



TARPING SYSTEMS & ACCESSORIES

P/N 1118584 Rev. N

OWNER'S MANUAL



Grain Cart

READ BEFORE INSTALLING

PO BOX 713 ■ 2309 SHUR-LOK STREET ■ YANKTON, SD 57078-0713
PHONE 1-800-4-SHUR-LOK (1-800-474-8756) ■ FAX 605-665-0501
www.shurco.com

SHOP ONLINE: www.shopshurco.com

SHIPPING. Orders are shipped F.O.B. from the Shur-Co®, LLC sites listed below. No full freight is allowed or prepaid shipment accepted unless quoted and approved in writing prior to acceptance of the order. All shipments are made by the most reasonable means in accordance with size and weight of order, unless specified routing instructions are furnished by the customer. Shipments are made daily via U.P.S. and common carrier. Claims for shortages must be made within 10 days. All claims for damages or loss in transit must be made with the carrier. No collect calls will be accepted. To ensure delivery of orders, we need your full street address and phone number. When you receive your shipment, examine it carefully. Be sure all cartons listed on the delivery sheet are accounted for. Large items may be packaged separately. If a carton is damaged, open it and inspect the contents before signing for delivery. If merchandise is damaged, describe damage on the delivery receipt. Failure on your part to document damaged or missing merchandise on the delivery receipt releases the carrier of all liability; repair or replacement will be the customer's responsibility.

WARRANTY. We warrant all new products are free of defects in materials and workmanship.* This warranty is effective if products are properly installed and used for the purpose for which they were intended and applies to the original buyer only. Except as set forth above or in any product-specific warranty documentation, we make no other warranties, express or implied, including but not limited to warranties of merchantability of fitness for a particular use.

Returns of a product for warranty must be accompanied by a Return Merchandise Authorization number (RMA#), obtained by calling Customer Service at 866-748-7435, and sent, with freight paid by us, to Shur-Co®, LLC, 2309 Shur-Lok St., PO Box 713, Yankton, SD 57078. All products returned without an RMA# will be refused. When we issue the RMA#, we will also issue a call tag to have UPS (or other freight company) pick up the product. C.O.D. returns not accepted. We will pay no storage fees for a warranty product return prior to pick by us or the freight company. If a warranty product return is scheduled to be picked up by us, we will pick up the product at our earliest convenience.

If a product returned is found, in our judgement, to be defective in material or workmanship, our obligation under this warranty is limited to the repair or replacement of the product, which will be made by us. Repair or replacement will be at our discretion, with replacements being made using current products performing in the equivalent function. Labor charges, other than those incurred at our factory, including, but not limited to, any labor to install a repaired or replacement product, are not covered under this warranty. All expenses associated with delivering defective products to our factory and delivering repaired or replacement products from our factory to the owner will be paid by us.

If the product returned is found, in our judgement, to be non-warrantable, the owner will be contacted to authorize repair work, purchase of a replacement product or return of the product, all of which will be at the owner's expense. Payment authorization must be received by us before any non-warrantable product is repaired, replaced or returned. All expenses associated with delivering the repaired non-warrantable product, a replacement product or the non-warrantable product from our factory to the owner will be paid by the owner.

In no event will we be liable for any damages of any kind to person, product or property, including but not limited to indirect, incidental, special, consequential or punitive damages, or damages for loss of profits or revenue, even if we have been advised of the possibility of such damages. There are no warranties for used products or products that have been repaired, altered, modified or subjected to misuse, negligence or accident. We will not repair or replace products that fail or malfunction due to ordinary wear and tear, except as expressly noted in a product-specific warranty. Use of non-Shur-Co®, LLC parts in conjunction with Shur-Co®, LLC products will void this product warranty.

*Certain products have specific warranties that differ from this warranty, for example motors and electronics. Product-specific warranty documentation is available for these items. In the event of a conflict between this warranty and a product-specific warranty, the product-specific warranty will govern.

