



TARP SYSTEMS & ACCESSORIES

READ BEFORE INSTALLING

P/N 1100193 Rev. MM



**Farm Body, Grain Trailer,
Open-Top Van, Tender & Spreader**

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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TERMS AND CONDITIONS



WARRANTY



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Unit 41, Rochester Airport Estate
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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 symbol  is 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

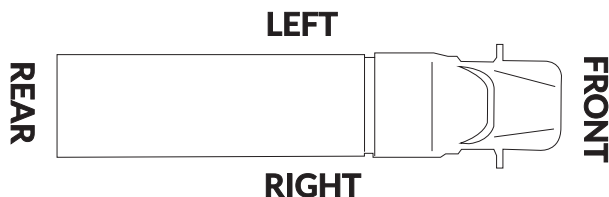
MON-FRI 8 AM-5 PM CENTRAL TIME

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. Always wear safety glasses during installation and operation.**
- 2. Keep body and clothing clear of moving parts.**
- 3. Hold crank firmly with both hands while opening and closing tarp.**
- 4. Place safety decals in visible locations. Replace worn or damaged decals.**
- 5. No other use of this system is authorized, except as designed.**

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

NOTE: Throughout this manual, where self-tapping screws (**H**) are used with lock washers (**V**) and nuts (**R**), use washers and nuts, if possible, and drill 13/32 inch holes. Self-tapping screws used without washers and nuts require a minimum wall thickness of 3/16 inch. Drill 5/16 inch holes.

A

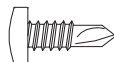
1701423 - Set Screw - #10 x 3/16"

B

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

C

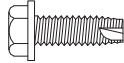
1700736 - Self-Tapping Screw - 1/4" x 1/2"

D

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

E

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

F

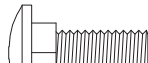
1700403 - Self-Tapping Screw - 1/4" x 3/4"

G

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

H

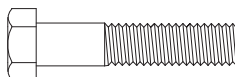
1700400 - Self-Tapping Screw - 3/8" x 1"

J

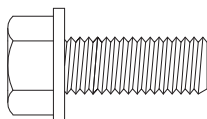
1702522 - Carriage Bolt - 3/8" x 1"

K

1703579 - SS Cap Screw - 3/8" x 1"

L

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

M

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

N

1701543 - Nylon Lock Nut - 1/4"

P

1700411 - Hex Nut - 5/16"

Q

1700419 - Nylon Lock Nut - 5/16"

R

1200999 - SS Hex Nut - 3/8"

S

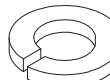
1700407 - Hex Nut - 3/8"

T

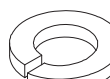
1700418 - Centerlock Nut - 3/8"

U

1700427 - Flat Washer - 1/4"

V

1703576 - SS Lock Washer - 3/8"

W

1700434 - Lock Washer - 3/8"

X

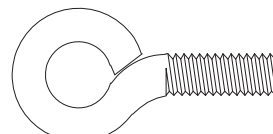
1703577 - SS Flat Washer - 3/8"

Y

1703373 - Flat Washer - 1/2"

Z

1701176 - Flat Washer - 3/8"

a

1700717 - Eyebolt - 5/16"

TARP INSPECTION

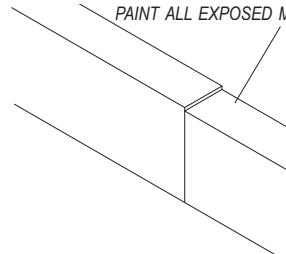
Tarp length: Determine tarp length with slight tension applied. Compare actual tarp length with length stated on sheet attached to tarp. If tarp length does not match length on sheet, do not proceed. Call your local dealer, or call Shur-Co® Customer Service at 1-866-748-7435.

BOX PREPARATION

Before installing your Shur-Lok® tarping system, remove or grind any sharp edges smooth to prevent tarp damage.

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

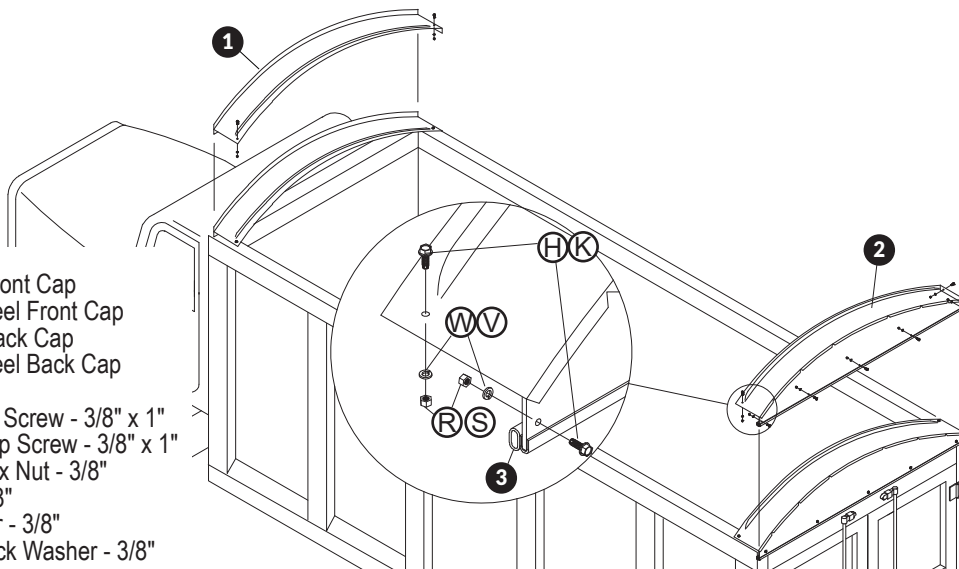
REMOVE SHARP EDGES ON TOP RAIL -
PAINT ALL EXPOSED METAL



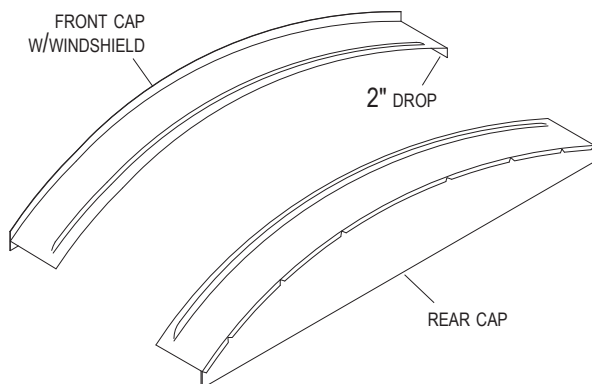
CAUTION

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

Item	Part #	Description
1.		Aluminum Front Cap
		Stainless Steel Front Cap
2.		Aluminum Back Cap
		Stainless Steel Back Cap
3.	1100165	Trim Seal
H.	1700400	Self-Tapping Screw - 3/8" x 1"
K.	1703579	Stainless Cap Screw - 3/8" x 1"
R.	1200999	Stainless Hex Nut - 3/8"
S.	1700407	Hex Nut - 3/8"
W.	1700434	Lock Washer - 3/8"
V.	1703576	Stainless Lock Washer - 3/8"

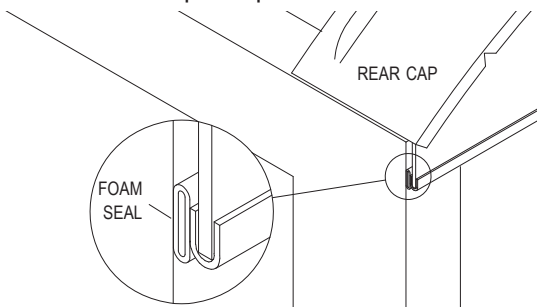


STEP 1: Modify caps to fit. Place front cap with wind-shield on front of box. Place rear cap on rear of box. Modify caps to fit your box, if required.



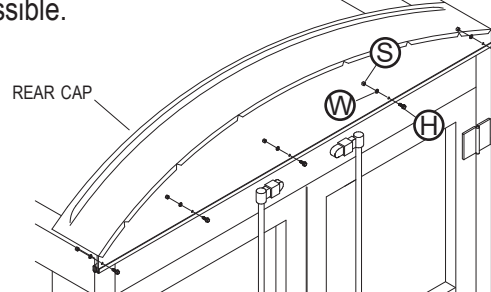
NOTE: To install your tarp to open from the right side of the trailer (reverse roll), remove the 2 inch drop on the right side of caps prior to installation.

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

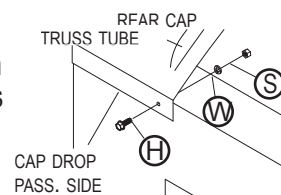


NOTE: In STEPS 3 to 5 for stainless steel end caps, drill 13/32 inch holes and fasten with screws (K), lock washers (V) and nuts (R).

STEP 3: Evenly space five screws across face of cap. Mark and drill 5/16 inch (13/32 inch) holes, and fasten with screws (H). Use lock washers (W) and nuts (S) where possible.



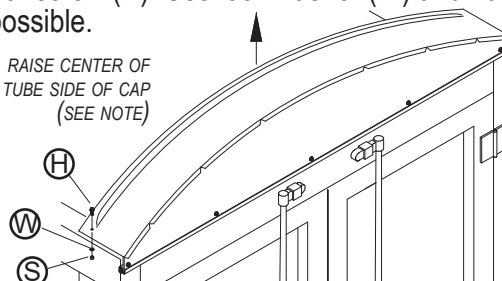
STEP 4: Install caps: Drill 5/16 inch (13/32 inch) hole and fasten screw (H) on cap drop near truss tube. Secure with lock washer (W) and nut (S) where possible.

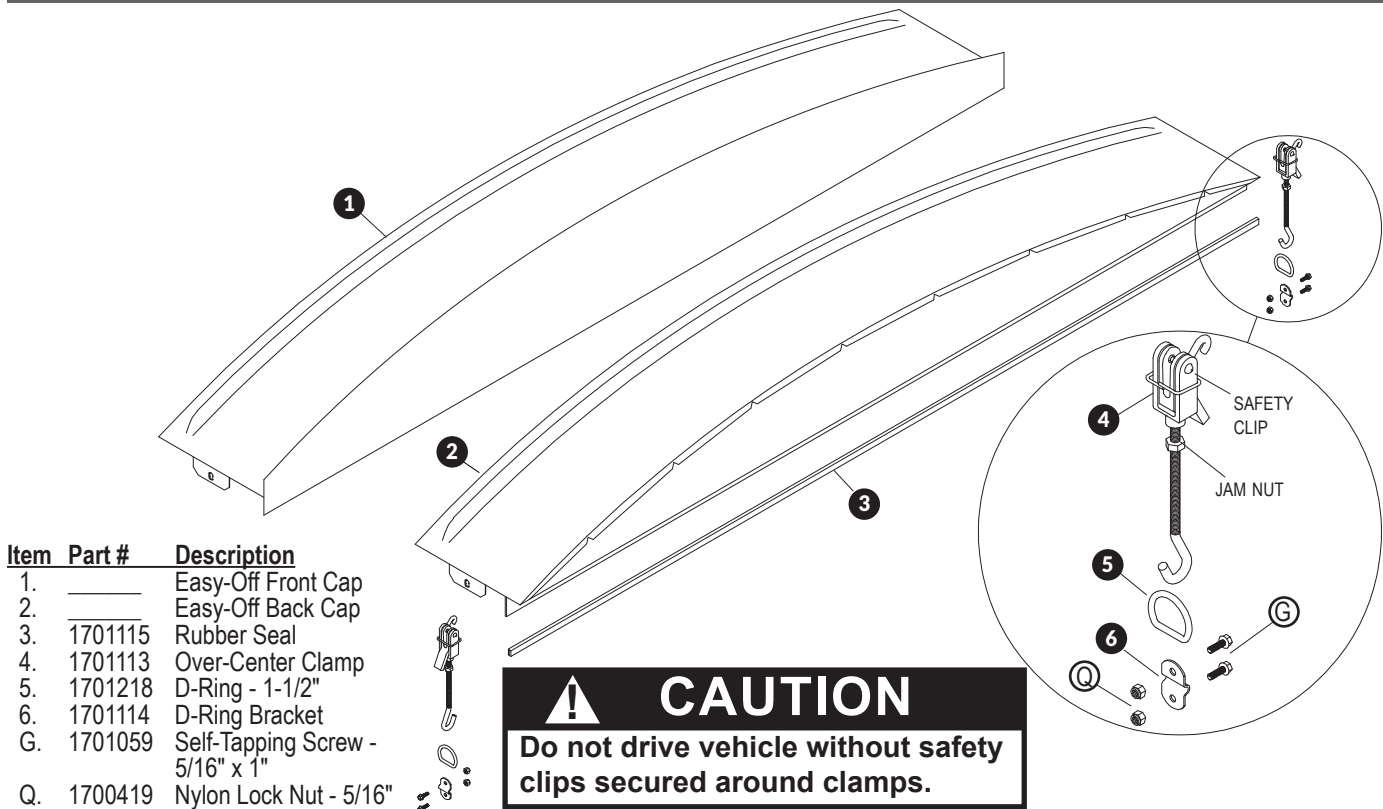


NOTE: For optimal water run-off and tarp support, make sure end caps are level before fastening sides of caps to box. While fastening sides of caps to box, raise center of truss tube side of cap to be level with or slightly higher than outside edge.

STEP 5: Drill 5/16 inch (13/32 inch) hole as close as possible to truss tube on left side of cap. Fasten cap to rail with screw (H). Use lock washer (W) and nut (S) where possible.

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

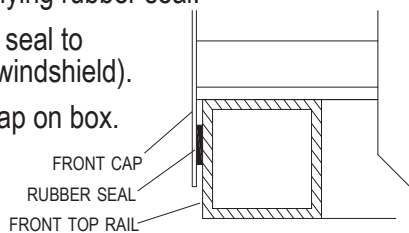




STEP 1: Deburr rough edges on truck and clean area thoroughly before applying rubber seal.

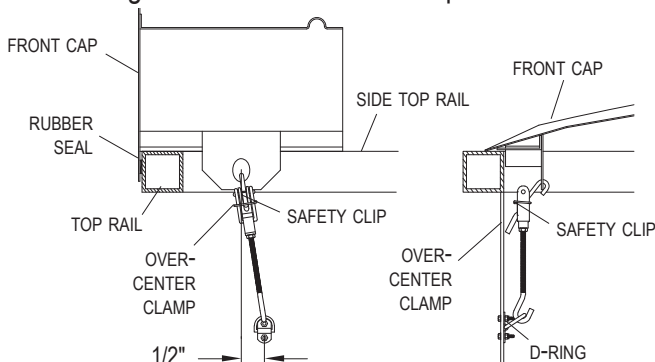
STEP 2: Apply rubber seal to front cap (with 2 inch windshield).

STEP 3: Place front cap on box.



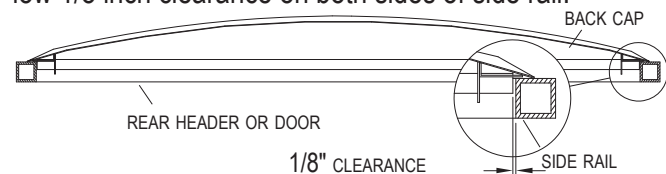
NOTE: Do not apply rubber seal in temperatures below 60°F or above 100°F or adhesive may fail. Apply seal without stretching.

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



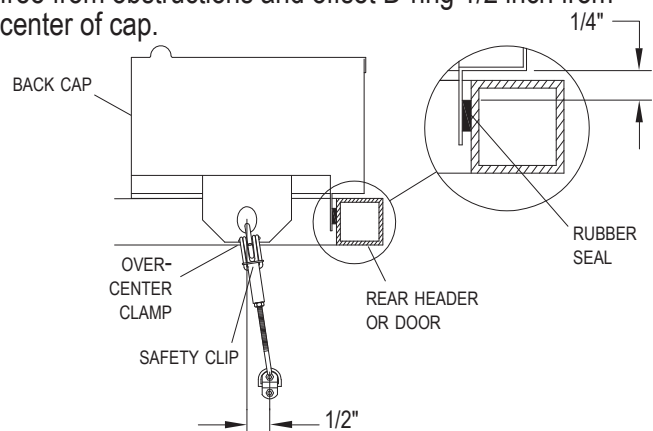
STEP 5: Mark and drill 1/4 inch holes. Fasten D-ring plates to box with screws (G) and nuts (Q). Tighten jam nut against clamp body and position safety clip.

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



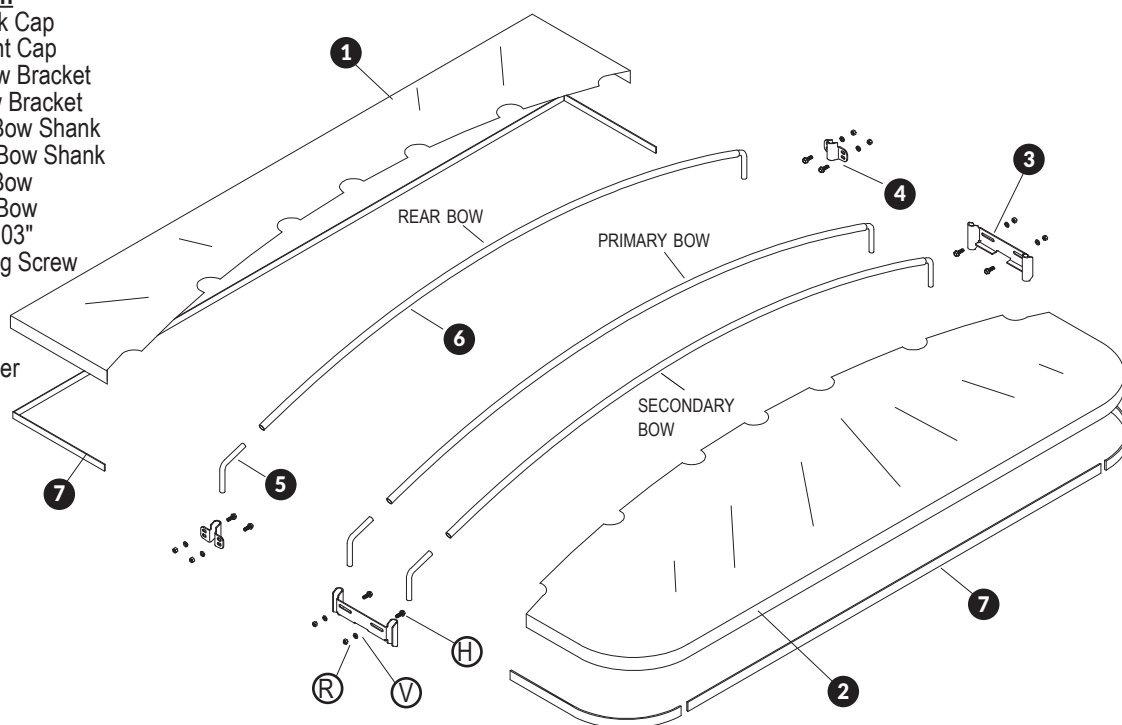
STEP 7: Remove cap and apply rubber seal 1/4 inch down from flat portion of cap above drop.

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



STEP 9: Mark and drill 1/4 inch holes. Fasten D-ring plate to box with screws (G) and nuts (Q). Tighten jam nut against clamp body and position safety clip.

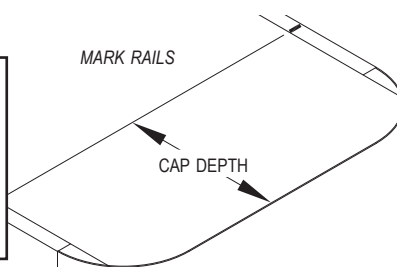
Item Part #	Description
1. _____	Fabric Back Cap
2. _____	Fabric Front Cap
3. 1108211	Double Bow Bracket
4. 1120836	Single Bow Bracket
5. 1100695	Low-Rise Bow Shank
1106925	High-Rise Bow Shank
6. 1100760	Low-Rise Bow
1100762	High-Rise Bow
7. 1700581	Flat Bar - 103"
H. 1700400	Self-Tapping Screw - 3/8" x 1"
S. 1700407	Hex Nut - 3/8"
W. 1700434	Lock Washer - 3/8"



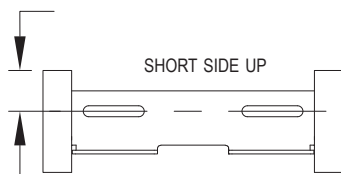
FRONT CAP

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

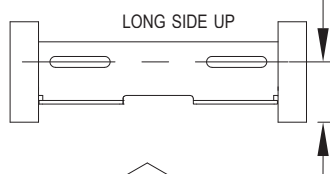
NOTE: If fabric cap depth does not match cap depth listed on cap tag, do not proceed. Contact Shur-Co® for further instructions.



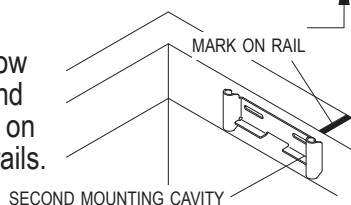
STEP 2: 1-1/2 to 3 inch wide rails. Position double bow brackets with short side up.



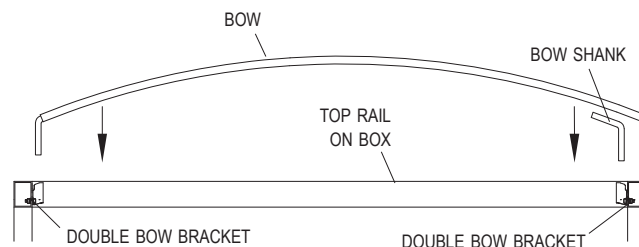
3 to 6 inch wide rails. Position double bow brackets with long side up.



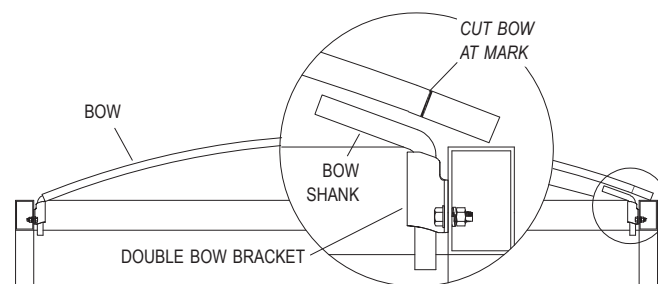
STEP 3: Position double bow brackets on rails with second mounting cavities centered on marks. Clamp brackets to rails.



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

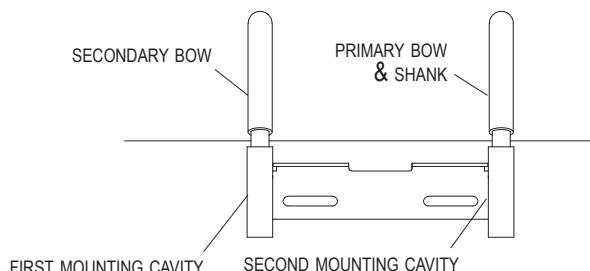


STEP 5: Align bow with bow shank. Mark bow at point where bend starts on shank. Cut both bows to this length.

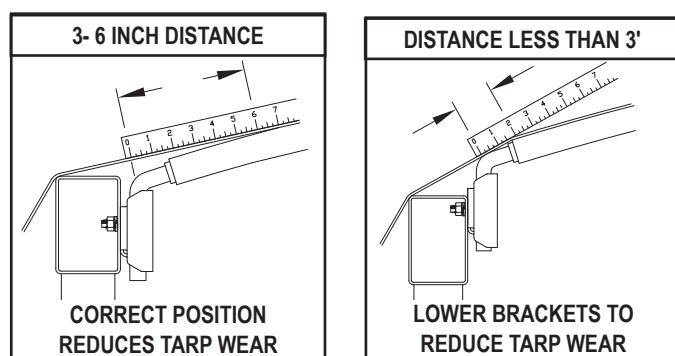


NOTE: Cut bows to exact length. If bows are too short and not welded to shank, pressure from tarp will flatten arch in bow.

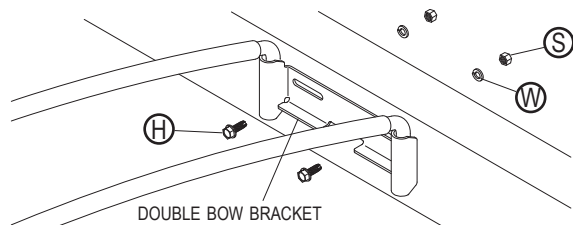
STEP 6: Weld bow shank into secondary bow, leaving primary bow and shank unwelded. Insert secondary bow into first mounting cavities in bow brackets and primary bow and shank into second mounting cavities.



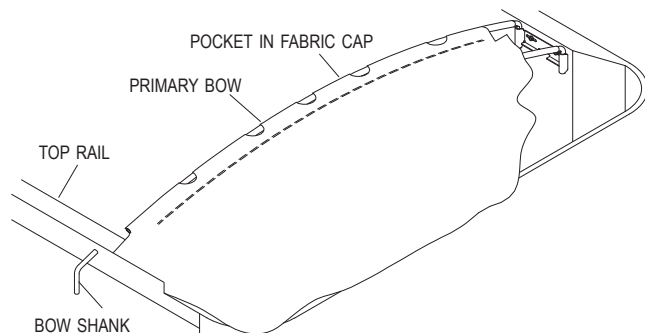
STEP 7: Adjust bow brackets vertically to allow 3 to 6 inches between bend in bow shank and point where tarp will contact bow.



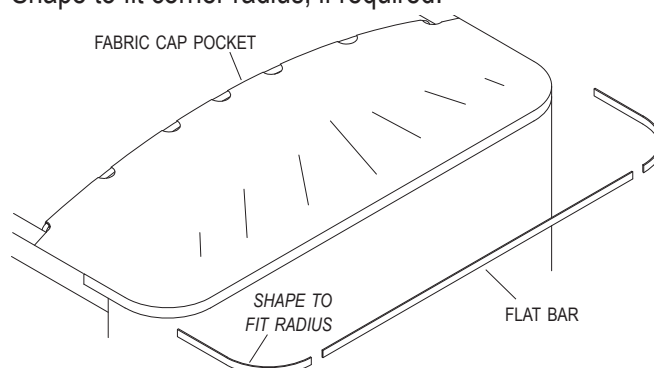
STEP 8: Mark and drill 5/16 inch holes. Mount brackets with screws (H), washers (W) and nuts (S).



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



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



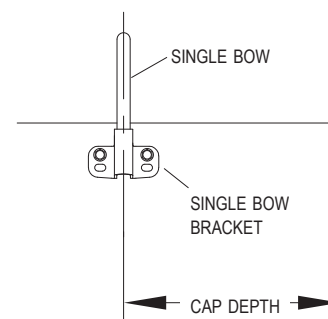
TIPS: Use one piece across straight portion on front of cap. Side and radius may be one piece. Use as few pieces as possible. Supply even tension over fabric cap for secure and clean fit.

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

REAR CAP

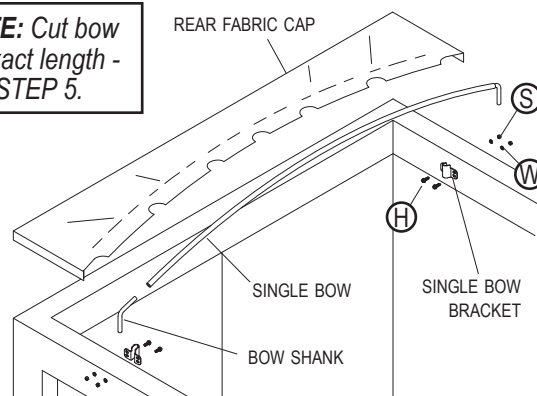
STEP 11: Install rear fabric cap at rear of box. Follow STEPS 1 to 10 for front caps, except install single bow bracket and single bow instead of double bow bracket and double bows.

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



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

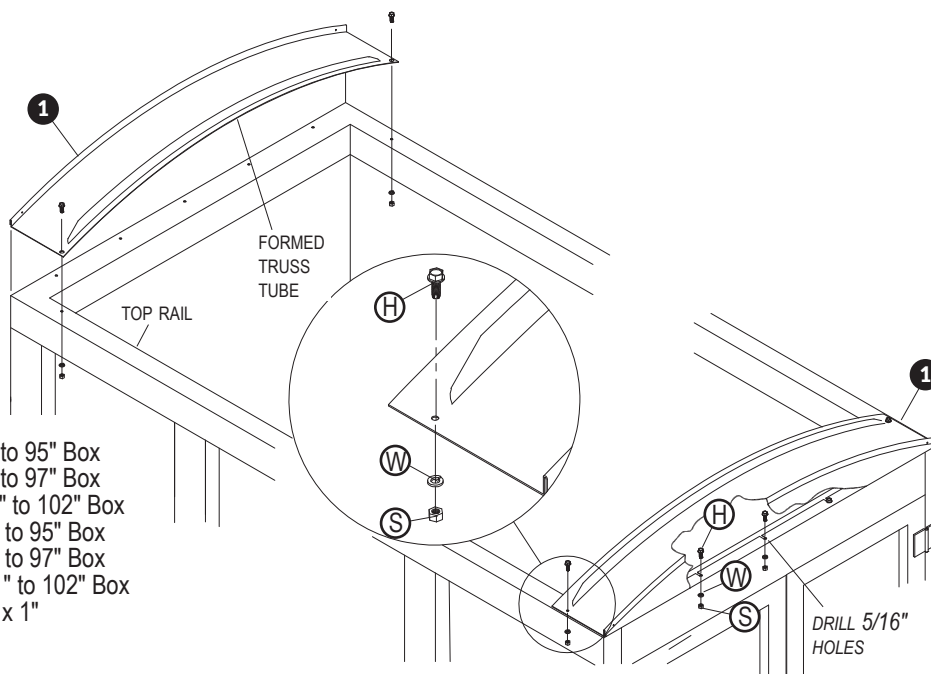
NOTE: Cut bow to exact length - see STEP 5.



