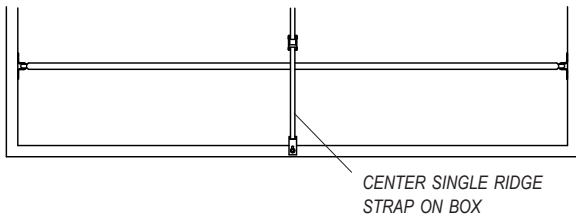
**NOTE:** Brackets may be welded instead of bolted into place. Consult trailer manufacturer for recommended welding procedure.



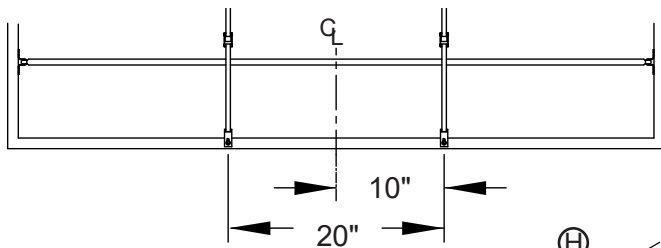
| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1101680 | Ridge Strap w/Anchor - 1" x 25'   |
|      | 1101681 | Ridge Strap w/Anchor - 1" x 39'   |
|      | 1101682 | Ridge Strap w/Anchor - 1" x 46'   |
|      | 1107066 | Ridge Strap w/Anchor - 1" x 56'   |
| 2.   | 1101678 | Ratchet w/1" Ridge Strap & Anchor |
| 3.   | 1700836 | Ratchet for 1" Ridge Strap        |
| 4.   | 1101683 | Anchor Bushing                    |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"    |
| Q.   | 1700418 | Centerlock Nut - 3/8"             |
| Z.   | 1701176 | Flat Washer - 3/8"                |

FABRIC CAPS NOT SHOWN FOR CLARITY

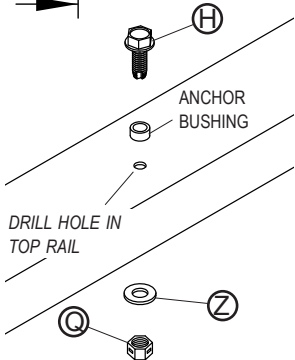
**STEP 1a: One ridge strap.** Mark and drill holes at center of front and back top rails on box.



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

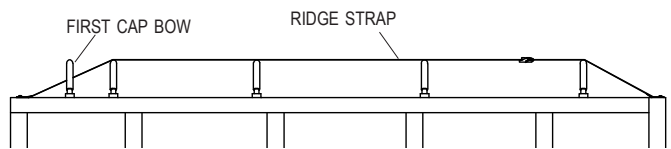


**NOTE:** Use washers and nuts where needed, drilling 13/32 inch holes. If using self-tapping screws, drill 5/16 inch holes.

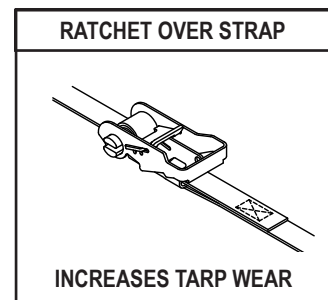
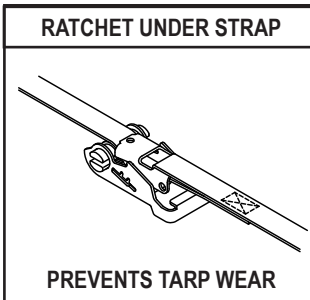
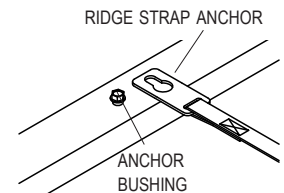


**STEP 2:** Mount anchor bushings with screws (H), washers (Z) and nuts (Q).

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

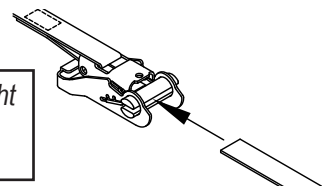


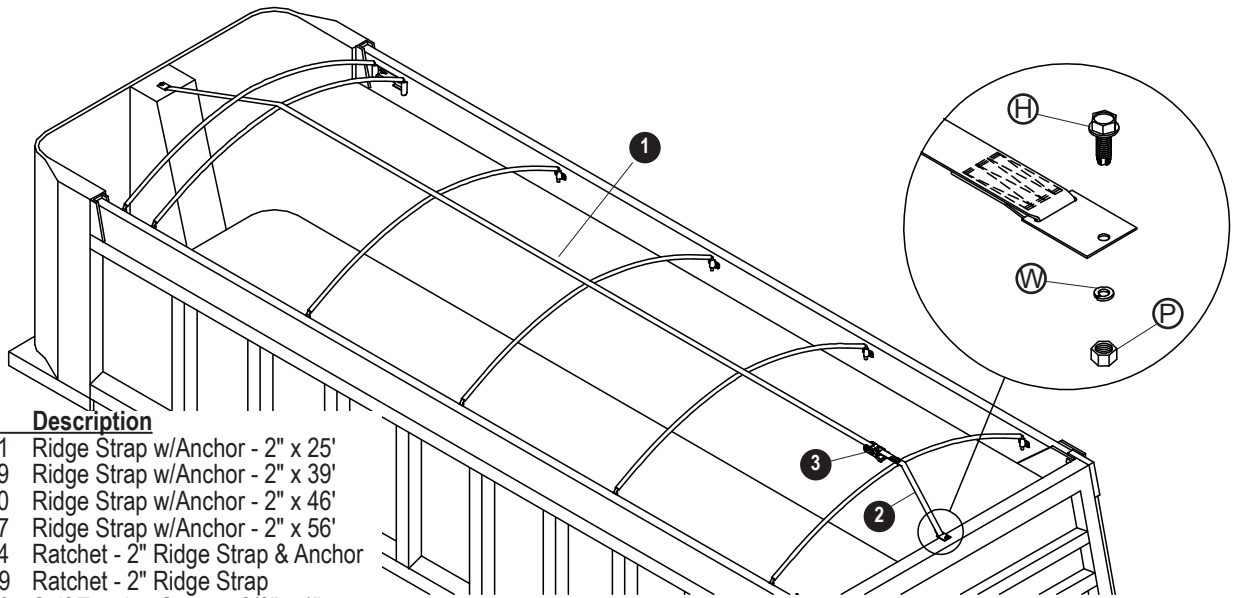
**STEP 4:** Hook ridge strap anchors on anchor bushings on front and rear top rails. Position ratchet under strap to prevent tarp wear.



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

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

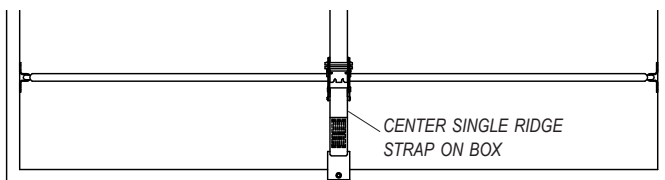




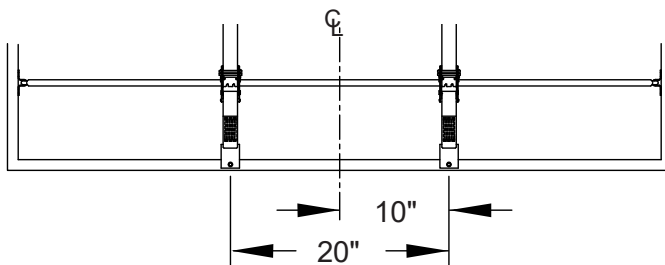
| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1100571 | Ridge Strap w/Anchor - 2" x 25'   |
|      | 1100579 | Ridge Strap w/Anchor - 2" x 39'   |
|      | 1100580 | Ridge Strap w/Anchor - 2" x 46'   |
|      | 1107067 | Ridge Strap w/Anchor - 2" x 56'   |
| 2.   | 1100594 | Ratchet - 2" Ridge Strap & Anchor |
| 3.   | 1700519 | Ratchet - 2" Ridge Strap          |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"    |
| P.   | 1700407 | Hex Nut - 3/8"                    |
| W.   | 1700434 | Lock Washer - 3/8"                |

FABRIC CAPS NOT SHOWN FOR CLARITY

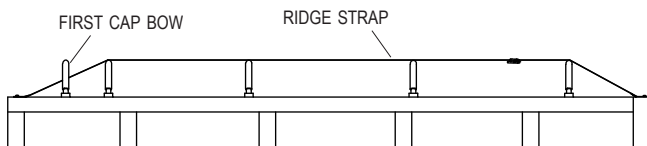
**STEP 1a: One ridge strap.** Mark and drill holes at center of front and back top rails on box.



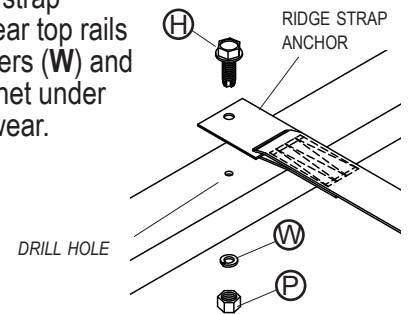
**STEP 1b: Two ridge straps.** Mark and drill holes 10 inches from each side of center of front and rear top rails.



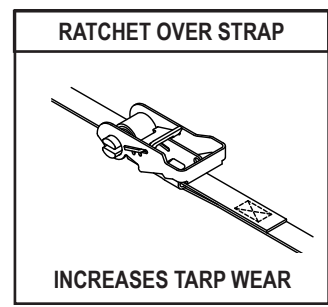
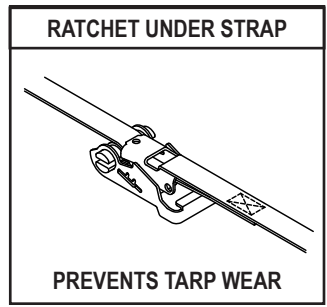
**STEP 2:** Install ridge strap under first cap bow, through slot in fabric cap and over remaining bows.



**STEP 3:** Fasten ridge strap anchors to front and rear top rails with screws (H), washers (W) and nuts (P). Position ratchet under strap to prevent tarp wear.

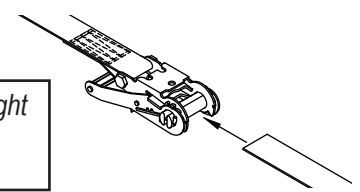


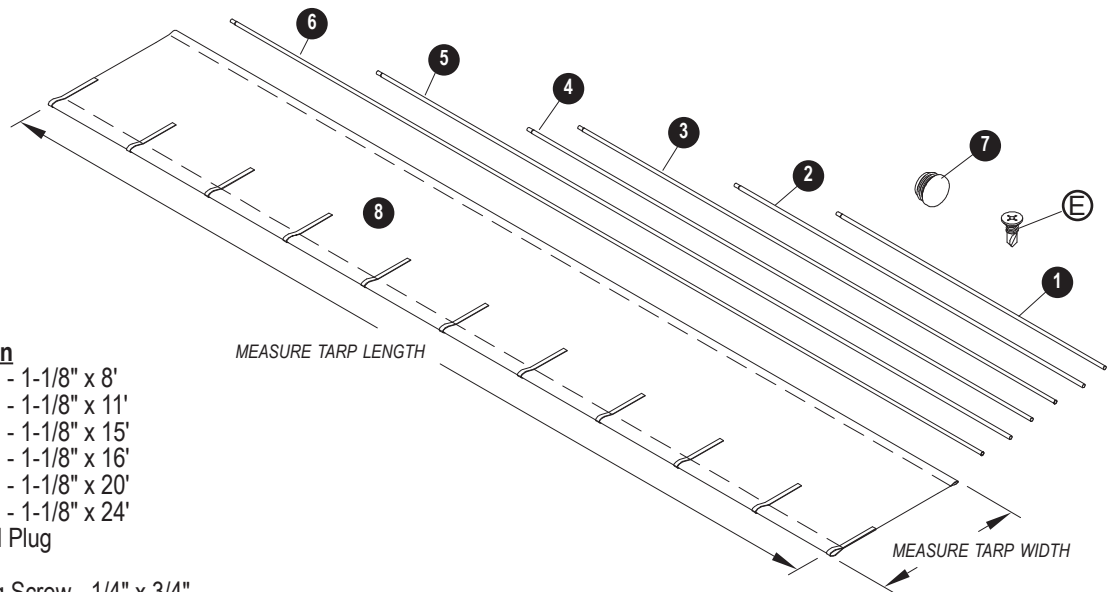
**NOTE:** Use washers and nuts where needed and drill 13/32 inch holes. If using self-tapping screws only, drill 5/16 inch holes.



**STEP 4:** Thread strap through ratchet and tighten.

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



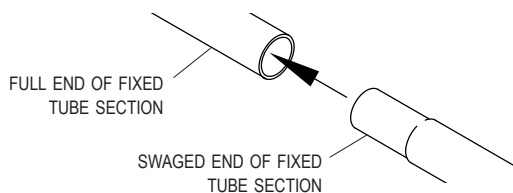


| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1706156 | Fixed Tube - 1-1/8" x 8'          |
| 2.   | 1706155 | Fixed Tube - 1-1/8" x 11'         |
| 3.   | 1706154 | Fixed Tube - 1-1/8" x 15'         |
| 4.   | 1700051 | Fixed Tube - 1-1/8" x 16'         |
| 5.   | 1700049 | Fixed Tube - 1-1/8" x 20'         |
| 6.   | 1701428 | Fixed Tube - 1-1/8" x 24'         |
| 7.   | 1700523 | Plastic End Plug                  |
| 8.   |         | Tarp                              |
| E.   | 1704768 | Self-Drilling Screw - 1/4" x 3/4" |

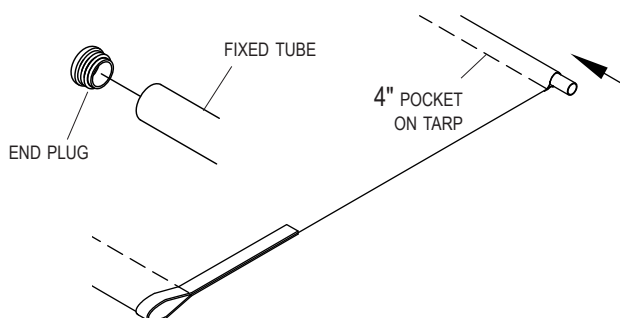
**STEP 1:** Open tarp and stretch tight. Measure tarp length and compare with tarp length specified on sheet attached to tarp. Do not proceed with installation if tarp length doesn't match length specified on sheet. Call Shur-Co® or your local dealer for alterations or a replacement tarp.

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

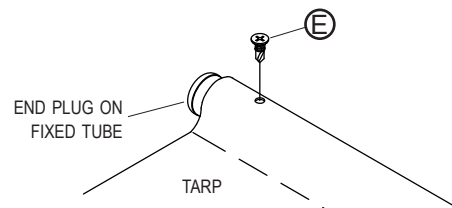
**STEP 2:** For boxes over 24 feet, insert swaged end of fixed tube section into full end of second tube section. Align tubes, weld and grind smooth.



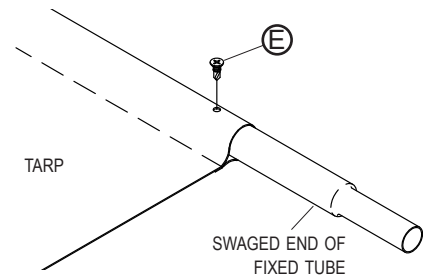
**STEP 3:** Install end plug into full end of tube weldment. Insert tube, end plug first, into 4 inch pocket on tarp.



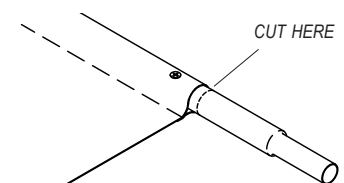
**STEP 4:** Extend fixed tube 1/4 inch past tarp edge and secure with screw (E).



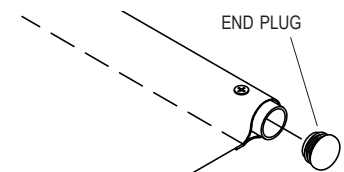
**STEP 5:** Stretch tarp along fixed tube and secure second screw.

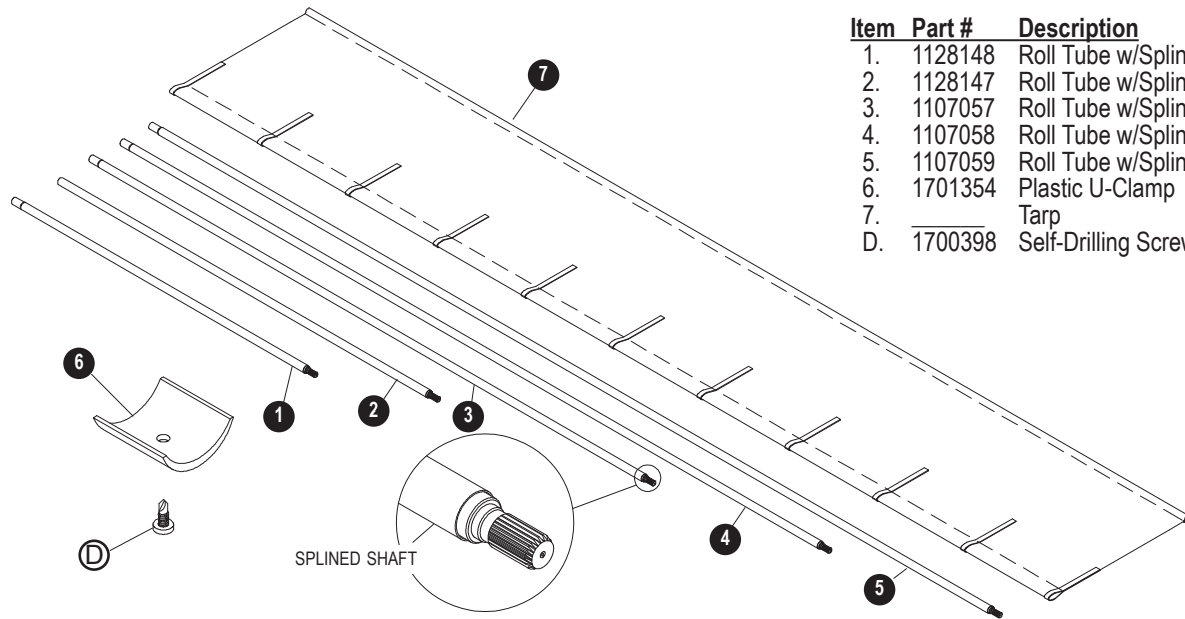


**STEP 6:** Cut fixed tube 1/4 inch past edge of tarp, removing swaged end. Grind smooth.



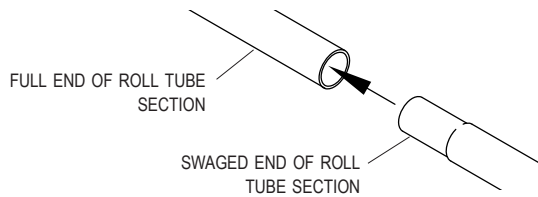
**STEP 7:** Insert end plug.





| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1128148 | Roll Tube w/Spline - 8'-2"        |
| 2.   | 1128147 | Roll Tube w/Spline - 11'-8"       |
| 3.   | 1107057 | Roll Tube w/Spline - 16'          |
| 4.   | 1107058 | Roll Tube w/Spline - 20'          |
| 5.   | 1107059 | Roll Tube w/Spline - 24'          |
| 6.   | 1701354 | Plastic U-Clamp                   |
| 7.   |         | Tarp                              |
| D.   | 1700398 | Self-Drilling Screw - 1/4" x 3/4" |

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



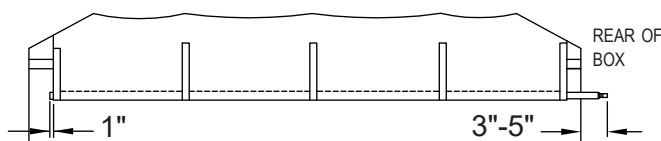
**STEP 2:** Cut roll tube 8 inches longer than tarp (14 inches if using fabric caps), removing swaged end. Grind edges smooth, then insert roll tube into 5 inch tarp pocket, locating splined shaft at rear of tarp/trailer.



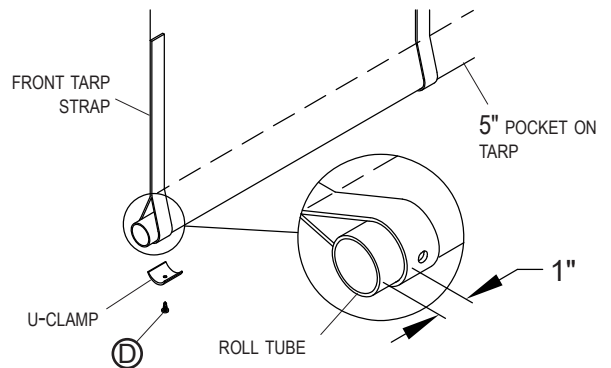
**TIP -** Inflate 5 inch tarp pocket with air chuck while inserting roll tube.