RETURN POLICY. All sales final. See WARRANTY above for return details.

OTHER. All prices, product listings, sizes, weights and manufacturing details are subject to change without notice. No person is authorized to modify the foregoing conditions of sale whatsoever.

SHUR-CO®, LLC SERVICE AND DISTRIBUTION CENTERS

Corporate HQ and Outlet Store

SHUR-CO® of SOUTH DAKOTA
2309 Shur-Lok St., PO Box 713
Yankton, SD 57078-0713
Ph 800.474.8756 | Fax 605.665.0501

ShurTite™ Service Centers

SHUR-CO® of CANADA
490 Elgin St., Unit #1
Brantford, Ontario N3S 7P8
Ph 800.265.0823 | Fax 519.751.3997

SHUR-CO® of SIOUX FALLS
47184 258th St., Suite B
Sioux Falls, SD 57107
Ph 844.573.9322 | Fax 605.543.5469

SHUR-CO® of ILLINOIS
Ph 866.356.0246 | Fax 217.877.8270

SHUR-CO® of OHIO
Ph 866.356.0242 | Fax 330.297.5599

SHUR-CO® of COLORADO
10220 Brighton Rd., Unit #1
Henderson, CO 80640
Ph 866.355.9173 | Fax 303.289.2298

SHUR-CO® of FLORIDA
3353 SE Gran Park Way
Stuart, FL 34997
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Ph 866.356.0246 | Fax 217.877.8270

SHUR-CO® of IOWA
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Ft. Dodge, IA 50501
Ph 866.356.0245 | Fax 515.576.5578

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Lexington, MI 48450
Ph 800.327.8287 | Fax 772.287.0431

SHUR-CO® of NORTH DAKOTA
1746 4th Ave. NW
West Fargo, ND 58078
Ph 877.868.4488 | Fax 701.277.1283

SHUR-CO® of OHIO
1100 N. Freedom, St. Rt. 88 & 14
Ravenna, OH 44266
Ph 866.356.0242 | Fax 330.297.5599


SHUR-CO® of TEXAS
34505 I-10 West, S. Frontage Rd.
Brookshire, TX 77423
Ph 866.689.0039 | Fax 281.934.3311

SHUR-CO® UK, Ltd.
Unit 41 Rochester Airport Estates
Laker Rd., Rochester, Kent ME1 3QX
Ph +44 (0)1795.473499
Fax +44 (0)871.272.8278

For more info, log on to our website:
www.shurco.com

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. Repair or replace worn or damaged parts to your system.

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.**
- 2. Keep body and clothing clear of moving parts.**
- 3. Use only OSHA-approved ladders or scaffolding during installation process.**
- 4. No other use of this system is authorized except as designed.**

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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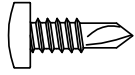
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TOOLS REQUIRED

- 1. Grinder
- 2. #3 Phillips Insert Bit or #3 Phillips Screw Driver
- 3. Air or Electric Wrench 9/16" Socket
- 4. 1/2" Combination Wrench
- 5. 9/16" Combination Wrench
- 6. 3/4" Comb. Wrench or 3/4" Socket & Socket Wrench
- 7. 1/2" Socket & Socket Wrench
- 8. Electric Drill
- 9. 3/16" Drill Bit
- 10. 11/16" Drill Bit
- 11. 5/16" Drill Bit (for 3/8" self-tapping screws)
- 12. 3/8" Drill Bit (for 3/8" cap screws)
- 13. 13/32" Drill Bit
- 14. Tape Measure
- 15. Pencil
- 16. Clamps
- 17. Band Saw or Hack Saw
- 18. Hammer
- 19. Pop Rivet Gun

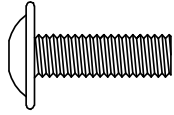
Optional
Hot Knife, Spray Paint, Caulk, Rubber Sealant or Welder