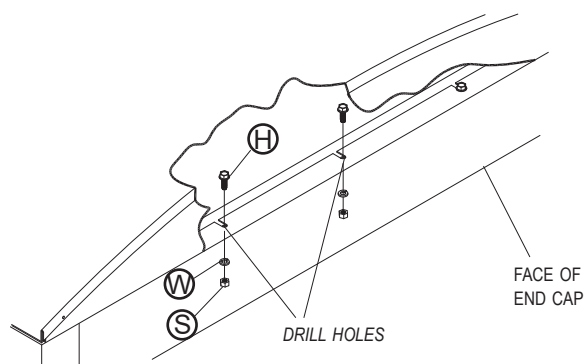
NOTE: End caps supplied with kit may need slight modifications to fit box.

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

Item	Part #	Description
1.	1108977	Galv. Low-Rise Cap - 94" to 95" Box
	1108980	Galv. Low-Rise Cap - 96" to 97" Box
	1108983	Galv. Low-Rise Cap - 101" to 102" Box
	1108986	Galv. High-Rise Cap - 94" to 95" Box
	1108989	Galv. High-Rise Cap - 96" to 97" Box
	1108992	Galv. High-Rise Cap - 101" to 102" Box
H.	1700400	Self-Tapping Screw - 3/8" x 1"
S.	1700407	Hex Nut - 3/8"
W.	1700434	Lock Washer - 3/8"



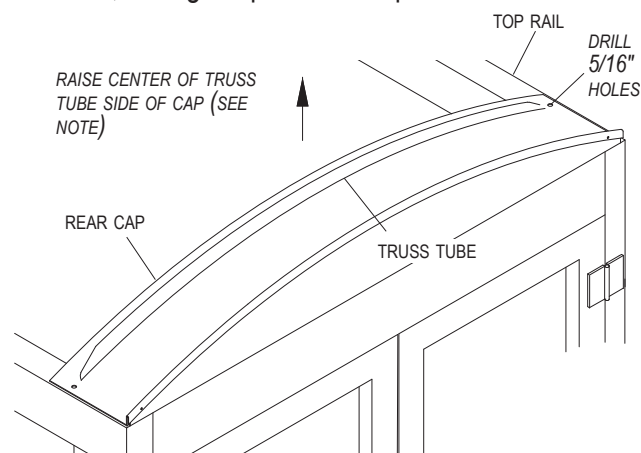
STEP 1: Center end cap on box and mark hole locations on top rail according to slots in cap.



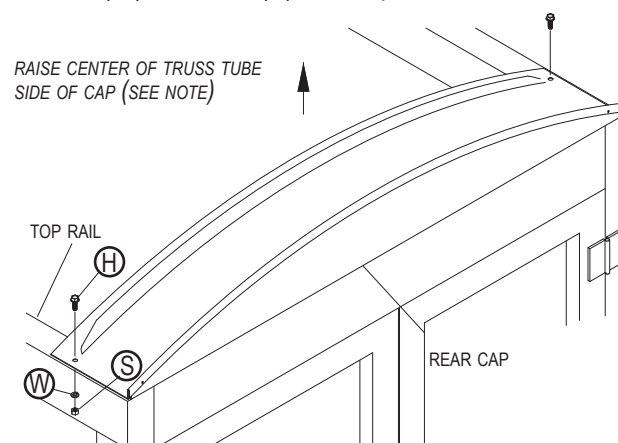
STEP 2: Drill 5/16 inch holes into marked locations on top rail. Fasten with screws (H). Use lock washers (W) and nuts (S) where possible.

NOTE: For optimal water run-off and tarp support, make sure end caps are level before fastening sides of caps to box. While fastening sides of caps to box, raise 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.

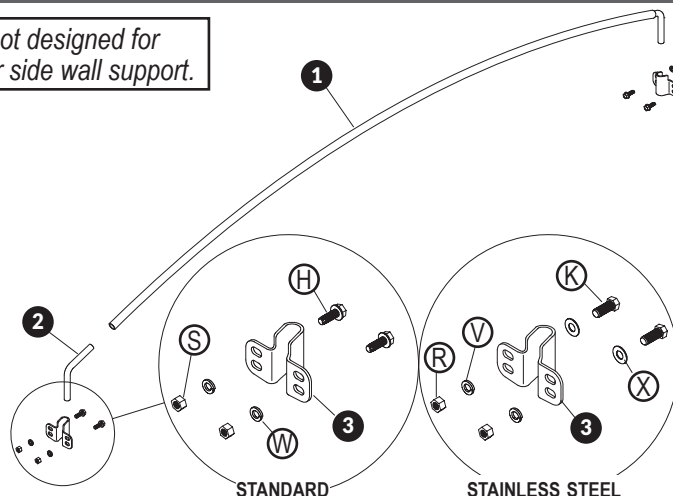


STEP 4: Fasten cap to top rail with screws (H). Use lock washers (W) and nuts (S) where possible.



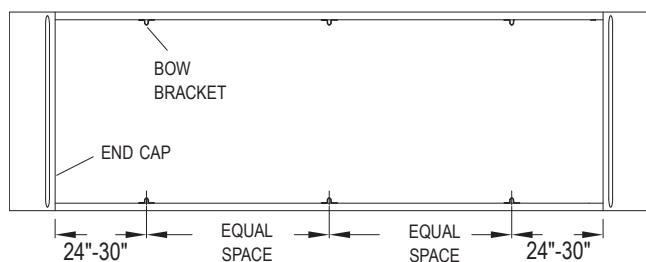
NOTE: Bows are not designed for use as structural or side wall support.

Box Length	Bow Qty.
10'-14'	2
15'-18'	3
19'-22'	4
23'-26'	5
27'-30'	6
31'-34'	7
35'-38'	8
39'-43'	9
44'-46'	10
47'-50'	11
51'-54'	12

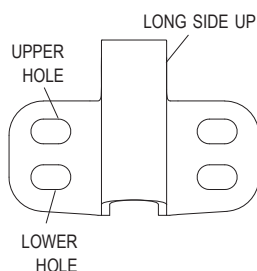


Item	Part #	Description
1.	*	Standard & SS Low Rise Bow
	*	Standard & SS High Rise Bow
	1109149	Standard Flat Bow
2.	1100695	Standard Low-Rise Bow Shank
	1119766	Stainless Low-Rise Bow Shank
	1106925	Standard High-Rise Bow Shank
	1116754	Stainless High-Rise Bow Shank
	1109150	Standard Flat Bow Shank
3.	1120836	Single Bow Bracket
	1120975	Stainless Single Bow Bracket
H.	1700400	Self-Tapping Screw - 3/8" x 1"
K.	1703579	Stainless Cap Screw - 3/8" x 1"
R.	1200999	Stainless Hex Nut - 3/8"
S.	1700407	Hex Nut - 3/8"
V.	1703576	Stainless Lock Washer - 3/8"
W.	1700434	Lock Washer - 3/8"
X.	1703577	Stainless Flat Washer - 3/8"

STEP 1: Mark bow bracket locations on top rails between end caps as shown, aligning brackets on opposite sides of box.

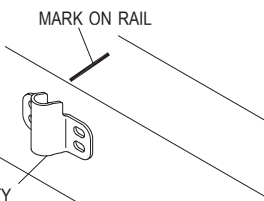


STEP 2: 1-1/2 to 3 inch wide rails. Position single bow brackets with long side up and fasten through upper holes.

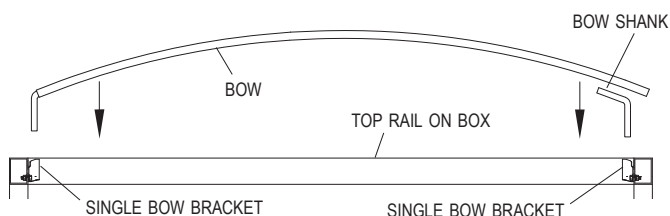


3 to 6 Inch wide rails. Position single bow brackets with long side up and fasten through lower holes.

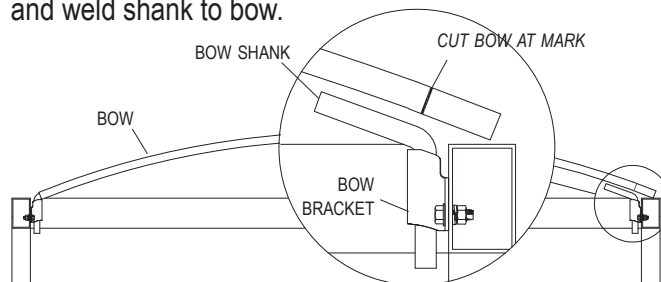
STEP 3: Align center of brackets with mark. Clamp brackets to rails.



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



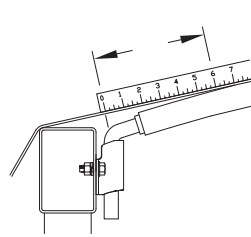
STEP 5: Align bow with bow shank. Mark and cut bow at point where bend starts on shank. Grind edges smooth and weld shank to bow.



NOTE: Shanks must be welded to bows.

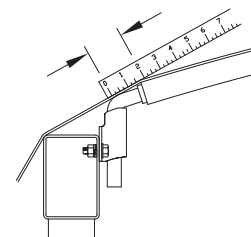
STEP 6: Adjust bow brackets vertically to allow 3 to 6 inches between bend in bow shank and point where tarp will contact bow.

3 TO 6 INCH DISTANCE



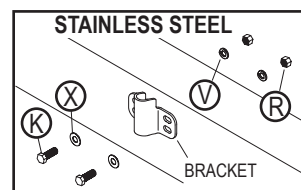
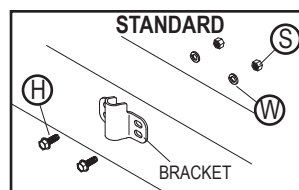
**CORRECT POSITION
REDUCES TARP WEAR**

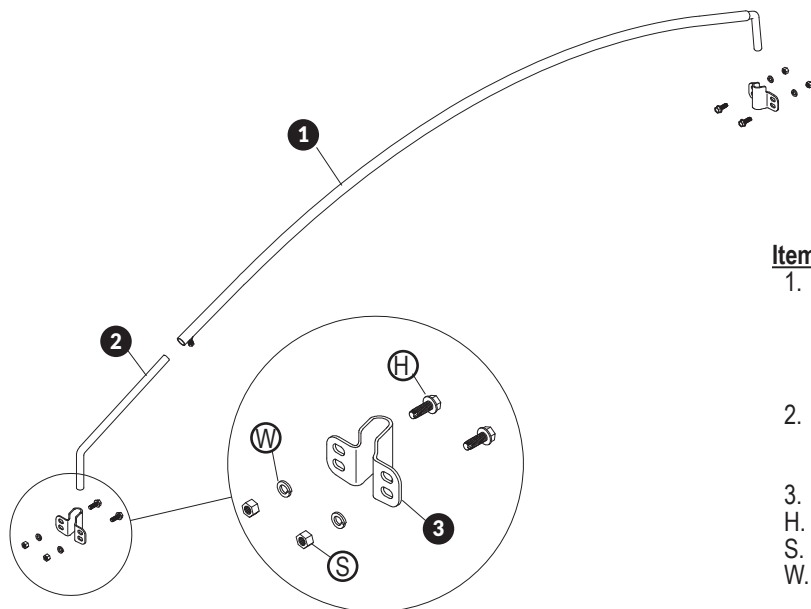
DISTANCE LESS THAN 3 INCHES



**LOWER BRACKETS TO
REDUCE TARP WEAR**

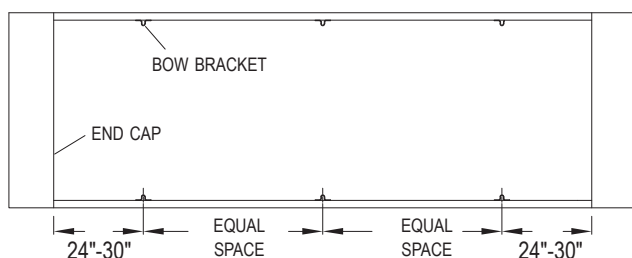
STEP 7: Mark and drill 5/16-inch holes, mount brackets with screws (H), washers (W) and nuts (S) (screws (K), washers (X), washers (V) and nuts (R) for stainless steel). Install bows into bow brackets.





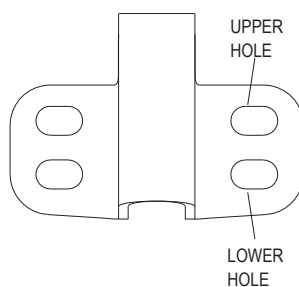
Item	Part #	Description
1.	1122759	Adjustable Bow - 8" Rise - 84" to 92" - Inside
	1122627	Adjustable Bow - 10" Rise - 84" to 92" - Inside
	1122818	Adjustable Bow - 8" Rise - 93" to 101" - Inside
	1122819	Adjustable Bow - 10" Rise - 93" to 101" - Inside
	1122820	Adjustable Bow - 12" Rise - 93" to 101" - 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"
S.	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.

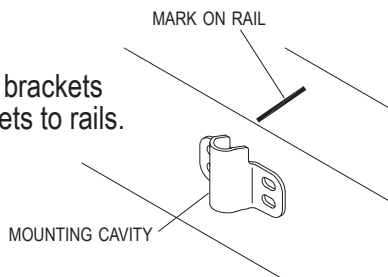


STEP 2: 1-1/2 to 3 inch wide rails. Position single bow brackets with long side up and fasten through upper holes.

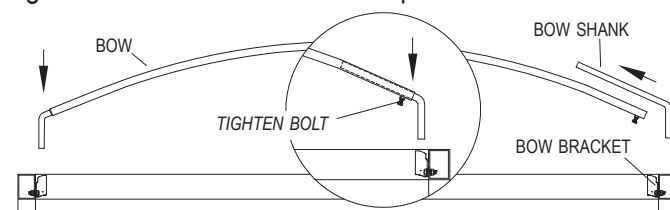
3 to 6 Inch wide rails. Position single bow brackets with long side up and fasten through lower holes.



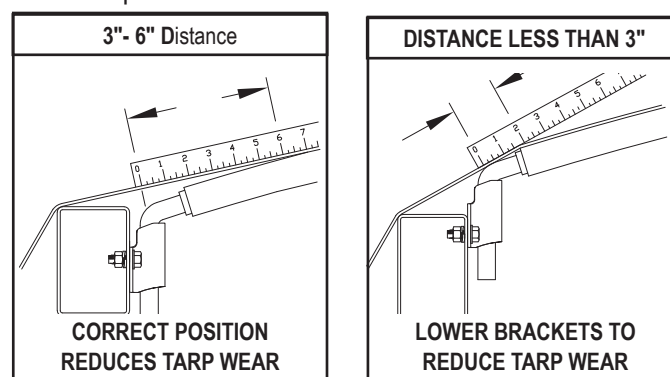
STEP 3: Align center of brackets with mark. Clamp brackets to rails.



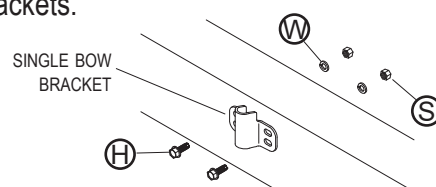
STEP 4: Place adjustable bow into bow bracket. Insert adjustable bow shank into open end of bow. Slide loose end of shank into bow bracket. Tighten 5/16 inch bolt against shank to secure shank in place.

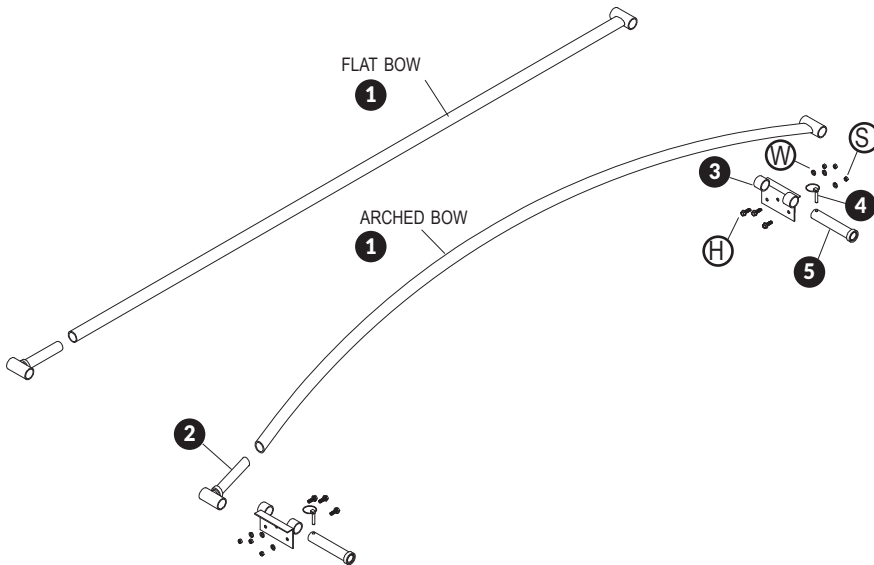


STEP 5: Adjust bow brackets vertically to create distance of 3 to 6 inches between bend in bow shank and point where tarp will contact bow.



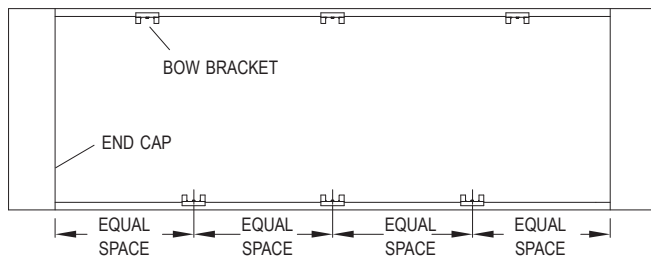
STEP 6: Mark and drill 5/16 inch holes. Mount brackets with screws (H), washers (W) and nuts (S). Install bows into bow brackets.



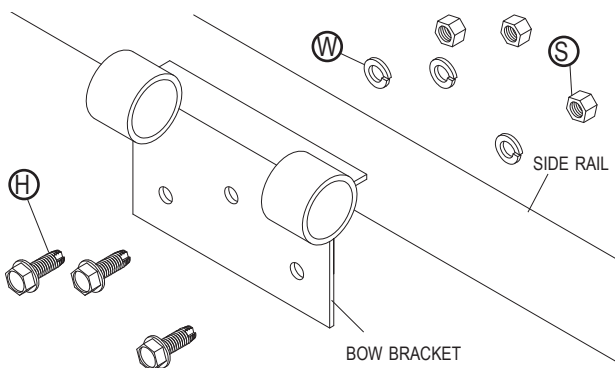


Item	Part #	Description
1.	1112669	Heavy-Duty Flat Bow
	1106612	Heavy-Duty Low-Rise Bow
	1101927	Heavy-Duty High-Rise Bow
2.	1104706	Heavy-Duty Bow Shank
3.	1106614	Heavy-Duty Bow Bracket
4.	1701098	Lynch Pin
5.	1104123	Heavy-Duty Bow Pin
H.	1700400	Self-Tapping Screw - 3/8" x 1"
S.	1700407	Hex Nut -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

STEP 1: Mark bow bracket locations on top rails between end caps as shown, aligning brackets on opposite sides of box.



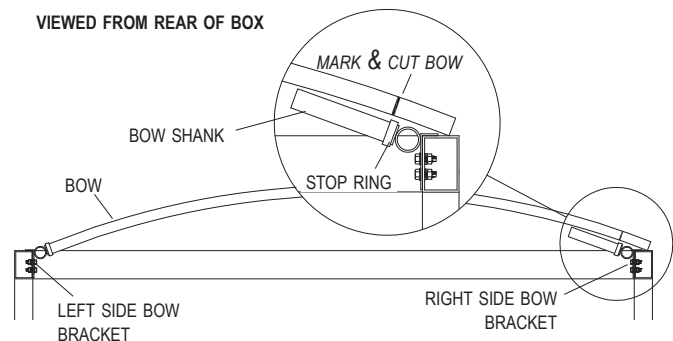
STEP 2: Mark and drill 5/16 inch holes, then secure brackets with screws (H), washers (W) and nuts (S).



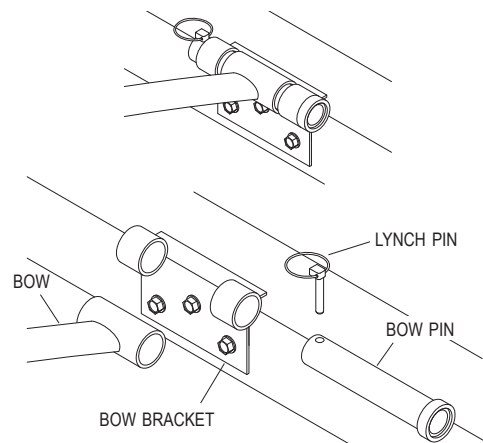
NOTE: For fabric caps only. If your kit includes ridgepole, measure length of ridge-pole pocket on tarp. The distance between front and rear bow brackets should be equal to that length.

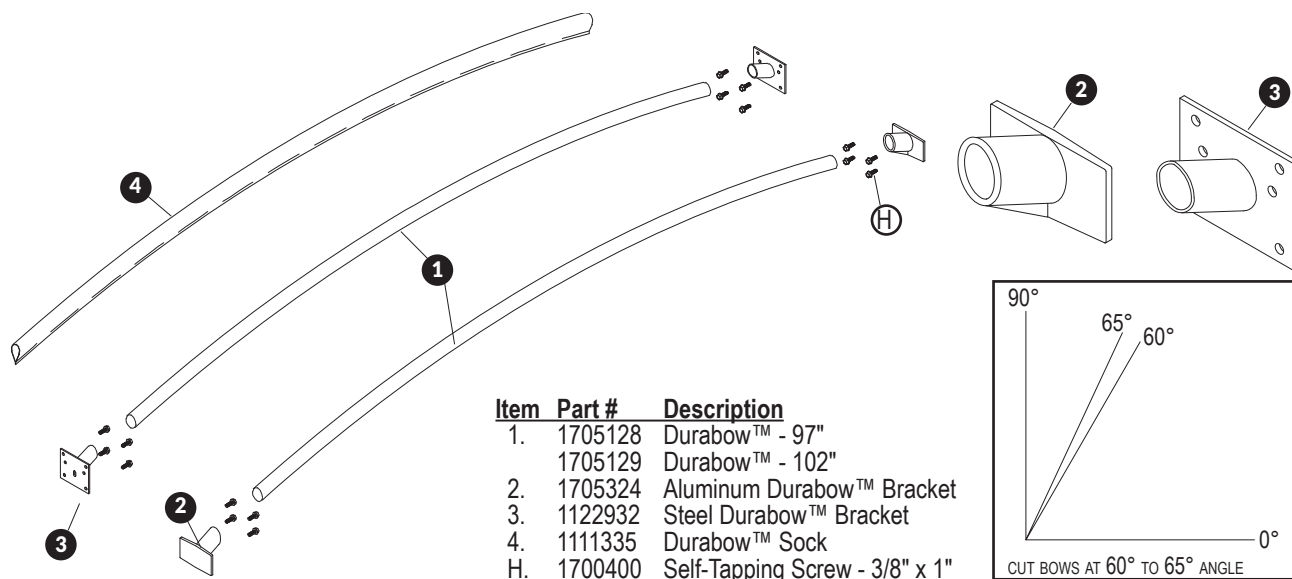
STEP 3: Insert bow shank into left side bow bracket and align bow with right side bow bracket. Align bow with bow shank and mark point where bow meets stop ring. Remove and cut bow at marked location. Grind edges smooth and insert bow shank into bow. Do not weld shank to bow.

VIEWS FROM REAR OF BOX

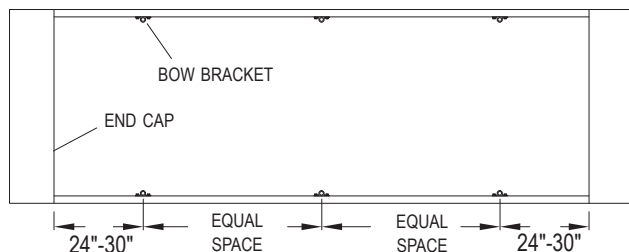


STEP 4: Fasten bow into bow brackets with bow pins. Secure with lynch pins.

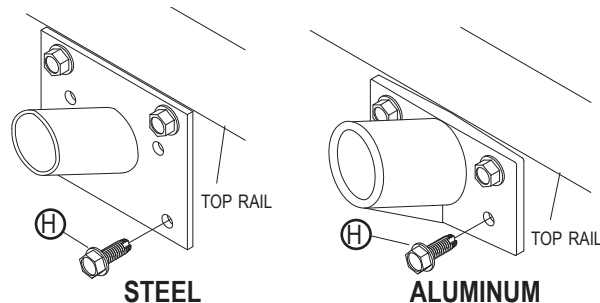




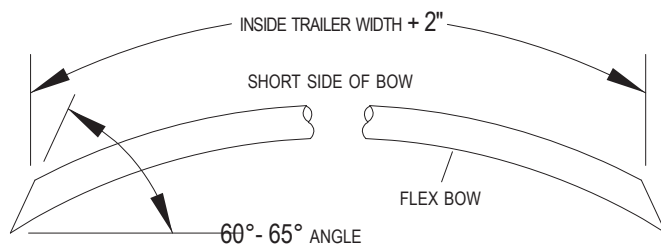
STEP 1: Space bow brackets as shown, aligning brackets on opposite sides of box.



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



STEP 3: 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.

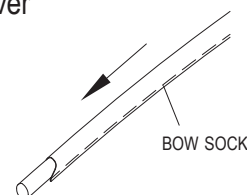


EXAMPLE: If trailer width is 90 inches inside to inside, cut short side of bow 92 inches long.

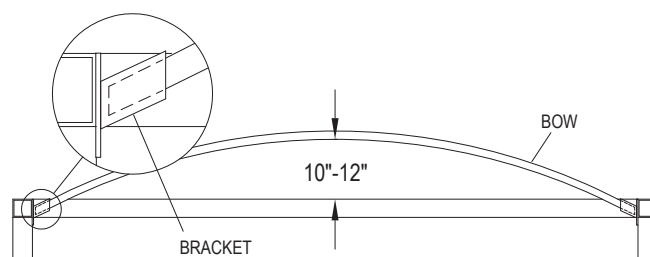
NOTE: Warranty will be void if bow ends are not cut at 60° to 65° angle.

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



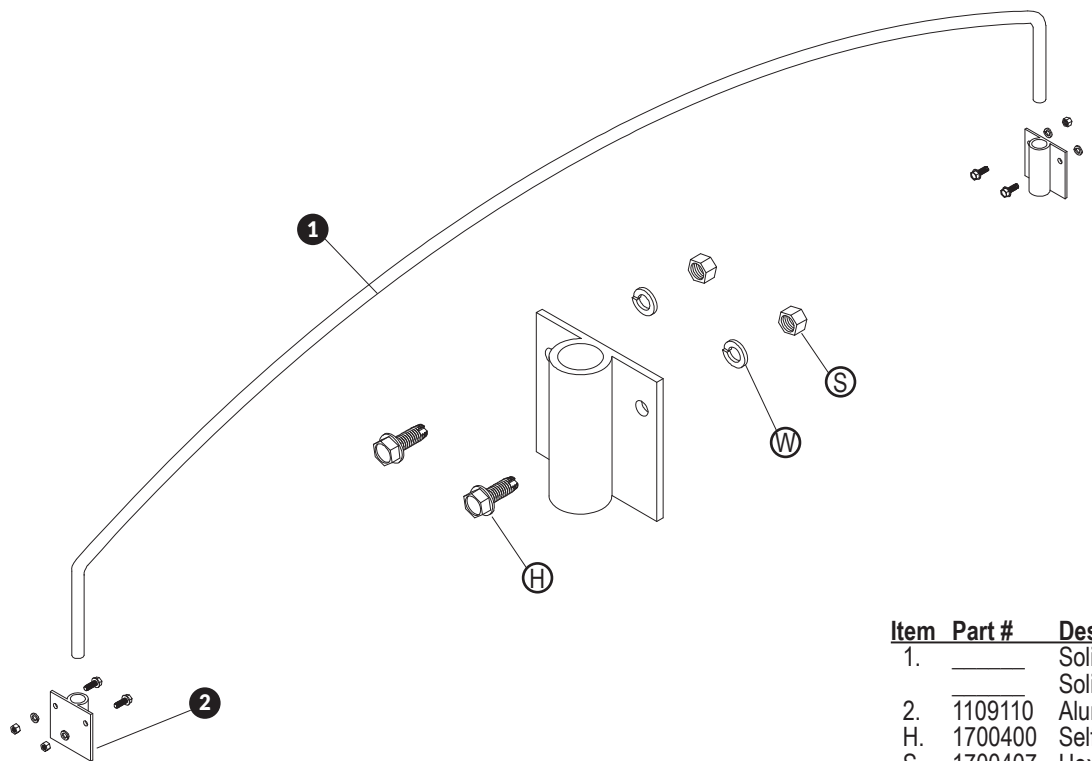
STEP 5: Insert bows into brackets.



CAUTION

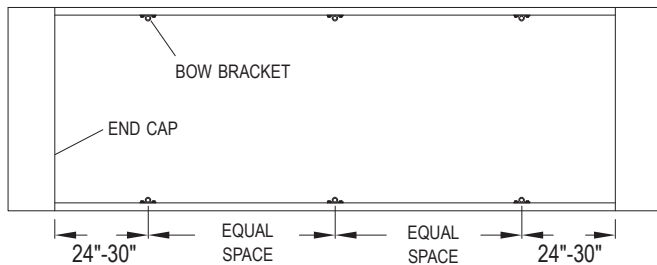
Stay clear of top side of bow. Bows could release and spring upward.