**STEP 3:** Center tarp on box and secure tarp to box with tarp stops. See page 18 to install standard tarp stops or page 19 to install easy-off tarp stops.

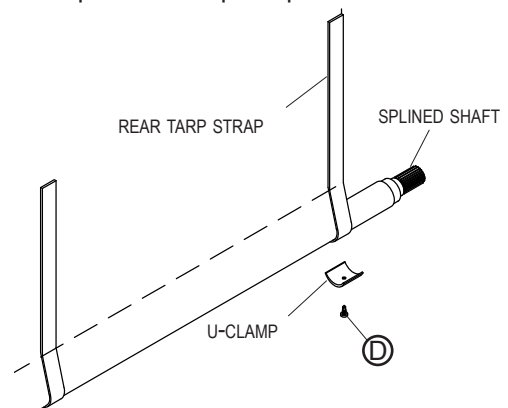
**STEP 4:** Align roll tube to extend 1 inch past front of tarp. Splined shaft must extend 3 to 5 inches beyond rear of box.



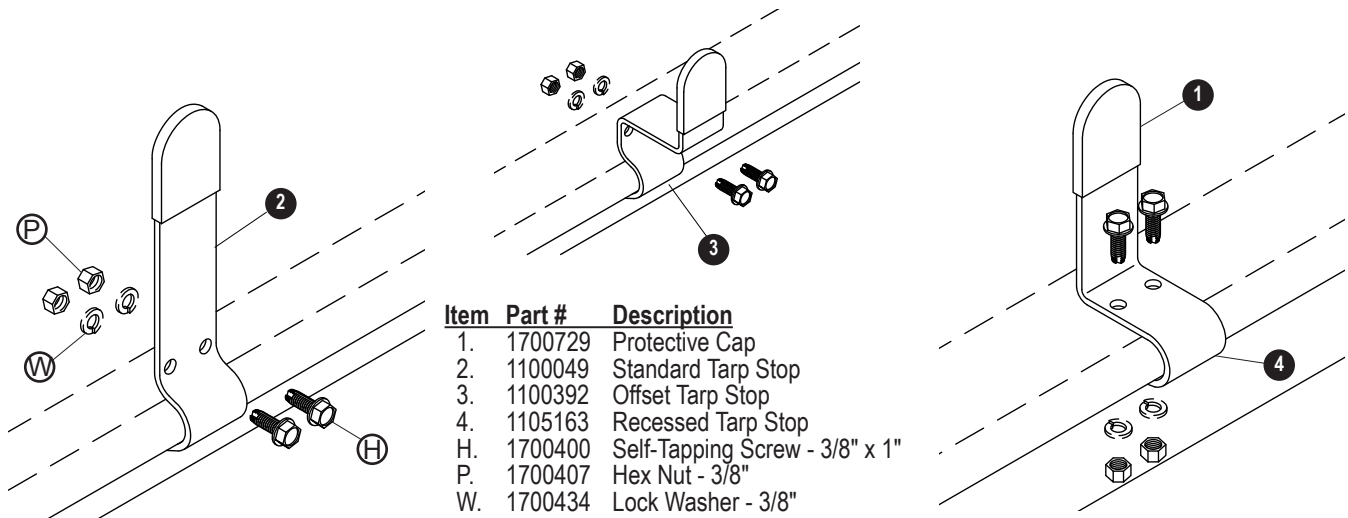
**STEP 5:** Center first U-clamp on front tarp strap, positioning screw (D) on crease at bottom of tarp pocket. Fasten U-clamp with screw (D).



**STEP 6:** Stretch tarp along roll tube so tarp is square. Install U-clamp on rear tarp strap.

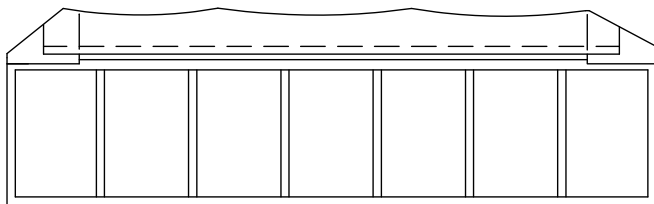


**STEP 7:** Install remaining U-clamps on remaining tarp straps.



| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1700729 | Protective Cap                 |
| 2.   | 1100049 | Standard Tarp Stop             |
| 3.   | 1100392 | Offset Tarp Stop               |
| 4.   | 1105163 | Recessed Tarp Stop             |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| P.   | 1700407 | Hex Nut - 3/8"                 |
| W.   | 1700434 | Lock Washer - 3/8"             |

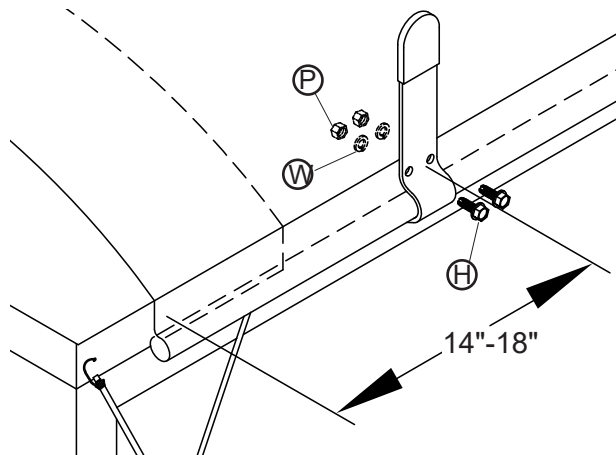
**STEP 1:** Center tarp on box between front and rear end caps, with fixed tube hanging about 3 inches over edge of right side of box. Square tarp and fixed tube.



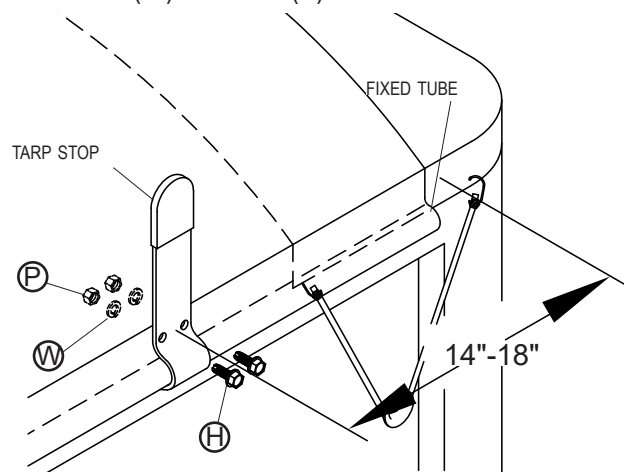
**NOTE:** To reverse roll or open your system from right side of box, locate tarp stops on left side.

**STEP 2:** Locate first tarp stop 14 to 18 inches from rear edge of tarp. Using tarp stop as guide, mark and drill holes. Place tarp stop over fixed tube and fasten to box with screws (H), lock washers (W) and nuts (P).

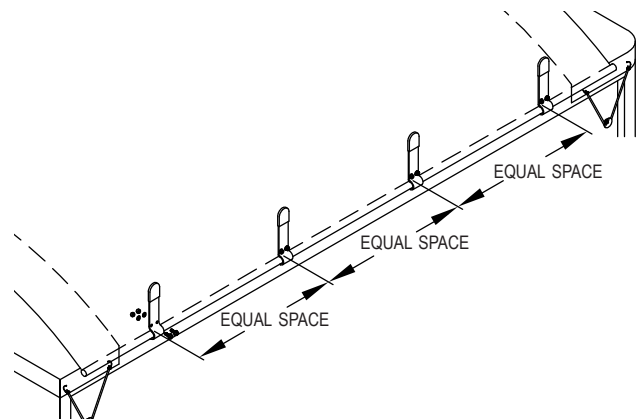
**NOTE:** Use washers and nuts where needed and drill 13/32 inch holes. If using self-tapping screws only, drill 5/16 inch holes.

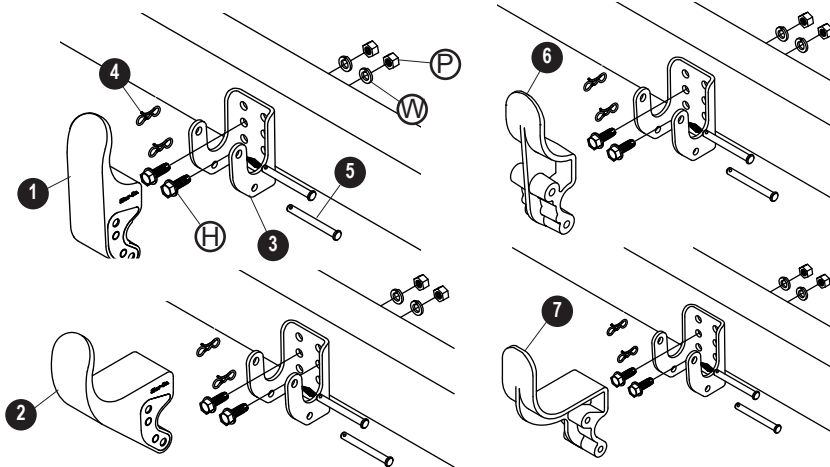


**STEP 3:** Square up and stretch tarp tight, then locate second tarp stop 14 to 18 inches from front edge of tarp. Mark and drill holes and fasten to box with screws (H), lock washers (W) and nuts (P).



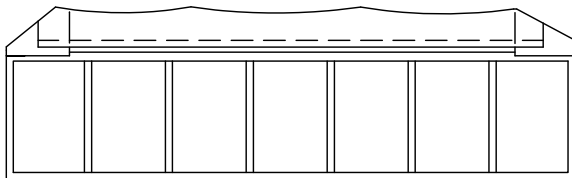
**STEP 4:** Vertically align and equally space remaining tarp stops. Mark and drill holes and fasten to box.





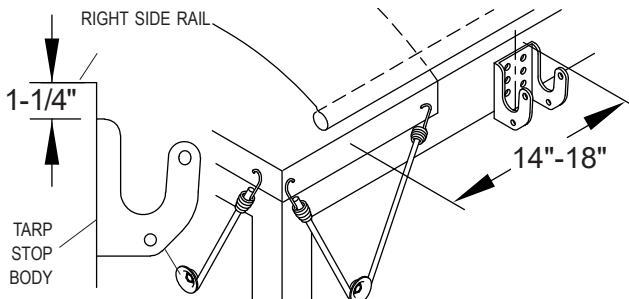
| Item | Part #  | Description   |
|------|---------|---|
| 1.   | 1115216 | Easy-Off Flexible Tarp Stop Upright w/Plate           |
| 2.   | 1115217 | 6" Offset Easy-Off Flexible Tarp Stop Upright w/Plate |
| 3.   | 1100833 | Easy-Off Tarp Stop Body                               |
| 4.   | 1704380 | Bowtie Cotter Pin                                     |
| 5.   | 1703604 | Clevis Pin - 5/16" x 2-7/8"                           |
| 6.   | 1705775 | Easy-Off Aluminum Tarp Stop Upright                   |
| 7.   | 1705454 | 6" Offset Easy-Off Aluminum Tarp Stop Upright         |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"                        |
| P.   | 1700407 | Hex Nut - 3/8"  |
| W.   | 1700434 | Lock Washer - 3/8"                                    |

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



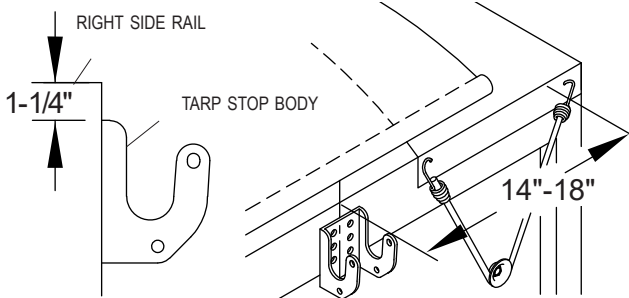
**NOTE:** To reverse roll or open system from right side of box, locate tarp stops on left side.

**STEP 2:** Locate first tarp stop body 14 to 18 inches from rear edge of tarp and 1-1/4 inches from top edge of rail on right side of box.

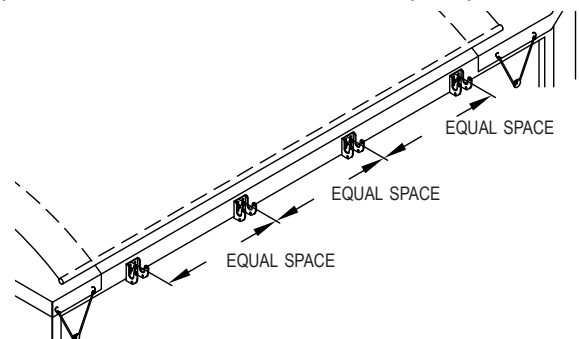


**NOTE:** Install tarp stop body on vertical surface. Fasten through holes that best fit top rail configuration.

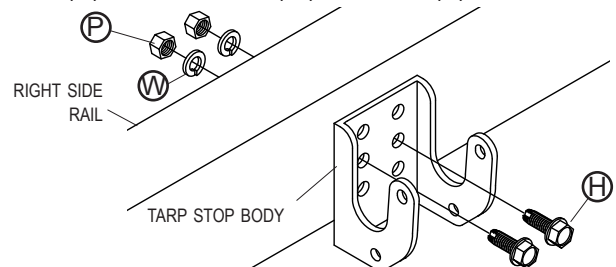
**STEP 3:** Locate second tarp stop body 14 to 18 inches from front of tarp and 1-1/4 inch from top edge of rail.



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

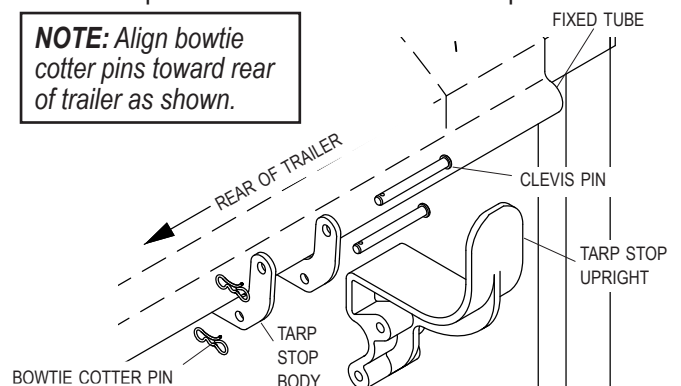


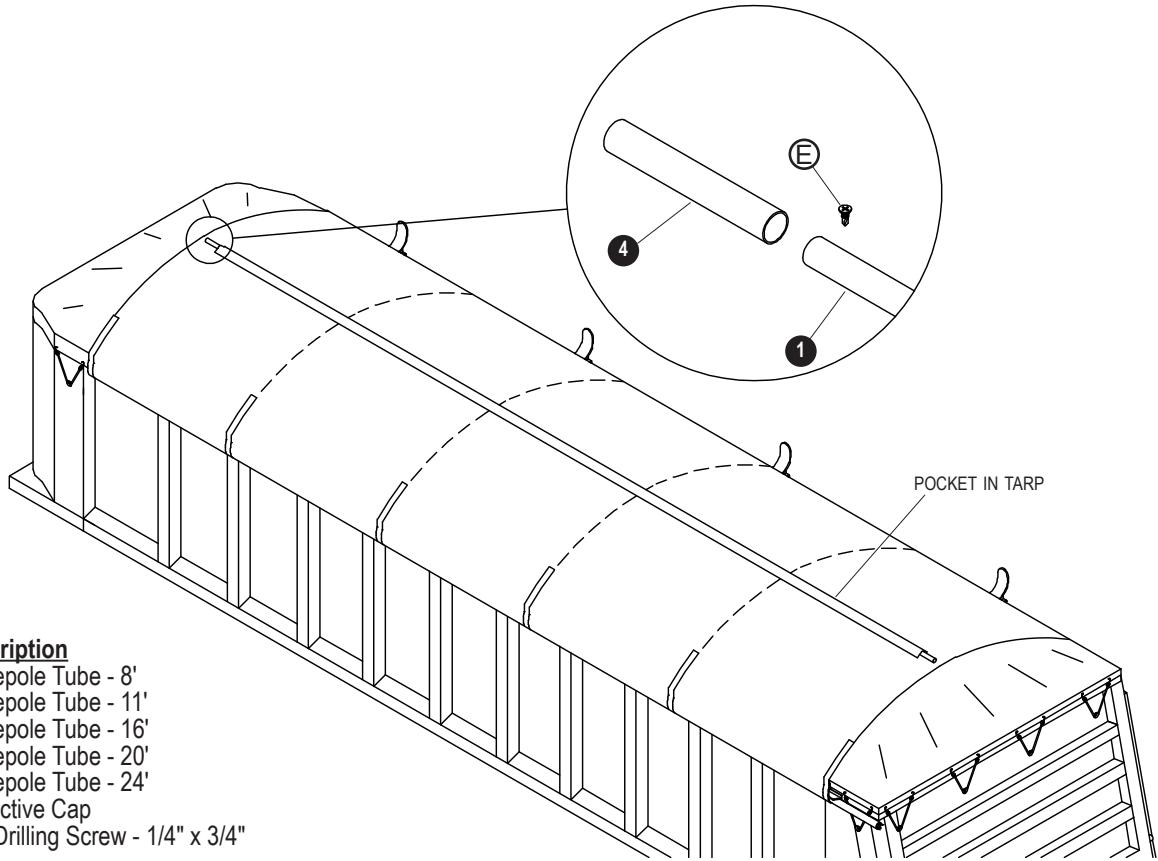
**STEP 5:** Use tarp stop bodies as guides to mark hole locations. Drill 5/16 inch holes and fasten to box with screws (H), lock washers (W) and nuts (P).



**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 bowtie cotter pins.

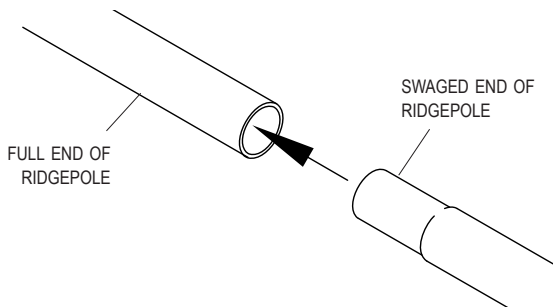
**NOTE:** Align bowtie cotter pins toward rear of trailer as shown.





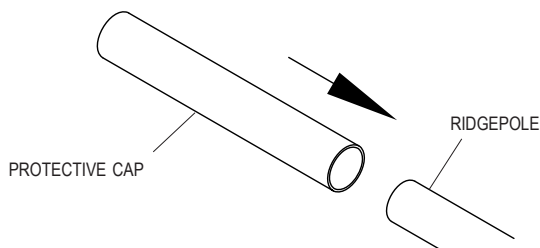
| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 1.   | 1706159 | Ridgepole Tube - 8'               |
| 2.   | 1706158 | Ridgepole Tube - 11'              |
| 3.   | 1701204 | Ridgepole Tube - 16'              |
|      | 1701205 | Ridgepole Tube - 20'              |
|      | 1701206 | Ridgepole Tube - 24'              |
| 4.   | 1700212 | Protective Cap                    |
| E.   | 1704768 | Self-Drilling Screw - 1/4" x 3/4" |

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

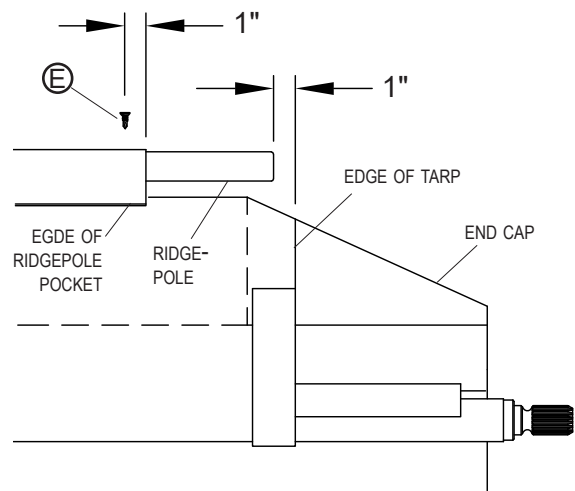


**STEP 2:** Cut ridgepole tube 2 inches shorter than tarp length. Grind rough edges smooth.

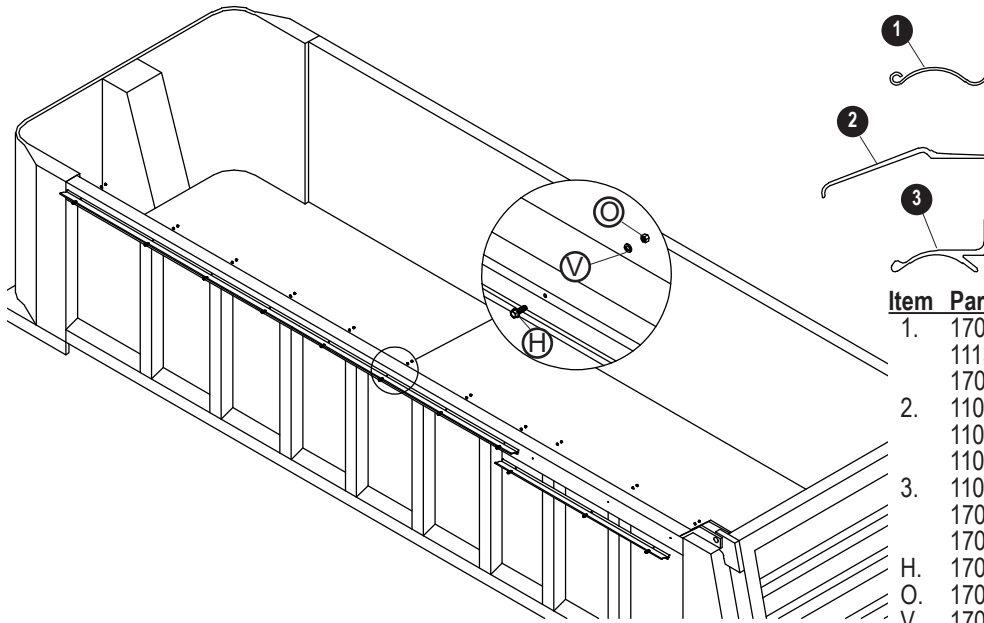
**STEP 3:** Install protective caps over ends of ridgepole.