A



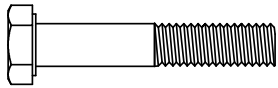
1700398 - Self-Drilling Screw - 1/4" x 3/4"

B



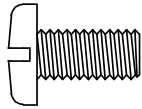
1704441 - Flange Hd. Screw - 5/16" x 1"

C



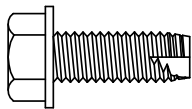
1701468 - Cap Screw - 5/16" x 1 3/4"

D



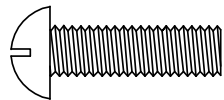
1705260 - Pan Hd. Screw - 3/8" x 3/4"

E



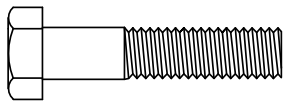
1700400 - Self-Tapping Screw - 3/8" x 1"

F



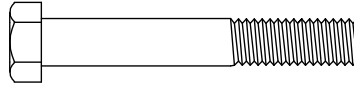
1703964 - Truss Hd. Screw - 3/8" x 1 1/4"

G



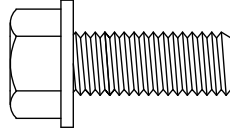
1700369 - Cap Screw - 3/8" x 1 3/4"

H



1702573 - Cap Screw - 3/8" x 2 1/2"

J



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

K



1700411 - Hex Nut - 5/16"

L



1702492 - Top Lock Nut - 5/16"

M



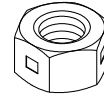
1700419 - Nylon Lock Nut - 5/16"

N



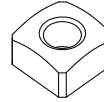
1700407 - Hex Nut - 3/8"

P



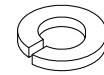
1700418 - Centerlock Nut - 3/8"

Q



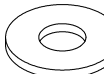
1705261 - Square Nut - 3/8"

R



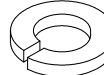
1700433 - Lock Washer - 5/16"

S



1700428 - Flat Washer - 5/16"

T



1700434 - Lock Washer - 3/8"

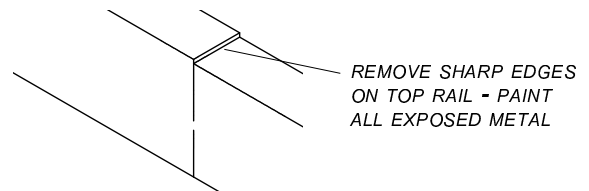
NOTE: Wherever screws **A** are shown with lock washers **S** and nuts **M**, use washers and nuts if possible and drill 13/32" holes. Screws **A** used without washers and nuts require wall thickness of 3/16" or more. Drill 5/16" holes.

TARP INSPECTION

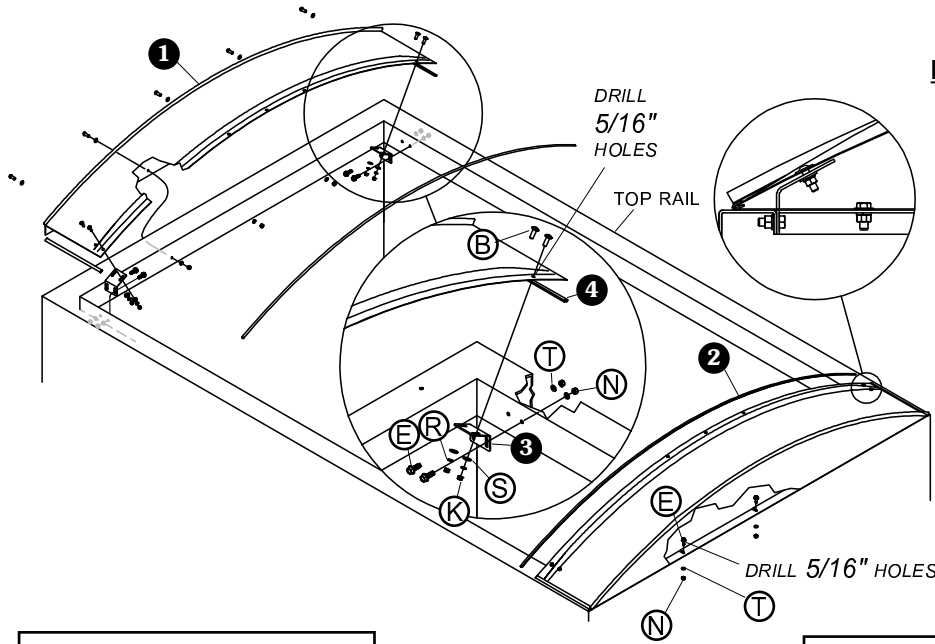
Measure tarp. Determine tarp length and width with slight tension applied. Compare with length and width stated on sheet attached to tarp. If tarp length and width do not match what is on sheet, do not proceed. Call your local dealer, or call Shur-Co® Customer Service at 1-866-748-7435.