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

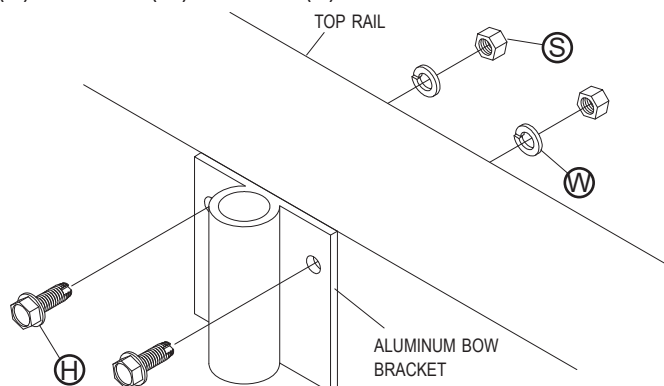


Item	Part #	Description
1.		Solid Aluminum Low-Rise Bow Solid Aluminum High-Rise Bow
2.	1109110	Aluminum Bow Bracket
H.	1700400	Self-Tapping Screw - 3/8" x 1"
S.	1700407	Hex Nut - 3/8"
W.	1700434	Lock Washer - 3/8"

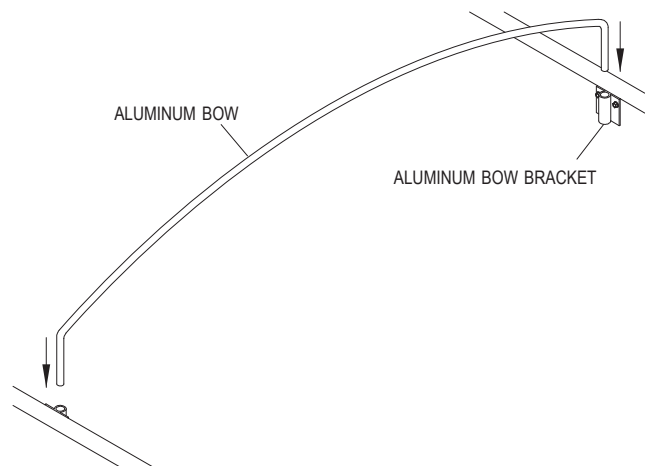
STEP 1: Mark bow bracket locations on top rails between end caps as shown, aligning brackets on opposite sides of box.



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 (S).



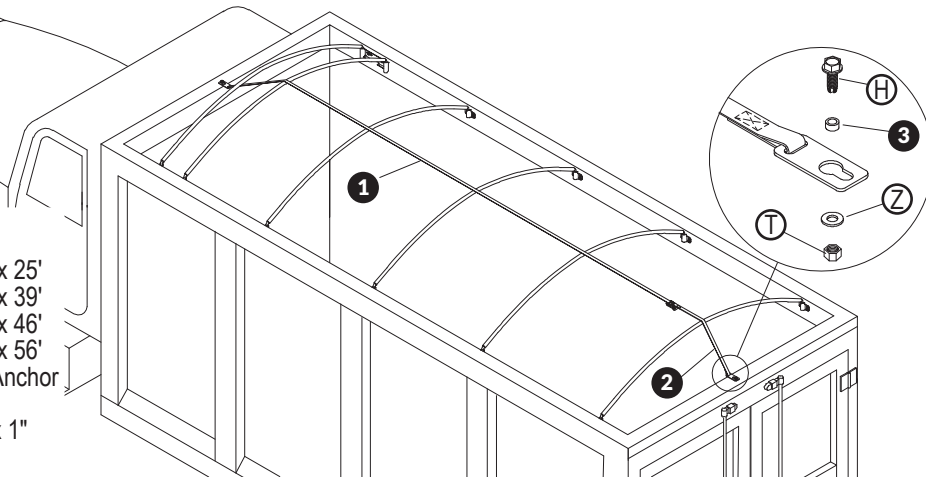
STEP 3: Insert bows into bow brackets.



NOTE: It is important to measure trailer width at each bow location because trailer widths may vary from front to back, and solid aluminum bows cannot be cut to length.

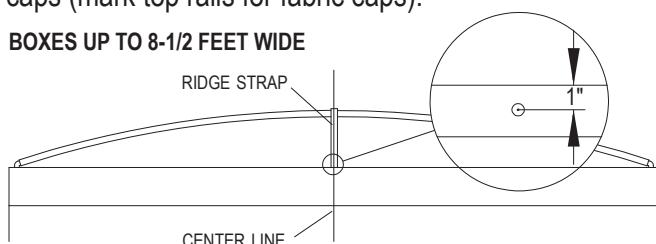
NOTE: For galvanized steel or aluminum cap applications, fasten ridge strap(s) to end caps. For fabric cap applications, fasten ridge strap(s) to top rail.

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.	1101683	Anchor Bushing
H.	1700400	Self-Tapping Screw - 3/8" x 1"
Z.	1701176	Flat Washer - 3/8"
T.	1700418	Centerlock Nut - 3/8"



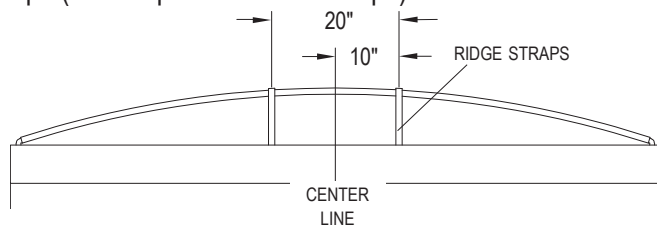
STEP 1: Mark hole locations at center of front and rear caps (mark top rails for fabric caps).

BOXES UP TO 8-1/2 FEET WIDE



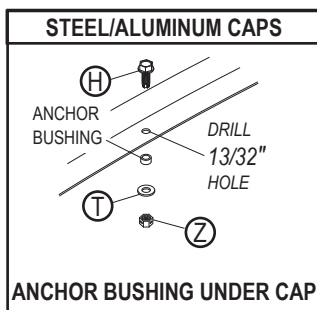
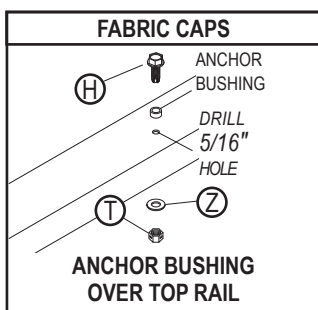
BOXES OVER 8-1/2 FEET WIDE

Mark hole locations 20 inches apart on front and rear caps (mark top rails for fabric caps).



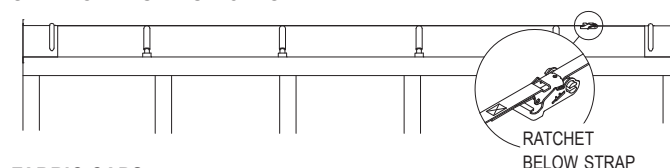
STEP 2: Drill holes and fasten ridge strap anchor bushings with screws (H), washers (Z) and nuts (T).

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

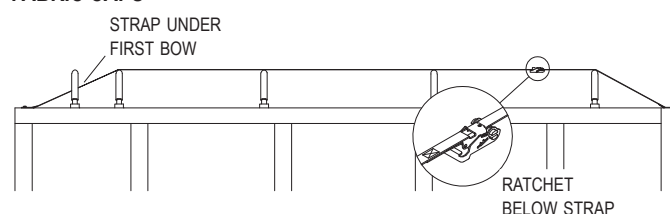


STEP 3: Install ridge straps over bows, positioning ratchet below strap as shown. Position ridge strap under first bow for front fabric cap.

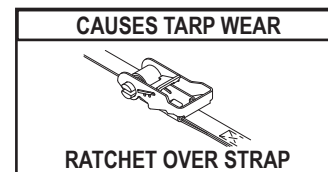
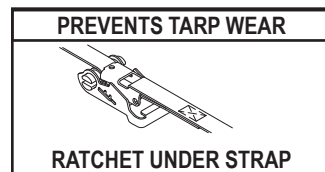
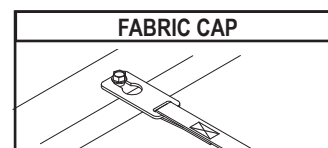
STEEL OR ALUMINUM CAPS



FABRIC CAPS

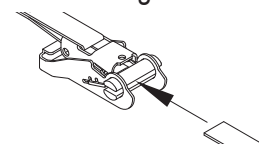


STEP 4: Hook ridge strap anchors onto anchor bushings on front and rear end caps (top rails).



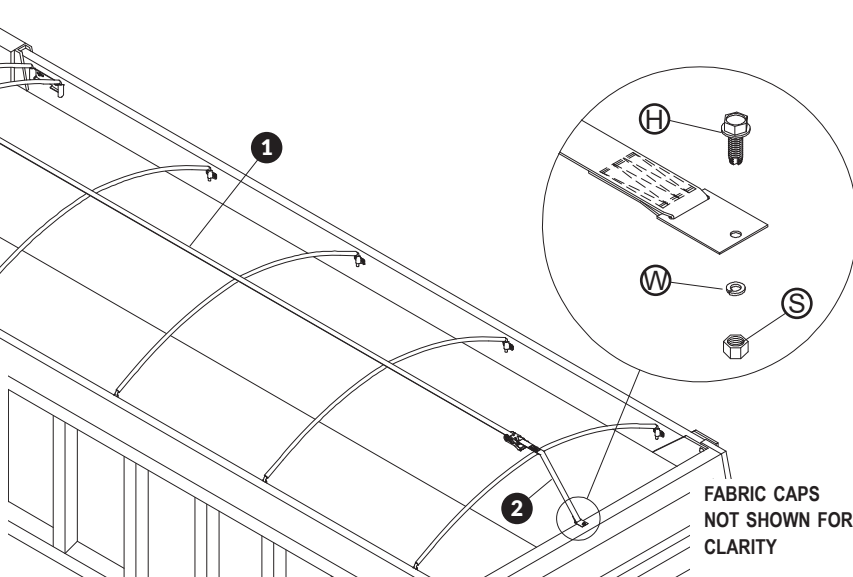
STEP 5: Thread strap through ratchet and tighten.

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



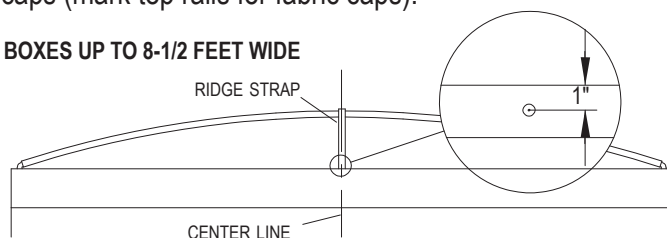
NOTE: For galvanized steel or aluminum cap applications, fasten ridge strap(s) to end caps. For fabric cap applications, fasten ridge strap(s) to top rail.

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 w/2" Ridge Strap & Anchor
H.	1700400	Self-Tapping Screw - 3/8" x 1"
W.	1700434	Lock Washer - 3/8"
S.	1700407	Hex Nut - 3/8"



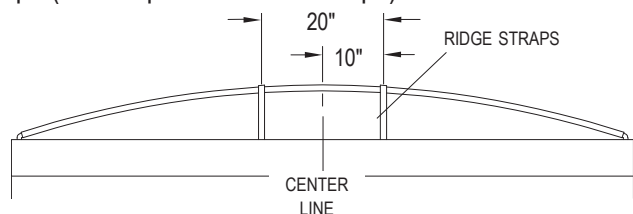
STEP 1: Mark hole locations at center of front and rear caps (mark top rails for fabric caps).

BOXES UP TO 8-1/2 FEET WIDE



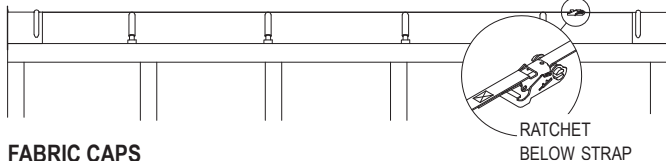
BOXES OVER 8-1/2 FEET WIDE

Mark hole locations 20 inches apart on front and rear caps (mark top rails for fabric caps).

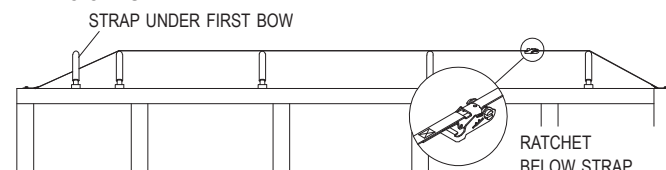


STEP 2: Place ridge straps over bows, positioning ratchet below strap as shown. Position ridge strap under first bow for front fabric cap.

STEEL OR ALUMINUM CAPS

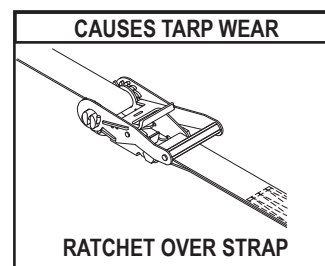
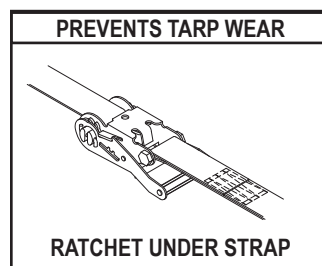
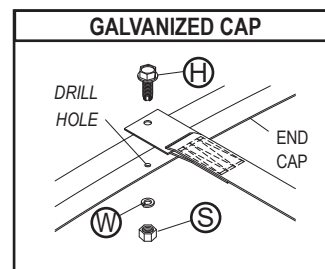
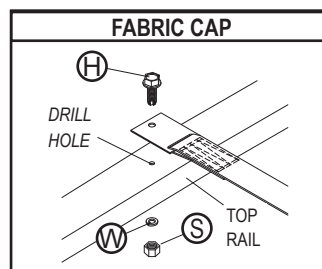


FABRIC CAPS



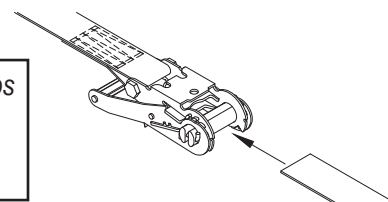
STEP 3: Drill holes and fasten ridge strap anchors with screws (H), washers (W) and nuts (S).

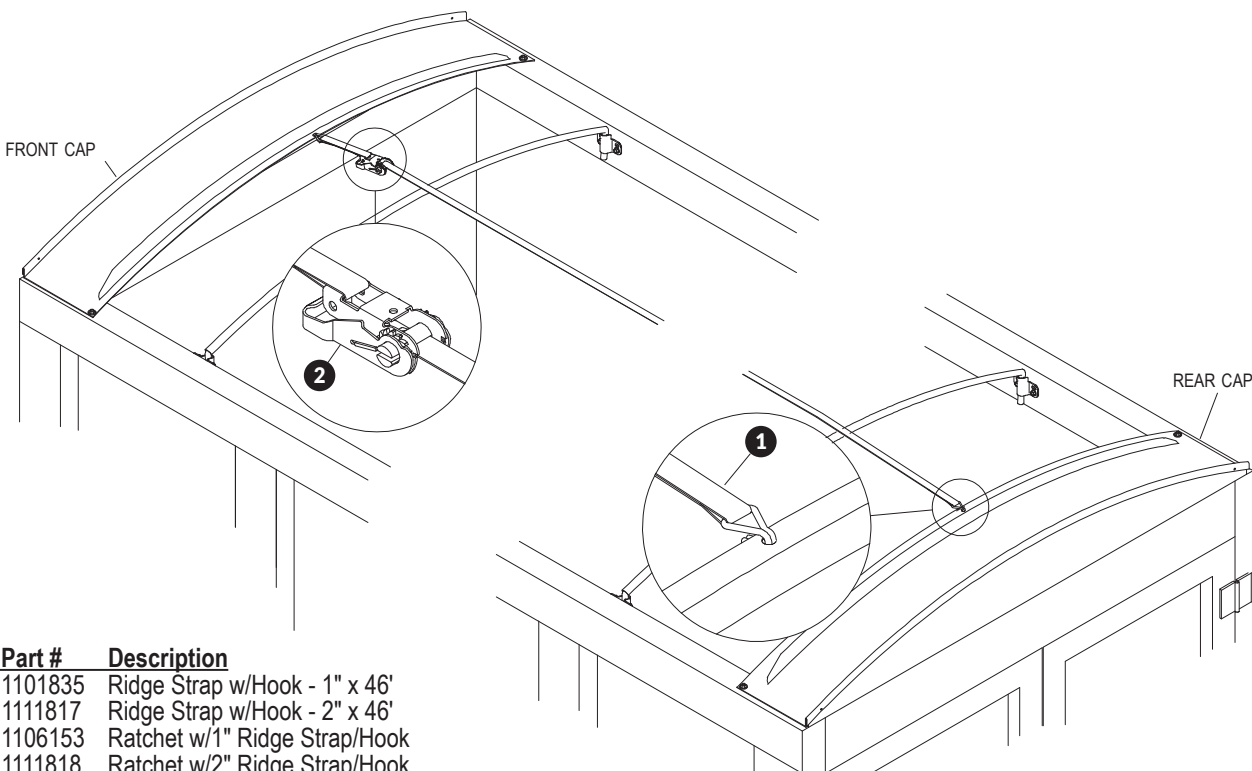
NOTE: Use washers and nuts where needed and drill 13/32 inch holes. If using self-tapping screws only, drill 5/16 inch holes.



STEP 4: Thread strap through ratchet and tighten.

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

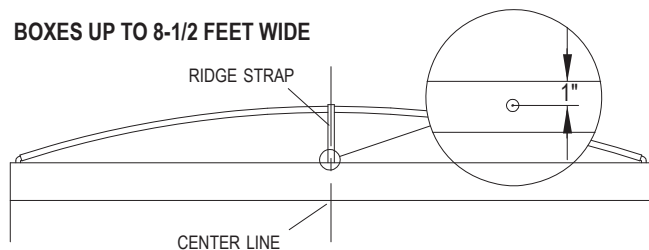




Item	Part #	Description
1.	1101835	Ridge Strap w/Hook - 1" x 46'
	1111817	Ridge Strap w/Hook - 2" x 46'
2.	1106153	Ratchet w/1" Ridge Strap/Hook
	1111818	Ratchet w/2" Ridge Strap/Hook

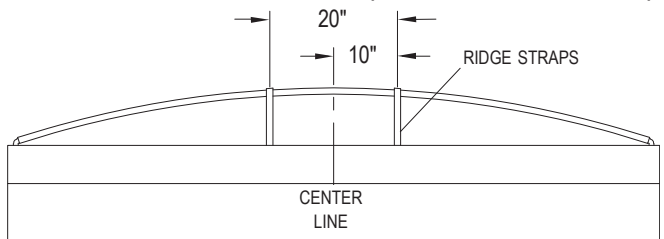
STEP 1: Mark hole locations at center of front and rear caps.

BOXES UP TO 8-1/2 FEET WIDE

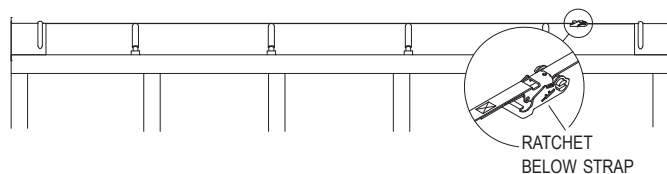


BOXES OVER 8-1/2 FEET WIDE

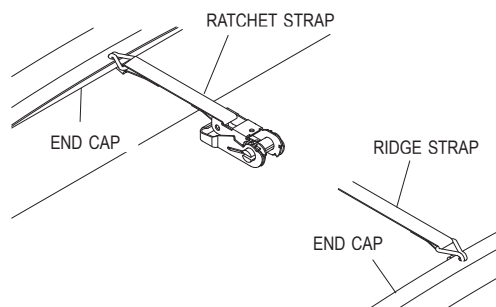
Mark hole locations 20 inches apart on front and rear caps.



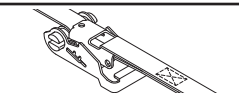
STEP 2: Place ridge straps over bows, positioning ratchet below strap as shown.



STEP 3: Drill 7/16 inch holes at marked locations. Hook ridge strap and ratchet strap into holes on end caps. Position ratchet under strap to prevent tarp wear.

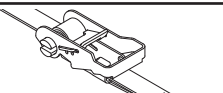


PREVENTS TARP WEAR



RATCHET UNDER STRAP

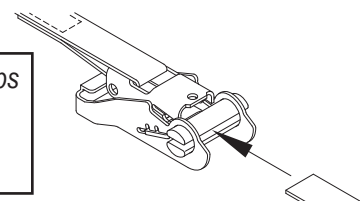
CAUSES TARP WEAR

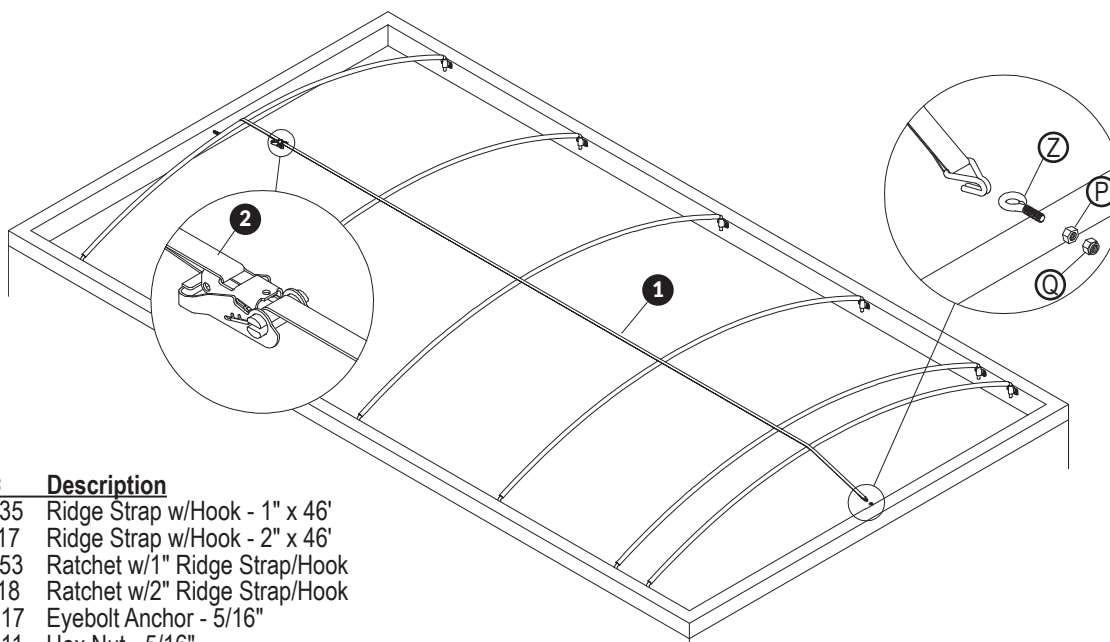


RATCHET OVER STRAP

STEP 4: Thread strap through ratchet and tighten.

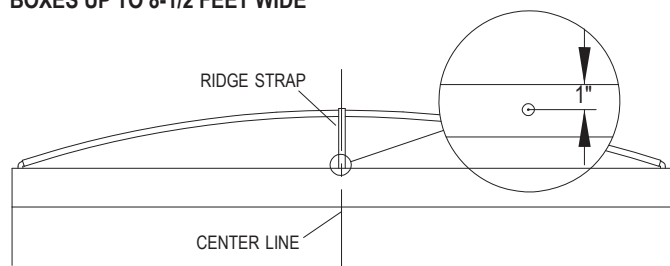
NOTE: Keep ridge straps tight for adequate tarp support. Check tension regularly.





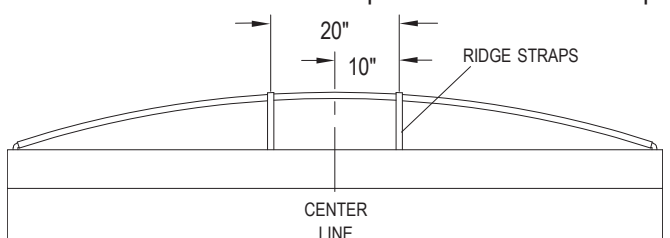
Item	Part #	Description
1.	1101835	Ridge Strap w/Hook - 1" x 46'
	1111817	Ridge Strap w/Hook - 2" x 46'
2.	1106153	Ratchet w/1" Ridge Strap/Hook
	1111818	Ratchet w/2" Ridge Strap/Hook
Z.	1700717	Eyebolt Anchor - 5/16"
P.	1700411	Hex Nut - 5/16"
Q.	1700419	Nylon Lock Nut - 5/16"

STEP 1: Mark hole locations at center of front and rear caps.
BOXES UP TO 8-1/2 FEET WIDE

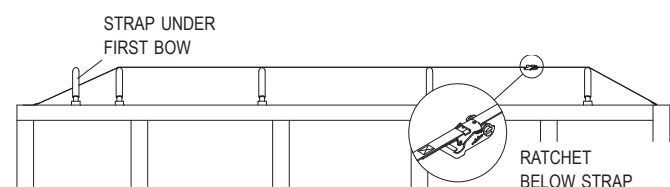


BOXES OVER 8-1/2 FEET WIDE

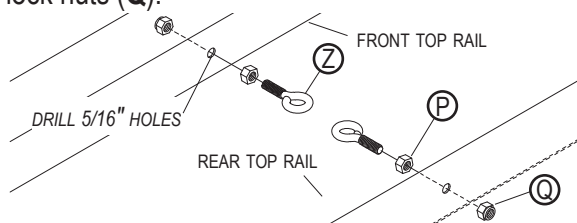
Mark hole locations 20 inches apart on front and rear caps.



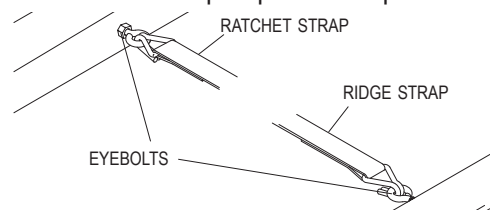
STEP 2: Place ridge straps over bows, positioning ratchet below strap as shown. Position ridge strap under first bow for front fabric cap.



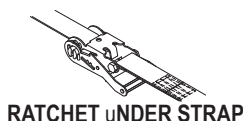
STEP 3: Mark and drill 5/16 inch holes at marked locations. Fasten eyebolt anchors (Z) through holes with nuts (P) and lock nuts (Q).



STEP 4: Hook ridge strap and ratchet strap into eyebolts. Position ratchet under strap to prevent tarp wear.



PREVENTS TARP WEAR



RATCHET UNDER STRAP

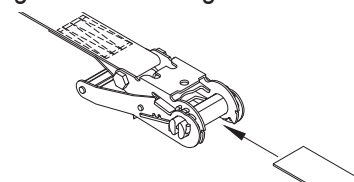
CAUSES TARP WEAR



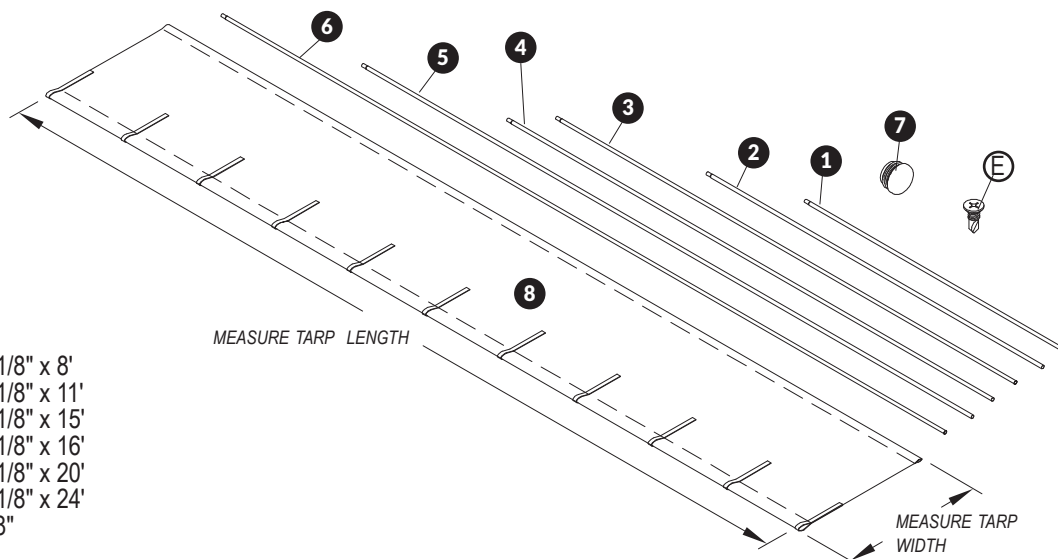
RATCHET OVER STRAP

STEP 5: Thread strap through ratchet and tighten.

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



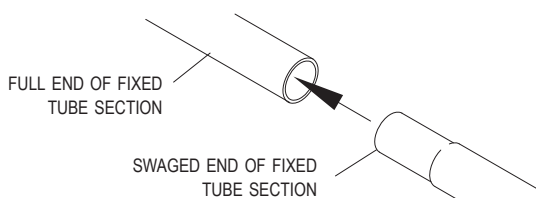
Item	Part #	Description
1.	1706156	Fixed Tube - 1-1/8" x 8'
2.	1706155	Fixed Tube - 1-1/8" x 11'
3.	1706154	Fixed Tube - 1-1/8" x 15'
4.	1700051	Fixed Tube - 1-1/8" x 16'
5.	1700049	Fixed Tube - 1-1/8" x 20'
6.	1701428	Fixed Tube - 1-1/8" x 24'
7.	1700523	End Plug - 1-1/8"
8.		Tarp
E.	1704768	Self-Drilling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



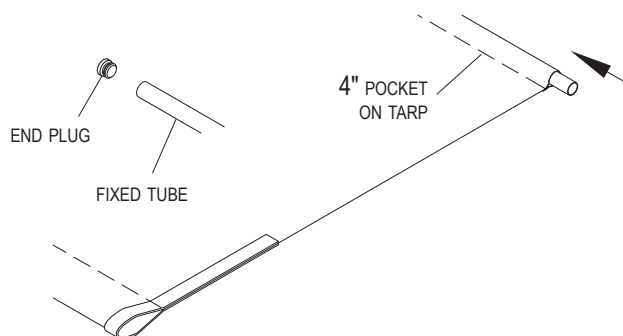
STEP 1: Open tarp and stretch tight. Measure and compare tarp measurements with those on spec sheet attached to tarp. Do not proceed with installation if tarp measurements do not match measurements specified on sheet. Call Shur-Co® or your local dealer for alterations or a replacement tarp.