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

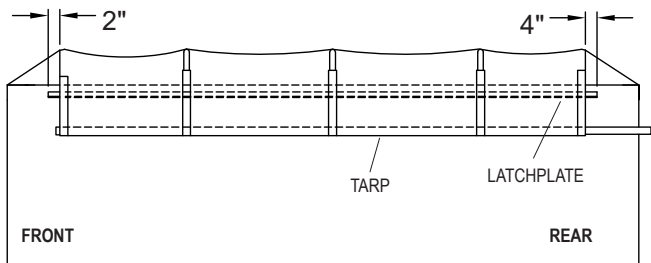


**STEP 5:** Install screw (E) 1 inch from edge of pocket. Pull tarp to full length and install screw (E) 1 inch from opposite end of pole. Equally space remaining screws.



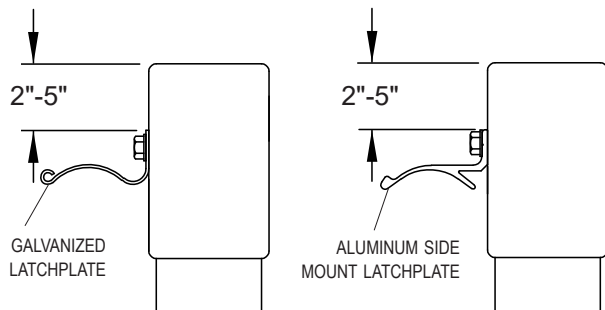
| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| 1.   | 1701546 | Galv. Side-Mount Latchplate - 4' |
|      | 1113005 | Galv. Side-Mount Latchplate - 6' |
|      | 1701547 | Galv. Side-Mount Latchplate - 8' |
| 2.   | 1100370 | Alum. Top-Mount Latchplate - 4'  |
|      | 1100369 | Alum. Top-Mount Latchplate - 6'  |
|      | 1100368 | Alum. Top-Mount Latchplate - 8'  |
| 3.   | 1100749 | Alum. Side-Mount Latchplate - 4' |
|      | 1700802 | Alum. Side-Mount Latchplate - 6' |
|      | 1700522 | Alum. Side-Mount Latchplate - 8' |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"   |
| O.   | 1700407 | Hex Nut - 3/8"                   |
| V.   | 1700434 | Lock Washer - 3/8"               |

**STEP 1:** Trim and combine latchplate sections to extend 2 inches past tarp at front and 4 inches past tarp at rear of box.

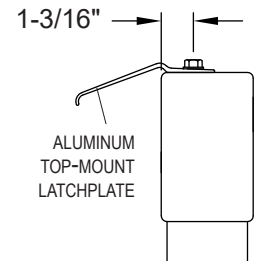


**NOTE:** If you are installing your system to open from left side of box, locate latchplate on right side. Latchplate alignment must be true.

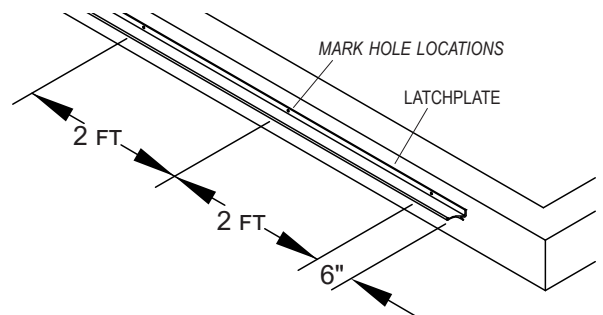
**STEP 2a: Side-mount latchplate.** Starting at rear of box, position latchplate sections 2 to 5 inches down from top edge of rail on left side of box in an area free from obstructions. Clamp into place.



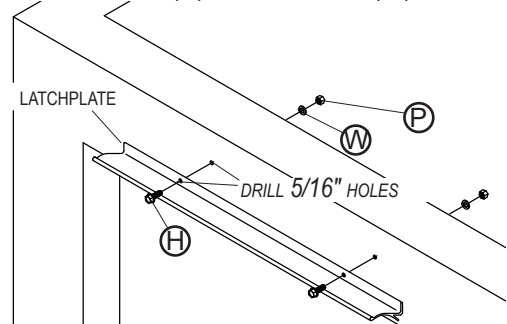
**STEP 2b: Top-mount latchplate.** Install in same way as side-mount latchplate, except fasten over top rail, aligning screws about 1-3/16 inches from edge of rail.



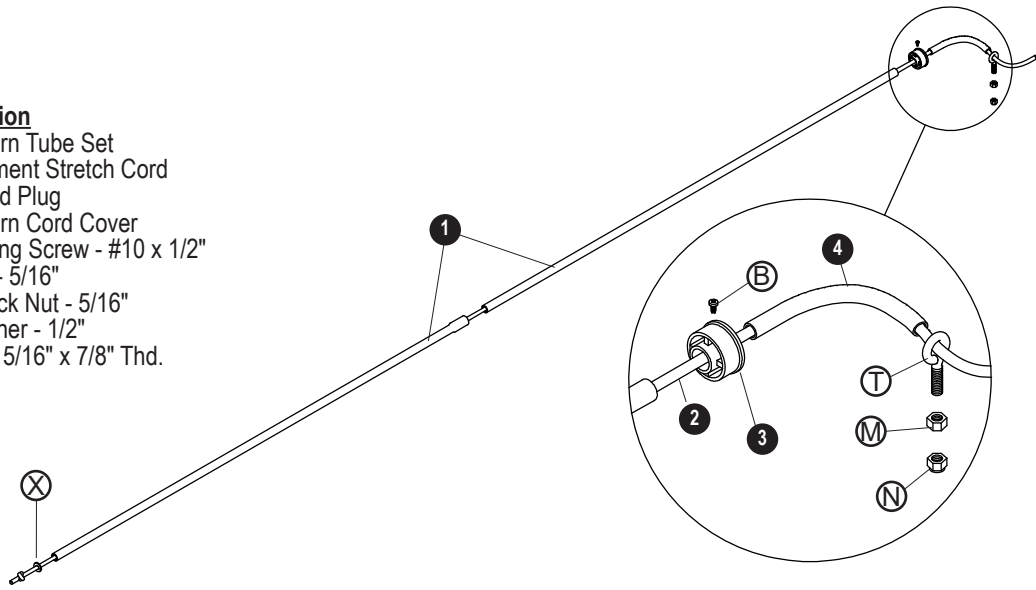
**STEP 3:** Mark hole locations on latchplate about every 2 feet apart, with holes no more than 6 inches from edges.



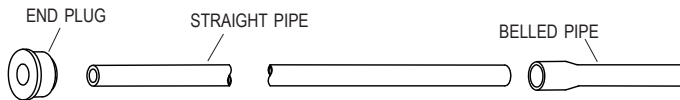
**STEP 4:** Drill 5/16 inch pilot holes through latchplate and box. Fasten with screws (H), lock washers (W) and nuts (P).



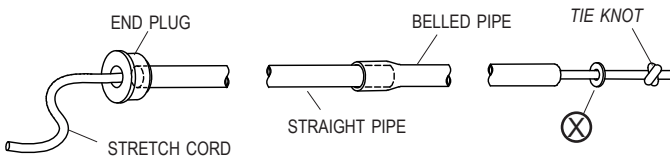
| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| 1.   | 1111067 | Roll Return Tube Set             |
| 2.   | 1114360 | Replacement Stretch Cord         |
| 3.   | 1100138 | Nylon End Plug                   |
| 4.   | 1107680 | Roll Return Cord Cover           |
| B.   | 1704743 | Self-Drilling Screw - #10 x 1/2" |
| M.   | 1700411 | Hex Nut - 5/16"                  |
| N.   | 1700419 | Nylon Lock Nut - 5/16"           |
| X.   | 1703373 | Flat Washer - 1/2"               |
| T.   | 1700717 | Eyebolt - 5/16" x 7/8" Thd.      |



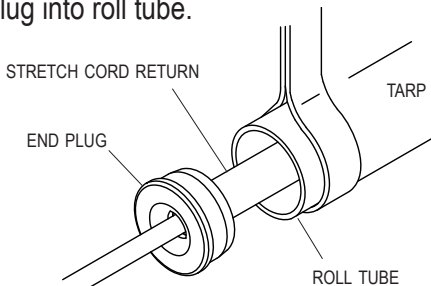
**STEP 1:** Insert straight pipe into belled pipe. Insert end plug into straight pipe.



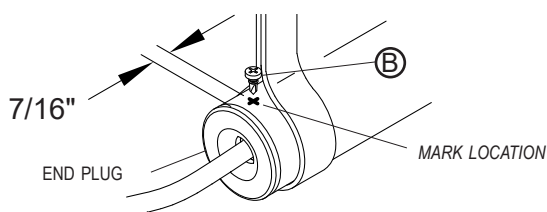
**STEP 2:** Insert stretch cord through end plug and pipes. Slide flat washer (X) over stretch cord and tie knot in cord.



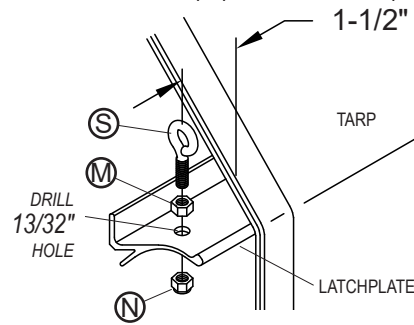
**STEP 3:** Insert stretch cord return into roll tube. Lightly tap end plug into roll tube.



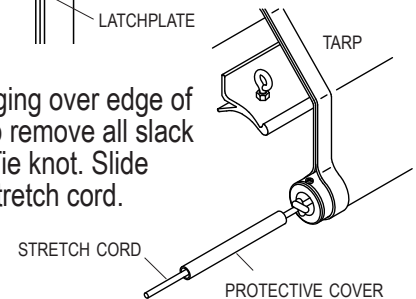
**STEP 4:** Mark location about 7/16 inch from edge of end plug. Secure end plug to roll tube with self-drilling screw (B).



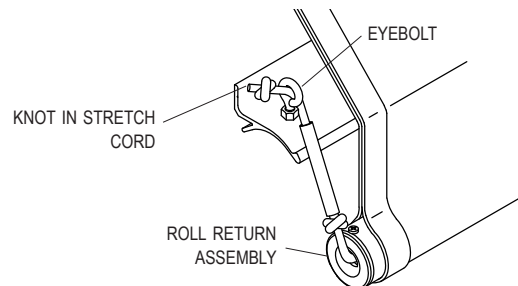
**STEP 5:** Drill 13/32 inch hole through latchplate, 1-1/2 inches from edge of tarp. Insert eyebolt (T) through hole and secure with nut (M) and lock nut (N).



**STEP 6:** With tarp hanging over edge of box, pull stretch cord to remove all slack in stretch cord return. Tie knot. Slide protective cover over stretch cord.

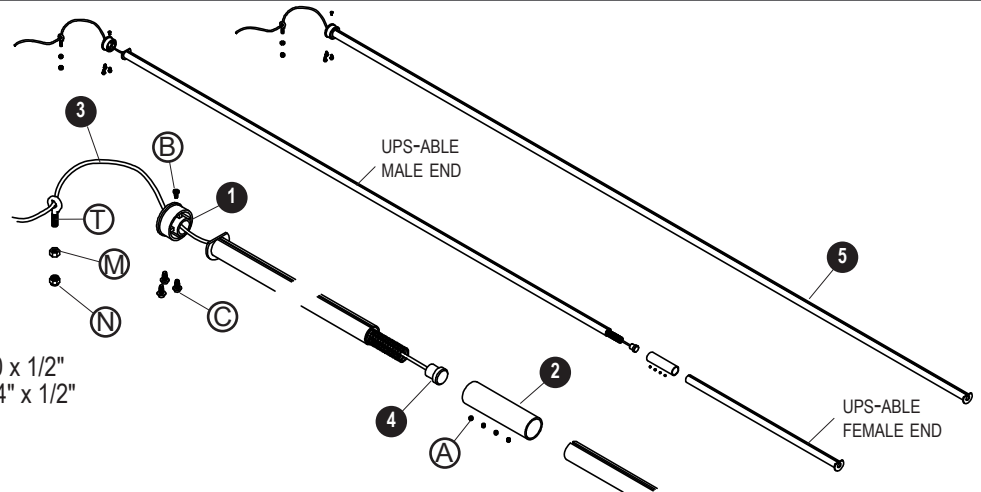


**STEP 7:** Thread stretch cord through eyebolt. Pull cord to create enough tension to almost lift roll return. Tie knot.



**STEP 8:** Cut off excess stretch cord, melt end to prevent fraying.

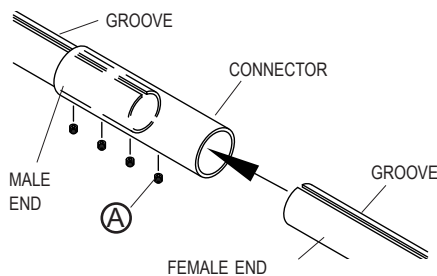
| Item | Part #  | Description                              |
|------|---------|--|
| 1.   | 1100138 | Nylon End Plug                           |
| 2.   | 1107879 | Connector Sleeve                         |
| 3.   | 1100826 | Rope - 1/4"                              |
| 4.   | 1100827 | Spring Retainer Plug                     |
| 5.   | 1100832 | Tube Assembly<br>(spring - rope - slide) |
| A.   | 1701423 | Set Screw - #10 x 3/16"                  |
| B.   | 1704743 | Self-Drilling Screw - #10 x 1/2"         |
| C.   | 1700736 | Self-Tapping Screw - 1/4" x 1/2"         |
| M.   | 1700411 | Hex Nut - 5/16"                          |
| N.   | 1700419 | Nylon Lock Nut - 5/16"                   |
| T.   | 1700717 | Eyebolt - 5/16" x 7/8"                   |



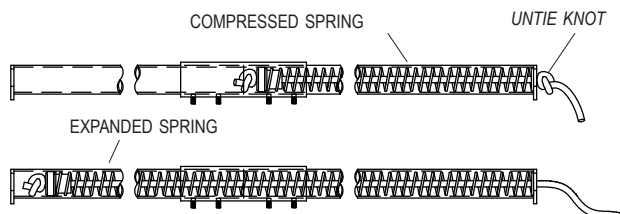
**NOTE:** STEPS 1 and 2 are for UPS-able Shur-Return™ only.

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

**NOTE:**  
Install set screws 180° from groove. Do not over tighten set screws.

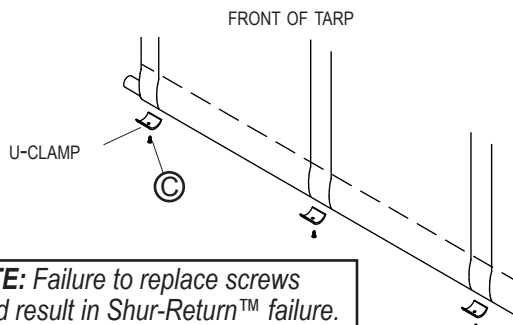


**STEP 2:** Cautiously untie knot and slowly allow spring to expand to full length of UPS-able Shur-Return™.



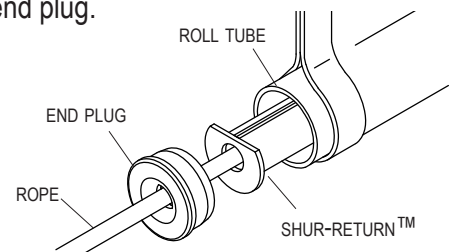
**NOTE:** Spring is compressed. Use caution when untying knot.

**STEP 3:** Remove all 1/4 inch x 3/4 inch screws holding U-clamps on front 11 feet of tarp. Replace with screws (C).

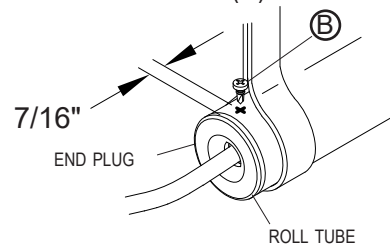


**NOTE:** Failure to replace screws could result in Shur-Return™ failure.

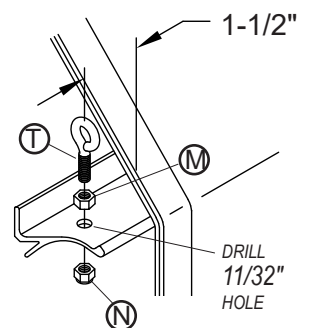
**STEP 4:** Insert Shur-Return™ into roll tube at front of box, with rope at open end of roll tube. Thread rope through nylon end plug.



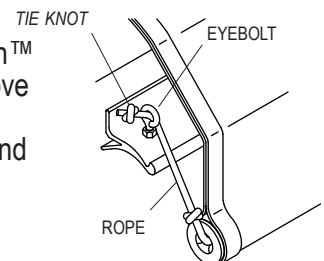
**STEP 5:** Tap end plug into roll tube and mark location 7/16 inches from edge of end plug. Secure end plug to roll tube with screw (B).

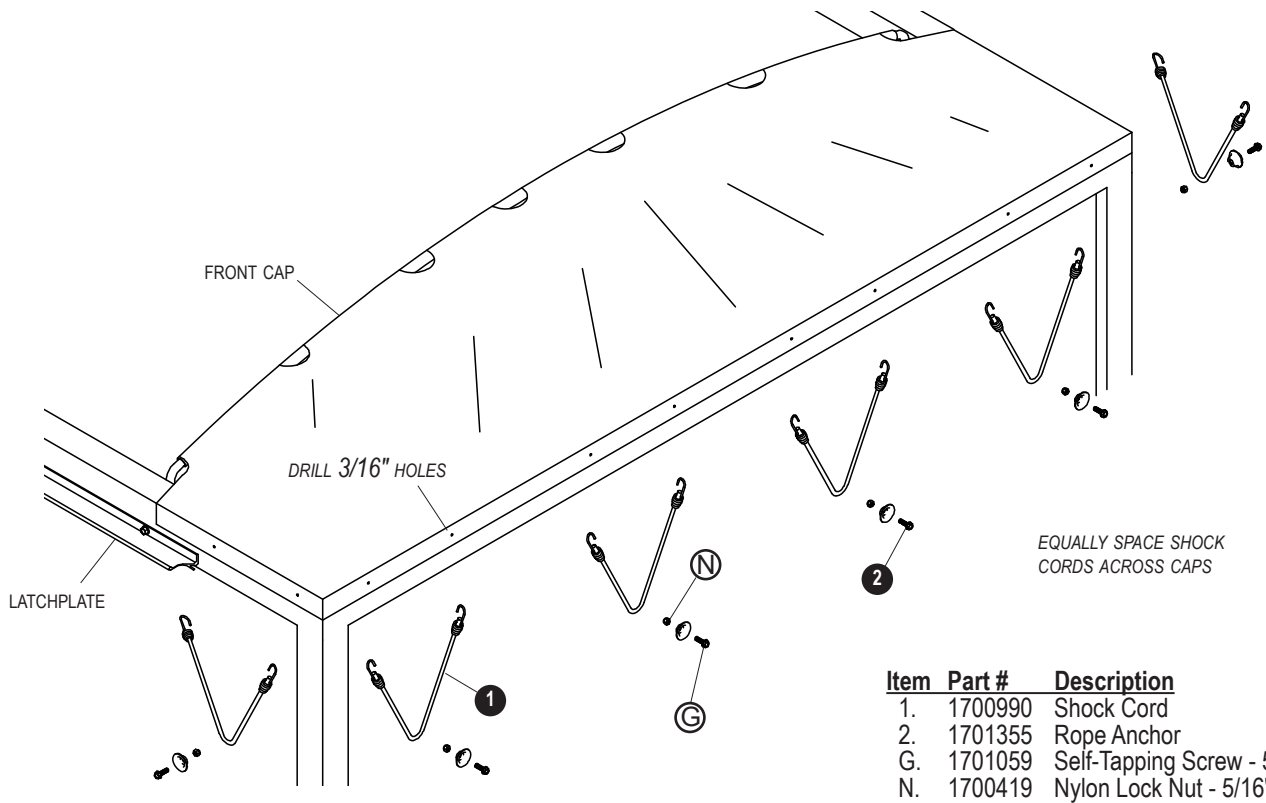


**STEP 6:** Drill 11/32 inch hole into latchplate, 1-1/2 inches past end of tarp. Insert eyebolt (S) through hole and secure with nuts (M) and (N).