BOX PREPARATION

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

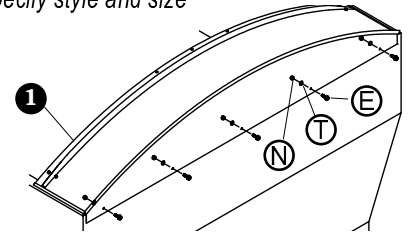


CAUTION
Box extensions (tip tops), if used, must be secured to truck box. System could blow off if box extensions are not secured to box.



Item	Part #	Description
1.	*	Galv. Face Mt. Cap - 10" Rise
2.	*	Galv. Top Mount Cap - 10" Rise
3.	1118189	End Cap Bracket - High-Rise - Face Mount
4.	1118596	Edge Trim - 30"
B.	1704441	Flange Screw - 5/16" x 1"
E.	1700400	Self-Tapping Screw - 3/8" x 1"
K.	1700411	Hex Nut - 5/16"
N.	1700407	Hex Nut - 3/8"
R.	1700433	Lock Washer - 5/16"
S.	1700428	Flat Washer - 5/16"
T.	1700434	Lock Washer - 3/8"

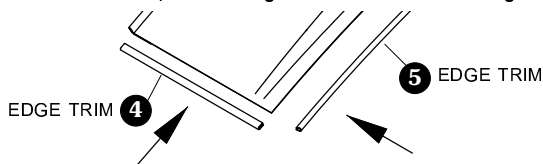
*Specify style and size



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

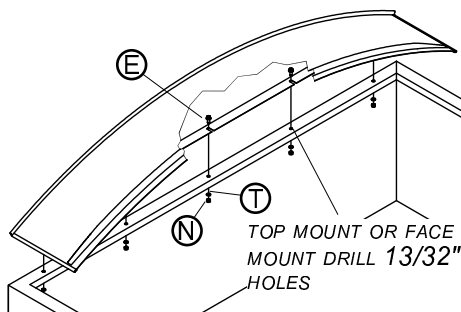
TIP: Apply bead of caulk or rubber seal where cap meets top rail to improve watertightness of end caps.

STEP 1: Apply edge trim to end caps, placing edge trim 4 on sides of caps and edge trim 5 on inside edges.

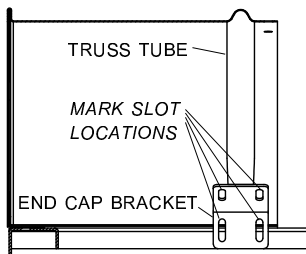


STEP 2: Center caps on box. Mark 5 evenly spaced hole locations on top rail/box and caps. Drill 13/32" holes and fasten end caps to top rail with screws E, lock washers T and nuts N.