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

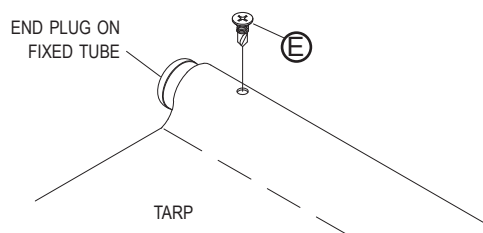
STEP 2: For boxes over 24 feet, insert swaged end of fixed tube section into full end of second tube section. Align tubes, weld and grind smooth.



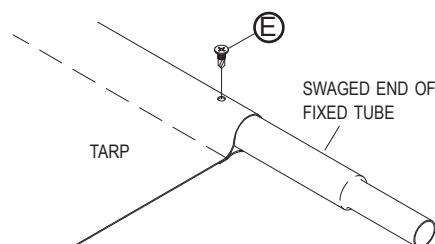
STEP 3: Install end plug into full end of tube weldment. Insert tube, end plug first, into 4 inch pocket on tarp.



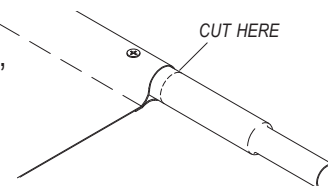
STEP 4: Extend fixed tube 1/4 inch past tarp edge. Fasten tarp to fixed tube with screw (E).



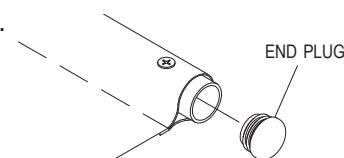
STEP 5: Stretch tarp along fixed tube and fasten with second screw (E).

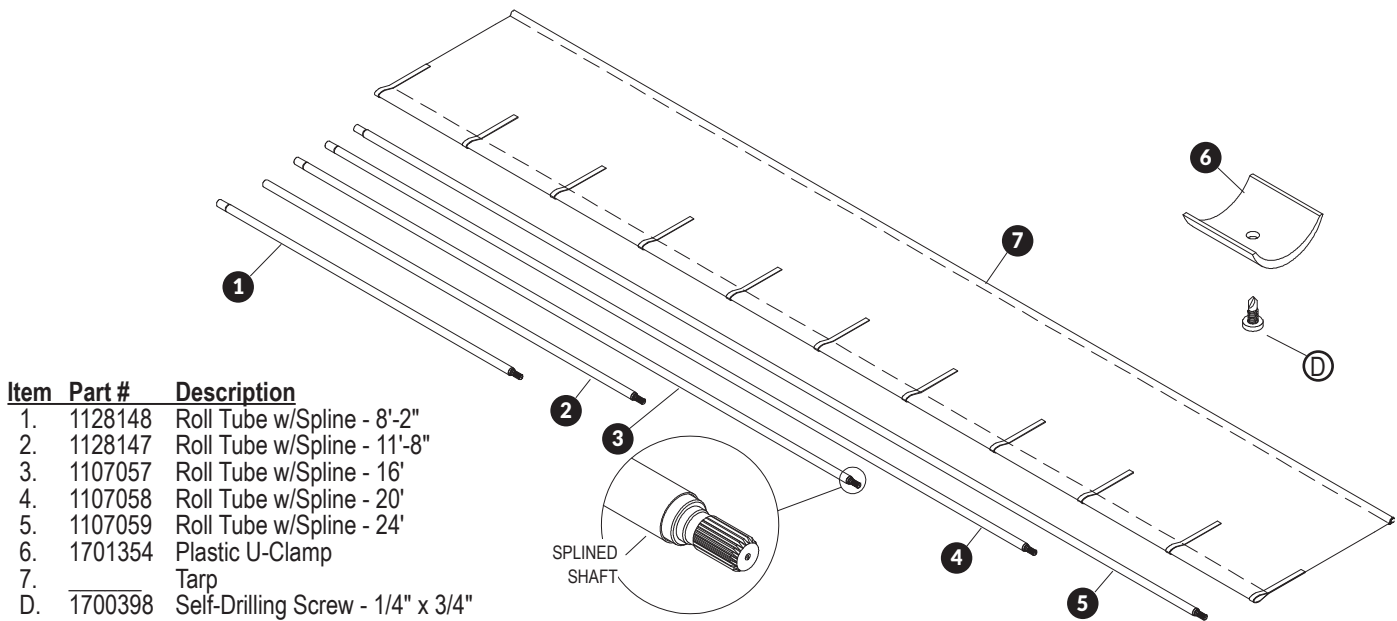


STEP 6: Cut fixed tube 1/4 inch past edge of tarp, removing swaged end. Grind smooth.

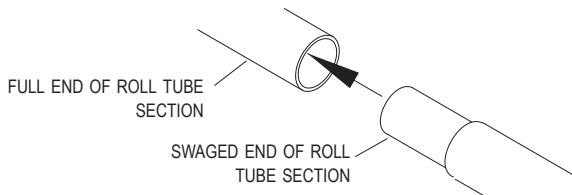


STEP 7: Insert end plug.

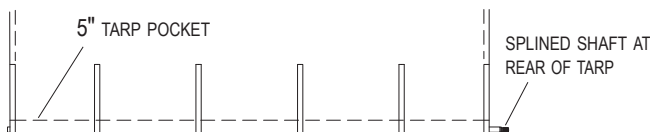




STEP 1: For box lengths over 24 feet, insert swaged end of roll tube section into full end of second tube section. Align tubes, weld and grind smooth.



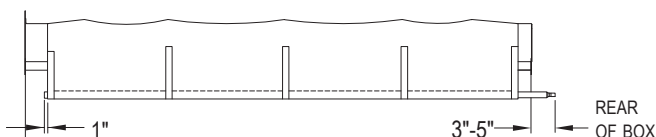
STEP 2: Cut roll tube 8 inches longer than tarp (14 inches if using fabric caps), removing swaged end. Grind edges smooth, then insert roll tube into 5 inch tarp pocket, with splined shaft at rear of tarp/trailer.



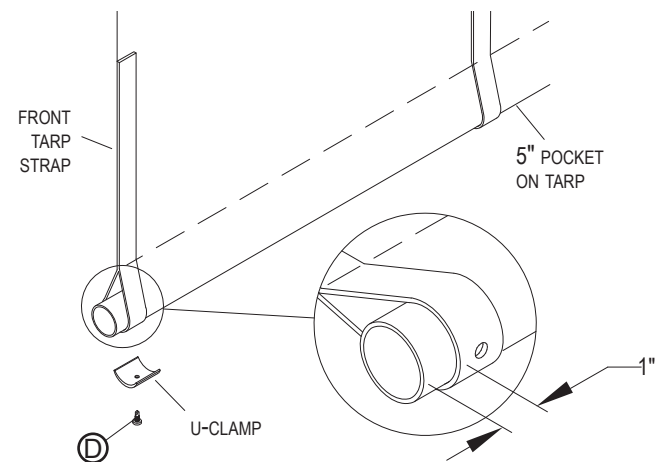
TIPS: Inflate 5 inch tarp pocket with air chuck while inserting roll tube. For ease of handling, wind tarp on roll tube completely before lifting tarp onto box.

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

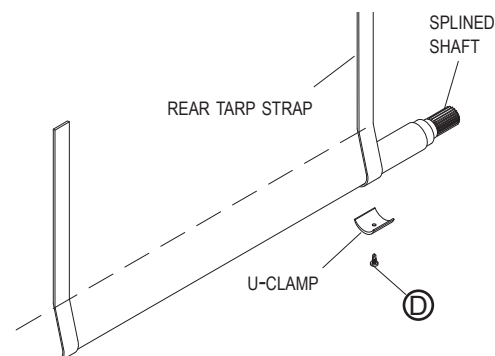
STEP 4: Align roll tube to extend 1 inch past front of tarp. Splined shaft must extend 3 to 5 inches beyond rear of box.



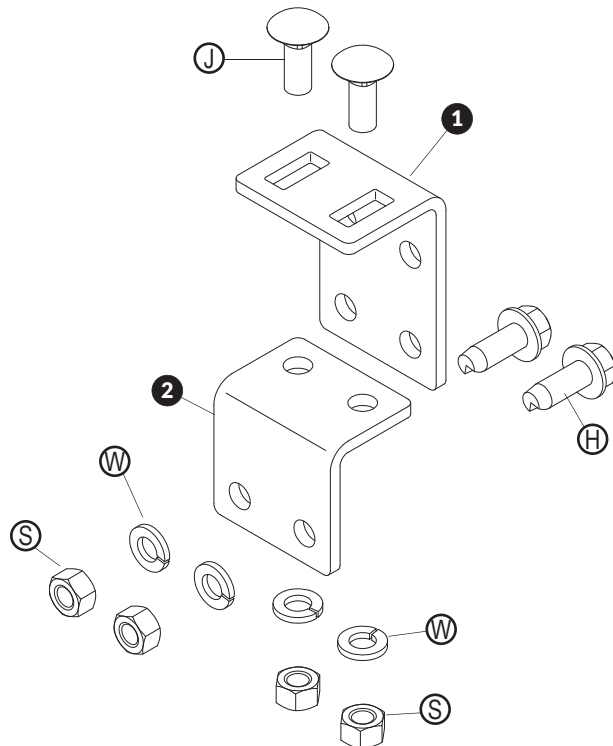
STEP 5: Center first U-clamp on front tarp strap, positioning screw (D) on crease at bottom of tarp pocket. Fasten U-clamp with screw (D).



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



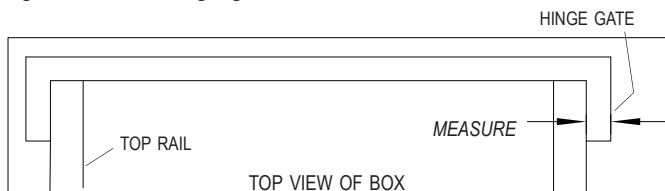
STEP 7: Install remaining U-clamps on remaining tarp straps.



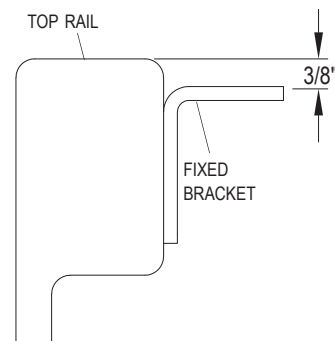
NOTE: Adjustable offset brackets create space between box and tarp stops/latchplates. Use where hinge gates interfere with standard tarp stop/latchplate installation.

Item	Part #	Description
	1121506	Adjustable Offset Bracket Kit - Latchplate/Tarp Stop
1.	1121507	Adjustable Offset Bracket - Latchplate/Tarp Stop - Slider
2.	1121508	Adjustable Offset Bracket - Latchplate/Tarp Stop - Fixed
H.	1700400	Self-Tapping Screw - 3/8" x 1"
J.	1702522	Carriage Bolt - 3/8" x 1"
W.	1700434	Lock Washer - 3/8"
S.	1700407	Hex Nut - 3/8"

STEP 1: To determine fixed bracket orientation, measure width across top of hinge gate at rear of box. Align fixed brackets with long side against box if hinge gate is 2 to 2-1/2 inches wide. Align fixed brackets with short side against box if hinge gate is 2-1/2 to 3 inches wide.

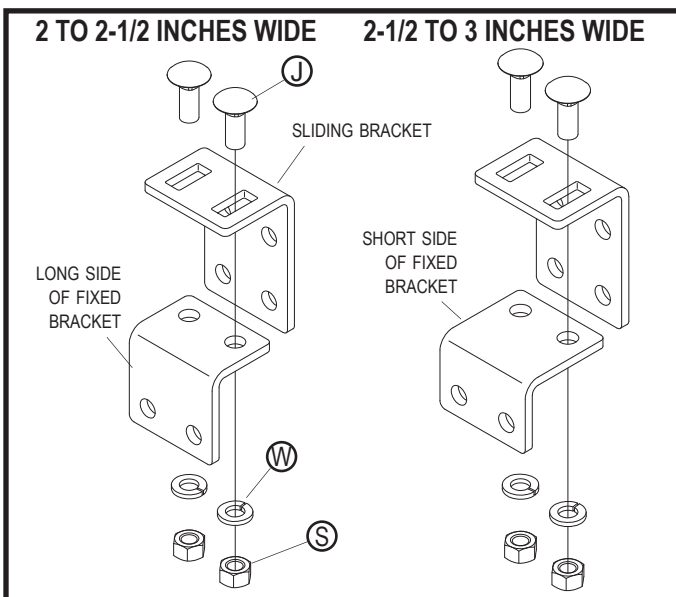
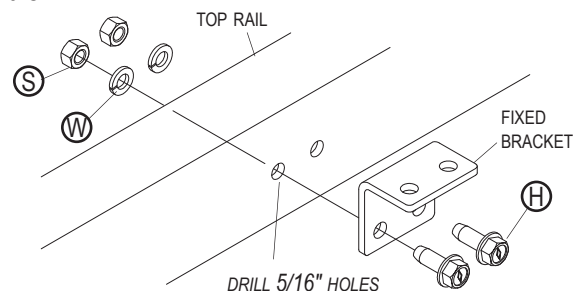


STEP 2: Locate fixed brackets 3/8 inch from top of top rail as shown.

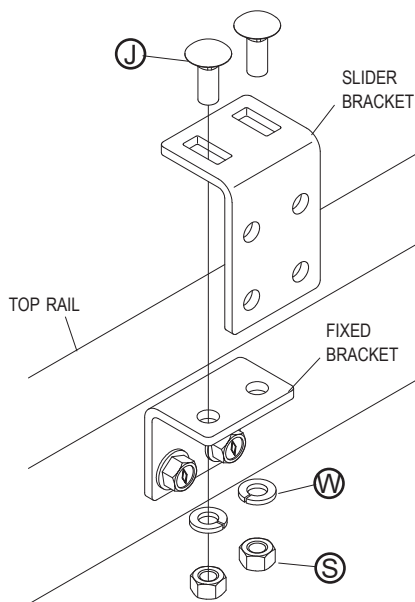


NOTE: To determine tarp stop and latchplate bracket assembly locations on box, see next page.

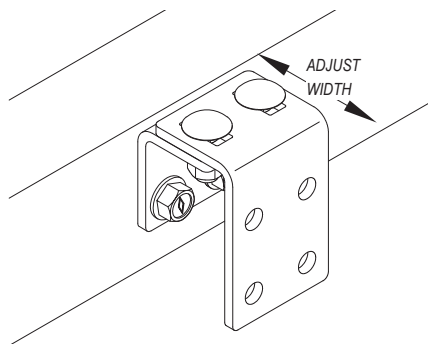
STEP 3: Using holes in fixed bracket as guide, mark and drill 5/16 inch holes in top rail. Fasten bracket to top rail with screws (H), using washers (W) and nuts (S) where possible.



STEP 4: Assemble slider bracket to fixed bracket with carriage bolts (J), washers (W) and nuts (S).

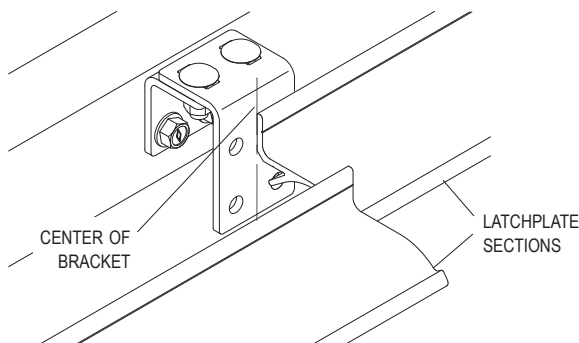


STEP 5: Adjust width to match hinge bracket width before tightening carriage bolts.

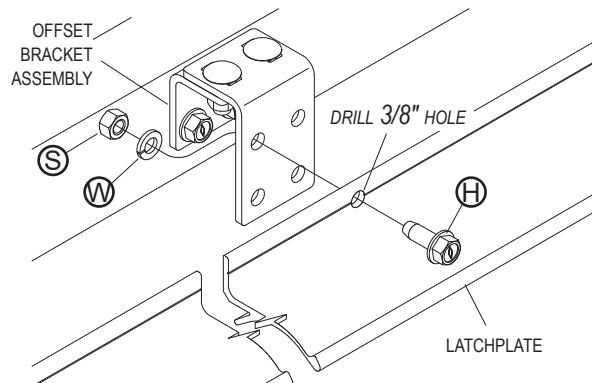


LATCHPLATES

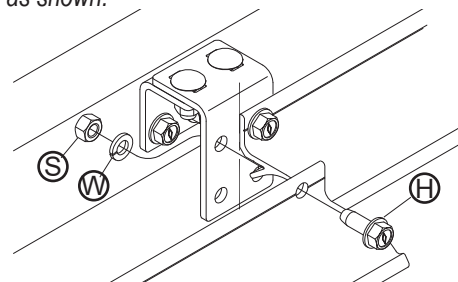
STEP 1: Position one offset bracket assembly every 2 feet along top rail (see owner's manual). Where latchplate sections meet, center bracket assemblies as shown (see note).



STEP 2: Align latchplate with upper holes in offset bracket assemblies. Using holes in brackets as guide, mark and drill 3/8 inch holes in latchplate. Fasten latchplate to offset bracket assemblies with screws (H), washers (W) and nuts (S).



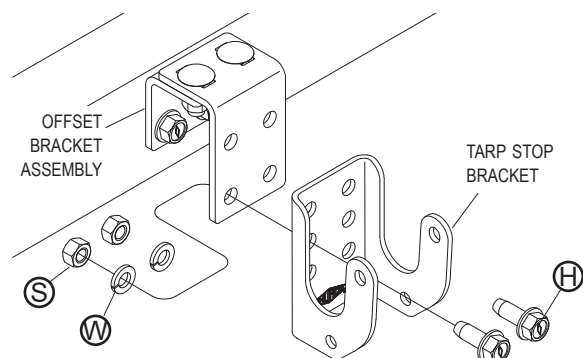
NOTE: Fasten latchplate to brackets through only one hole, in most cases. Where latchplate sections meet, fasten as shown.

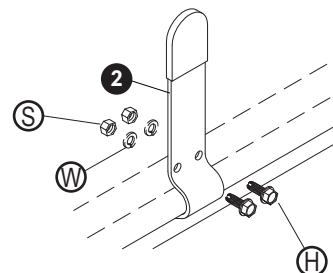
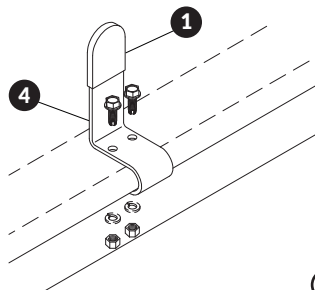
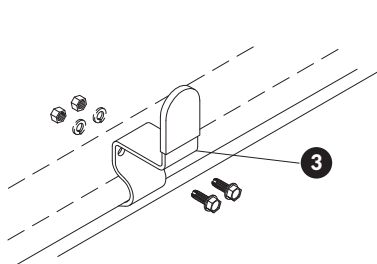


TARP STOPS

STEP 1: Locate one offset bracket at each tarp stop. See owner's manual for tarp stop locations.

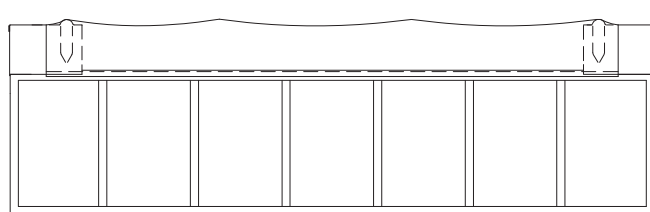
STEP 2: Align middle holes in tarp stop bracket with lower holes in offset bracket assembly. Fasten tarp stop bracket to offset bracket assembly with screws (H), washers (W) and nuts (S).





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"
W.	1700434	Lock Washer - 3/8"
S.	1700407	Hex Nut - 3/8"

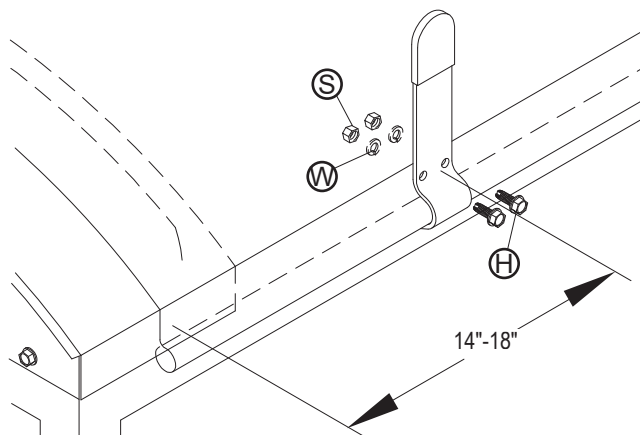
STEP 1: Center tarp on box between front and rear end caps, with fixed tube hanging about 3 inches below top rail on right side of box. Square up tarp and fixed tube.



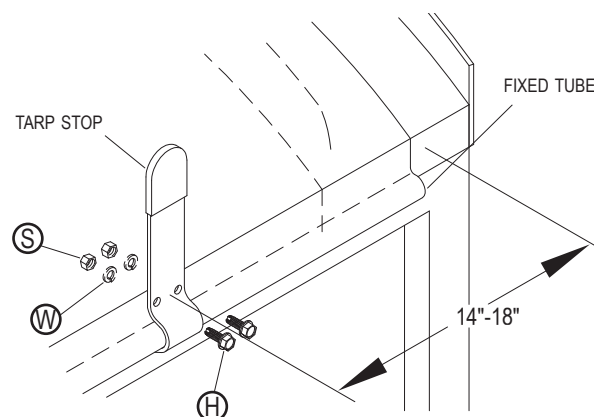
NOTE: If installing system to open from right side of box, locate tarp stops on left side.

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 (S).

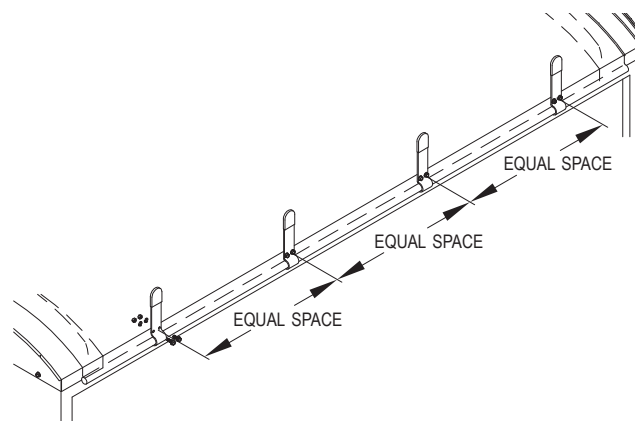
NOTE: Use washers and nuts where needed and drill 13/32 inch holes. If using self-tapping screws only, drill 5/16 inch holes.



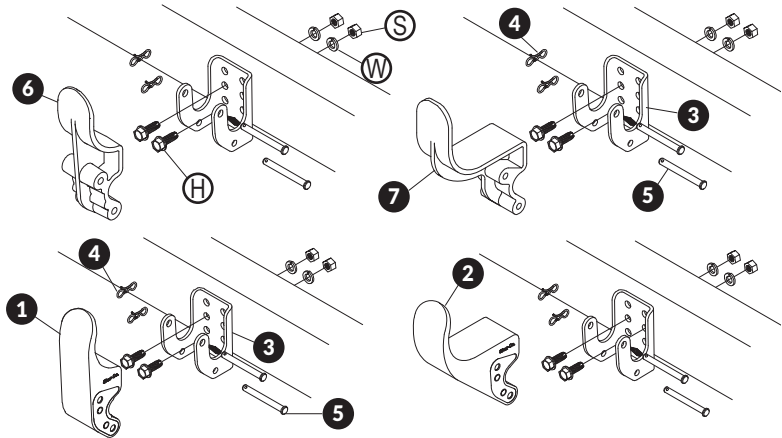
STEP 3: Square up and stretch tarp tight, then locate second tarp stop 14 to 18 inches from front edge of tarp. Mark and drill holes and fasten to box with screws (H), lock washers (W) and nuts (S).



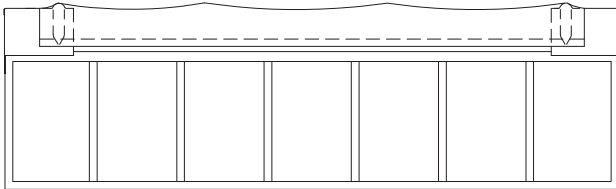
STEP 4: Vertically align and equally space remaining tarp stops. Mark and drill holes and fasten to box.



Item	Part #	Description
1.	1115216	Easy-Off Flexible Tarp Stop Upright w/Plate
2.	1115217	Easy-Off Flexible Tarp Stop Upright - 6" Offset 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	Easy-Off Aluminum Tarp Stop Upright - 6" Offset
H.	1700400	Self-Tapping Screw - 3/8" x 1"
W.	1700434	Lock Washer - 3/8"
S.	1700407	Hex Nut - 3/8"

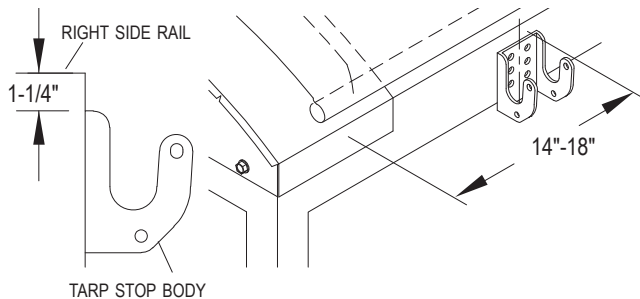


STEP 1: Center tarp between front and rear end caps, with fixed tube on right side of box.



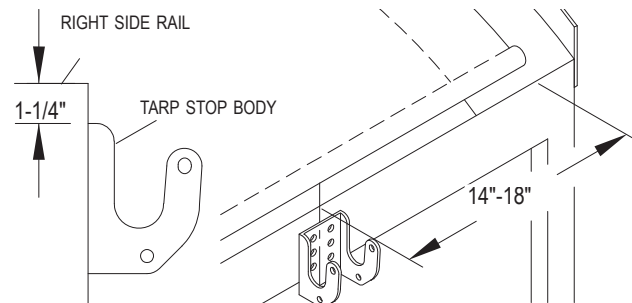
NOTE: If installing system to open from right side of box, locate tarp stops on left side.

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

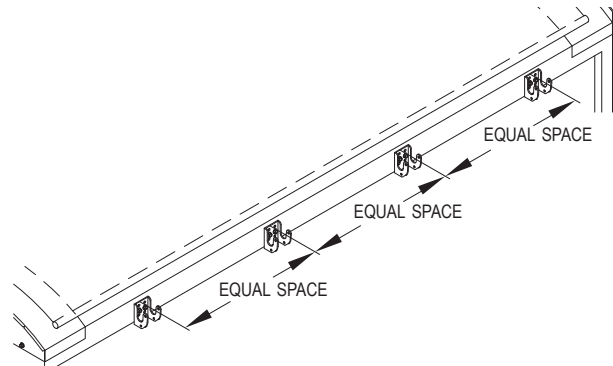


NOTE: Install tarp stop body on vertical surface. Fasten through holes that best fit top rail configuration.

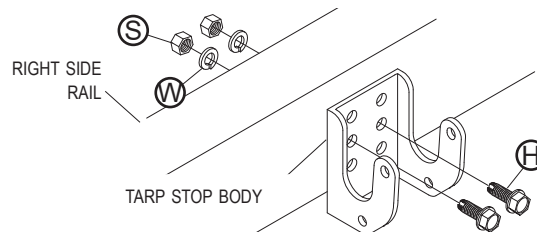
STEP 3: Locate second tarp stop body 14 to 18 inches from front of tarp and 1-1/4 inch from top edge of rail.