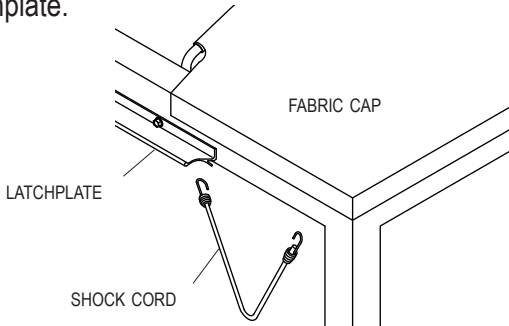
**STEP 7:** Insert Shur-Return™ rope through eyebolt, remove all slack from rope and tie knot. Cut off excess rope and melt frayed end.



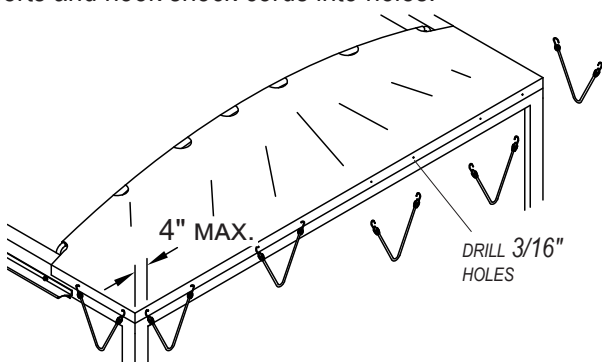


| Item | Part #  | Description                     |
|------|---------|---------------------------------|
| 1.   | 1700990 | Shock Cord                      |
| 2.   | 1701355 | Rope Anchor                     |
| G.   | 1701059 | Self-Tapping Screw - 5/16" x 1" |
| N.   | 1700419 | Nylon Lock Nut - 5/16"          |

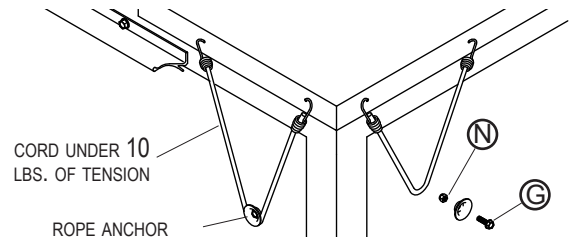
**STEP 1:** Locate one shock cord on each side of cap, as close as possible to center of cap without touching latchplate.



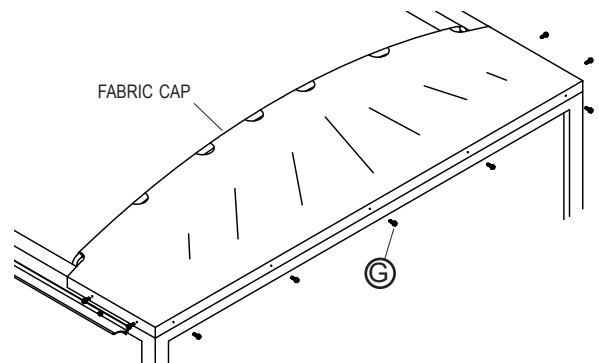
**STEP 2:** Equally space remaining shock cords across face of fabric cap. Drill 3/16 inch holes through aluminum inserts and hook shock cords into holes.



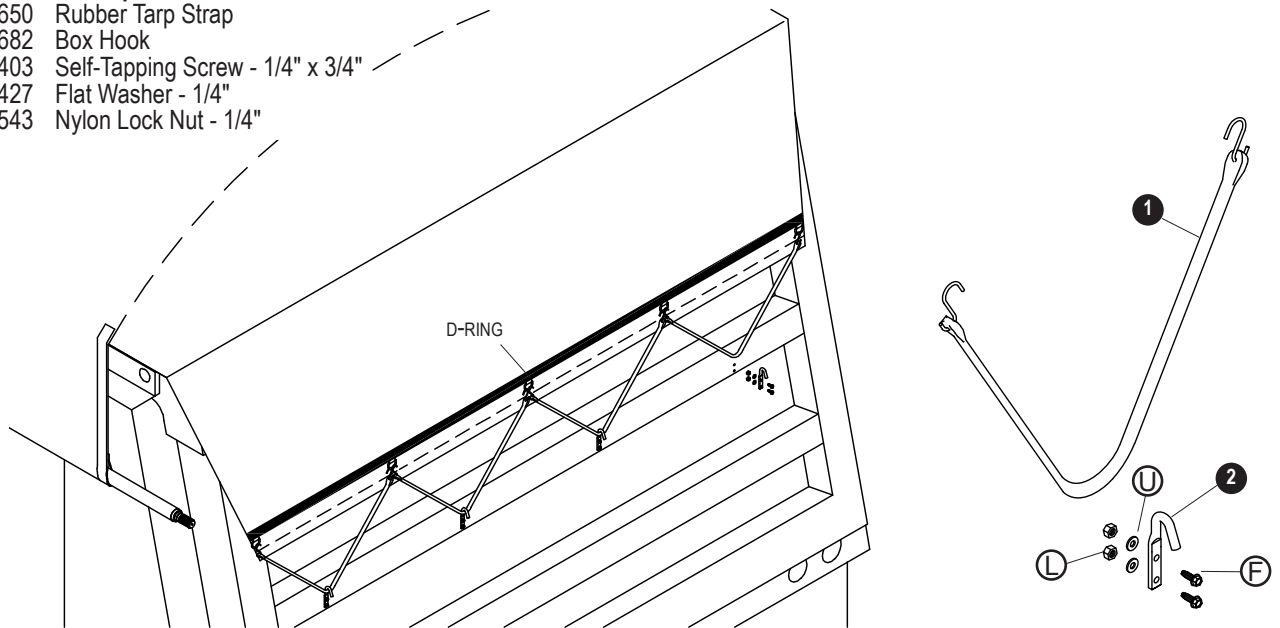
**STEP 3:** Locate rope anchors so shock cords will receive at least 10 pounds of force pulling on them. Drill 1/4 inch holes and fasten rope anchors with screws (G) and nuts (N).



**STEP 4: Alternate method.** Drill 5/16 inch holes through aluminum inserts and fasten cap to box with screws (N). Install two screws (G) on each side of cap and equally space remaining screws.

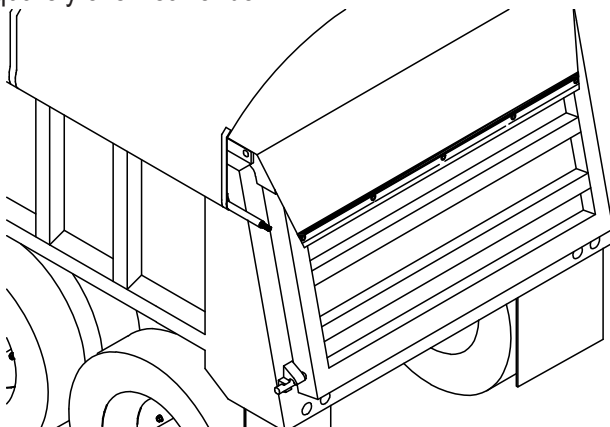


| Item | Part #  | Description                      |
|------|---------|----------------------------------|
| 1.   | 1700650 | Rubber Tarp Strap                |
| 2.   | 1700682 | Box Hook                         |
| F.   | 1700403 | Self-Tapping Screw - 1/4" x 3/4" |
| U.   | 1700427 | Flat Washer - 1/4"               |
| L.   | 1701543 | Nylon Lock Nut - 1/4"            |

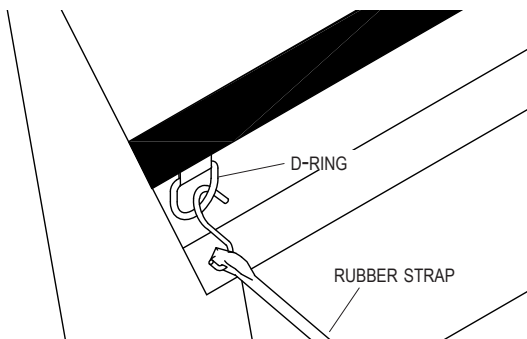


**STEP 1:** Install rear bow and bow brackets per bow instructions, locating bow as close to tailgate as possible without interfering with tailgate operation. Align bow height with height of previously installed bows.

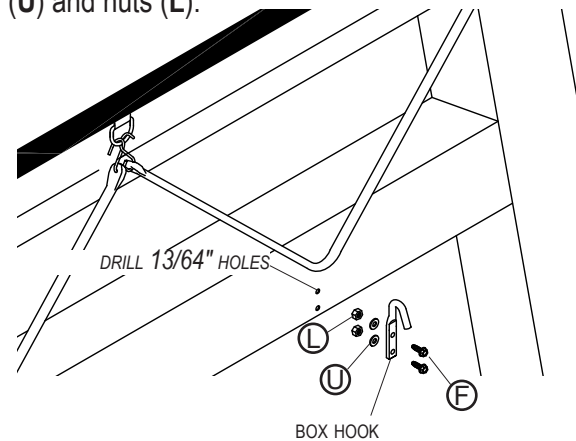
**STEP 2:** Roll tarp closed over bows. Pull poorboy tail flap squarely over rear of box.



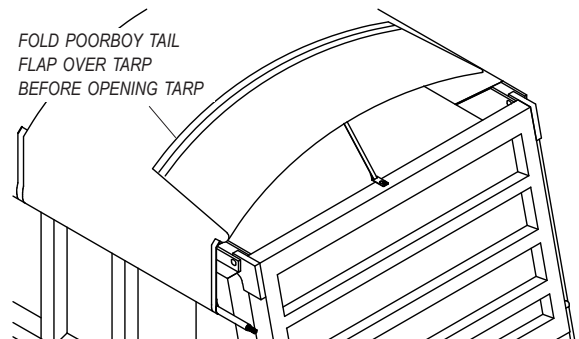
**STEP 3:** Hook rubber straps into D-rings on poorboy tail.

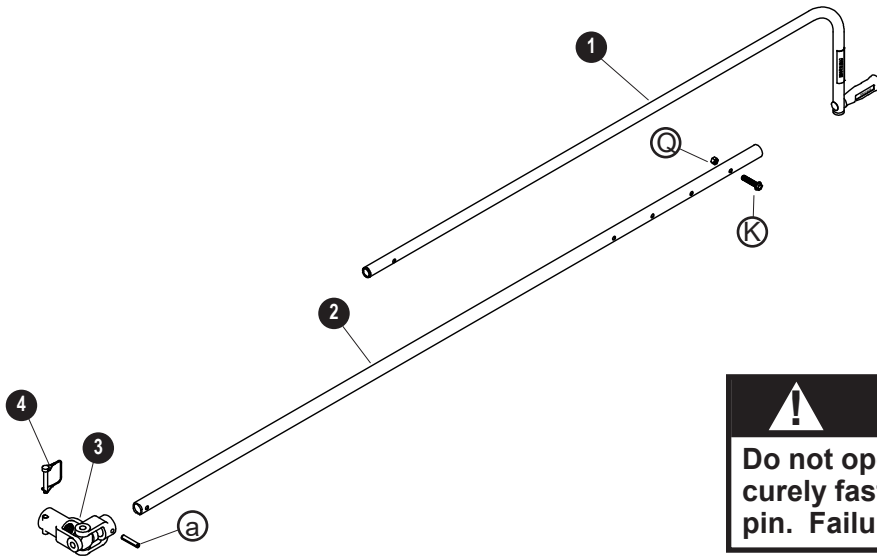


**STEP 4:** Locate and install box hooks so rubber straps will have at least 10 pounds of force pulling on them. Drill 13/64 inch holes and fasten box hooks with screws (F), washers (U) and nuts (L).



**STEP 5:** Release rubber straps from box hooks and fold flap over tarp before rolling tarp open. Close tarp and secure rubber straps to box hooks before traveling.

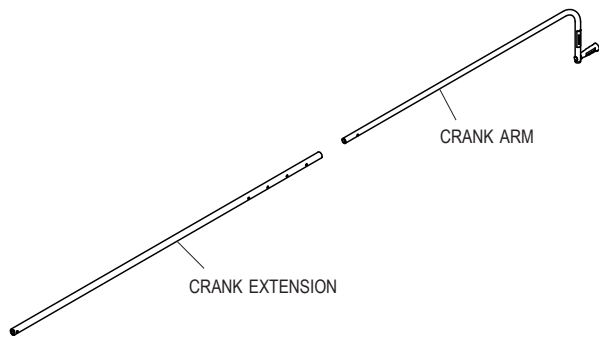




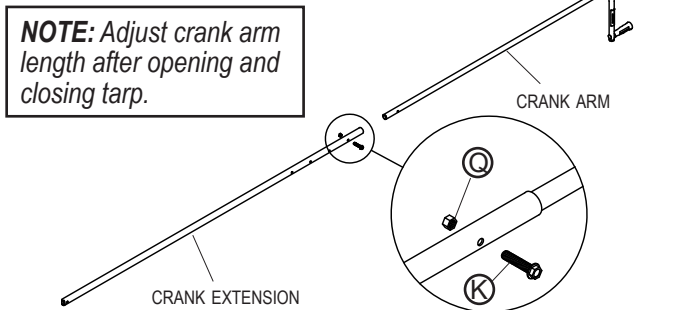
| Item | Part #  | Description               |
|------|---------|---------------------------|
| 1.   | 1100171 | Standard Crank Arm - 24"  |
|      | 1100069 | Long Crank Arm - 60"      |
| 2.   | 1100028 | Crank Extension - 80"     |
|      | 1100687 | Crank Extension - 33"     |
|      | 1106449 | Crank Extension - 96"     |
| 3.   | 1701243 | Splined U-Joint           |
| 4.   | 1700526 | Wire Lock Pin             |
| 5.   | 1700443 | Spring Pin - 3/8" x 2"    |
| K.   | 1700369 | Cap Screw - 3/8" x 1-3/4" |
| Q.   | 1700418 | Centerlock Nut - 3/8"     |
| a.   | 1700443 | Spring Pin - 3/8" x 2"    |

**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.

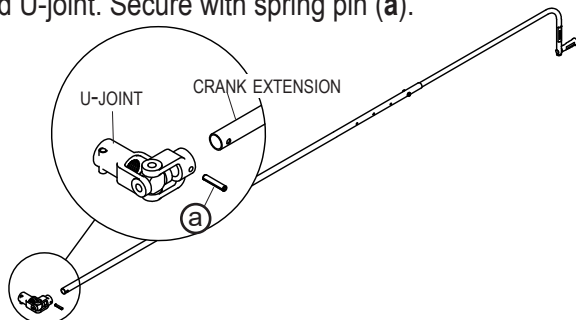


**STEP 2:** Fasten with screw (K) and nut (Q). Finger tighten.

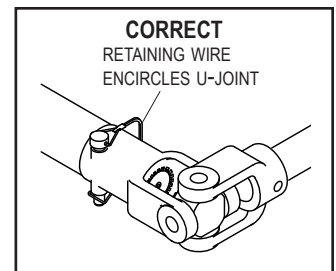
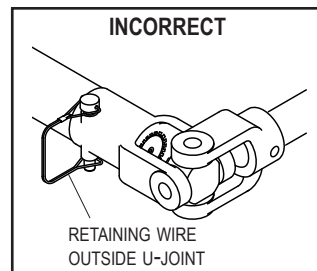
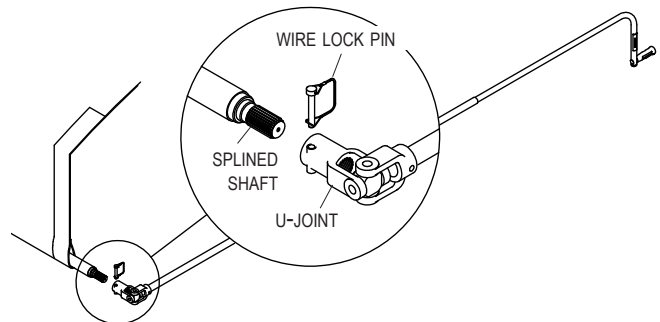


**NOTE:** Adjust crank arm length after opening and closing tarp.

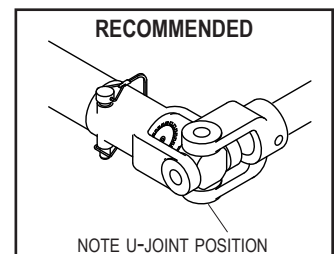
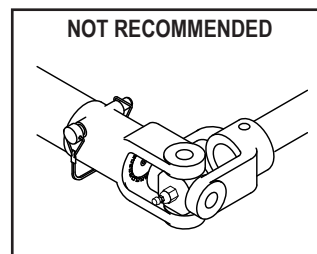
**STEP 3:** Insert crank extension with crank arm into splined U-joint. Secure with spring pin (a).



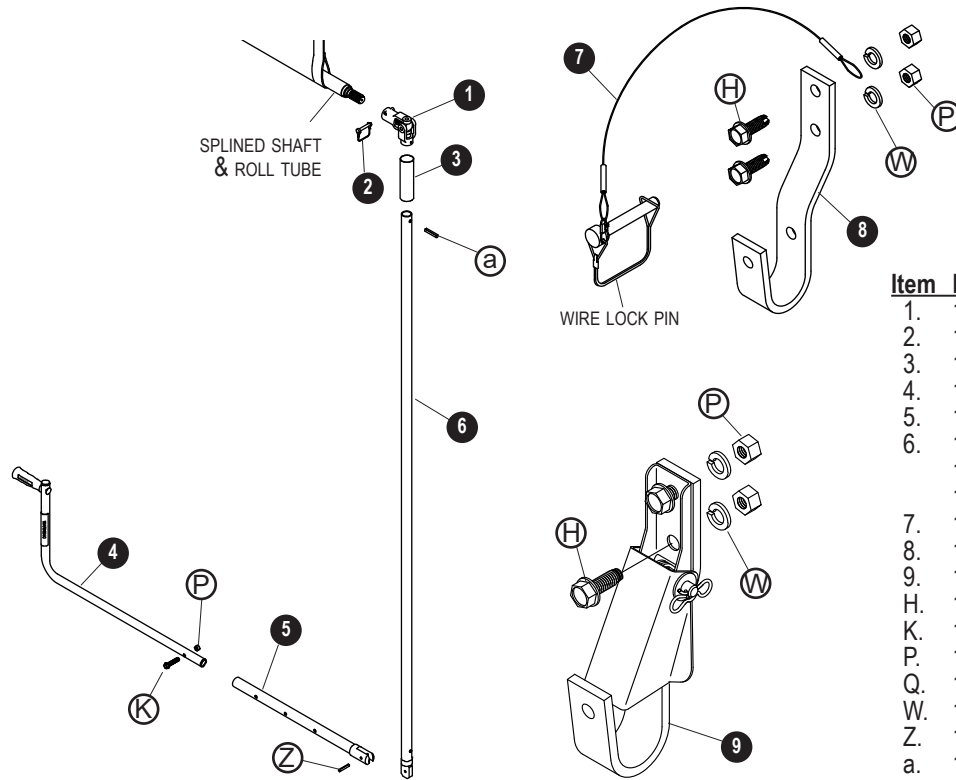
**STEP 4:** Place splined U-joint on splined shaft. Secure with wire lock pin.