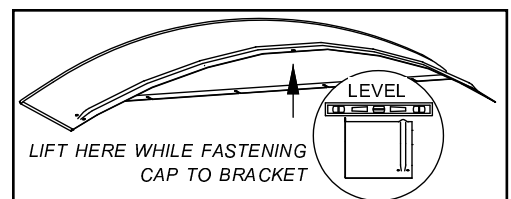
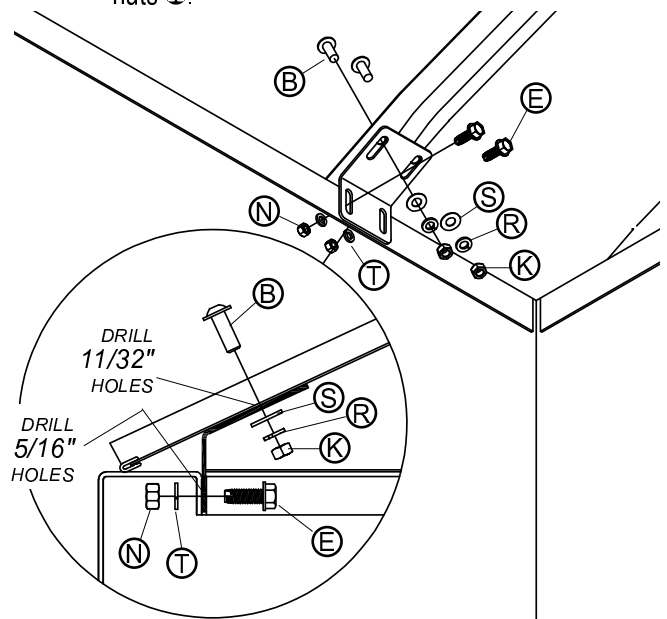
TIP: If cap has mounting slots, loosely fasten screws and nuts into top rail. Slide cap into place, then tighten screws.

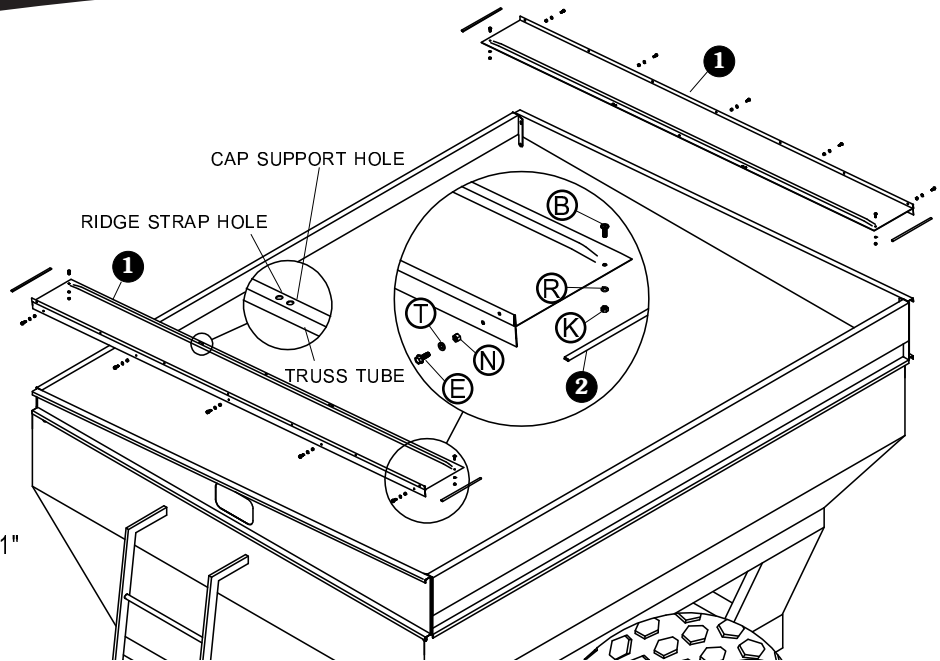


STEP 3: Center end cap brackets under truss tube. Mark locations of slotted holes on box and end caps.