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

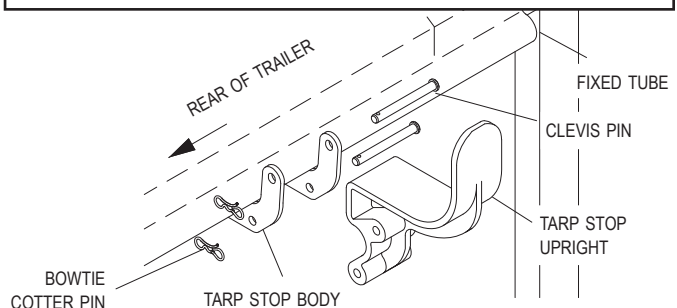


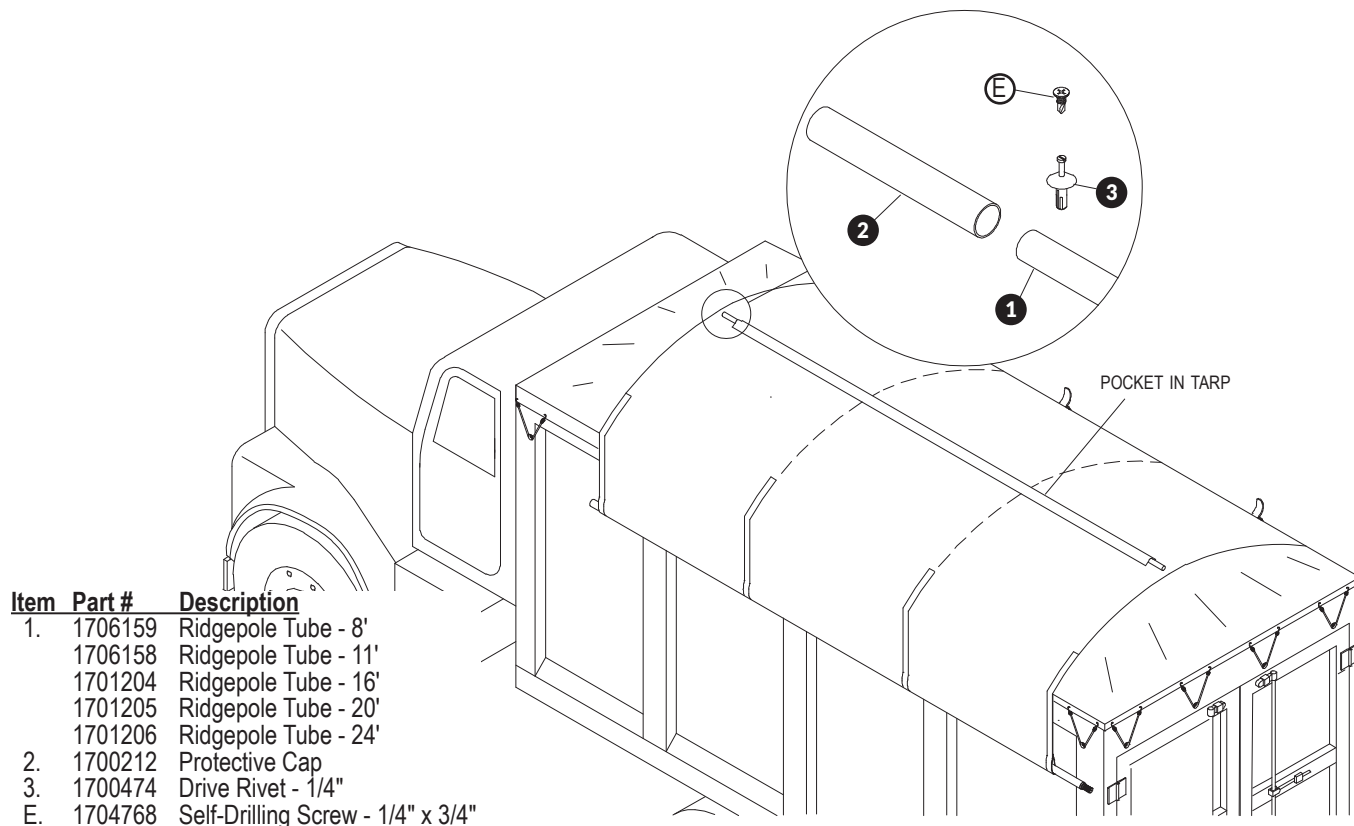
STEP 5: Use tarp stop bodies as templates to mark hole locations. Drill 5/16 inch holes and fasten to box with screws (H), lock washers (W) and nuts (S).



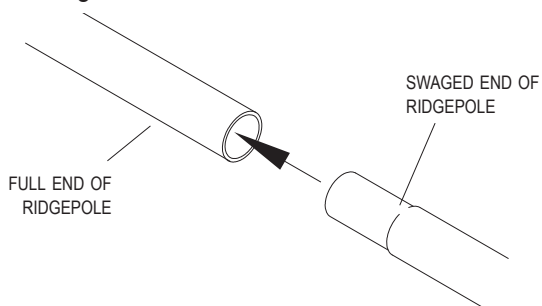
STEP 6: Adjust tarp so fixed tube rests squarely in tarp stop bodies. Fasten tarp stop uprights to tarp stop bodies with clevis pins. Secure with bowtie cotter pins.

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



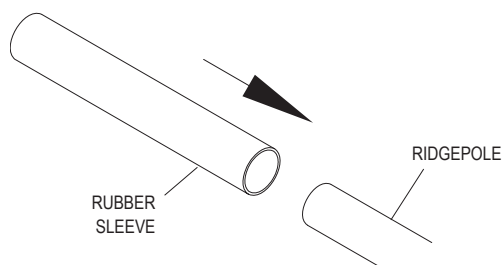


STEP 1: Units over 24 feet: Insert swaged end of ridgepole into full end of second ridgepole. Align and weld poles, then grind smooth.

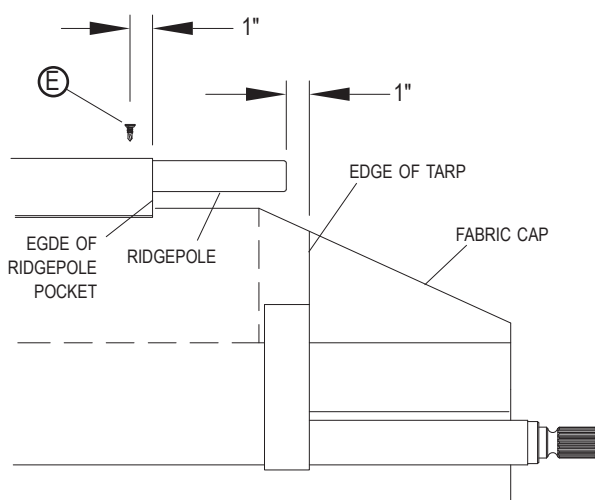


STEP 2: Cut ridgepole tube 2 inches shorter than tarp length. Grind rough edges smooth.

STEP 3: Install rubber sleeves over ends of ridgepole.

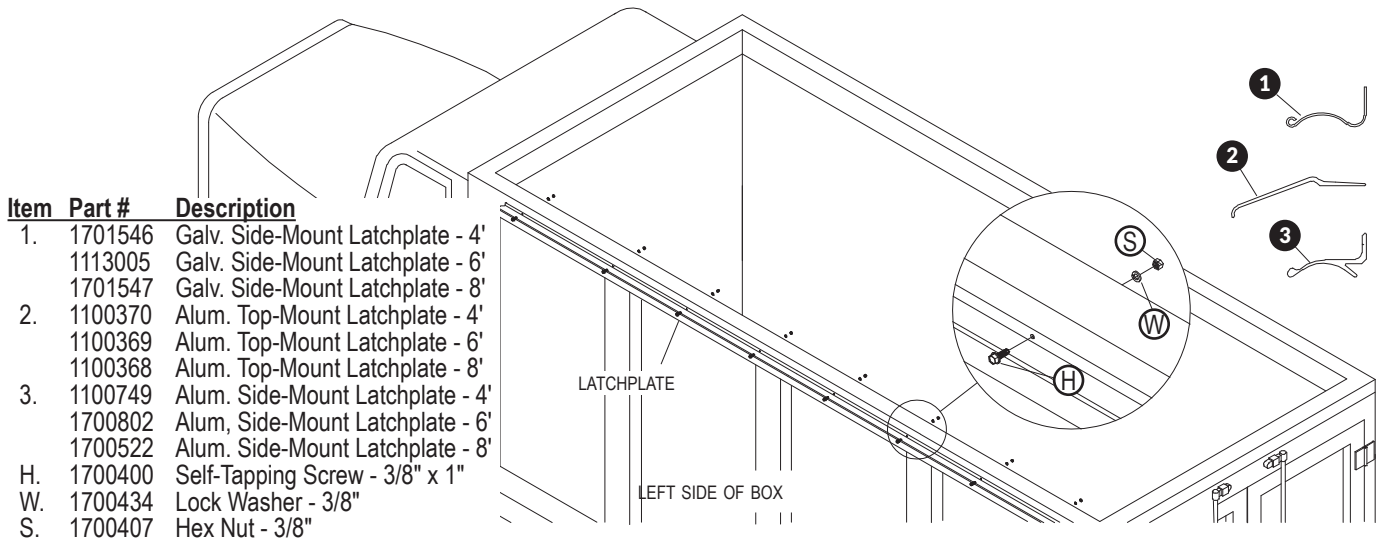


STEP 4: Insert ridgepole into ridgepole pocket on tarp. Center pole in tarp pocket and verify that ridgepole is 1 inch shorter than tarp on each end.

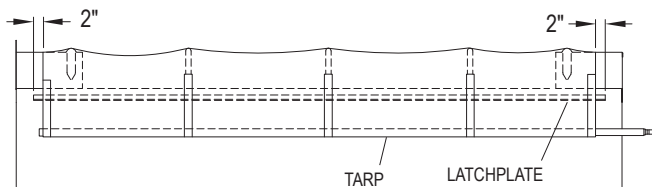


STEP 5: Install screw (E) 1 inch from edge of pocket. Pull tarp to full length and install second screw 1 inch from opposite end of pole.

NOTE: For kits containing rivets instead of screws, drill 1/4 inch holes and install rivets in same manner as screws - see STEPS 4 and 5.



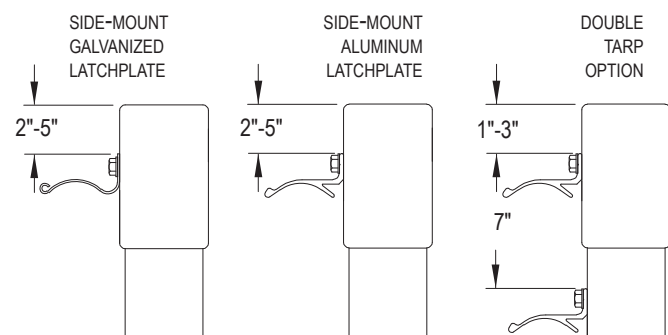
STEP 1: Adapt latchplate pieces to extend 2 inches past tarp at front and rear of tarp.



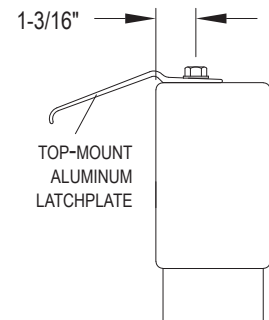
NOTE: If installing system to open from left side of box, locate latchplate on right side. Latchplate alignment must be true.

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 in place.

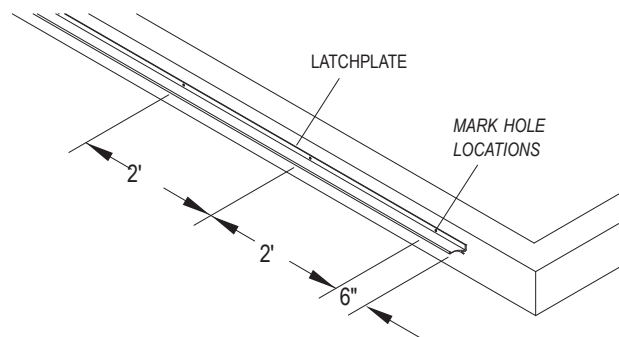
DOUBLE Tarp option. Locate top row of latchplate sections 1 to 3 inches down from top edge of rail. Locate second row of latchplate sections 7 inches below first row.



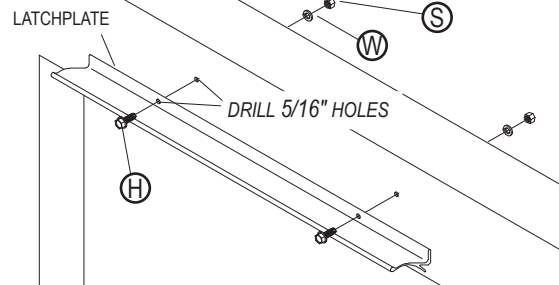
STEP 2B: Top-mount latchplate. Install in the same way as side-mount latchplate, except fasten over top rail, aligning screws about 1-3/16 inch from edge of rail.

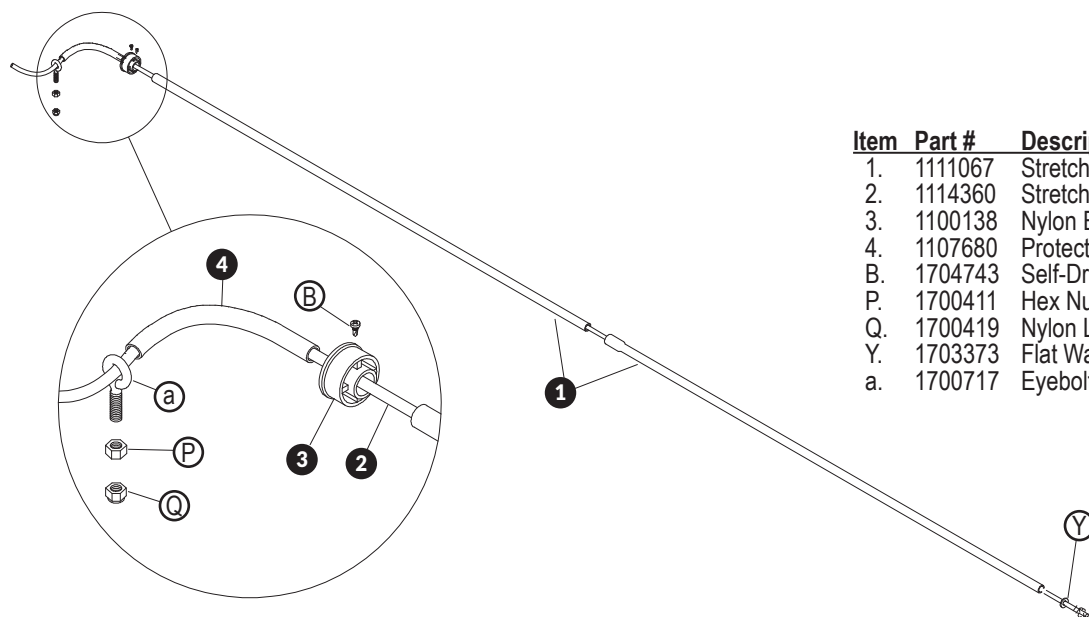


STEP 3: Mark hole locations on latchplate about every 2 feet apart, with holes no more than 6-inches from edges.



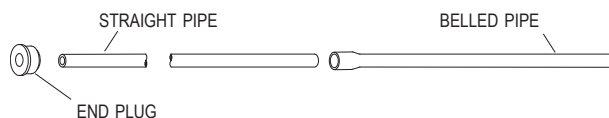
STEP 4: Drill 5/16 inch pilot holes through latchplate and box. Fasten with screws (H), lock washers (W) and nuts (S).



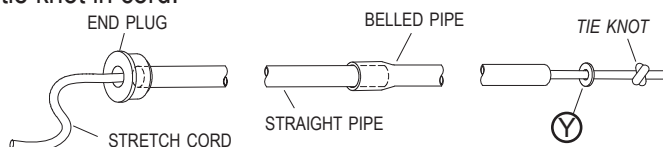


Item	Part #	Description
1.	1111067	Stretch Cord Return Tube Set
2.	1114360	Stretch Cord Return Cord - 11-1/2'
3.	1100138	Nylon End Plug
4.	1107680	Protective Stretch Cord Cover
B.	1704743	Self-Drilling Screw - #10 x 1/2"
P.	1700411	Hex Nut - 5/16"
Q.	1700419	Nylon Lock Nut - 5/16"
Y.	1703373	Flat Washer - 1/2"
a.	1700717	Eyebolt - 5/16" x 7/8" Thread

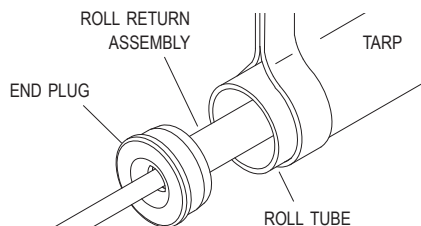
STEP 1: Insert belled stretch cord return pipe into straight stretch cord return pipe. Insert end plug into straight stretch cord return pipe.



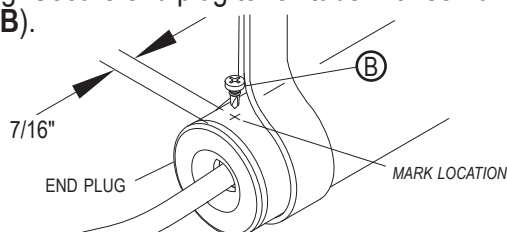
STEP 2: Insert stretch cord through end plug and roll return pipes. Slide flat washer (Y) over stretch cord and tie knot in cord.



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

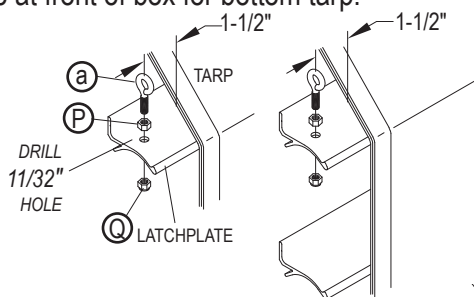


STEP 4: Mark location about 7/16 inch from edge of end plug. Secure end plug to roll tube with self-drilling screw (B).



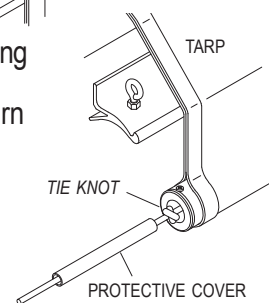
STEP 5: Drill 11/32 inch hole through latchplate, 1-1/2 inches from edge of tarp. Insert eyebolt (a) through hole and secure with nut (P) and lock nut (Q).

DOUBLE Tarp. Install stretch cord return on upper latchplate at front of box for bottom tarp.

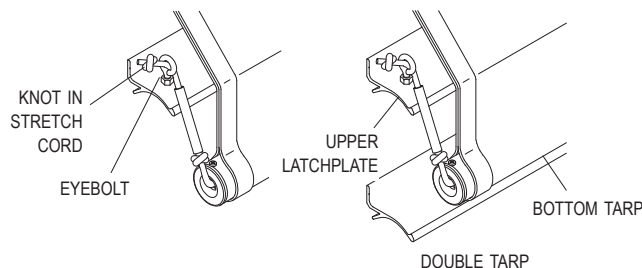


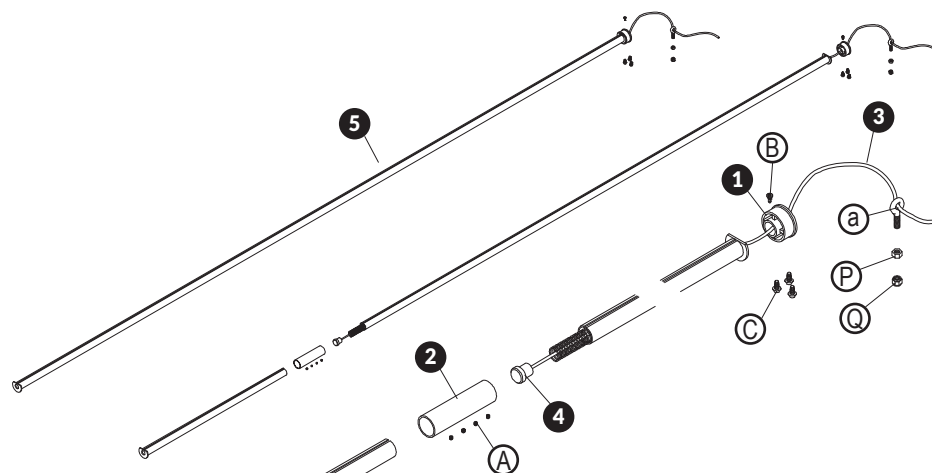
STEP 6: With tarp closed and hanging over edge of box, pull stretch cord to remove all slack in stretch cord return assembly.

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



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

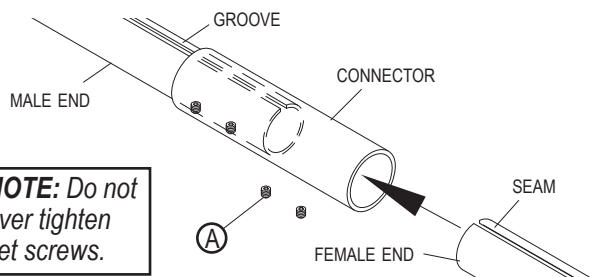




Item	Part #	Description
1.	1100138	Nylon End Plug
2.	1107879	Connector Sleeve
3.	1100826	Shur-Return™ Rope
4.	1100827	Spring Retainer Plug
5.	1100832	Shur-Return™ Assembly (Spring - Rope - Slide)
A.	1701423	Set Screw - #10 x 3/16"
B.	1704743	Self-Tapping Screw - #10 x 1/2"
C.	1700736	Self-Tapping Screw - 1/4" x 1/2"
P.	1700411	Hex Nut - 5/16"
Q.	1700419	Nylon Lock Nut - 5/16"
a.	1700717	Eyebolt Anchor - 5/16" x 7/8"

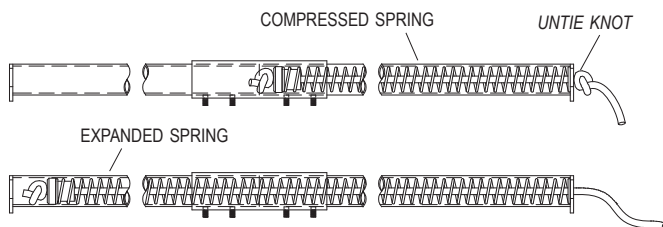
NOTE: STEPS 1 and 2 are for UPS-able Shur-Return™ only.

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



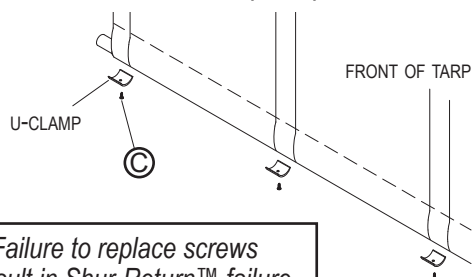
NOTE: Do not over tighten set screws.

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



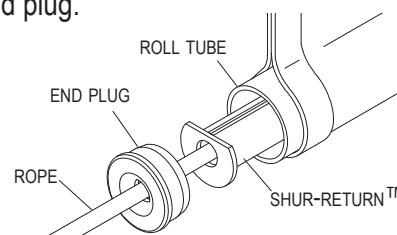
NOTE: Spring is compressed. Use caution when untying knot.

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

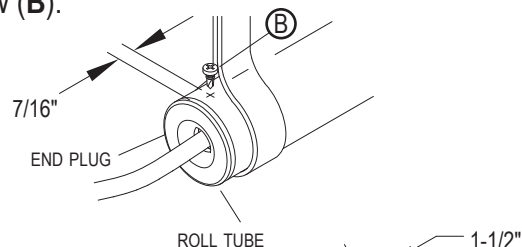


NOTE: Failure to replace screws could result in Shur-Return™ failure.

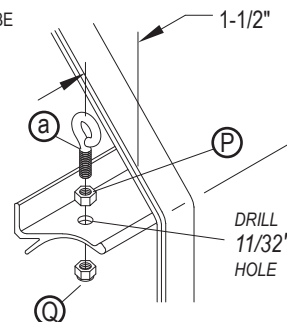
STEP 4: Insert Shur-Return™ into roll tube at front of box, with rope at open end of roll tube. Thread rope through nylon end plug.



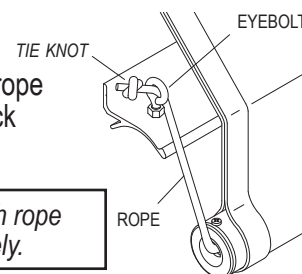
STEP 5: Tap end plug into roll tube and mark location 7/16 inch from edge of end plug. Secure end plug to roll tube with screw (B).



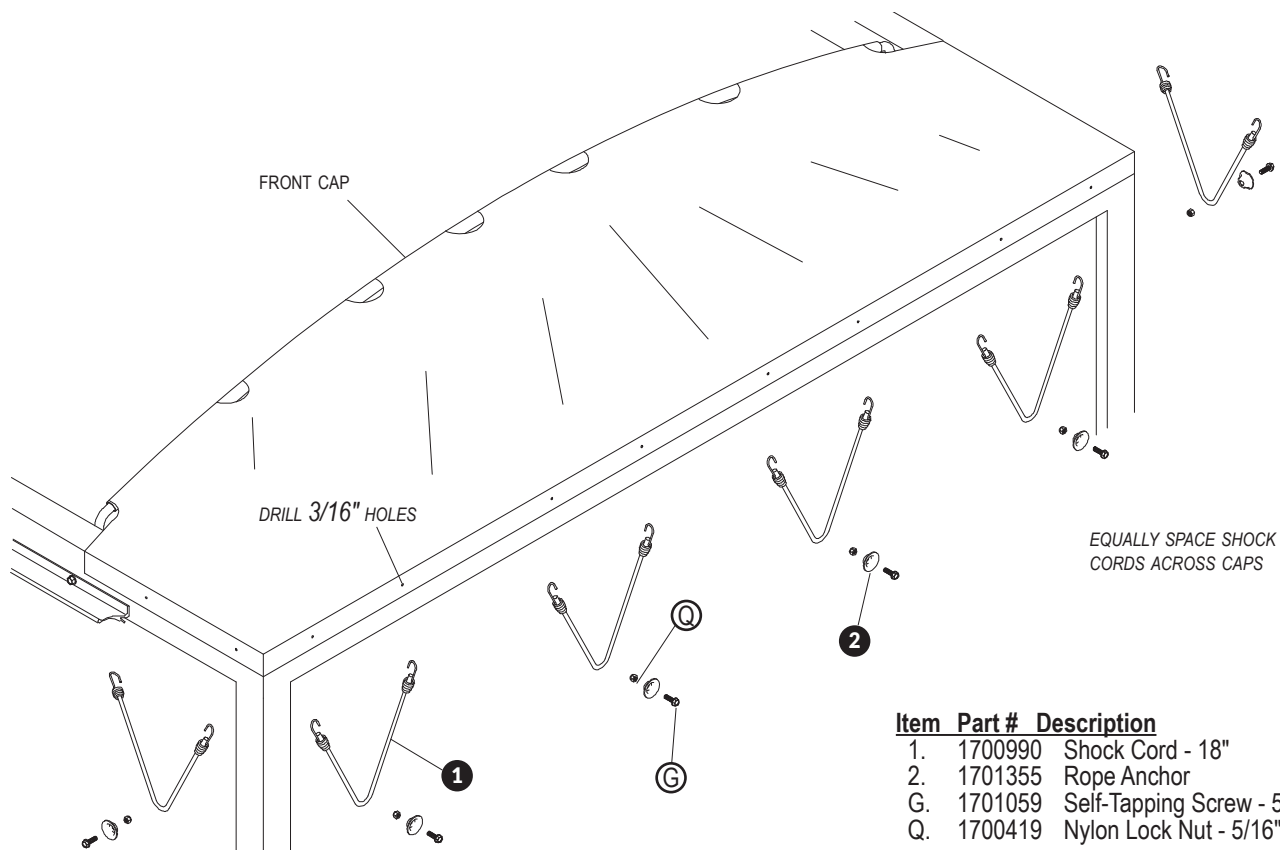
STEP 6: Drill 11/32 inch hole into latchplate 1-1/2 inches beyond end of tarp. Insert eyebolt (a) through hole and secure with (P) and (Q).



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

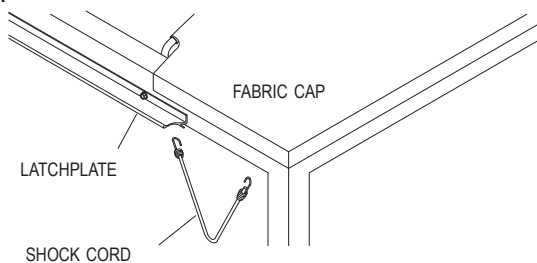


TIP: Do not cut off excess stretch rope until sure tarp will open completely.

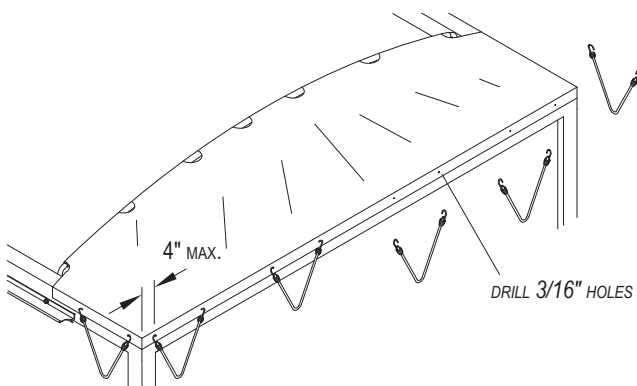


Item	Part #	Description
1.	1700990	Shock Cord - 18"
2.	1701355	Rope Anchor
G.	1701059	Self-Tapping Screw - 5/16" x 1"
Q.	1700419	Nylon Lock Nut - 5/16"

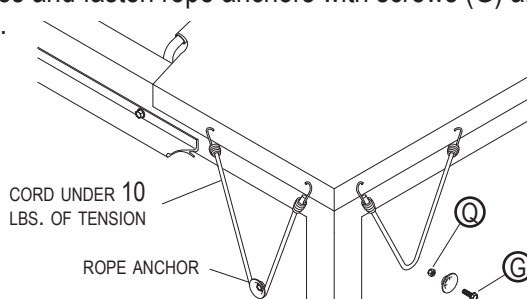
STEP 1: Locate one shock cord on each side of cap, as close as possible to center of cap without touching latchplate.



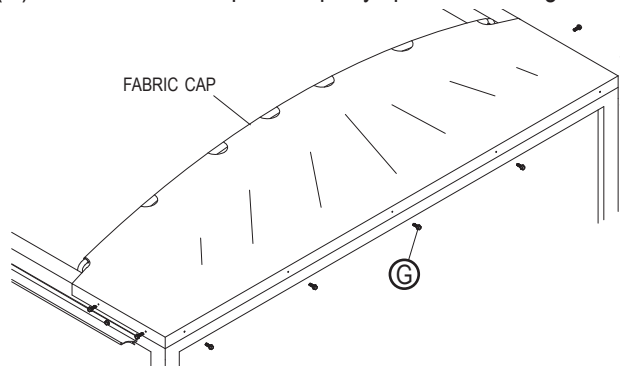
STEP 2: Equally space remaining shock cords across face of fabric cap. Drill 3/16 inch holes through aluminum flat bar and hook shock cords into holes.