**NOTE:** Retaining wire could catch on an object and be pulled loose if retaining wire protrudes from U-joint.



**NOTE:** U-joint is designed to operate as shown at right and is considerably stronger in this position.

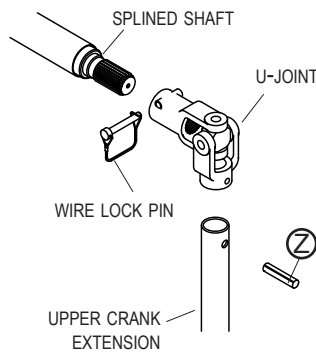


| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   | 1701243 | Splined U-Joint                |
| 2.   | 1700526 | Wire Lock Pin                  |
| 3.   | 1101924 | Lock Tube                      |
| 4.   | 1100171 | Standard Crank Arm             |
| 5.   | 1102691 | Lower Crank Extension          |
| 6.   | 1105001 | Upper Crank Extension - 40"    |
|      | 1105050 | Upper Crank Extension - 54"    |
|      | 1105049 | Upper Crank Extension - 96"    |
| 7.   | 1100574 | Cable w/Interlock Snap         |
| 8.   | 1101930 | Offset Crank Retainer J-Hook   |
| 9.   | 1114603 | Pinless Offset Crank Retainer  |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| K.   | 1700369 | Cap Screw - 3/8" x 1-3/4"      |
| P.   | 1700407 | Hex Nut - 3/8"                 |
| Q.   | 1700418 | Centerlock Nut - 3/8"          |
| W.   | 1700434 | Lock Washer - 3/8"             |
| Z.   | 1701118 | Spring Pin - 1/4" x 1-3/16"    |
| a.   | 1700443 | Spring Pin - 3/8" x 2"         |

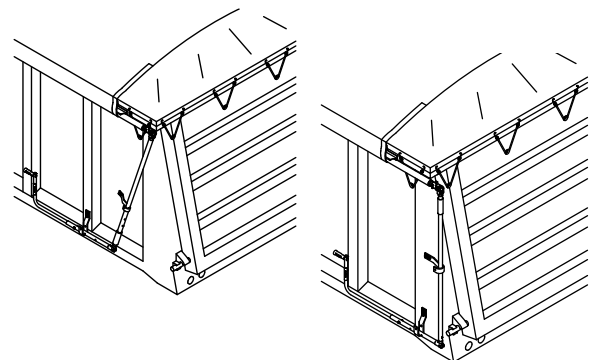
**STEP 1:** Slide lock tube over upper crank extension, then secure extension to U-joint with spring pin (a).

**STEP 2:** Secure U-joint to splined shaft on roll tube with wire lock pin (See STEP 4 on page 26).

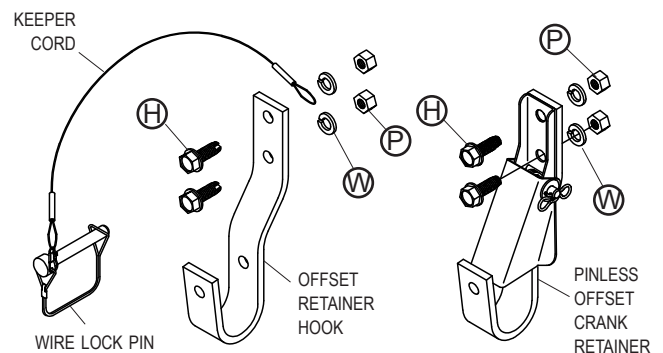
**STEP 3:** Insert crank arm into lower crank extension. Fasten with screw (K) and nut (P).



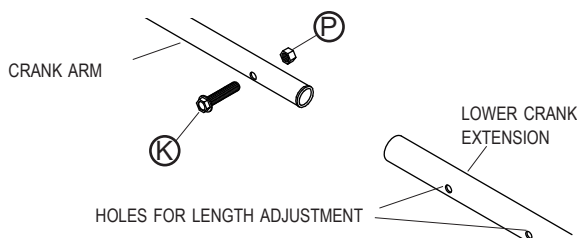
**STEP 4:** Locate crank retainers (offset or pinless offset) as shown. Allow room for lock tube to slide, permitting knuckles to bend.

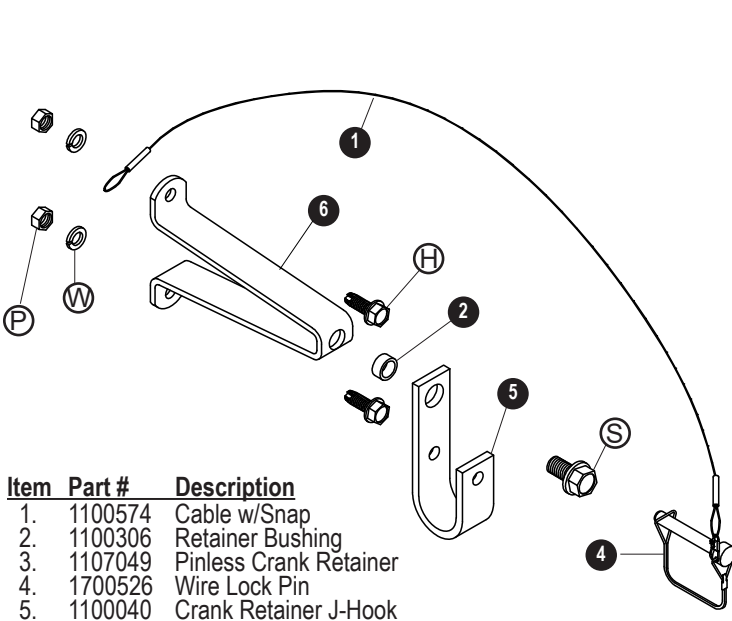


**STEP 5:** Mount retainers with screws (H), lock washers (W) and nuts (P). Attach cable with snap for offset retainer between lower lock washer and nut.

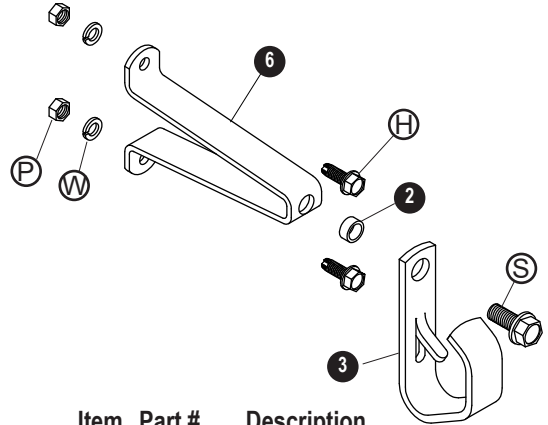


**CAUTION**  
Do not open or close tarp without U-joint securely fastened to splined shaft with wire lock pin. Failure to do so could result in injury.



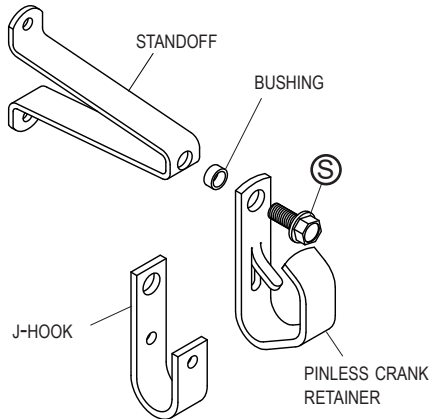


| Item | Part #  | Description            |
|------|---------|------------------------|
| 1.   | 1100574 | Cable w/Snap           |
| 2.   | 1100306 | Retainer Bushing       |
| 3.   | 1107049 | Pinless Crank Retainer |
| 4.   | 1700526 | Wire Lock Pin          |
| 5.   | 1100040 | Crank Retainer J-Hook  |

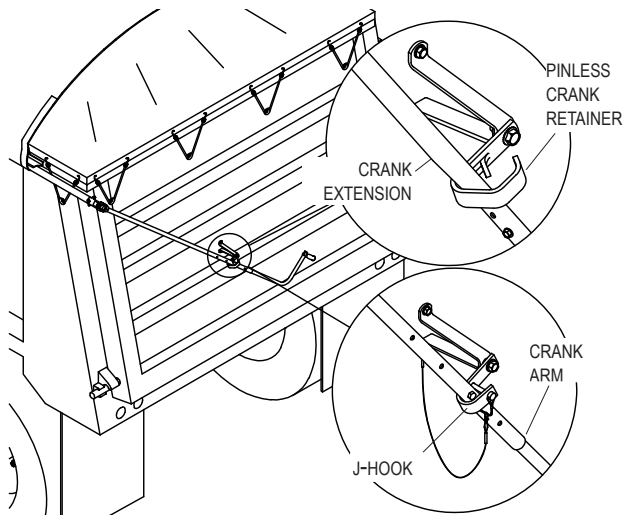


| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
| 6.   | 1100033 | Crank Retainer Standoff - 7"      |
|      | 1109478 | Crank Retainer Standoff - 11"     |
|      | 1100137 | Crank Retainer Standoff - 2"      |
|      | 1107080 | Crank Retainer Standoff - 3"      |
| H.   | 1700400 | Self-Tapping Screw - 3/8" x 1"    |
| W.   | 1700434 | Lock Washer - 3/8"                |
| P.   | 1700407 | Hex Nut - 3/8"                    |
| S.   | 1702996 | Flanged Cap Screw - 1/2" x 1-1/4" |

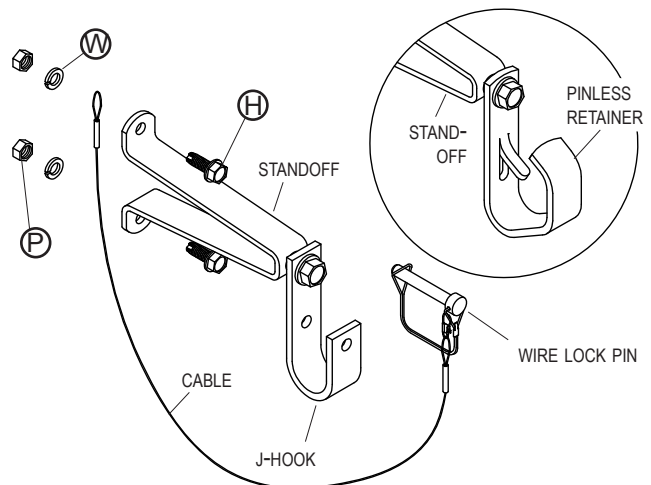
**STEP 1:** Assemble crank retainer standoff, bushing and pinless crank retainer or J-hook with screw (S).



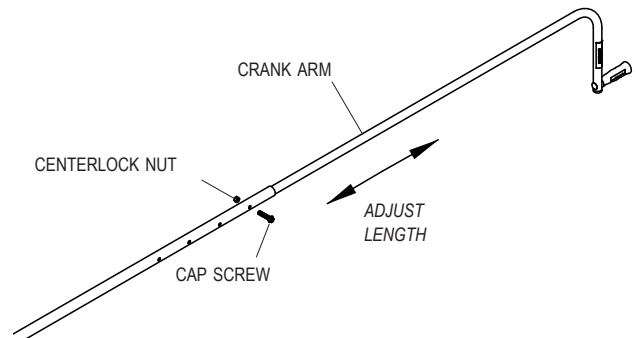
**STEP 2:** Determine crank retainer location on rear of box, positioning crank retainer above crank arm on crank extension.



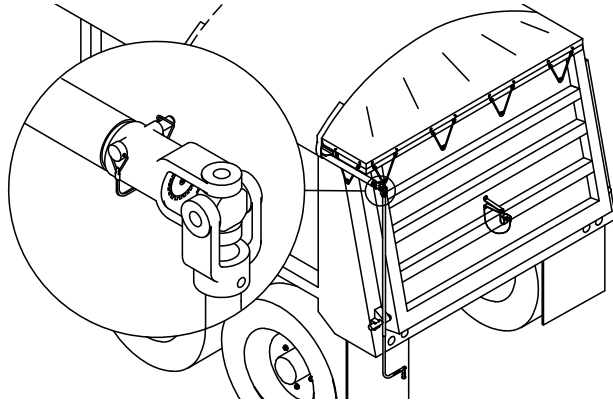
**STEP 3:** Mark and drill 5/16 inch holes and fasten retainer to box with screws (H), lock washers (W) and nuts (P). Assemble wire lock pin and cable, then fasten cable with screw (H) between box and standoff.



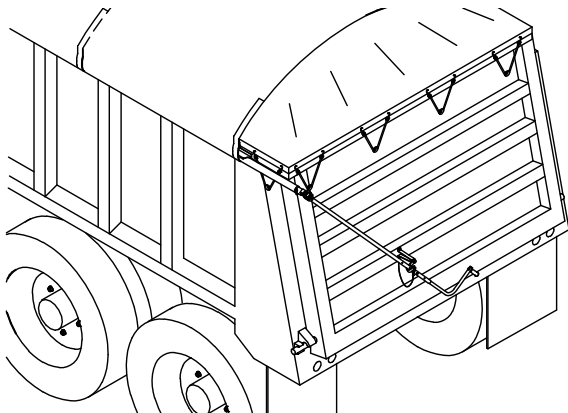
**STEP 4:** Adjust crank arm length, if required. Tighten screw and nut on crank arm.



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

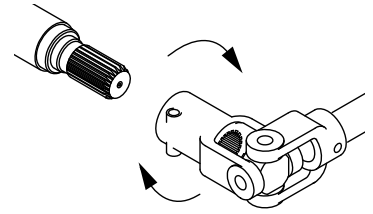


**STEP 2:** Tighten tarp by lifting crank handle up into crank retainer (about 45°).

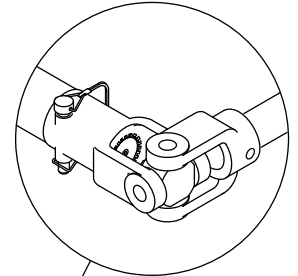


**STEP 3:** Check tarp tension. It should take 40 to 60 pounds of pressure to force crank handle into crank retainer. Crank extension will bend 1/8".

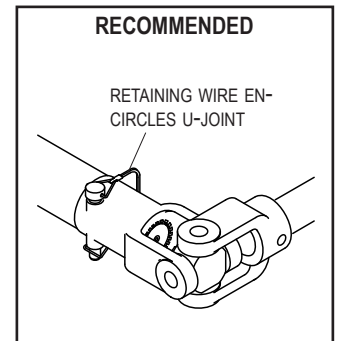
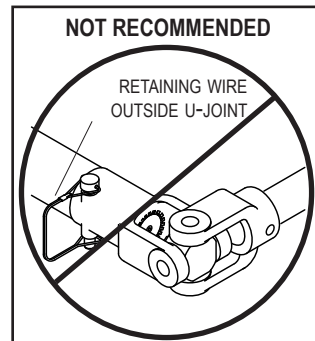
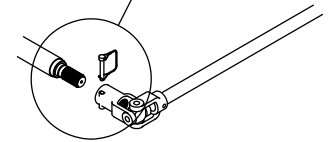
**STEP 4:** Adjust tension, if required, by removing U-joint from splined shaft, rotating U-joint one tooth and replacing it onto splined shaft.



**STEP 5:** Repeat previous steps until correct tension is achieved.



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



**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**

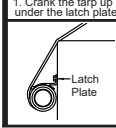
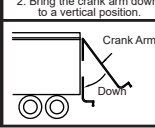
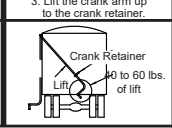


Uncontrolled crank spin. Hold crank firmly with both hands while operating. Failure to do so may result in minor or moderate injury.

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.<br>2. Remove the crank arm from the splined shaft.<br>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.

The Shur-Lok® tarping system is designed to provide years of reliable service. Follow the installation instructions, maintenance schedule and operating instructions provided to receive years of service from your Shur-Lok® system. Incorrect operation or lack of maintenance can severely impair operation of the system and cause premature tarp wear.

**MAINTENANCE SCHEDULE**

**Perform the following procedures every 2 to 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:**

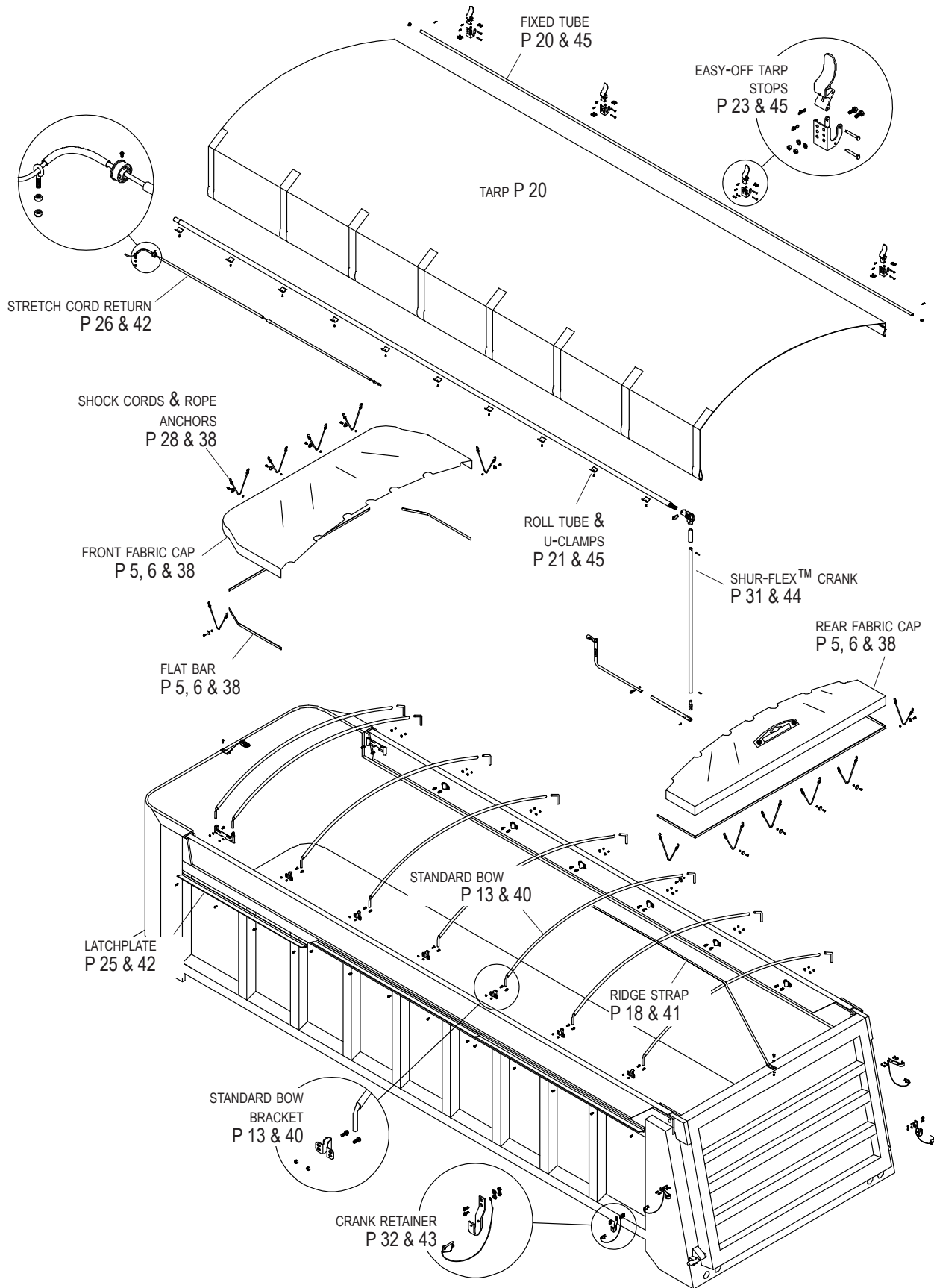
1. Release crank from crank retainer.
2. Turn crank counter-clockwise (clockwise for reverse roll) until tarp is hanging over edge of trailer completely unrolled.
3. Continue cranking to roll tarp w/roll tube up under latchplate.
4. Bring crank arm down to a vertical position.
5. Lift crank arm up and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

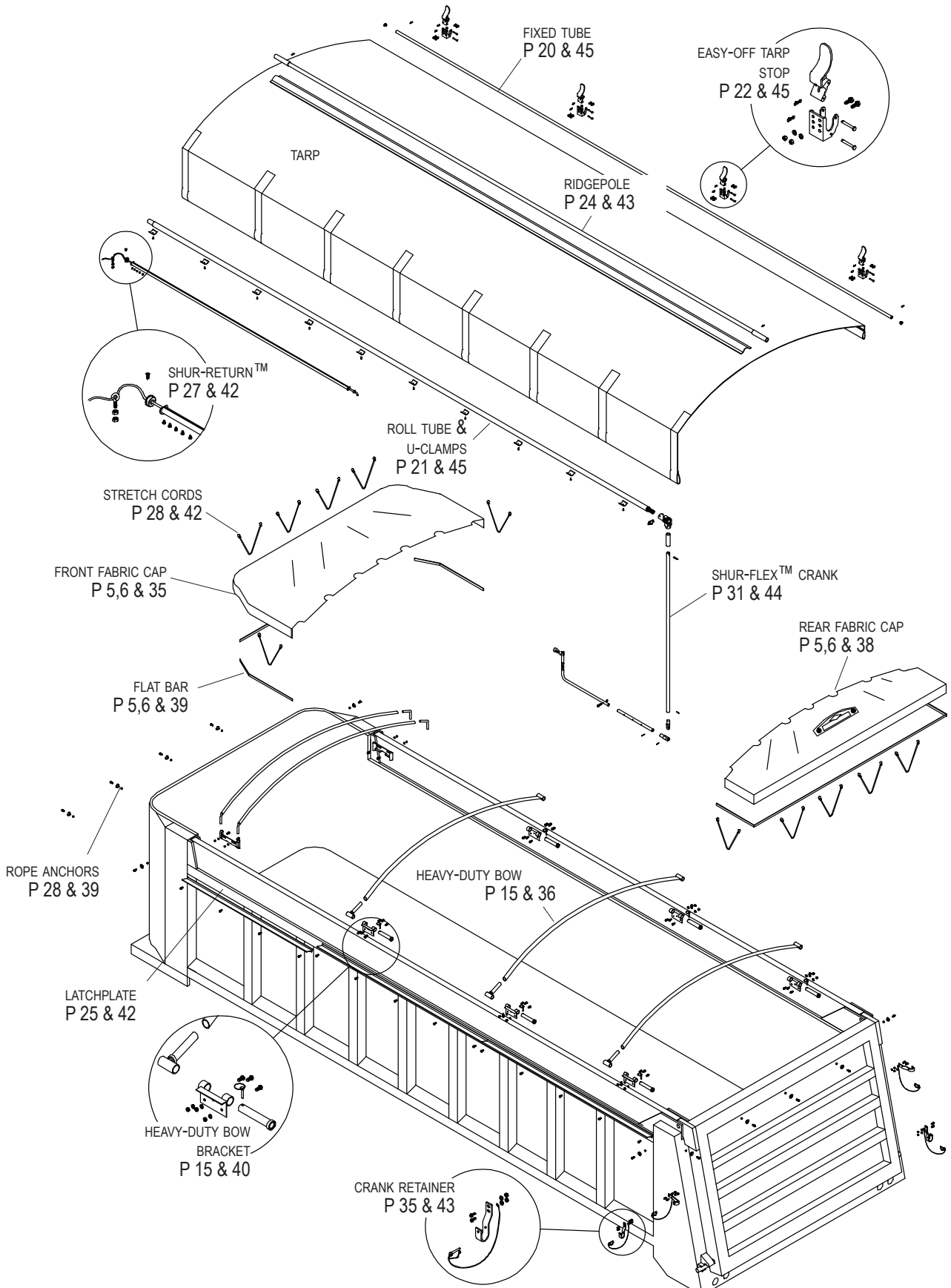
Close cover at all times, except when loading or unloading, to extend the life of your Shur-Lok® system.