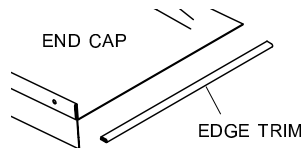
STEP 4: Drill 5/16" holes at marked locations on box. Fasten bracket to box with screws B, washers T and nuts N. Drill 11/32" holes and fasten bracket to end cap with screws B, flat washers S, lock washers R and nuts K.



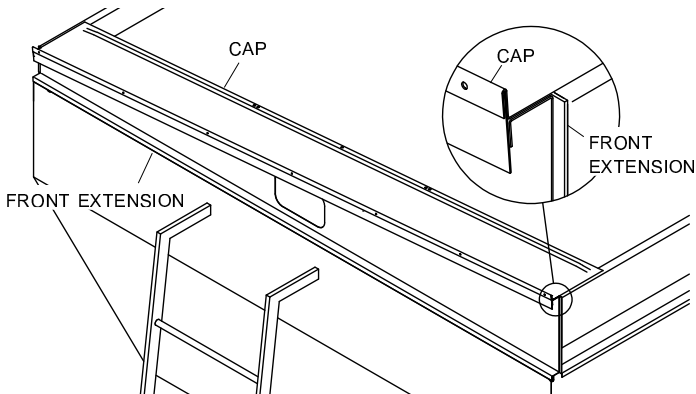


Item	Part #	Description
1.	1119743	Galvanized Flat Cap - 143"
	1119747	Galvanized Flat Cap - 131"
2.	1118596	Edge Trim - 30"
B.	1704441	Flange Button Hd. Screw - 5/16" x 1"
E.	1700400	Self-Tapping Screw - 3/8" x 1"
K.	1700411	Hex Nut - 5/16"
N.	1700407	Hex Nut - 3/8"
R.	1700433	Lock Washer - 5/16"
T.	1700434	Lock Washer - 3/8"

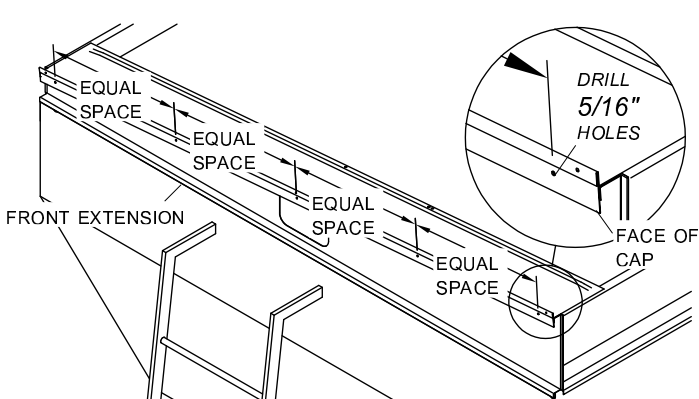
STEP 1: Place edge trim on sides of end caps.



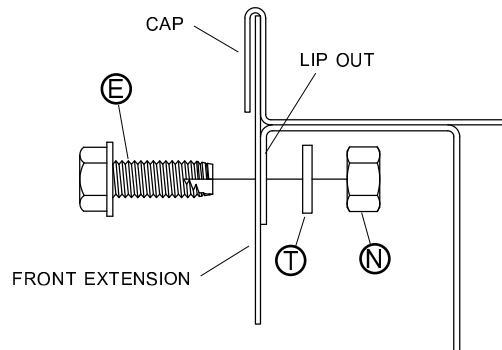
STEP 2: Center cap on front extension and clamp into position.