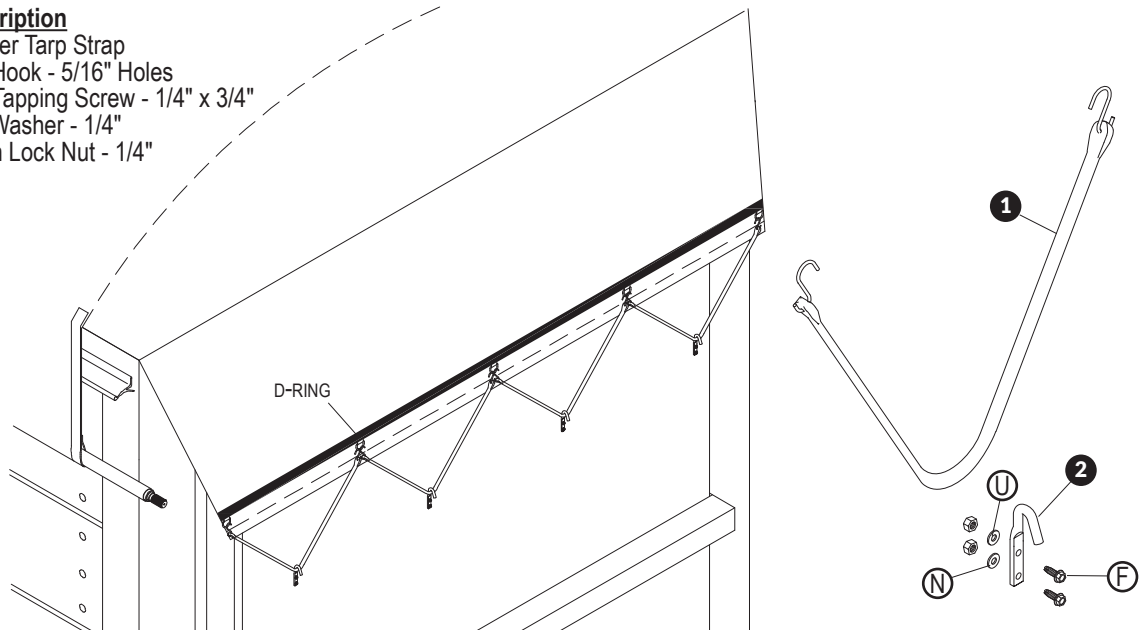
STEP 3: Locate rope anchors so shock cords will receive at least 10 pounds of force pulling on them. Drill 1/4 inch holes and fasten rope anchors with screws (G) and nuts (Q).



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

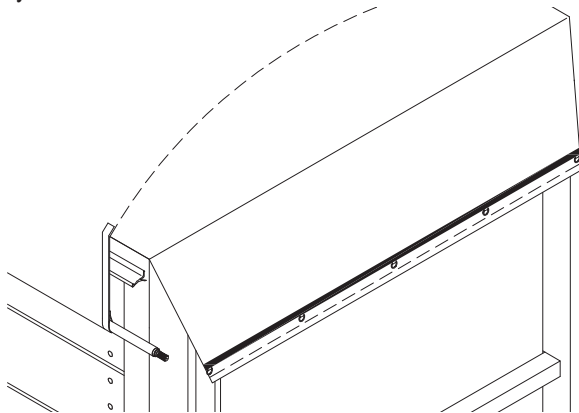


Item	Part #	Description
1.	1700650	Rubber Tarp Strap
2.	1700682	Box Hook - 5/16" Holes
F.	1700403	Self-Tapping Screw - 1/4" x 3/4"
U.	1700427	Flat Washer - 1/4"
N.	1701543	Nylon Lock Nut - 1/4"

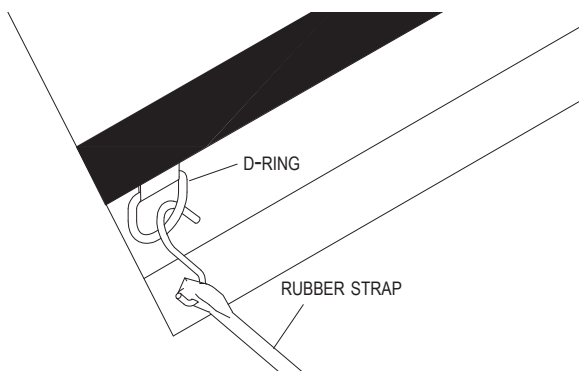


STEP 1: Install rear bow and bow brackets per bow instructions, locating bow as close to rear of trailer as possible without interfering with gate hinges. Align bow height with height of previously installed bows.

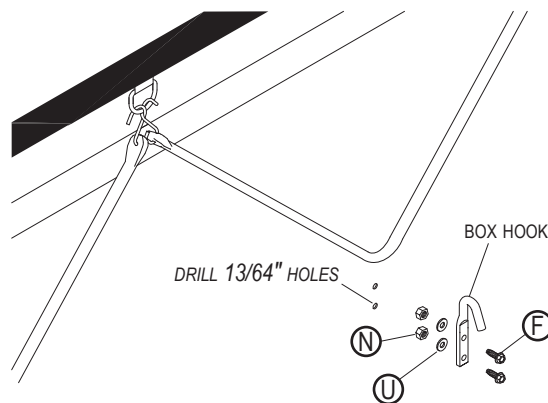
STEP 2: Roll tarp closed over bows. Pull poorboy tail flap squarely over rear of box.



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

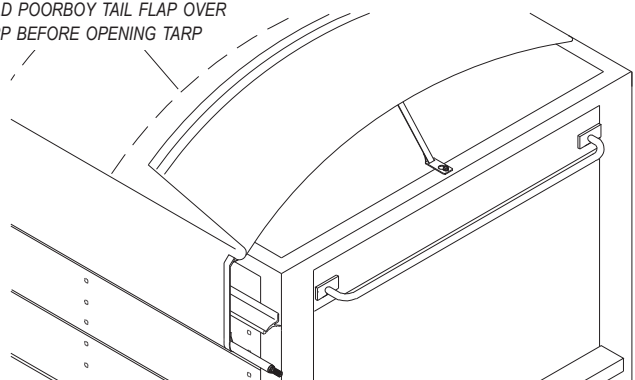


STEP 4: Locate and install box hooks so rubber straps will have at least 10 pounds of force pulling on them. Drill 13/64-inch holes and fasten box hooks with 1/4-inch screws (F), washers (U) and nuts (N).



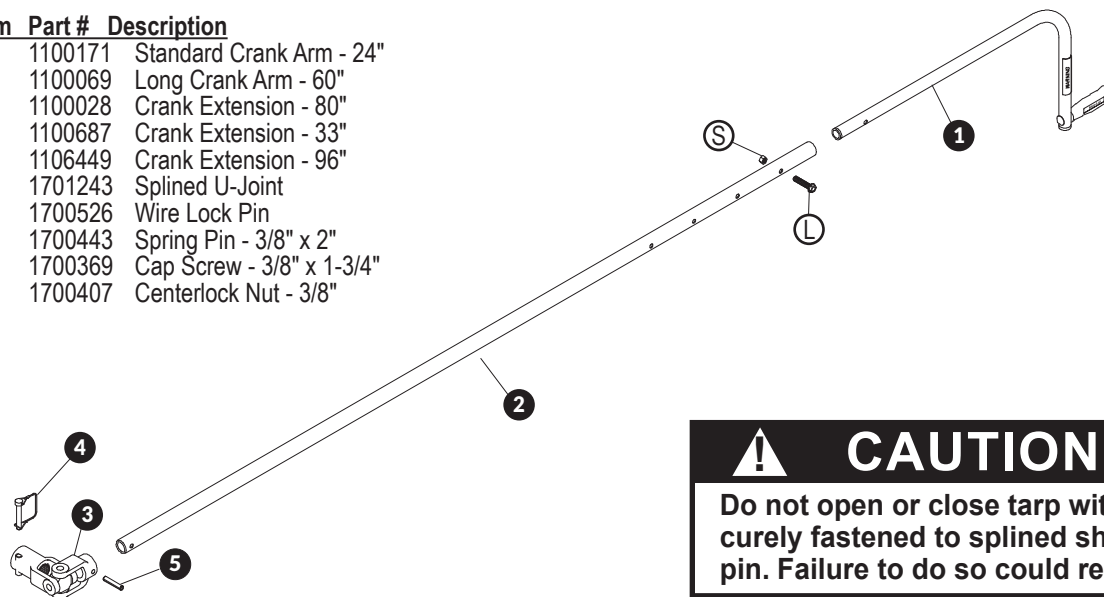
STEP 5: Release rubber straps from box hooks and fold flap over tarp before rolling tarp open. Close tarp and secure rubber straps to box hooks before traveling.

FOLD POORBOY TAIL FLAP OVER TARP BEFORE OPENING TARP

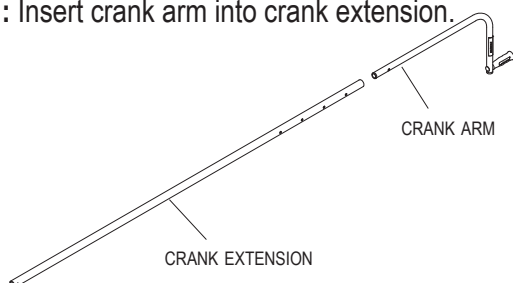


Item Part # Description

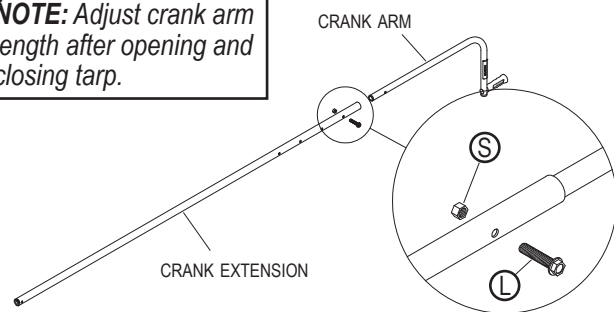
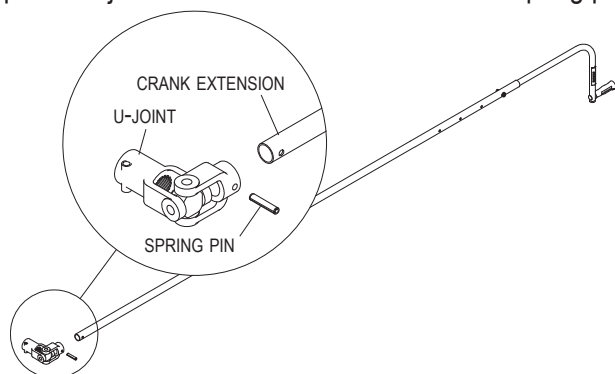
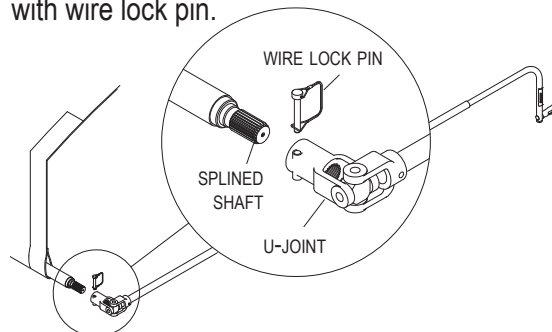
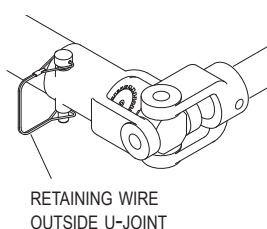
- | | | |
|----|---------|---------------------------|
| 1. | 1100171 | Standard Crank Arm - 24" |
| | 1100069 | Long Crank Arm - 60" |
| 2. | 1100028 | Crank Extension - 80" |
| | 1100687 | Crank Extension - 33" |
| | 1106449 | Crank Extension - 96" |
| 3. | 1701243 | Splined U-Joint |
| 4. | 1700526 | Wire Lock Pin |
| 5. | 1700443 | Spring Pin - 3/8" x 2" |
| L. | 1700369 | Cap Screw - 3/8" x 1-3/4" |
| S. | 1700407 | Centerlock Nut - 3/8" |

**CAUTION**

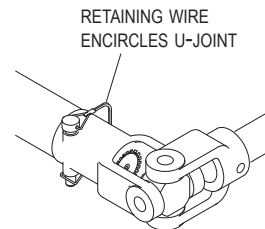
Do not open or close tarp without U-joint securely fastened to splined shaft with wire lock pin. Failure to do so could result in injury.

STEP 1: Insert crank arm into crank extension.**STEP 2:** Fasten with screw (L) and nut (S). Finger tighten.

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

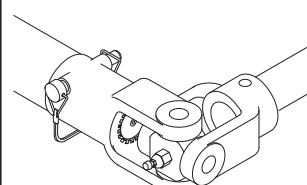
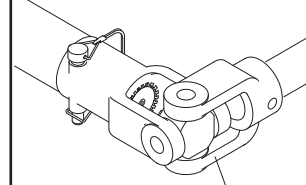
**STEP 3:** Insert crank extension with crank arm into splined U-joint. Secure with 3/8 inch x 2 inch spring pin.**STEP 4:** Place splined U-joint on splined shaft. Secure with wire lock pin.**INCORRECT**

RETAINING WIRE
OUTSIDE U-JOINT

CORRECT

RETAINING WIRE
ENCIRCLES U-JOINT

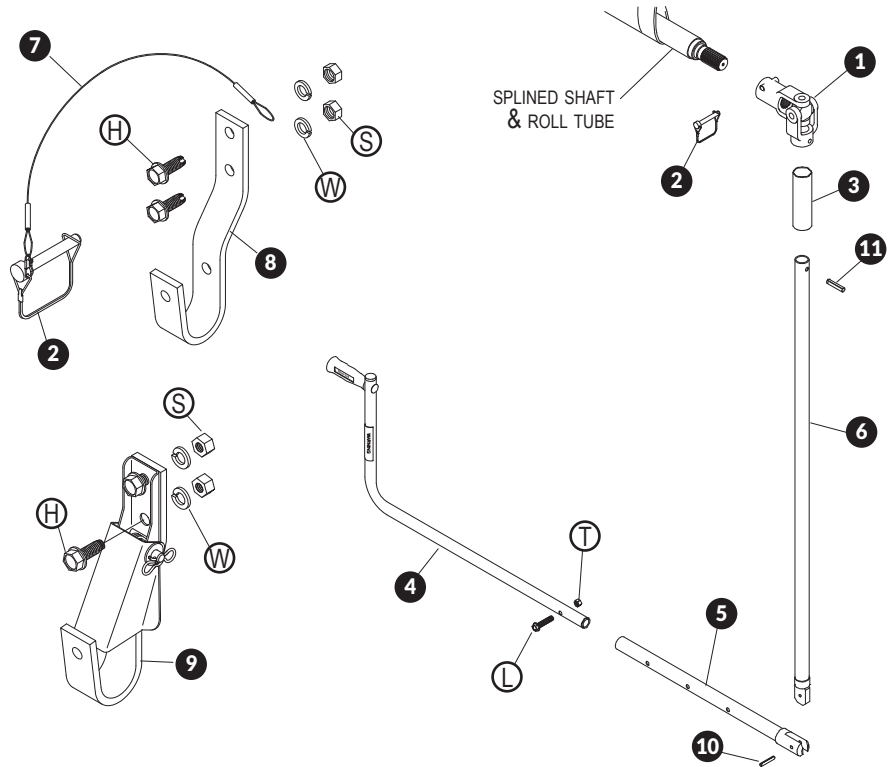
NOTE: U-joint is designed to operate as shown below at right and is able to withstand considerably more pressure in this position.

NOT RECOMMENDED**RECOMMENDED**

NOTE U-JOINT POSITION

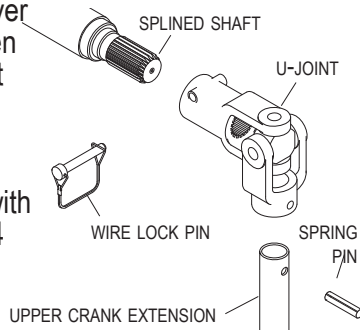
Item Part # Description

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
10. 1701118 Spring Pin - 1/4" x 1-3/16"
11. 1700443 Spring Pin - 3/8" x 2"
- H. 1700400 Self-Tapping Screw - 3/8" x 1"
- L. 1700369 Cap Screw - 3/8" x 1-3/4"
- S. 1700407 Hex Nut - 3/8"
- T. 1700418 Centerlock Nut - 3/8"
- W. 1700434 Lock Washer - 3/8"



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

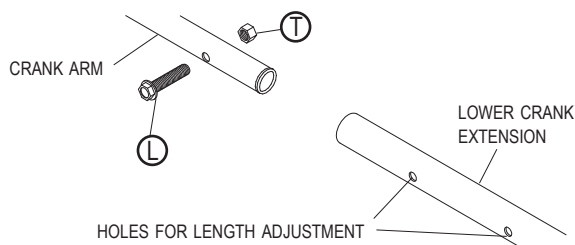
STEP 2: Secure U-joint to splined shaft on roll tube with wire lock pin. (See STEP 4 on page 26.)



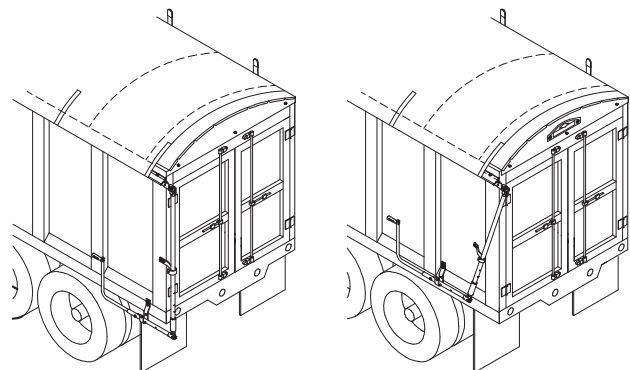
CAUTION

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

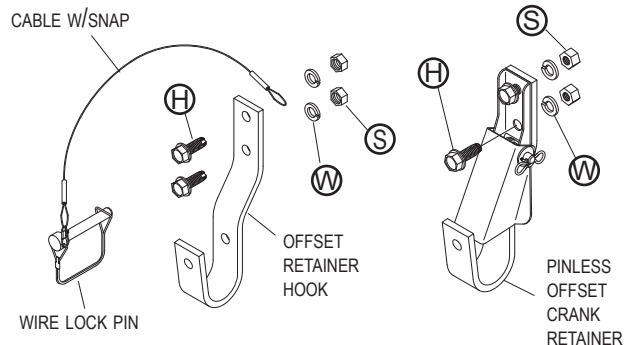
STEP 3: Insert lower crank extension into crank arm. Fasten with screw (L) and nut (T).

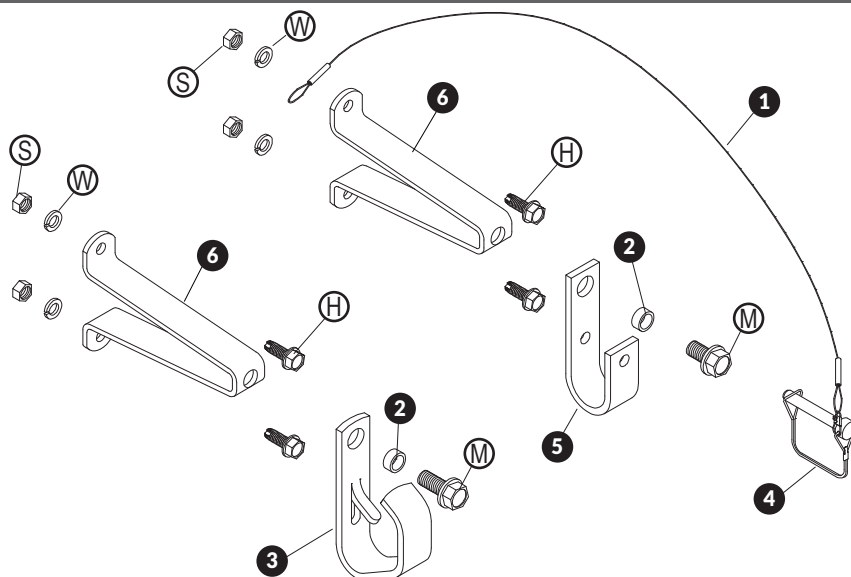


STEP 4: Locate crank retainers (offset or pinless offset) as shown on both right and left side of box. Allow room for lock tube to slide, permitting knuckles to bend.



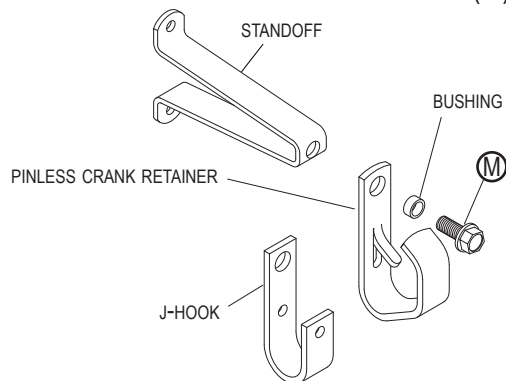
STEP 5: Mount retainers with screws (H), lock washers (W) and nuts (S). Attach cable with snap for offset retainer between lower lock washer and nut.



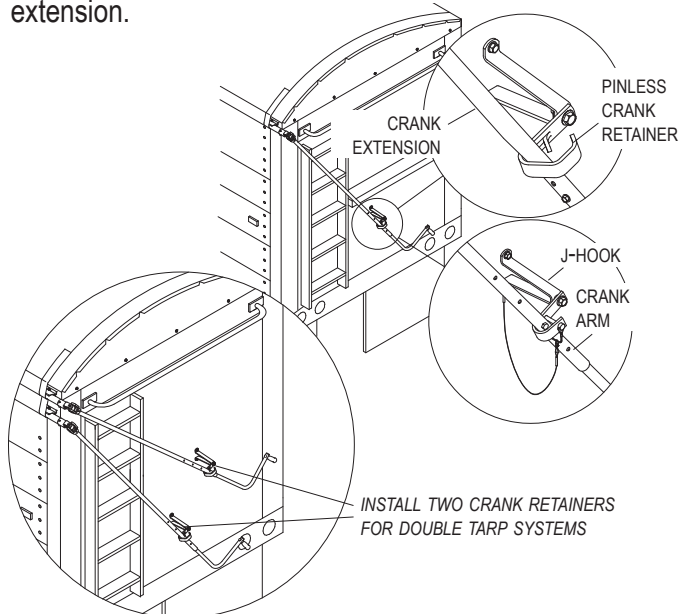


Item	Part #	Description
1.	1100574	Cable w/Snap
2.	1100306	Retainer Bushing
3.	1107049	Pinless Crank Retainer
4.	1700526	Wire Lock Pin
5.	1100040	Crank Retainer J-Hook
6.	1100033	Crank Retainer Standoff - 7"
	1109478	Crank Retainer Standoff - 11"
	1100137	Crank Retainer Standoff - 2"
	1107080	Crank Retainer Standoff - 3"
H.	1700400	Self-Tapping Screw - 3/8" x 1"
M.	1702996	Flanged Cap Screw - 1/2" x 1-1/4"
S.	1700407	Hex Nut - 3/8"
W.	1700434	Lock Washer - 3/8"

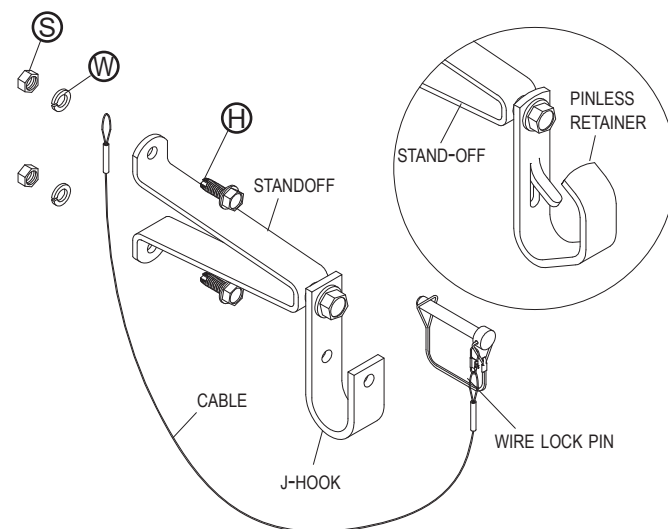
STEP 1: Assemble crank retainer standoff, bushing and pinless crank retainer or J-hook with screw (M).



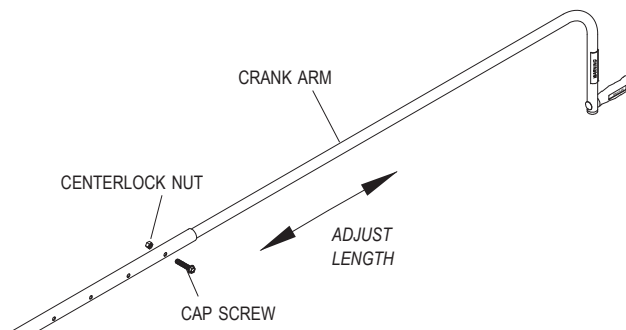
STEP 2: Determine crank retainer location on rear of box, positioning crank retainer above crank arm on crank extension.

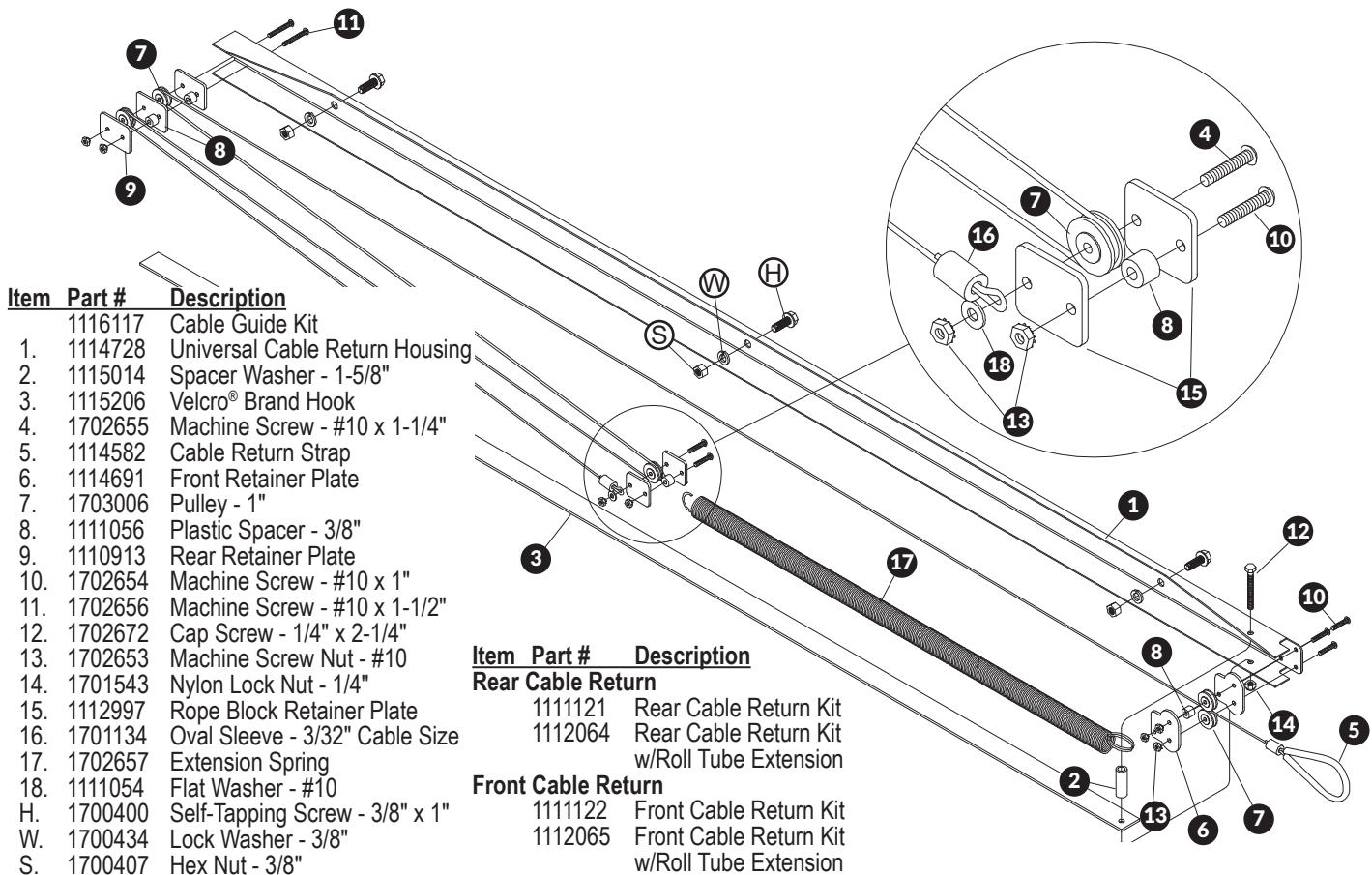


STEP 3: Mark and drill 5/16 inch holes and fasten retainer to box with screws (H), lock washers (W) and nuts (S). Assemble wire lock pin and cable. Fasten cable between box and standoff with screw (H).

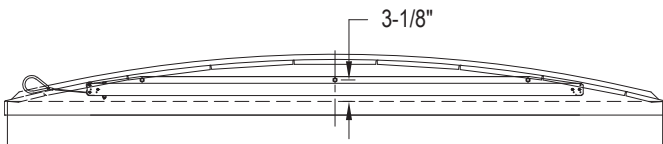


STEP 4: Adjust crank arm length, if required. Tighten screw and nut on crank arm.





STEP 1: Mark point on center line of face panel 3-1/8 inch above upper edge of top rail. Center punch and drill 13/32-inch hole at mark.