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 40 to 60 lbs. of tension in crank retainer or excessive tarp wear may occur.**
4. **Secure U-joint on crank arm to splined shaft on roll tube with wire lock pin before opening or closing tarp.**
5. **Secure crank arm into crank retainer before raising box.**
6. **Do not operate this vehicle at highway speeds with tarp open.**



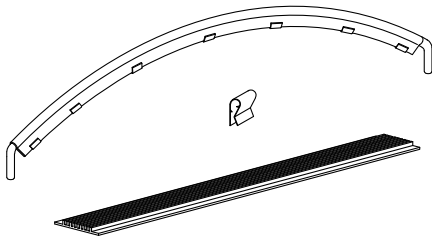


**ELECTRIC OPTIONS**

Shorten load/unload time while increasing driving time and safety. Open and close tarp from inside cab.

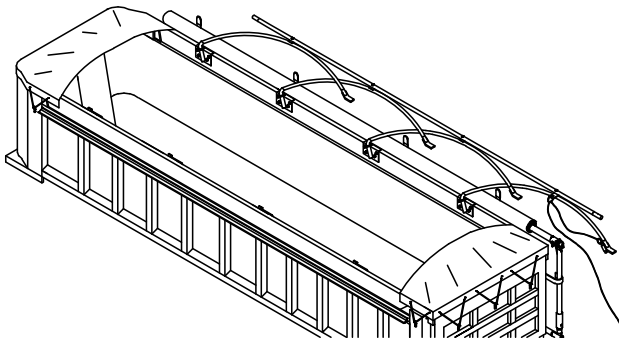
**BOW COVER**

Vinyl-coated bow cover wraps around bow to reduce tarp wear and grain splatter. Prevents rust and "black mark transfer."



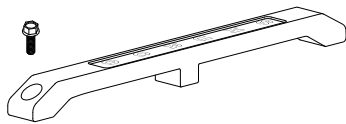
**TURNING POINT™ BOWS**

Operated from the ground, bows easily swing aside with just a pull of a rope. Bows latch securely while closed.



**ROLL TUBE DEFLECTOR**

Fastens to latchplate side of trailer and holds roll tube away from trailer to prevent damage to paint job. Fastens with 5/16" x 1 inch self-tapping screws.



**PROFESSIONAL TARP REPAIR KIT**

Repair tarp professionally using the heat-seal method. No messy adhesives or solvents. Kit includes Wagner heat gun, scissors, roller, 12 feet of 18-oz. or 22-oz. tarp pieces (specify color) and instructions.



**STANDARD TARP REPAIR KIT**

Standard tarp repair kit comes complete with adhesive, cleaner, 10 feet of tarp (specify color) and instructions.

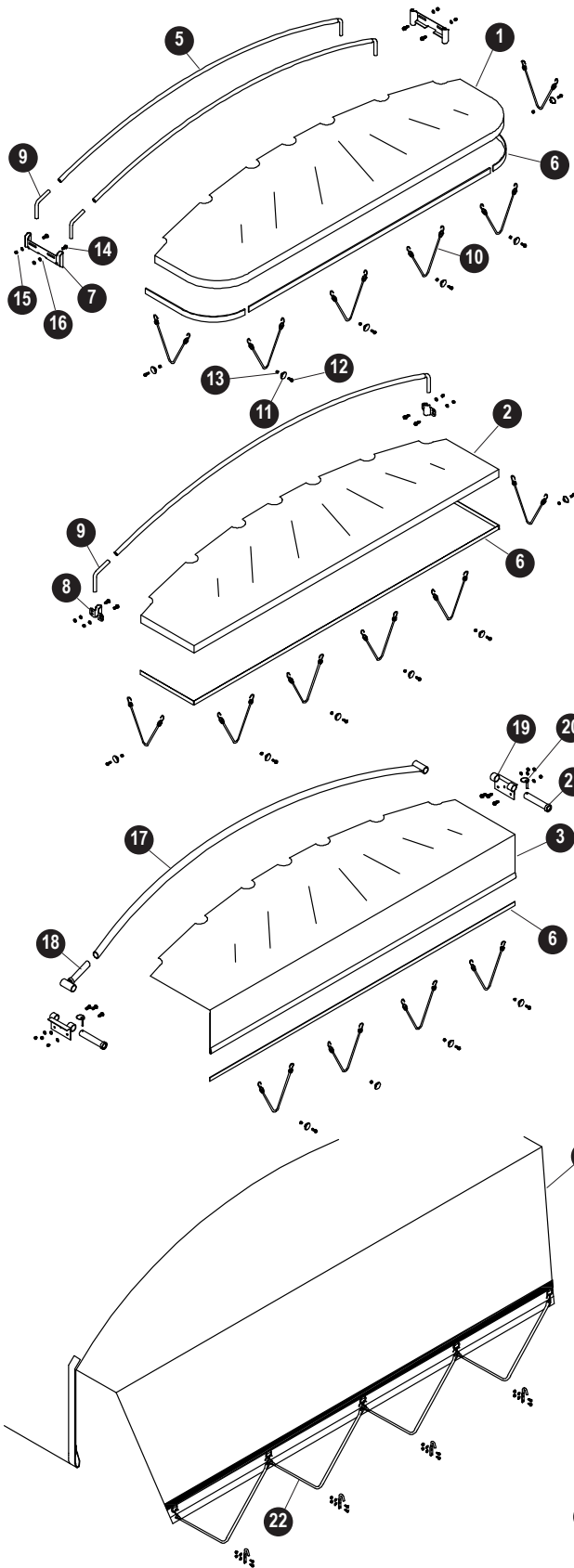


**TARP OPTIONS**

18-oz. or 22-oz. heavy-duty fabric, multicolored tarps, personalized tarps, reinforcements, extra length or width, 13 vibrant colors available.

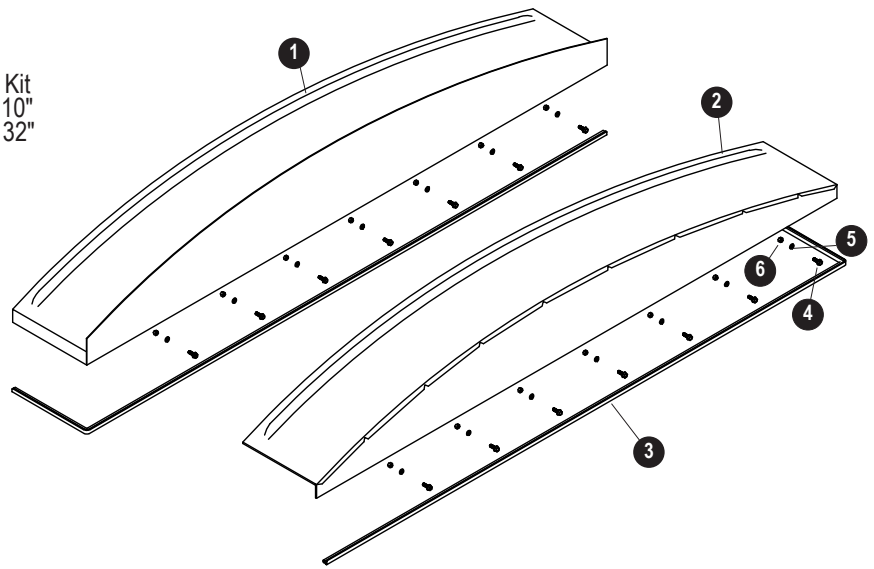
**END CAPS - FABRIC**

| Item | Part #  | Description  |
|------|---------|--|
|      | 1102903 | Single Back Low-Rise Hvy.-Duty Fabric Cap/Flap Hdw.              |
|      | 1102829 | Single Back High-Rise Hvy.-Duty Fabric Cap/Flap Hdw.             |
|      | 1100642 | Double Front Low-Rise Fabric Cap Hdw.                            |
|      | 1100641 | Double Front High-Rise Fabric Cap Hdw.                           |
|      | 1100640 | Single Back Low-Rise Std Fabric Cap Hdw.                         |
|      | 1100639 | Single Back High-Rise Std Fabric Cap Hdw.                        |
|      | 1113359 | Universal Bracket Single Back Low-Rise Standard Fabric Cap Hdw.  |
|      | 1113360 | Universal Bracket Single Back High-Rise Standard Fabric Cap Hdw. |
| 1.   | _____   | Front Cap Fabric Only  |
|      |         | Square Front - 96"   |
|      |         | Square Front - 102"  |
|      |         | Radius/Diagonal Front - 96"                                      |
|      |         | Radius/Diagonal Front - 102"                                     |
| 2.   | _____   | Rear Cap Fabric Only   |
|      |         | Square Back - 96"  |
|      |         | Square Back - 102"   |
| 3.   | _____   | Rear Flap Fabric Only  |
|      |         | Dump Flap - 96"  |
|      |         | Dump Flap - 102"   |
|      |         | Poorboy Tail Flap (included w/tarp)                              |
| 4.   | _____   |  |
| 5.   | 1100760 | Low-Rise Bow   |
|      | 1100762 | High-Rise Bow  |
| 6.   | 1700581 | Flat Bar - 103"  |
| 7.   | 1108211 | Double Bow Bracket   |
| 8.   | 1120836 | Single Bow Bracket   |
| 9.   | 1100695 | Low-Rise Bow Shank   |
|      | 1106925 | High-Rise Bow Shank  |
| 10.  | 1700990 | Heavy-Duty Shock Cord  |
| 11.  | 1701355 | Rope Anchor  |
| 12.  | 1701059 | Self-Tapping Screw - 5/16" x 1"                                  |
| 13.  | 1700419 | Nylon Lock Nut - 5/16"   |
| 14.  | 1700400 | Self-Tapping Screw - 3/8" x 1"                                   |
| 15.  | 1700407 | Hex Nut - 3/8"   |
| 16.  | 1700434 | Lock Washer - 3/8"   |
| 17.  | 1106612 | Heavy-Duty Low-Rise Bow  |
|      | 1101927 | Heavy-Duty High-Rise Bow   |
| 18.  | 1104706 | Heavy-Duty Bow Shank   |
| 19.  | 1106614 | Heavy-Duty Bow Bracket   |
| 20.  | 1701098 | Lynch Pin  |
| 21.  | 1104123 | Heavy-Duty Bow Pin   |
| 22.  | 1700650 | Rubber Tarp Strap  |
| 23.  | 1700682 | Box Hook   |
| 24.  | 1700403 | Self-Tapping Screw - 1/4" x 3/4"                                 |
| 25.  | 1700427 | Flat Washer - 1/4"   |
| 26.  | 1701543 | Nylon Lock Nut - 1/4"  |



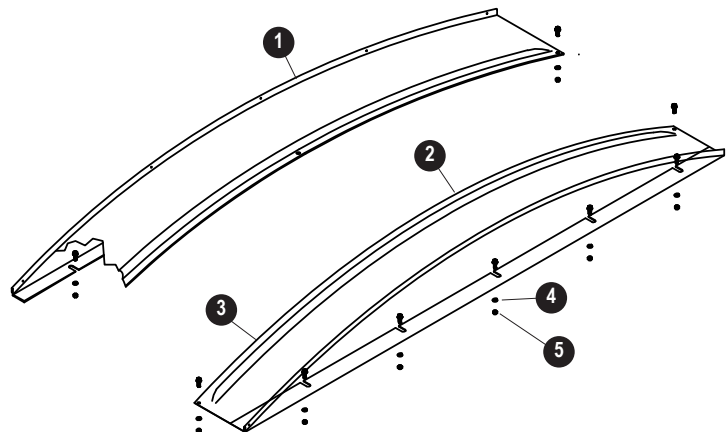
**END CAPS - ALUMINUM**

| Item | Part #              | Description                            |
|------|---------------------|--|
|      | 1107787             | Metal Cap Mounting Hardware - Bolt Kit |
|      | 1107785             | Alum. Cap Mtg. Hdw. w/Trim Seal - 110" |
|      | 1107786             | Alum. Cap Mtg. Hdw. w/Trim Seal - 132" |
| 1.   | Aluminum Front Caps |  |
|      |                     | Square Front - 94"                     |
|      |                     | Square Front - 96"                     |
|      |                     | Square Front - 102"                    |
|      |                     | Radius/Diagonal Front - 96"            |
|      |                     | Radius/Diagonal Front - 102"           |
|      |                     | Universal Front - 96"                  |
|      |                     | Universal Front - 102"                 |
| 2.   | Aluminum Back Caps  |  |
|      |                     | Square Flat Front Cap                  |
|      |                     | Square Back - 94"                      |
|      |                     | Square Back - 96"                      |
|      |                     | Square Back - 102"                     |
|      |                     | Flat Back Cap                          |
| 3.   | 1100165             | Trim Seal - 110"                       |
|      | 1100357             | Trim Seal - 132"                       |
|      | 1700152             | Trim Seal (per foot)                   |
| 4.   | 1700400             | Self-Tapping Screw - 3/8" x 1"         |
| 5.   | 1700434             | Lock Washer - 3/8"                     |
| 6.   | 1700407             | Hex Nut - 3/8"                         |



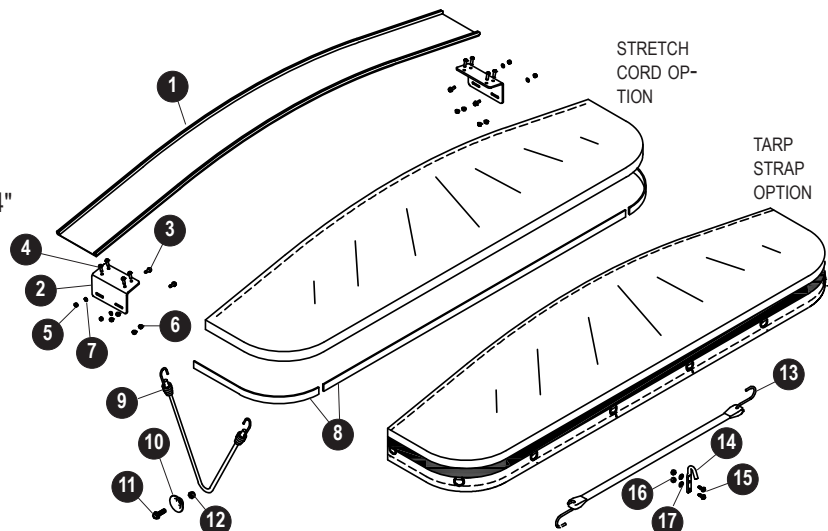
**END CAPS - GALVANIZED STEEL**

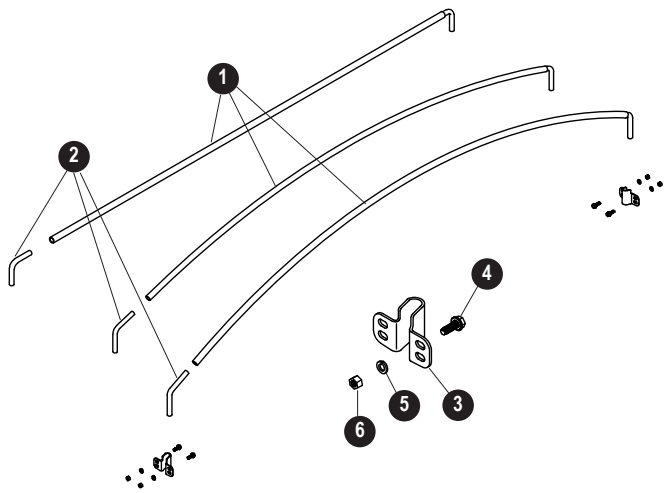
| Item | Part #  | Description                            |
|------|---------|--|
|      | 1107787 | Metal Cap Mounting Hardware - Bolt Kit |
| 1.   | 1108977 | Galvanized Low-Rise Cap - 94"          |
|      | 1108980 | Galvanized Low-Rise Cap - 95"          |
|      | 1108983 | Galvanized Low-Rise Cap - 100"         |
| 2.   | 1108986 | Galvanized High-Rise Cap - 93"         |
|      | 1108989 | Galvanized High-Rise Cap - 95"         |
|      | 1108992 | Galvanized High-Rise Cap - 100"        |
| 3.   | 1700400 | Self-Tapping Screw - 3/8" x 1"         |
| 4.   | 1700434 | Lock Washer - 3/8"                     |
| 5.   | 1700407 | Hex Nut - 3/8"                         |



**COMBO CAPS**

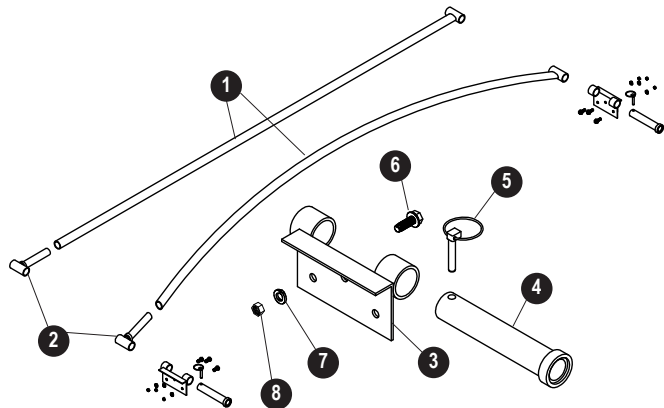
| Item | Part #  | Description                           |
|------|---------|---------------------------------------|
| 1.   | 1122863 | Combo Bow - 90 1/2" x 8" Rise         |
|      | 1122862 | Combo Bow - 104 1/2" x 12" Rise       |
|      | 1122865 | Combo Bow - 98 1/2" x 12" Rise        |
| 2.   | 1122897 | Combo Bow Bracket - 12°               |
|      | 1122899 | Combo Bow Bracket - 17°               |
| 3.   | 1700400 | Self-Tapping Screw - 3/8" x 1"        |
| 4.   | 1704706 | Button Head Cap Screw - 3/8" x 1-1/4" |
| 5.   | 1700407 | Hex Nut - 3/8"                        |
| 6.   | 1701283 | Top Lock Flange Nut - 3/8"            |
| 7.   | 1700434 | Lock Washer - 3/8"                    |
| 8.   | 1700581 | Flat Bar - 1/8" x 1" x 103"           |
| 9.   | 1700990 | Heavy-Duty Stretch Cord - 18"         |
| 10.  | 1701355 | Rope Anchor                           |
| 11.  | 1701059 | Self-Tapping Screw - 5/16" x 1"       |
| 12.  | 1700419 | Nylon Lock Nut - 5/16"                |
| 13.  | 1700650 | Rubber Tarp Strap - 21"               |
| 14.  | 1700682 | Box Hook - 5/16" Holes                |
| 15.  | 1700403 | Self-Tapping Screw - 1/4" x 3/4"      |
| 16.  | 1701543 | Nylon Lock Nut - 1/4"                 |
| 17.  | 1700427 | Flat Washer - 1/4"                    |