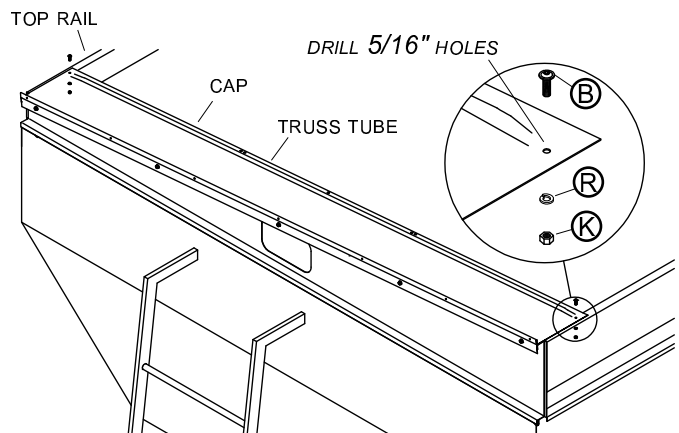
STEP 3: Drill 5 equally spaced 5/16" holes through face of cap and front extension.

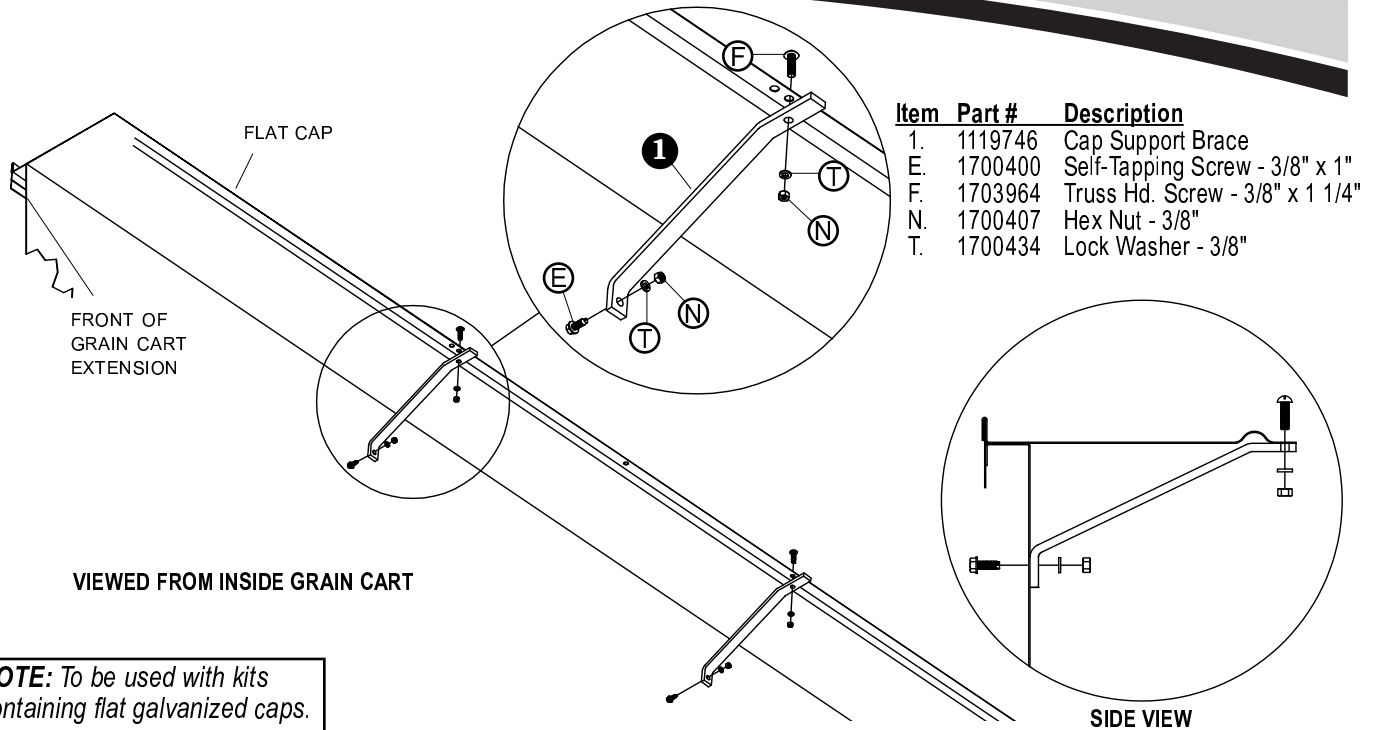


STEP 4: Fasten cap to front extension with screws **E**, washers **T** and nuts **N**.