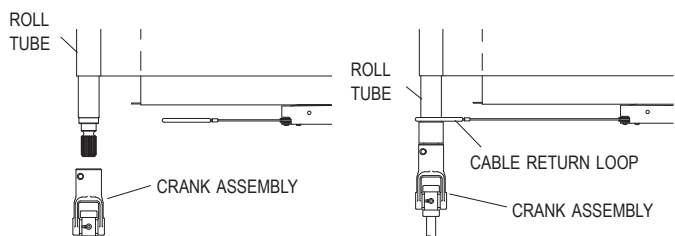
STEP 2: Align center mounting hole on return to drilled hole in cap and fasten with screw (H), lock washer (W) and nut (S).

STEP 3: Align cable return parallel with top rail on box and mark mounting holes. Repeat STEPS 2 and 3.

STEP 4: Release tarp from latchplate and let hang over side of trailer.

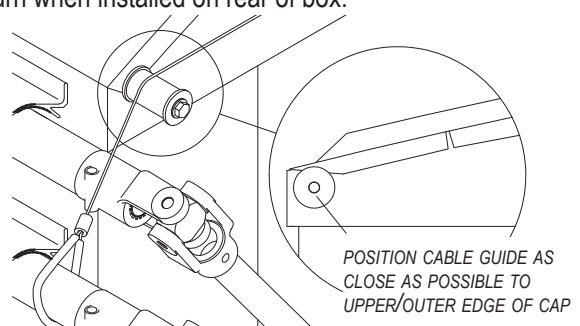
TIPS - Install spacer, such as S/40 PVC pipe, to align cable with pulleys and/or separate cable loop from weld. Adjust cable to prevent rubbing on objects and fraying. Remove weld spatter or debris from roll tube. Replace cable assembly every two years. Roll tube must extend at least 4 inch past front of trailer - purchase 4 foot roll tube P/N 1119434, if required.

STEP 7: Remove crank assembly from roll tube. Slide cable return loop over roll tube and reinstall crank assembly.

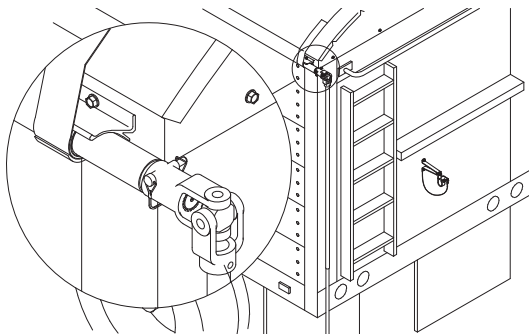


DOUBLE TARP INSTRUCTIONS

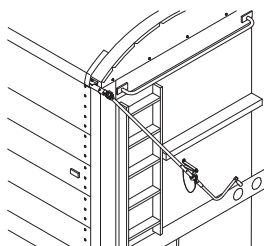
- Install cable return on front of box for top tarp.
- **Optional:** Install cable return on rear of box for top tarp.
- Cable guide (P/N 1703605) must be used with cable return when installed on rear of box.



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

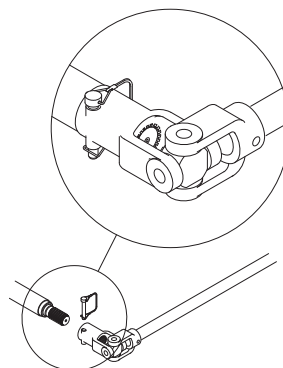
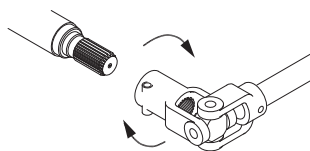


STEP 2: Tighten tarp by lifting crank handle up into crank retainer.



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

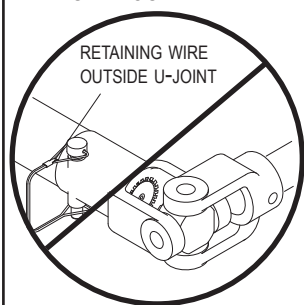
STEP 4: Adjust tension, if required, by removing U-joint from splined shaft, rotating U-joint one tooth and replacing it onto splined shaft.



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

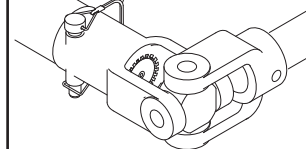
STEP 6: Secure U-joint to splined shaft with wire lock pin.

NOT RECOMMENDED



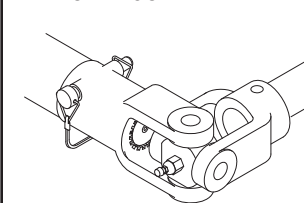
RECOMMENDED

RETAINING WIRE
ENCIRCLES U-JOINT

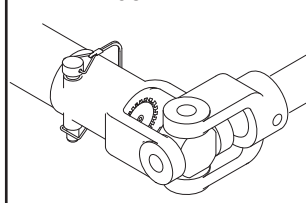


NOTE: U-joint is designed to operate as shown below at right and is able to withstand considerably more pressure in this position.

NOT RECOMMENDED



RECOMMENDED



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



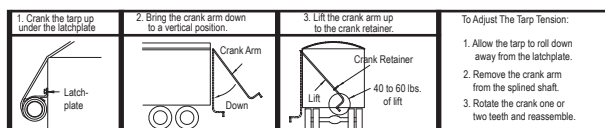
Uncontrolled crank spin. Hold crank firmly with both hands while operating. Failure to do so may result in minor or moderate injury.

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!



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.

END CAPS - STAINLESS STEEL & ALUMINUM

Item	Part #	Description
	1107785	Alum. Cap Mounting Hardware w/Trim Seal - 110"
	1107786	Alum. Cap Mounting Hardware w/Trim Seal - 132"
	1107787	Metal Cap Mounting Hardware - Bolt Kit
1.	1100165	Trim Seal - 110"
	1100357	Trim Seal - 132"
	1700152	Trim Seal (per foot)
2.	1700400	Self-Tapping Screw - 3/8" x 1"
	1703579	Stainless Cap Screw - 3/8" x 1"
3.	1700434	Lock Washer - 3/8"
	1703576	Stainless Lock Washer - 3/8"
4.	1700407	Hex Nut - 3/8"
	1200999	Stainless Hex Nut - 3/8"
5.	1701238	Rubber Windshield (per foot)

Aluminum Front Caps

6.	1107396	Square Corner Front Cap - 94" Wide - Low Rise
	1107395	Square Corner Front Cap - 95" Wide - Low Rise
	1107406	Square Corner Front Cap - 96" Wide - Low Rise
	1107480	Square Corner Front Cap - 102" Wide - High Rise
	1107493	Square Corner Front Cap - 96" Wide - High Rise
	1107514	Square Corner Front Cap - 102" Wide - High Rise
7.	*	Radius/Diag. Front - Up to 96" - Low or High Rise
	*	Radius/Diag. Front - 97" to 102" - Low or High Rise
8.	*	Universal Front - 96" - Flat, Low or High Rise
	*	Universal Front - 102" - Flat, Low or High Rise
9.	1107422	Square Corner Front Cap - 96" Wide - Flat
	1107510	Square Corner Front Cap - 102" Wide - Flat

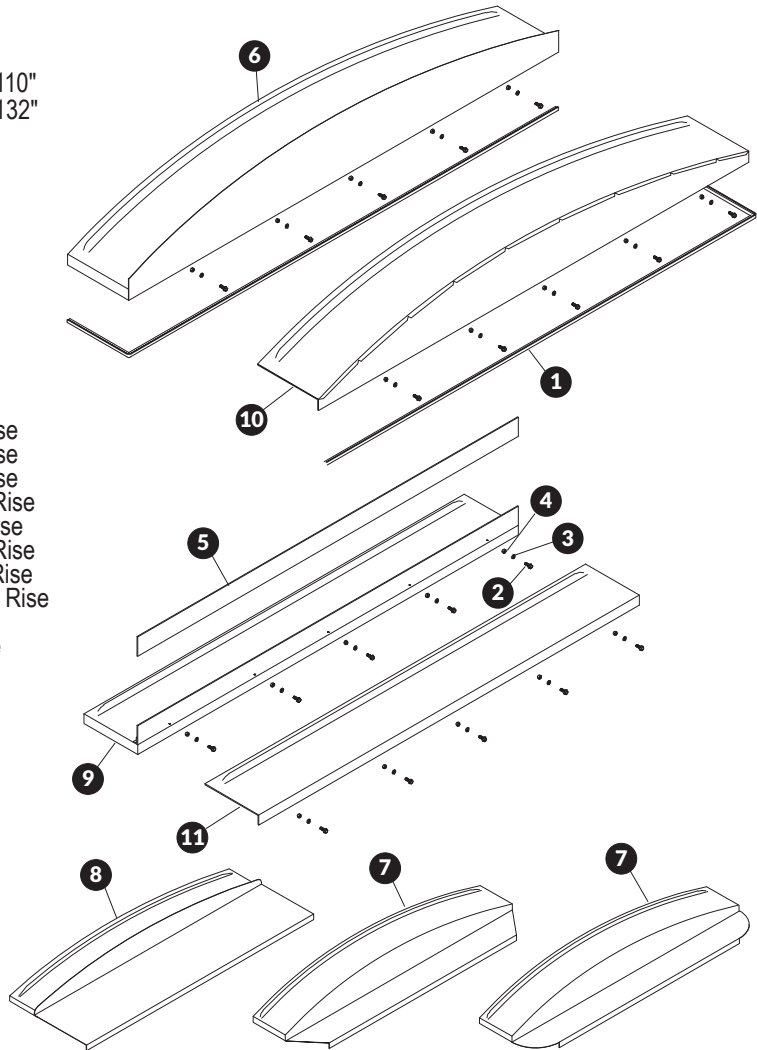
Aluminum Back Caps

10.	1107417	Back Cap - 94" Wide - Low Rise
	1107420	Back Cap - 95" Wide - Low Rise
	1107426	Back Cap - 96" Wide - Low Rise
	1107483	Back Cap - 102" Wide - Low Rise
	1107501	Back Cap - 96" Wide - High Rise
	1107517	Back Cap - 102" Wide - High Rise
11.	1107421	Back Cap - 96" Wide - Flat
	1107512	Back Cap - 102" Wide - Flat

Stainless Steel Caps

*	Stainless Square Front Cap - Low Rise
*	Stainless Square Front Cap - High Rise
*	Stainless Square Back Cap - Low Rise
*	Stainless Square Back Cap - High Rise

* Specify size



END CAPS - ALUMINUM EASY-OFF

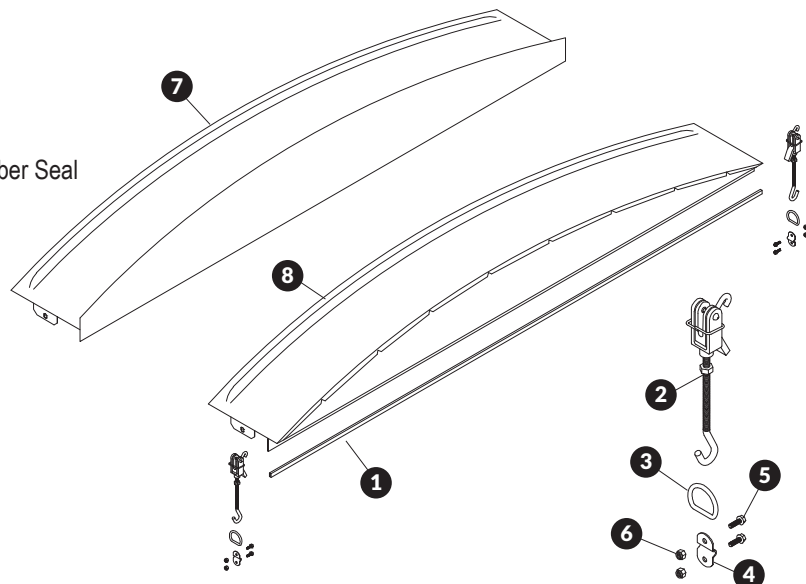
Item	Part #	Description
	1101934	Easy-Off Cap Mounting Hardware w/Rubber Seal
1.	1701115	Rubber Seal (per foot)
2.	1701113	Over-Center Clamp/Safety Clip
3.	1701218	D-Ring - 1-1/2"
4.	1701114	D-Ring Plate
5.	1701059	Self-Tapping Screw - 5/16" x 1"
6.	1700419	Nylon Lock Nut - 5/16"

Easy-Off Front Cap

7.	1107534	Easy-Off Front Low-Rise - 94-1/2" to 96"
	1107540	Easy-Off Front High-Rise - 94-1/2" to 96"
	1107537	Easy-Off Front Low-Rise - 100" to 102"
	1107543	Easy-Off Front High-Rise - 100" to 102"

Easy-Off Back Cap

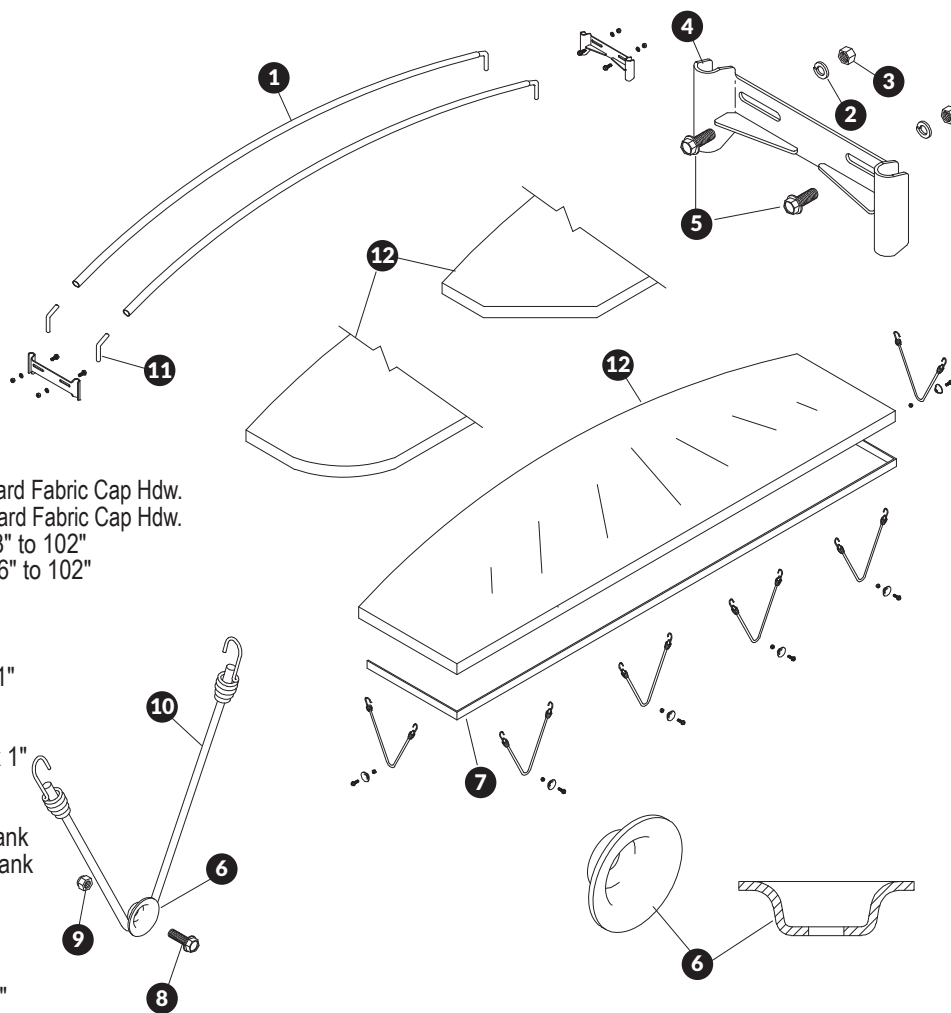
8.	1107554	Easy-Off Back Low-Rise - 94-1/2" to 96"
	1107560	Easy-Off Back High-Rise - 94-1/2" to 96"
	1107557	Easy-Off Back Low-Rise - 100" to 102"
	1107563	Easy-Off Back High-Rise - 100" to 102"



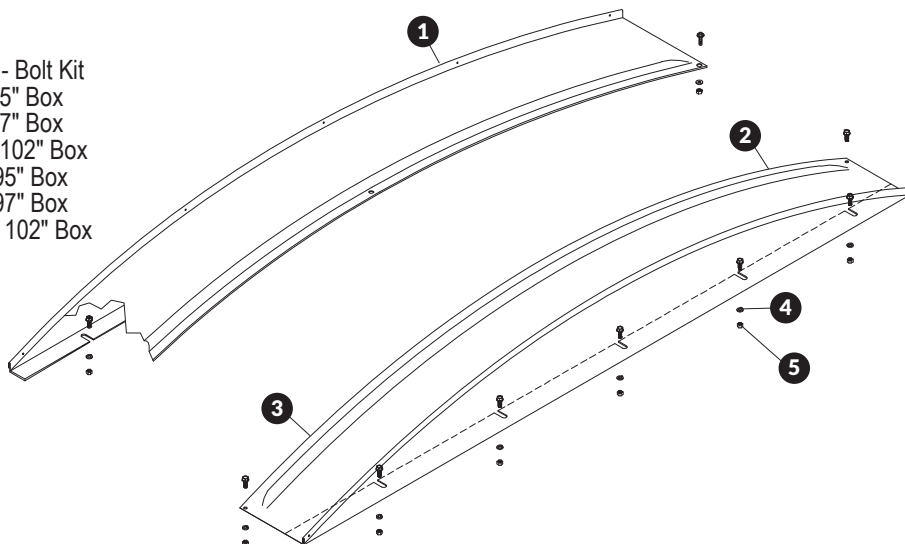
END CAPS - FABRIC FRONT

Item	Part #	Description
	1100642	Double Front Low-Rise Standard Fabric Cap Hdw.
	1100641	Double Front High-Rise Standard Fabric Cap Hdw.
1.	1100760	Standard Low-Rise Bow - 93" to 102"
	1100762	Standard High-Rise Bow - 96" to 102"
2.	1700434	Lock Washer - 3/8"
3.	1700407	Hex Nut - 3/8"
4.	1108211	Double Bow Bracket
5.	1700400	Self-Tapping Screw - 3/8" x 1"
6.	1701355	Rope Anchor
7.	1700581	Aluminum Flat Bar - 103"
8.	1701059	Self-Tapping Screw - 5/16" x 1"
9.	1700419	Nylon Lock Nut - 5/16"
10.	1700990	Shock Cord - 18"
11.	1100695	Standard Low-Rise Bow Shank
	1106925	Standard High-Rise Bow Shank
12.		Fabric Insert Only
	*	Square Front, 96"
	*	Square Front, 102"
	*	Radius/Diagonal Front - 96"
	*	Radius/Diagonal Front - 102"

* Specify size

**END CAPS - GALVANIZED STEEL**

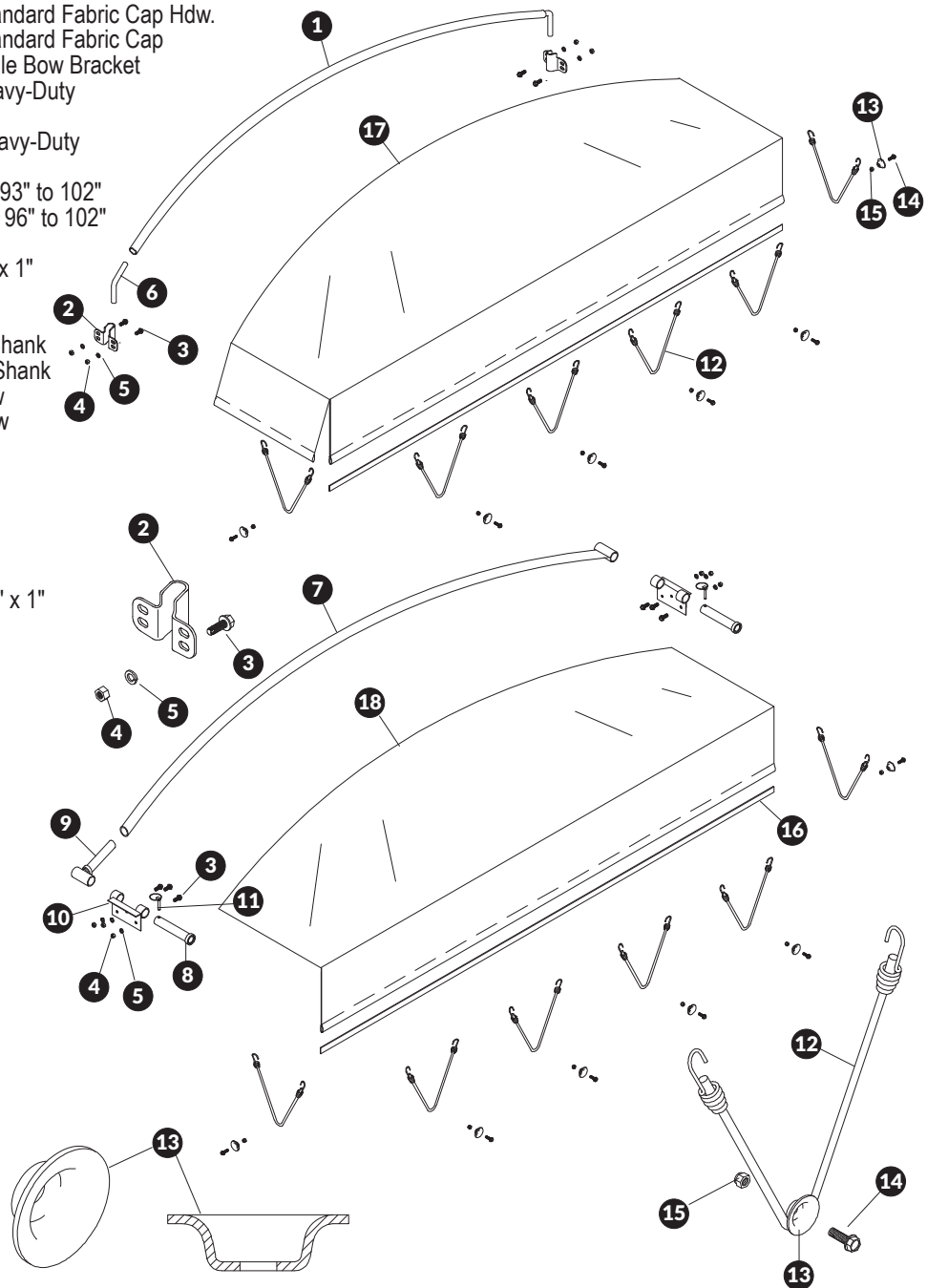
Item	Part #	Description
	1107787	Metal Cap Mounting Hardware - Bolt Kit
1.	1108977	Galvanized Low-Rise - 94" to 95" Box
	1108980	Galvanized Low-Rise - 96" to 97" Box
	1108983	Galvanized Low-Rise - 101" to 102" Box
2.	1108986	Galvanized High-Rise - 94" to 95" Box
	1108989	Galvanized High-Rise - 96" to 97" Box
	1108992	Galvanized High-Rise - 101" to 102" Box
3.	1700400	Self-Tapping Screw - 3/8" x 1"
4.	1700434	Lock Washer - 3/8"
5.	1700407	Hex Nut - 3/8"

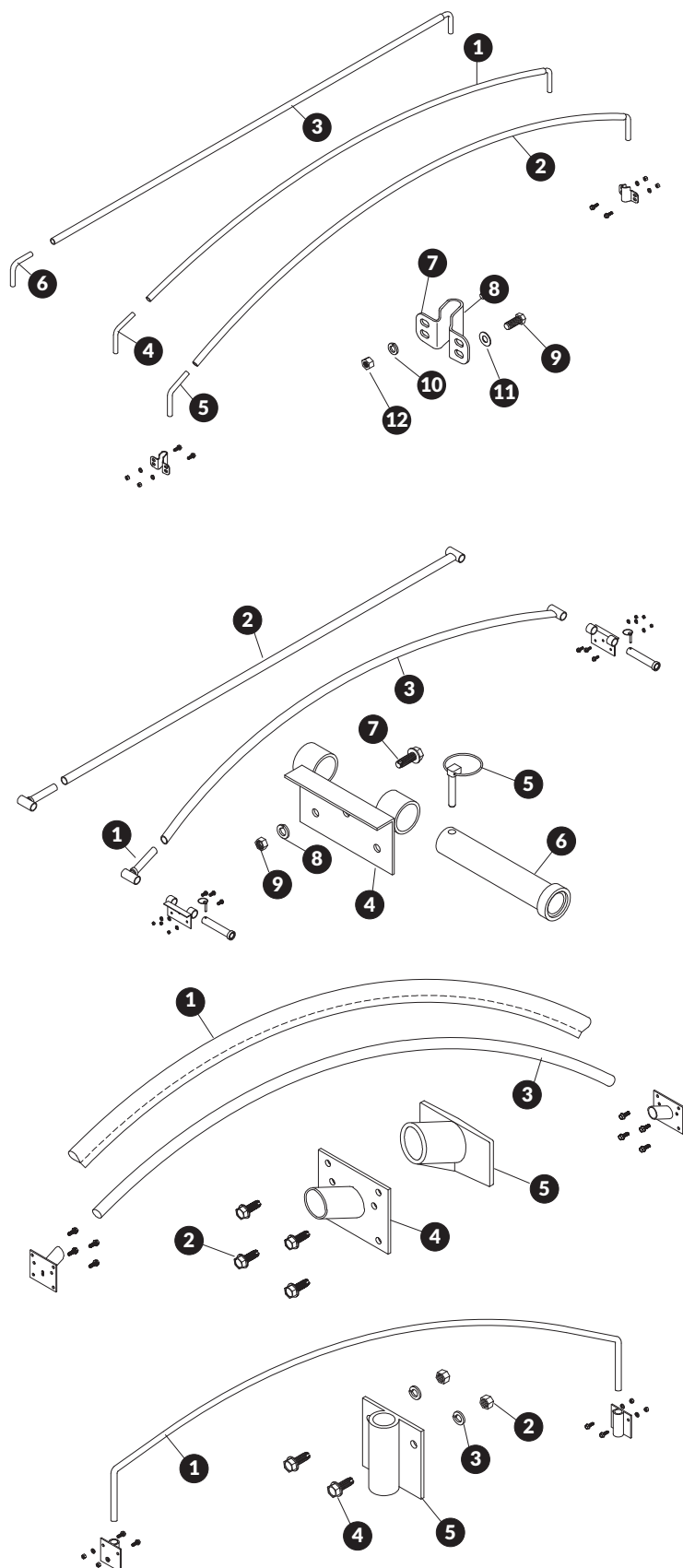


END CAPS - FABRIC BACK

Item	Part #	Description
	1100640	Single Back Low-Rise Standard Fabric Cap Hdw.
	1113359	Single Back Low-Rise Standard Fabric Cap Hardware - Universal Single Bow Bracket
	1100639	Single Back High-Rise Standard Fabric Cap Hdw.
	1113360	Single Back High-Rise Standard Fabric Cap Hardware - Universal Single Bow Bracket
	1102903	Single Back Low-Rise Heavy-Duty Fabric Cap/Flap Hdw.
	1102829	Single Back High-Rise Heavy-Duty Fabric Cap/Flap Hdw.
1.	1100760	Standard Low-Rise Bow - 93" to 102"
	1100762	Standard High-Rise Bow - 96" to 102"
2.	1120836	Single Bow Bracket
3.	1700400	Self-Tapping Screw - 3/8" x 1"
4.	1700407	Hex Nut - 3/8"
5.	1700434	Lock Washer - 3/8"
6.	1100695	Standard Low-Rise Bow Shank
	1106925	Standard High-Rise Bow Shank
7.	1106612	Heavy-Duty Low Rise Bow
	1101927	Heavy-Duty High Rise Bow
8.	1104123	Heavy-Duty Bow Pin
9.	1104706	Heavy-Duty Bow Shank
10.	1106614	Heavy-Duty Bow Bracket
11.	1701098	Lynch Pin - 5/16" x 1-3/4"
12.	1700990	Shock Cord - 18"
13.	1701355	Rope Anchor
14.	1701059	Self-Tapping Screw - 5/16" x 1"
15.	1700419	Nylon Lock Nut - 5/16"
16.	1700581	Aluminum Flat Bar - 103"
17.	*	Fabric Insert Only
	*	Square Back - 96"
	*	Square Back - 102"
18.	*	Fabric Flap Insert Only
	*	Dump Flap - 96"
	*	Dump Flap - 102"

*Specify size



**BOWS - STANDARD STEEL**

Item	Part #	Description
	1111781	Standard Flat Bow Kit - 96" to 102"
	1100766	Standard Low-Rise Bow Kit - 93" to 102"
	1100768	Standard High-Rise Bow Kit - 96" to 102"
	1120353	Stainless Low-Rise Bow Kit - 93" to 102"
	1120356	Stainless High-Rise Bow Kit - 96" to 102"
	1109139	Standard Low-Rise Bow Kit - Universal
	1109091	Standard High-Rise Bow Kit - Universal
1.	1100760	Standard Low-Rise Bow - 93" to 102"
	1119765	Stainless Low-Rise Bow - 93" to 102"
2.	1100762	Standard High-Rise Bow - 96" to 102"
	1120290	Stainless High-Rise Bow - 96" to 102"
3.	1109149	Standard Flat Bow - 89" to 102"
4.	1100695	Standard Low-Rise Bow Shank
	1119766	Stainless Low-Rise Bow Shank
5.	1106925	Standard High-Rise Bow Shank
	1116754	Stainless High-Rise Bow Shank
6.	1109150	Standard Flat Bow Shank
7.	1120836	Single Bow Bracket
	1120975	Stainless Single Bow Bracket
8.	1700400	Self-Tapping Screw - 3/8" x 1"
9.	1703579	Stainless Cap Screw - 3/8" x 1"
10.	1700434	Lock Washer - 3/8"
	1703576	Stainless Lock Washer - 3/8"
11.	1703577	Stainless Flat Washer - 3/8"
12.	1700407	Hex Nut - 3/8"
	1200999	Stainless Steel 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.	1104706	Heavy-Duty Bow Shank
2.	1112669	Heavy-Duty Flat Bow
3.	1106612	Heavy-Duty Low-Rise Bow
	1101927	Heavy-Duty High-Rise Bow
4.	1106614	Heavy-Duty Bow Bracket
5.	1701098	Lynch Pin - 5/16" x 1-3/4"
6.	1104123	Heavy-Duty Bow Pin
7.	1700400	Self-Tapping Screw - 3/8" x 1"
8.	1700434	Lock Washer - 3/8"
9.	1700407	Hex Nut - 3/8"