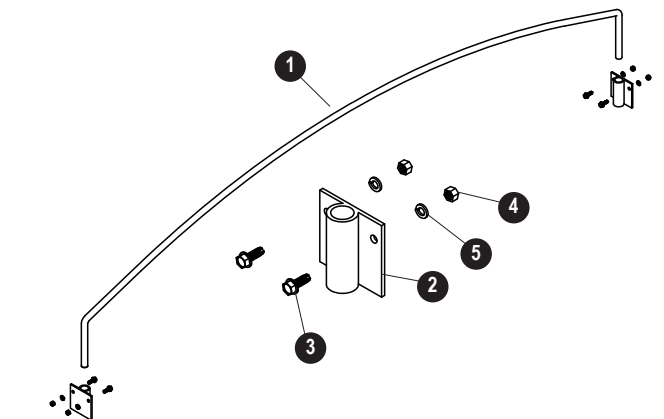
**BOWS - STANDARD STEEL**

| Item | Part #  | Description                                    |
|------|---------|--|
|      | 1111781 | Standard Flat Bow Kit                          |
|      | 1100766 | Standard Low-Rise Bow Kit                      |
|      | 1100768 | Standard High-Rise Bow Kit                     |
|      | 1109139 | Standard Low-Rise Bow Kit w/Universal Bracket  |
|      | 1109091 | Standard High-Rise Bow Kit w/Universal Bracket |
| 1    | 1100760 | Standard Low-Rise Bow                          |
|      | 1100762 | Standard High-Rise Bow                         |
|      | 1109149 | Standard Flat Bow                              |
| 2    | 1100695 | Standard Low-Rise Bow Shank                    |
|      | 1106925 | Standard High-Rise Bow Shank                   |
|      | 1109150 | Standard Flat Bow Shank                        |
| 3    | 1120836 | Single Bow Bracket                             |
| 4    | 1700400 | Self-Tapping Screw - 3/8" x 1"                 |
| 5    | 1700434 | Lock Washer - 3/8"                             |
| 6    | 1700407 | Hex Nut - 3/8"                                 |



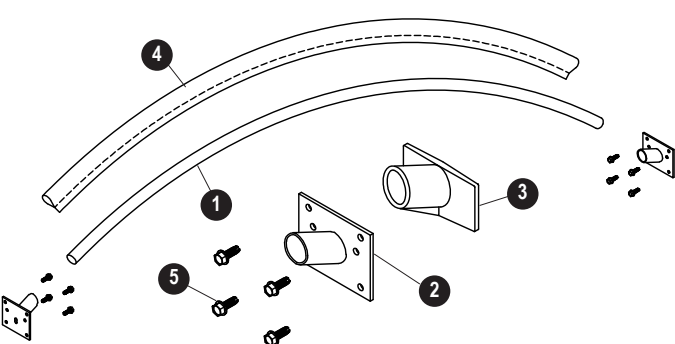
**BOWS - HEAVY-DUTY**

| Item | Part #  | Description                    |
|------|---------|--------------------------------|
|      | 1112667 | Heavy-Duty Flat Bow Kit        |
|      | 1106615 | Heavy-Duty Low-Rise Bow Kit    |
|      | 1102697 | Heavy-Duty High-Rise Bow Kit   |
| 1.   | 1106612 | Heavy-Duty Low-Rise Bow        |
|      | 1101927 | Heavy-Duty High-Rise Bow       |
|      | 1112669 | Heavy-Duty Flat Bow            |
| 2.   | 1104706 | Heavy-Duty Bow Shank           |
| 3.   | 1106614 | Heavy-Duty Bow Bracket         |
| 4.   | 1104123 | Heavy-Duty Bow Pin             |
| 5.   | 1701098 | Lynch Pin - 5/16" x 1-3/4"     |
| 6.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| 7.   | 1700434 | Lock Washer - 3/8"             |
| 8.   | 1700407 | Hex Nut - 3/8"                 |



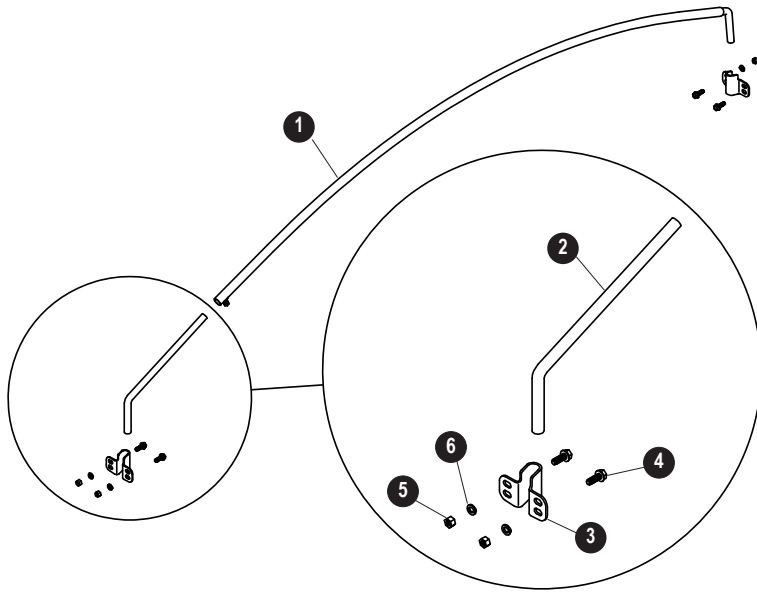
**BOWS - ALUMINUM**

| Item | Part #  | Description                    |
|------|---------|--------------------------------|
| 1.   |         | Solid Aluminum Low-Rise Bow    |
|      |         | Solid Aluminum High-Rise Bow   |
| 2.   | 1109110 | Aluminum Bow Pocket            |
| 3.   | 1700400 | Self-Tapping Screw - 3/8" x 1" |
| 4.   | 1700407 | Hex Nut - 3/8"                 |
| 5.   | 1700434 | Lock Washer - 3/8"             |



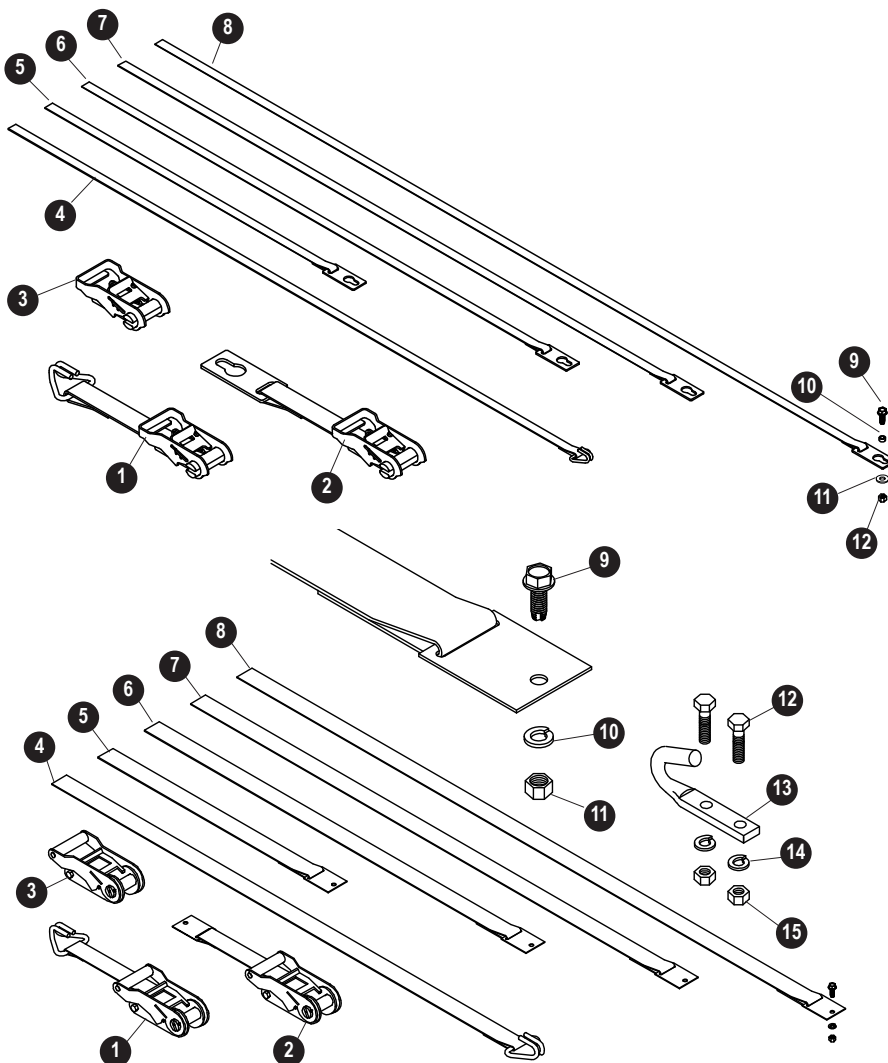
**BOWS - FLEXBOW®**

| Item | Part #  | Description                                |
|------|---------|--|
|      | 1110652 | Flexbow® - 97" Bow Kit - Steel Bracket     |
|      | 1112186 | Flexbow® - 102" Bow Kit - Steel Bracket    |
|      | 1111656 | Flexbow® - 97" Bow Kit - Aluminum Bracket  |
|      | 1112187 | Flexbow® - 102" Bow Kit - Aluminum Bracket |
| 1    | 1702625 | Flexbow® - 97"                             |
|      | 1702857 | Flexbow® - 102"                            |
| 2.   | 1110637 | Steel Flexbow® Bracket                     |
| 3.   | 1704165 | Aluminum Flexbow® Bracket                  |
| 4.   | 1111335 | Flexbow® Sock                              |
| 5.   | 1700400 | Self-Tapping Screw - 3/8" x 1"             |



**ADJUSTABLE BOWS**

| Item | Part #  | Description                                      |
|------|---------|--|
| 1.   | 1122759 | Adjustable Bow - 8" Rise - 84" to 92" - Inside   |
|      | 1122627 | Adjustable Bow - 10" Rise - 84" to 92" - Inside  |
|      | 1122818 | Adjustable Bow - 8" Rise - 93" to 101" - Inside  |
|      | 1122819 | Adjustable Bow - 10" Rise - 93" to 101" - Inside |
|      | 1122820 | Adjustable Bow - 12" Rise - 93" to 101" - Inside |
| 2.   | 1122821 | Adjustable Bow Shank - 108°                      |
|      | 1122626 | Adjustable Bow Shank - 114°                      |
|      | 1122822 | Adjustable Bow Shank - 117°                      |
| 3.   | 1120836 | Single Bow Bracket                               |
| 4.   | 1700400 | Self-Tapping Screw - 3/8" x 1"                   |
| 5.   | 1700407 | Hex Nut - 3/8"                                   |
| 6.   | 1700434 | Lock Washer - 3/8"                               |

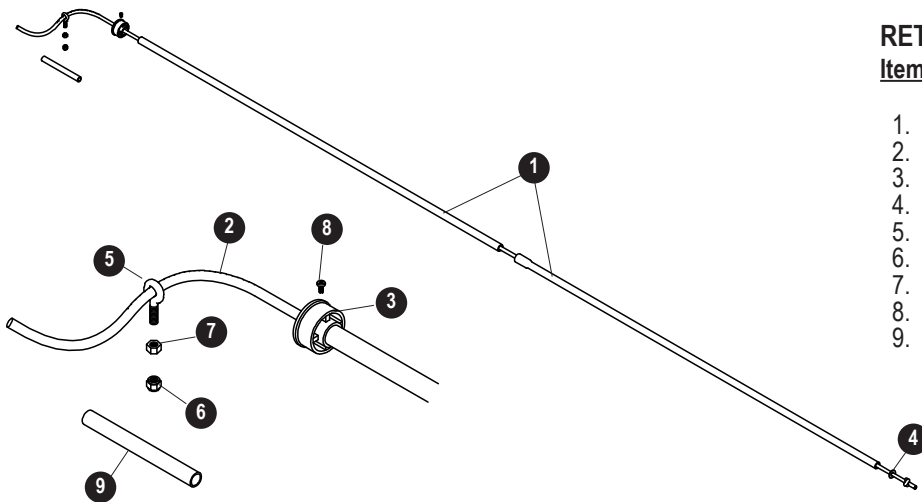


**RIDGE STRAPS - 1-INCH**

| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
|      | 1101685 | Ridge Strap Kit w/Anchor 1" x 25' |
|      | 1101686 | Ridge Strap Kit w/Anchor 1" x 39' |
|      | 1101687 | Ridge Strap Kit w/Anchor 1" x 46' |
|      | 1107068 | Ridge Strap Kit w/Anchor 1" x 56' |
|      | 1101833 | Ridge Strap Kit w/Hook 1" x 46'   |
| 1.   | 1106153 | Ratchet w/1" Ridge Strap & Hook   |
| 2.   | 1101678 | Ratchet w/1" Ridge Strap & Anchor |
| 3.   | 1700836 | Ratchet - 1" Web                  |
| 4.   | 1101835 | Ridge Strap w/Hook - 1" x 46'     |
| 5.   | 1101680 | Ridge Strap w/Anchor - 1" x 25'   |
| 6.   | 1101681 | Ridge Strap w/Anchor - 1" x 39'   |
| 7.   | 1101682 | Ridge Strap w/Anchor - 1" x 46'   |
| 8.   | 1107066 | Ridge Strap w/Anchor - 1" x 56'   |
| 9.   | 1700400 | Self-Tapping Screw - 3/8" x 1"    |
| 10.  | 1101683 | Anchor Bushing                    |
| 11.  | 1701176 | Flat Washer - 3/8"                |
| 12.  | 1700418 | Centerlock Nut - 3/8"             |

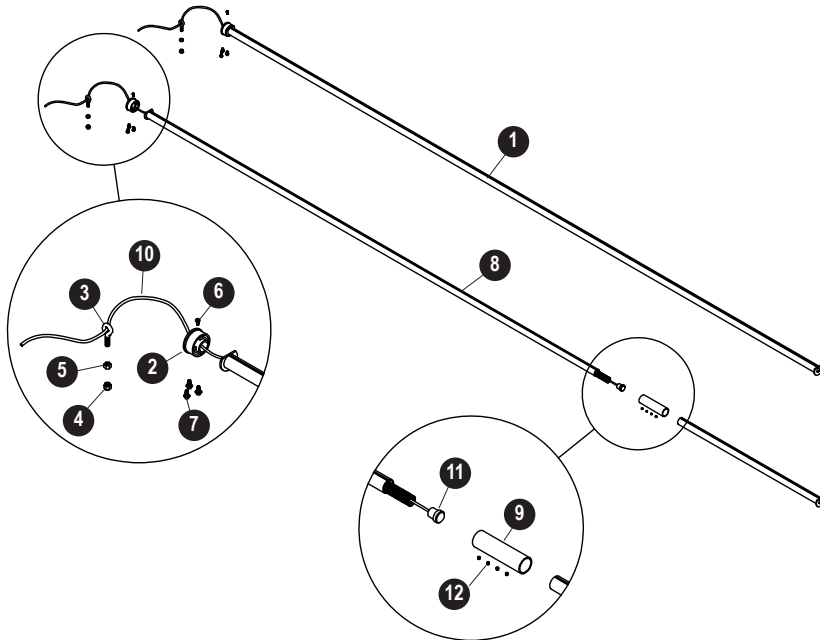
**RIDGE STRAPS - 2-INCH**

| Item | Part #  | Description                         |
|------|---------|-------------------------------------|
|      | 1100783 | Ridge Strap Kit w/Anchor - 2" x 25' |
|      | 1100784 | Ridge Strap Kit w/Anchor - 2" x 39' |
|      | 1100774 | Ridge Strap Kit w/Anchor - 2" x 46' |
|      | 1107069 | Ridge Strap Kit w/Anchor - 2" x 56' |
|      | 1111823 | Ridge Strap Kit w/ Hook - 2" x 46'  |
| 1.   | 1111818 | Ratchet w/2" Ridge Strap & Hook     |
| 2.   | 1100594 | Ratchet w/2" Ridge Strap & Anchor   |
| 3.   | 1700519 | Ratchet - 2" Web                    |
| 4.   | 1111817 | Ridge Strap w/Hook - 2" x 46'       |
| 5.   | 1100571 | Ridge Strap w/Anchor - 2" x 25'     |
| 6.   | 1100579 | Ridge Strap w/Anchor - 2" x 39'     |
| 7.   | 1100580 | Ridge Strap w/Anchor - 2" x 46'     |
| 8.   | 1107067 | Ridge Strap w/Anchor - 2" x 56'     |
| 9.   | 1700400 | Self-Tapping Screw - 3/8" x 1"      |
| 10.  | 1700434 | Lock Washer - 3/8"                  |
| 11.  | 1700407 | Hex Nut - 3/8"                      |
| 12.  | 1700381 | Cap Screw - 1/4" x 1"               |
| 13.  | 1700682 | Box Hook                            |
| 14.  | 1700436 | Lock Washer - 1/4"                  |
| 15.  | 1700408 | Hex Nut - 1/4"                      |



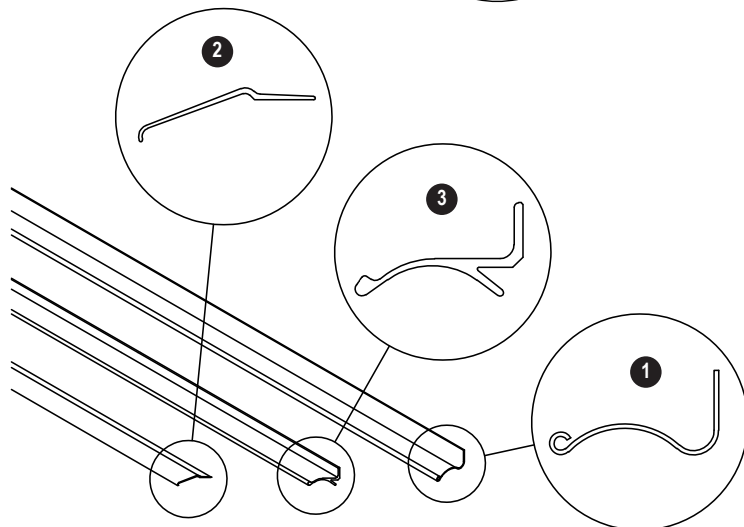
**RETURNS - STRETCH CORD**

| Item | Part #  | Description                      |
|------|---------|----------------------------------|
|      | 1114359 | Stretch Cord Roll Return Kit     |
| 1.   | 1111067 | Roll Return Tube Set             |
| 2.   | 1114360 | Stretch Cord                     |
| 3.   | 1100138 | Nylon End Plug                   |
| 4.   | 1703373 | Flat Washer - 1/2"               |
| 5.   | 1700717 | Eyebolt Anchor - 5/16"           |
| 6.   | 1700419 | Nylon Lock Nut - 5/16"           |
| 7.   | 1700411 | Hex Nut - 5/16"                  |
| 8.   | 1704743 | Self-Drilling Screw - #10 x 1/2" |
| 9.   | 1107680 | Roll Return Cord Cover           |



**RETURNS - SHUR-RETURN™**

| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
|      | 1100824 | Shur-Return™ Kit                  |
|      | 1107881 | UPS-able Shur-Return™ Kit         |
| 1.   | 1100832 | Tube Assembly                     |
| 2.   | 1100138 | Nylon End Plug                    |
| 3.   | 1700717 | Eyebolt Anchor - 5/16"            |
| 4.   | 1700419 | Nylon Lock Nut - 5/16"            |
| 5.   | 1700411 | Hex Nut - 5/16"                   |
| 6.   | 1704743 | Self-Drilling Screw - #10 x 1/2"  |
| 7.   | 1700736 | Self-Tapping Screw - 1/4" x 1/2"  |
| 8.   | 1107880 | UPS-able Shur-Return™             |
| 9.   | 1107879 | Connector Sleeve                  |
| 10.  | 1100826 | Shur-Return™ Rope                 |
| 11.  | 1100827 | Shur-Return™ Spring Retainer Plug |
| 12.  | 1701423 | Set Screw - #10 x 3/16"           |

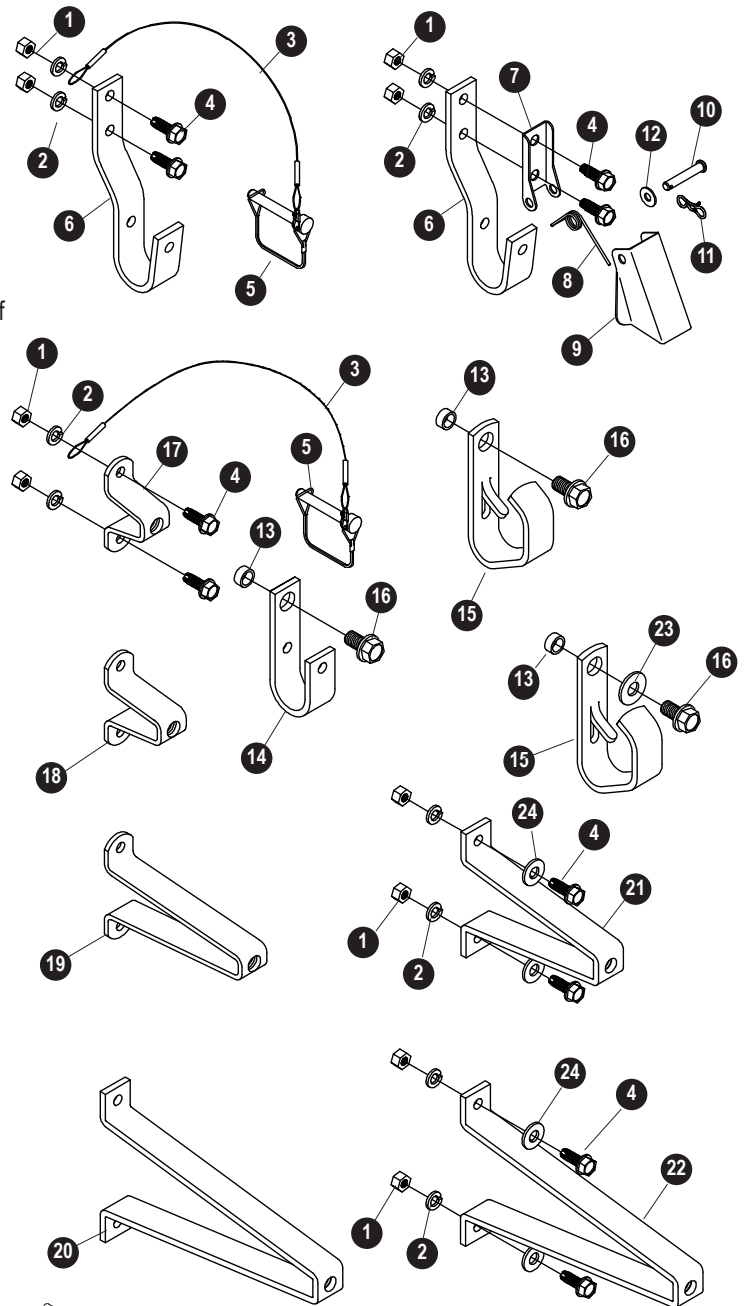


**LATCHPLATES**

| Item | Part #  | Description                           |
|------|---------|---------------------------------------|
| 1.   | 1701546 | Galvanized Side-Mount Latchplate - 4' |
|      | 1113005 | Galvanized Side-Mount Latchplate - 6' |
|      | 1701547 | Galvanized Side-Mount Latchplate - 8' |
| 2.   | 1100370 | Aluminum Top-Mount Latchplate - 4'    |
|      | 1100369 | Aluminum Top-Mount Latchplate - 6'    |
|      | 1100368 | Aluminum Top-Mount Latchplate - 8'    |
| 3.   | 1100749 | Aluminum Side-Mount Latchplate - 4'   |
|      | 1700802 | Aluminum Side-Mount Latchplate - 6'   |
|      | 1700522 | Aluminum Side-Mount Latchplate - 8'   |

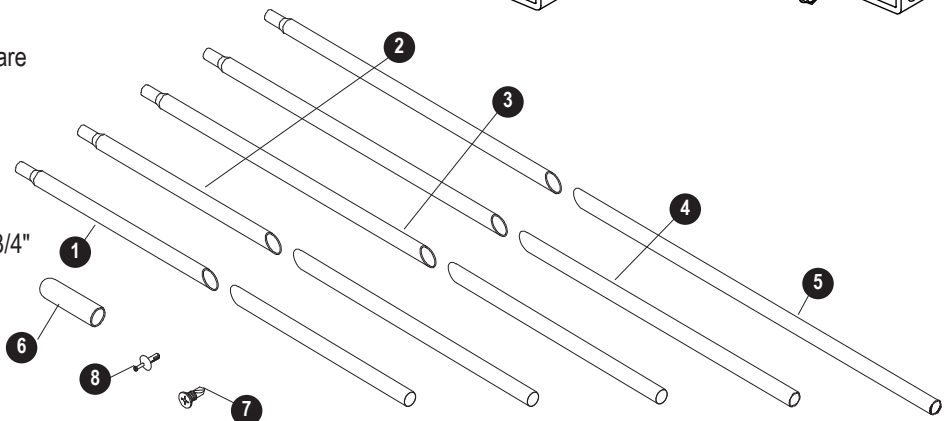
**CRANK RETAINERS**

| Item | Part #  | Description   |
|------|---------|---|
|      | 1100386 | Crank Retainer Kit w/7" Standoff                    |
|      | 1100388 | Crank Retainer Kit w/2" Standoff                    |
|      | 1107047 | Pinless Crank Retainer Kit w/7" Standoff            |
|      | 1107048 | Pinless Crank Retainer Kit w/2" Standoff            |
|      | 1107052 | Pinless Crank Retainer Hardware Kit                 |
|      | 1101929 | Offset Crank Retainer Kit                           |
|      | 1114603 | Offset Pinless Crank Retainer Kit                   |
|      | 1114602 | Offset Pinless Crank Retainer Retrofit Kit          |
|      | 1115515 | Stainless Pinless Crank Retainer Kit w/7" Standoff  |
|      | 1115516 | Stainless Pinless Crank Retainer Kit w/11" Standoff |
| 1.   | 1700407 | Hex Nut - 3/8"                                      |
|      | 1200999 | Stainless Hex Nut - 3/8"                            |
| 2.   | 1700434 | Lock Washer - 3/8"                                  |
|      | 1703576 | Stainless Lock Washer - 3/8"                        |
| 3.   | 1100574 | Cable w/#5 Interlock Snap                           |
| 4.   | 1700400 | Self-Tapping Screw - 3/8" x 1"                      |
|      | 1703579 | Stainless Cap Screw - 3/8" x 1"                     |
| 5.   | 1700526 | Wire Lock Pin                                       |
| 6.   | 1101930 | Offset J-Hook - Crank Retainer                      |
| 7.   | 1114599 | Offset Pinless Crank Retainer Base Plate            |
| 8.   | 1703134 | Tension Spring                                      |
| 9.   | 1114600 | Offset Pinless Crank Retainer Lock                  |
| 10.  | 1703133 | Clevis Pin - 5/16" x 1-3/4"                         |
| 11.  | 1704380 | Bowtie Cotter Pin -1- 3/8"                          |
| 12.  | 1700427 | Flat Washer - 1/4"                                  |
| 13.  | 1100306 | Retainer Bushing - 11/16"                           |
| 14.  | 1100040 | J-Hook Crank Retainer                               |
| 15.  | 1107049 | Pinless Crank Retainer                              |
|      | 1115514 | Stainless Pinless Crank Retainer                    |
| 16.  | 1702996 | Cap Screw - 1/2" x 1-1/4"                           |
|      | 1703619 | Stainless Cap Screw - 1/2" x 1-1/4"                 |
| 17.  | 1100137 | Crank Retainer Standoff - 2"                        |
| 18.  | 1107080 | Crank Retainer Standoff - 3"                        |
| 19.  | 1100033 | Crank Retainer Standoff - 7"                        |
| 20.  | 1109478 | Crank Retainer Standoff - 11"                       |
| 21.  | 1115511 | Stainless Crank Retainer Standoff w/Nut - 7"        |
| 22.  | 1115513 | Stainless Crank Retainer Standoff w/Nut - 11"       |
| 23.  | 1703620 | Stainless Flat Washer - 1/2"                        |
| 24.  | 1703577 | Stainless Flat Washer - 3/8"                        |



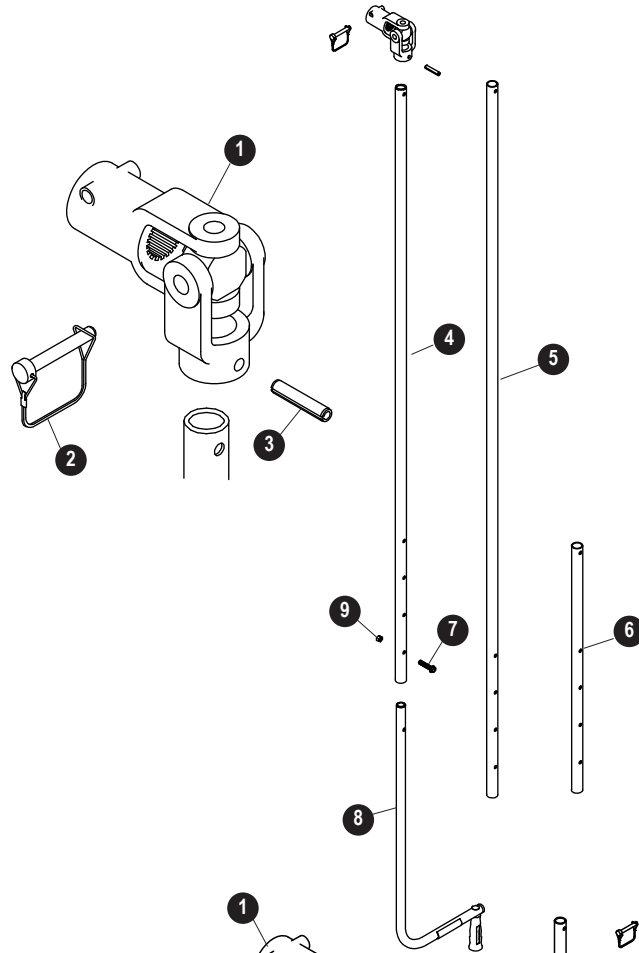
**RIDGEPOLES**

| Item | Part #  | Description                       |
|------|---------|-----------------------------------|
|      | 1105310 | Rollaway Ridgepole Hardware       |
| 1.   | 1706159 | Ridgepole Tube - 8'               |
| 2.   | 1706158 | Ridgepole Tube - 11'              |
| 3.   | 1701204 | Ridgepole Tube - 16'              |
| 4.   | 1701205 | Ridgepole Tube - 20'              |
| 5.   | 1701206 | Ridgepole Tube - 24'              |
| 6.   | 1700212 | Protective Cap                    |
| 7.   | 1704768 | Self-Drilling Screw - 1/4" x 3/4" |
| 8.   | 1700474 | Drive Rivet - 1/4"                |



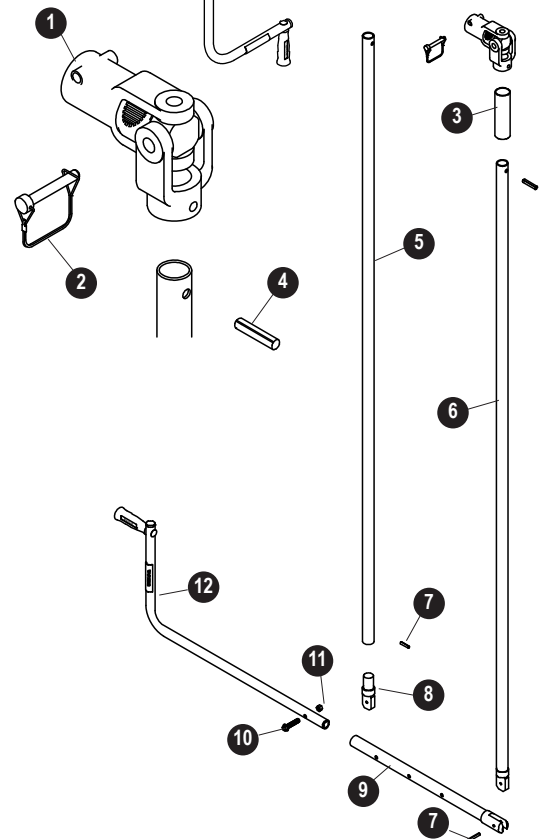
**CRANK ARMS - STANDARD**

| Item | Part #  | Description                      |
|------|---------|----------------------------------|
|      | 1100816 | Standard Shur-Lok® Crank Arm Kit |
|      | 1100813 | Long Shur-Lok® Crank Arm Kit     |
|      | 1100812 | Short Shur-Lok® Crank Arm Kit    |
| 1.   | 1701243 | Splined U-Joint                  |
| 2.   | 1700526 | Wire Lock Pin                    |
| 3.   | 1700443 | Spring Pin - 3/8" x 2"           |
| 4.   | 1100028 | Crank Extension - 80"            |
| 5.   | 1106449 | Crank Extension - 96"            |
| 6.   | 1100687 | Crank Extension - 33"            |
| 7.   | 1700369 | Cap Screw - 3/8" x 1-3/4"        |
| 8.   | 1100171 | Standard Crank Arm - 24"         |
|      | 1100069 | Long Crank Arm - 60"             |
| 9.   | 1700418 | Centerlock Nut - 3/8"            |



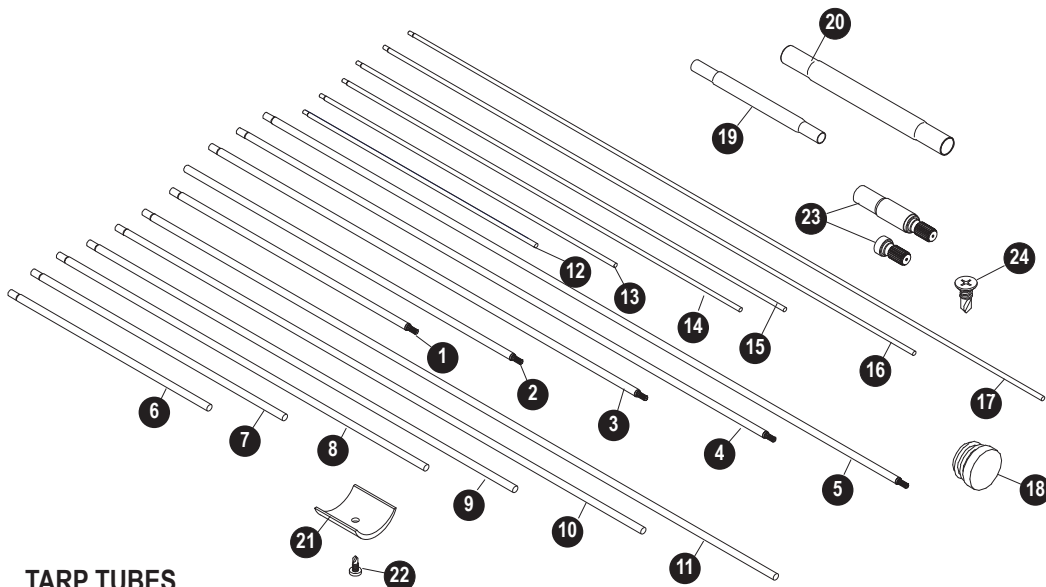
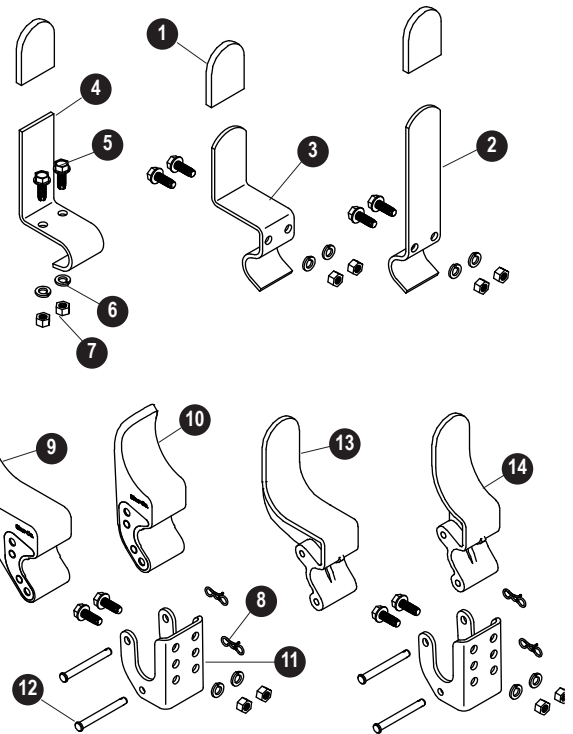
**CRANK ARMS - SHUR-FLEX™**

| Item | Part #  | Description  |
|------|---------|--|
|      | 1101931 | Shur-Flex™ Crank Arm Kit - 40" Upper Extension     |
|      | 1107918 | Shur-Flex™ Crank Arm Kit - 54" Upper Extension     |
|      | 1105176 | Shur-Flex™ Crank Arm Kit - 96" Upper Extension     |
|      | 1102782 | Shur-Flex™ Universal Crank Arm Kit - 96" Extension |
| 1.   | 1701243 | Splined U-Joint                                    |
| 2.   | 1700526 | Wire Lock Pin                                      |
| 3.   | 1101924 | Lock Tube - 5-1/2"                                 |
| 4.   | 1700443 | Spring Pin - 3/8" x 2"                             |
| 5.   | 1105001 | Shur-Flex™ Upper Crank Extension - 40"             |
|      | 1105050 | Shur-Flex™ Upper Crank Extension - 54"             |
|      | 1105049 | Shur-Flex™ Upper Crank Extension - 96"             |
| 6.   | 1100028 | Crank Extension - 80"                              |
| 7.   | 1701118 | Spring Pin - 1/4" x 1-3/16"                        |
| 8.   | 1101921 | Male Knuckle                                       |
|      | 1101920 | Female Knuckle                                     |
| 9.   | 1102691 | Lower Extension - 20"                              |
| 10.  | 1700369 | Cap Screw - 3/8" x 1-3/4"                          |
| 11.  | 1700418 | Centerlock Nut - 3/8"                              |
| 12.  | 1100171 | Standard Crank Arm - 24"                           |



**TARP STOPS**

| Item | Part #  | Description  |
|------|---------|--|
|      | 1118389 | Bowtie Cotter/Pin Ring Assembly                      |
|      | 1111092 | Standard Tarp Stop Kit                               |
|      | 1111093 | Offset Tarp Stop Kit                                 |
|      | 1111096 | Recessed Tarp Stop Kit                               |
|      | 1111094 | Easy-Off Aluminum Tarp Stop Kit                      |
|      | 1111095 | Easy-Off Aluminum 6" Offset Tarp Stop Kit            |
|      | 1114047 | Easy-Off Flexible Tarp Stop Kit                      |
|      | 1114388 | Easy-Off Flexible 6" Offset Tarp Stop Kit            |
|      | 1124768 | Easy-Off Aluminum Tarp Stop Assembly                 |
|      | 1124771 | Easy-Off Aluminum 6" Offset Tarp Stop Assembly       |
|      | 1114017 | Easy-Off Flexible Tarp Stop Assembly                 |
|      | 1114515 | Easy-Off Flexible 6" Offset Tarp Stop Assembly       |
| 1.   | 1700729 | Protective Cap                                       |
| 2.   | 1100049 | Standard Tarp Stop                                   |
| 3.   | 1100392 | Offset Tarp Stop                                     |
| 4.   | 1105163 | Recessed Tarp Stop                                   |
| 5.   | 1700400 | Self-Tapping Screw - 3/8" x 1"                       |
| 6.   | 1700434 | Lock Washer - 3/8"                                   |
| 7.   | 1700407 | Hex Nut - 3/8"                                       |
| 8.   | 1704380 | Bowtie Cotter Pin                                    |
| 9.   | 1115217 | Easy-Off Flexible 6" Offset Tarp Stop w/Safety Plate |
| 10.  | 1115216 | Easy-Off Flexible Tarp Stop w/Safety Plate           |
| 11.  | 1100833 | Easy-Off Tarp Stop Body                              |
| 12.  | 1703604 | Clevis Pin - 5/16" x 2-7/8"                          |
| 13.  | 1705454 | Easy-Off Aluminum 6" Offset Tarp Stop Upright        |
| 14.  | 1705775 | Easy-Off Aluminum Tarp Stop Upright                  |



**TARP TUBES**

| Item | Part #  | Description                      | Item | Part #  | Description                       |
|------|---------|----------------------------------|------|---------|-----------------------------------|
| 1.   | 1128148 | Roll Tube w/Spline - 2" x 8'-2"  | 14.  | 1706154 | Fixed Tube - 1-1/8" x 15'         |
| 2.   | 1128147 | Roll Tube w/Spline - 2" x 11'-8" | 15.  | 1700051 | Fixed Tube - 1-1/8" x 16'         |
| 3.   | 1107057 | Roll Tube w/Spline - 2" x 16'    | 16.  | 1700049 | Fixed Tube - 1-1/8" x 20'         |
| 4.   | 1107058 | Roll Tube w/Spline - 2" x 20'    | 17.  | 1701428 | Fixed Tube - 1-1/8" x 24'         |
| 5.   | 1107059 | Roll Tube w/Spline - 2" x 24'    | 18.  | 1700523 | Plastic End Plug                  |
| 6.   | 1706153 | Roll Tube - 2" x 8'              | 19.  | 1107077 | Fixed Tube Swaged Connector       |
| 7.   | 1706152 | Roll Tube - 2" x 11'             | 20.  | 1107076 | Roll Tube Swaged Connector        |
| 8.   | 1706151 | Roll Tube - 2" x 15'             | 21.  | 1701354 | Plastic U-Clamp                   |
| 9.   | 1700048 | Roll Tube - 2" x 16'             | 22.  | 1700398 | Self-Drilling Screw - 1/4" x 3/4" |
| 10.  | 1700046 | Roll Tube - 2" x 20'             |      | 1700736 | Self-Tapping Screw - 1/4" x 1/2"  |
| 11.  | 1701427 | Roll Tube - 2" x 24'             | 23.  | 1107260 | Spline Shaft Replacement          |
| 12.  | 1706156 | Fixed Tube - 1-1/8" x 8'         |      | 1701244 | Spline Shaft w/o Connector Tube   |
| 13.  | 1706155 | Fixed Tube - 1-1/8" x 11'        | 24.  | 1704768 | Self-Drilling Screw - 1/4" x 3/4" |





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