BOWS - DURABOW™

Item	Part #	Description
	1123544	Durabow™ 97" Bow Kit - Steel Bracket
	1123541	Durabow™ 102" Bow Kit - Steel Bracket
	1123545	Durabow™ 97" Bow Kit - Aluminum Bracket
	1123542	Durabow™ 102" Bow Kit - Aluminum Bracket
1.	1111335	Durabow™ Bow Sock
	1704046	Diamondback Durabow™ Bow Sock (per foot)
2.	1700400	Self-Tapping Screw - 3/8" x 1"
3.	1705128	Durabow™ - 97"
	1705129	Durabow™ - 102"
4.	1122932	Steel Durabow™ Bracket
5.	1705324	Aluminum Durabow™ Bracket

BOWS - ALUMINUM

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

*Specify size

ADJUSTABLE BOWS

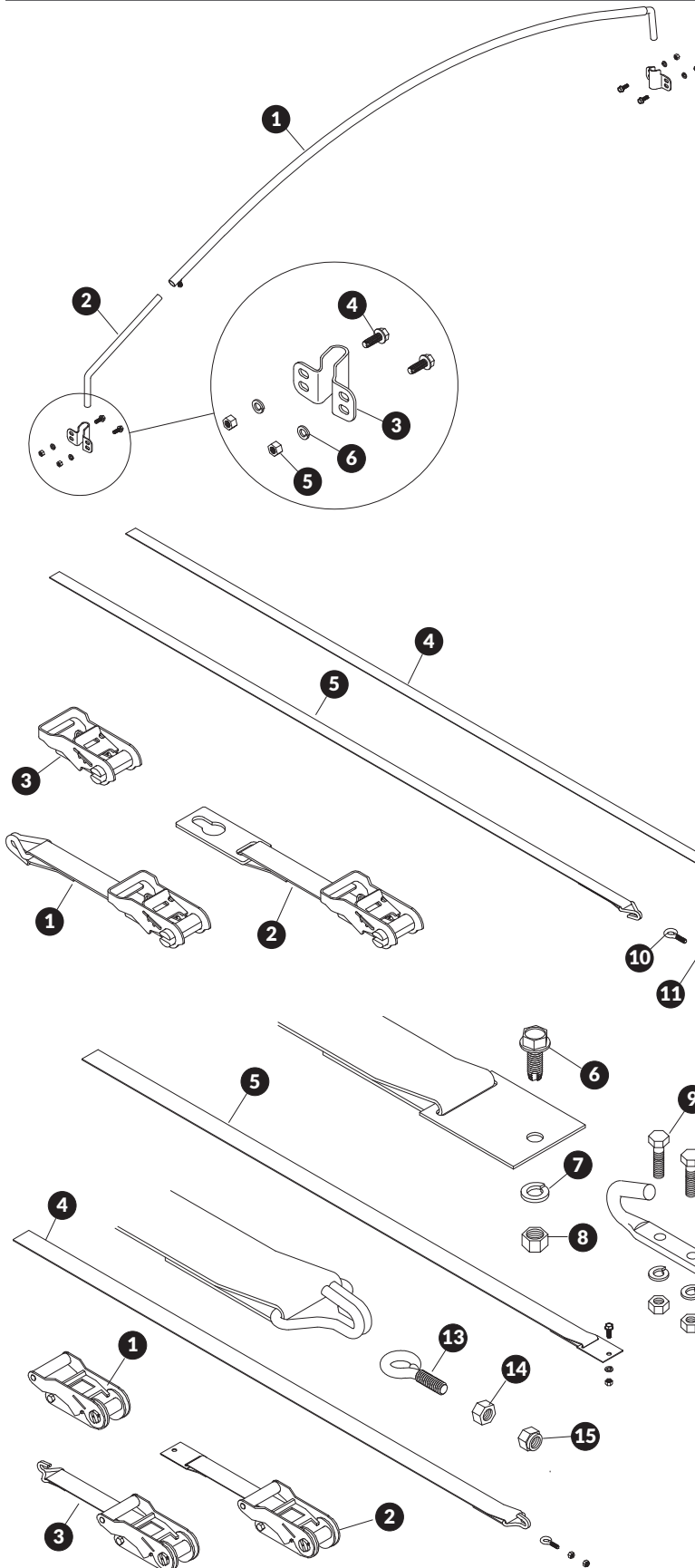
Item	Part #	Description
1.	1122759	Adjustable Bow - 8" Rise - 84" to 92"
	1122627	Adjustable Bow - 10" Rise - 84" to 92"
	1122818	Adjustable Bow - 8" Rise - 93" to 101"
	1122819	Adjustable Bow - 10" Rise - 93" to 101"
	1122820	Adjustable Bow - 12" Rise - 93" to 101"
2.	1122821	Adjustable Bow Shank - 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'
	1120048	Ridge Strap Kit w/Hook - 1" x 25'
	1120454	Ridge Strap Kit w/Hook - 1" x 56'
1.	1106153	Ratchet w/1" Ridge Strap/Hook
2.	1101678	Ratchet w/1" Ridge Strap/Anchor
3.	1700836	Ratchet - 1" Ridge Strap
4.	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'
5.	1150222	Ridge Strap w/Hook - 1" x 25'
	1101835	Ridge Strap w/Hook - 1" x 46'
	1116163	Ridge Strap w/Hook - 1" x 56'
6.	1700400	Self-Tapping Screw - 3/8" x 1"
7.	1101683	Anchor Bushing
8.	1701176	Flat Washer - 3/8"
9.	1700418	Centerlock Nut - 3/8"
10.	1700717	Eyebolt Anchor - 5/16"
11.	1700411	Hex Nut - 5/16"
12.	1700419	Nylon Lock Nut - 5/16"

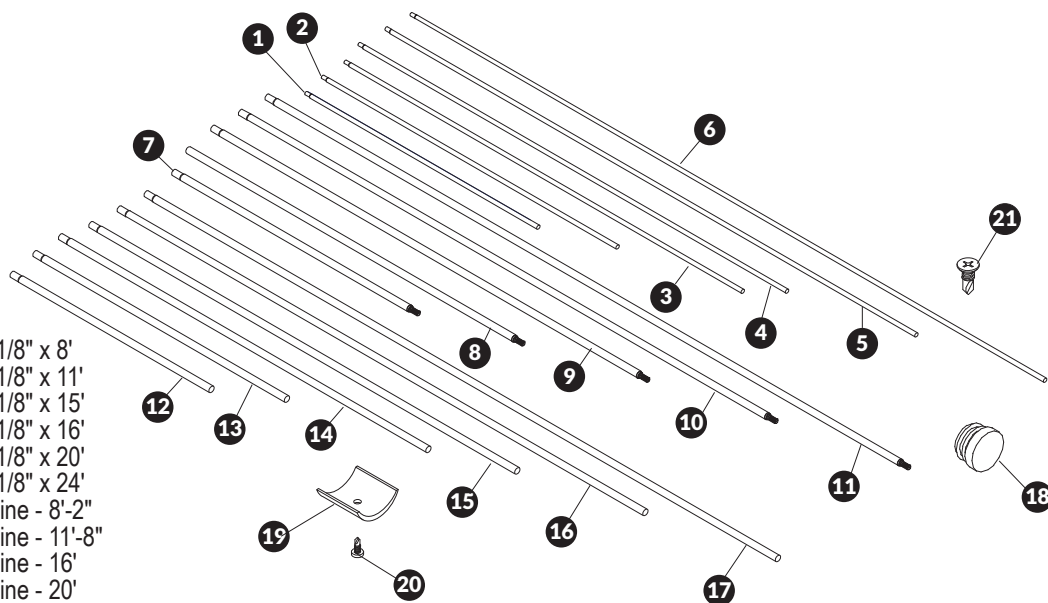
RIDGE STRAPS - 2-INCH

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.	1700519	Ratchet - 2" Web
2.	1100594	Ratchet w/2" Ridge Strap/Anchor
3.	1111818	Ratchet w/2" Ridge Strap/Hook
4.	1111817	Ridge Strap w/Hook - 2" x 46'
5.	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'
6.	1700400	Self-Tapping Screw - 3/8" x 1"
7.	1700434	Lock Washer - 3/8"
8.	1700407	Hex Nut - 3/8"
9.	1700381	Cap Screw - 1/4" x 1"
10.	1700682	Box Hook - 5/16" Holes
11.	1700436	Lock Washer - 1/4"
12.	1700408	Hex Nut - 1/4"
13.	1700717	Eyebolt Anchor - 5/16"
14.	1700411	Hex Nut - 5/16"
15.	1700419	Nylon Lock Nut - 5/16"



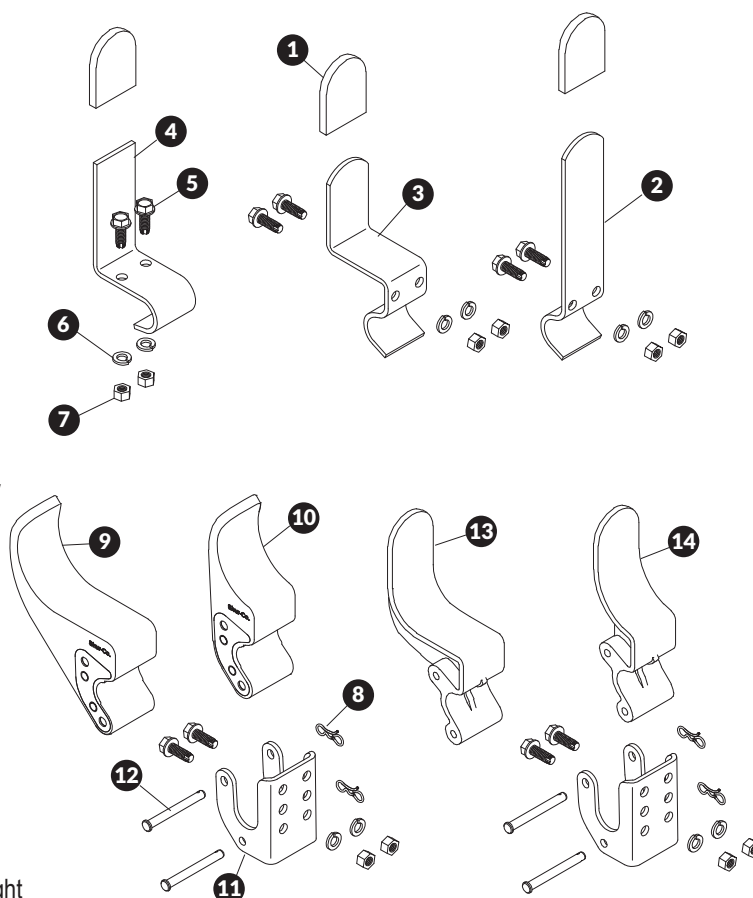
TARP TUBES

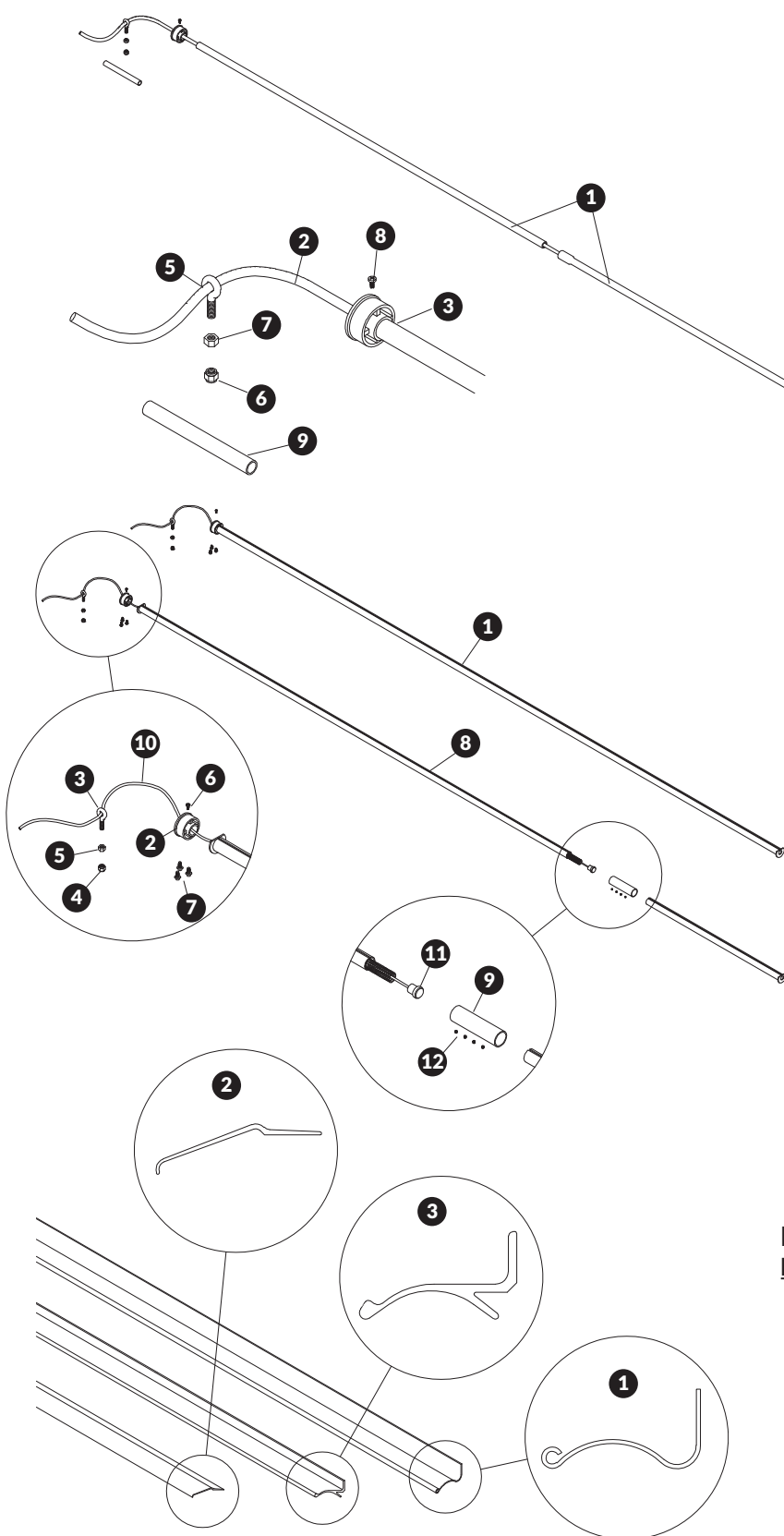
Item	Part #	Description
1.	1706156	Fixed Tube - 1-1/8" x 8'
2.	1706155	Fixed Tube - 1-1/8" x 11'
3.	1706154	Fixed Tube - 1-1/8" x 15'
4.	1700051	Fixed Tube - 1-1/8" x 16'
5.	1700049	Fixed Tube - 1-1/8" x 20'
6.	1701428	Fixed Tube - 1-1/8" x 24'
7.	1128148	Roll Tube w/Spline - 8'-2"
8.	1128147	Roll Tube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



TARP STOPS

Item	Part #	Description
	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 - 1-3/8"
9.	1115217	Easy-Off Flexible 6" Offset Tarp Stop Upright w/Embedded Safety Plate
10.	1115216	Easy-Off Flexible Tarp Stop Upright w/Embedded Safety Plate
11.	1100833	Easy-Off Tarp Stop Body
12.	1703604	Clevis Pin - 5/16" x 2-7/8"
13.	1705454	Easy-Off Alum. (Cast) 6" Offset Tarp Stop Upright
14.	1705775	Easy-Off Aluminum (Cast) Tarp Stop Upright





RETURNS - STRETCH CORD

Item	Part #	Description
	1114359	Front Stretch Cord Roll Return Kit
1.	1111067	Roll Return Tube Set - 2 Pc.
2.	1114360	Roll Return Stretch Cord - 11-1/2'
	1114362	Roll Return Stretch Cord - 16-1/2'
	1703335	Roll Return Stretch Cord - 300'
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	Nut - 5/16"
8.	1704743	Self-Drilling Screw - #10 x 1/2"
9.	1107680	Protective Stretch Cord Cover

RETURNS - SHUR-RETURN™

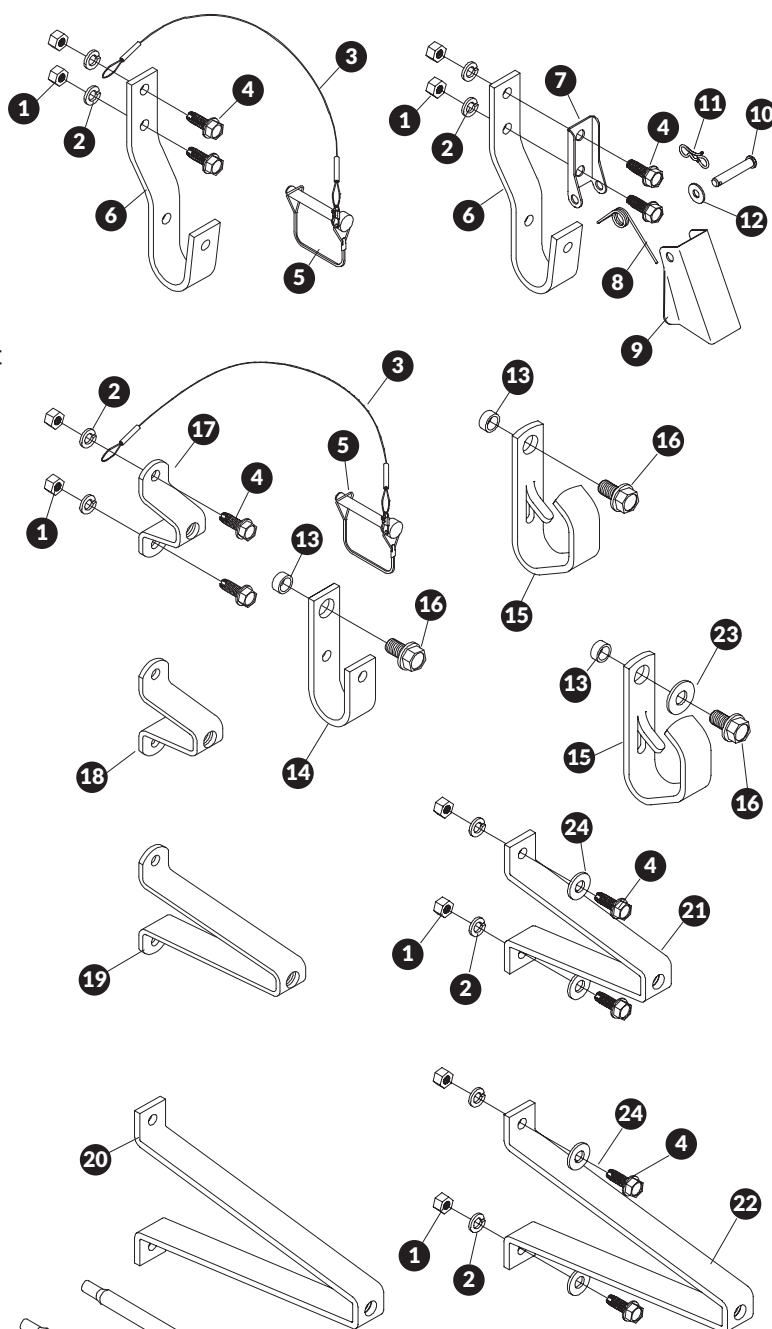
Item	Part #	Description
	1100824	Shur-Return™ Kit
	1107881	UPS-able Shur-Return™ Kit
1.	1100832	Tube Assembly
2.	1100138	Nylon End Plug
3.	1700717	Eyebolt Anchor - 5/16"
4.	1700419	Nylon Lock Nut - 5/16"
5.	1700411	Hex Nut - 5/16"
6.	1704743	Self-Drilling Screw - #10 x 1/2"
7.	1700736	Self-Tapping Screw - 1/4" x 1/2"
8.	1107880	UPS-able Shur-Return™ Assembly
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

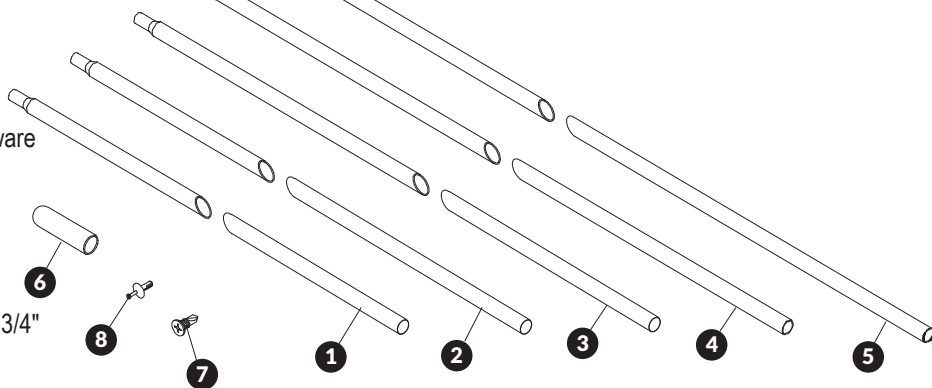
Item	Part #	Description
1.	1701546	Galvanized Side-Mount Latchplate - 4'
	1113005	Galvanized Side-Mount Latchplate - 6'
	1701547	Galvanized Side-Mount Latchplate - 8'
2.	1100370	Aluminum Top-Mount Latchplate - 4'
	1100369	Aluminum Top-Mount Latchplate - 6'
	1100368	Aluminum Top-Mount Latchplate - 8'
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 Conversion Kit
	1101929	Offset Crank Retainer Kit
	1114603	Offset Pinless Crank Retainer Kit
	1114602	Offset Pinless Crank Retainer Conversion Kit
	1115515	Stainless Pinless Crank Retainer Kit w/7" Standoff
	1115516	Stainless Pinless Crank Retainer Kit w/11" Standoff
1.	1700407	Nut - 3/8"
	1200999	Stainless 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 - 3/8" x 2-1/2"
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 - 7"
22.	1115513	Stainless Crank Retainer Standoff - 11"
23.	1703620	Stainless Flat Washer - 1/2"
24.	1703577	Stainless Flat Washer - 3/8"

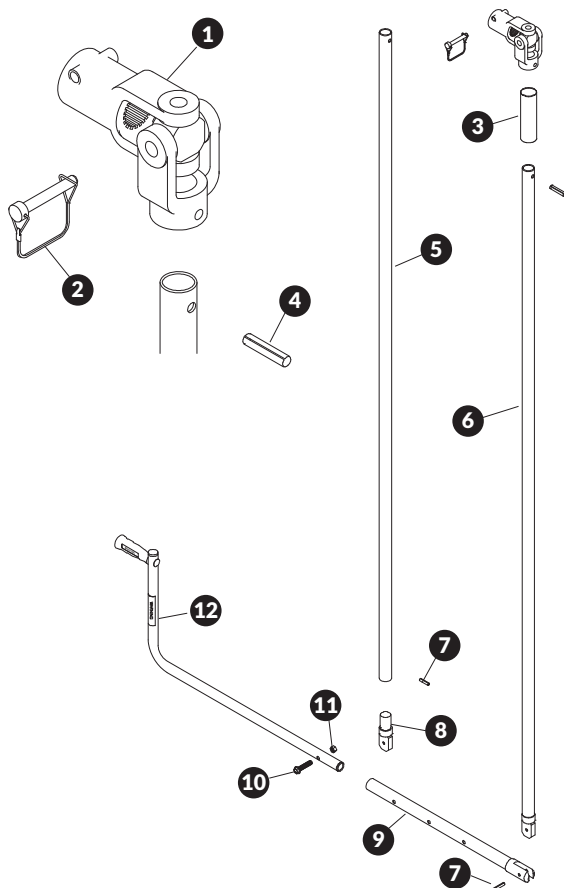
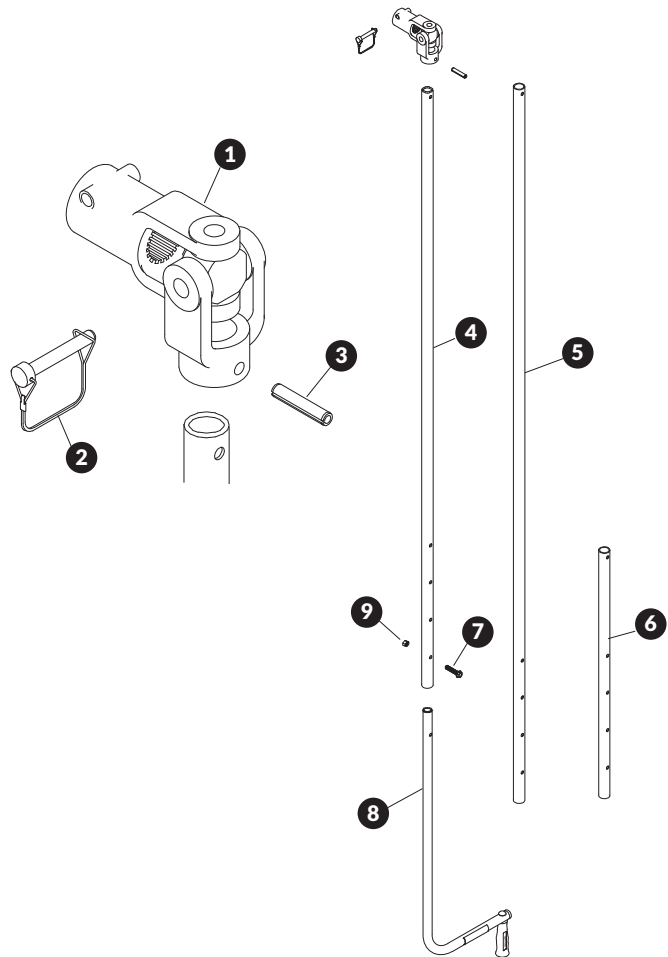
**RIDGEPOLES**

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"
	1115524	Stainless Std. Crank Arm - 24"
9.	1700418	Centerlock Nut - 3/8"



CRANKS - SHUR-FLEX™

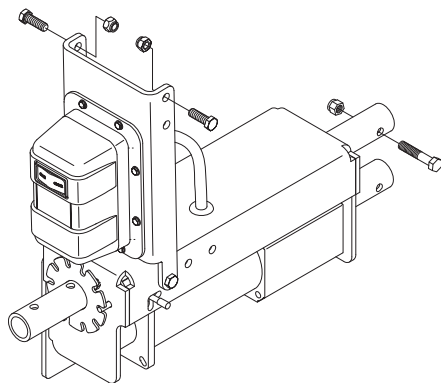
Item	Part #	Description
	1101931	Shur-Flex™ Crank Arm Kit - 40" Upper Extension
	1107918	Shur-Flex™ Crank Arm Kit - 54" Upper Extension
	1105176	Shur-Flex™ Crank Arm Kit - 96" Upper Extension
	1102782	Shur-Flex™ Universal Crank Arm Kit - 96" Extension
1.	1701243	Splined U-Joint
2.	1700526	Wire Lock Pin
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
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"

ELECTRIC OPTIONS

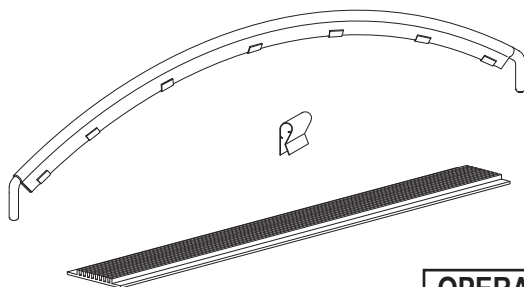
Ask about our electric options. Shorten your load/unload time while increasing your driving time and safety. Operate your system from inside the cab.

PROTRAP® HOPPER DOOR OPENER

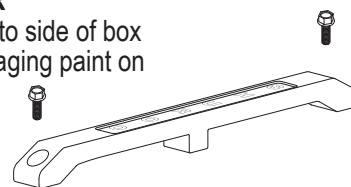
The cleaner, faster way to unload grain! Hopper doors open while the operator stands back out of the dust. When the grain is unloaded, another push of the button closes the hopper and you're ready to go.

**BOW COVER**

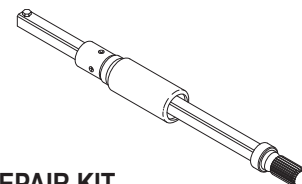
Vinyl-coated bow covers wrap around bows to reduce tarp wear and grain splatter, prevent rust and reduce "black mark transfer."

**ROLL TUBE DEFLECTOR**

Fasten roll tube deflectors to side of box to keep roll tube from damaging paint on sides of trailer.

**WIL-SLIP™ JOINT**

Pull-out crank assembly bypasses hinges and rear doors. Ideal for open-top vans, Convertahoppers, belted floor trailers and "barn door" trailers.

**PROFESSIONAL TARP REPAIR KIT**

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

**STANDARD TARP REPAIR KIT**

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

**TARP OPTIONS**

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

OPERATION & MAINTENANCE**MAINTENANCE SCHEDULE****Every 2-4 weeks:**

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

OPERATING INSTRUCTIONS**To uncover load:**

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

To cover load:

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

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

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

OPERATING SAFETY INSTRUCTIONS

1. Keep body and clothing clear of moving parts.
2. Hold crank firmly with both hands while opening and closing tarp.
3. Keep 40 to 60 lb. 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. Do not drive vehicle at highway speeds with tarp open.

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