STEP 5: Mark and drill 5/16" holes through corners of cap and top rails, aligning holes with truss tube as shown. Fasten corners of cap to side rails with 5/16" cap screws **B**, washers **R** and nuts **K**.

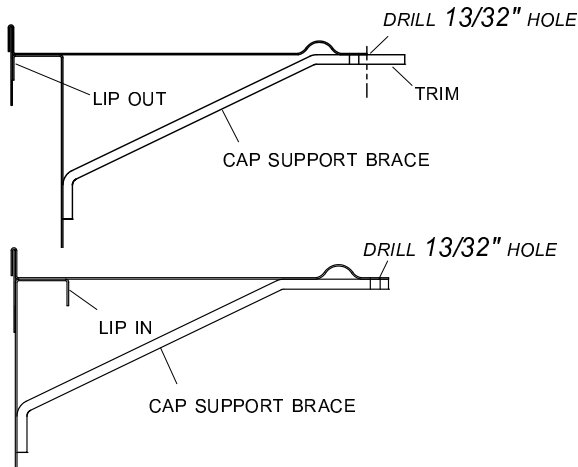




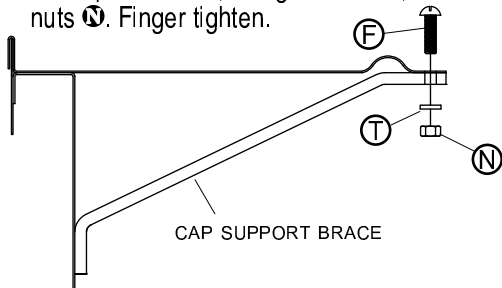
Item	Part #	Description
1.	1119746	Cap Support Brace
E.	1700400	Self-Tapping Screw - 3/8" x 1"
F.	1703964	Truss Hd. Screw - 3/8" x 1 1/4"
N.	1700407	Hex Nut - 3/8"
T.	1700434	Lock Washer - 3/8"

NOTE: To be used with kits containing flat galvanized caps.

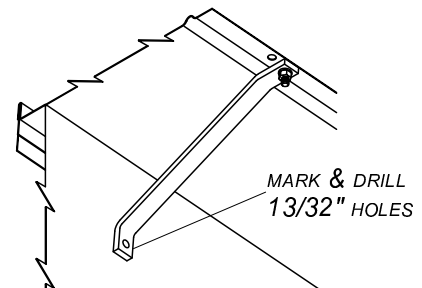
STEP 1: Align cap support braces with inside holes on edge of end cap, positioning braces as shown. Using holes in end cap as guide, drill 13/32" holes through braces. On lip-out extensions, trim braces flush with edge of cap.



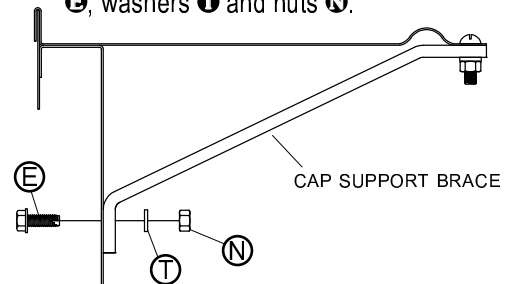
STEP 2: Fasten cap support braces into pre-drilled holes in flat cap as shown, using screws (E), washers (T) and nuts (N). Finger tighten.



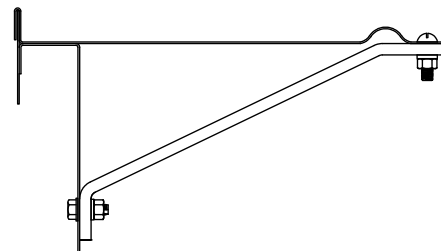
STEP 3: Mark and drill 13/32" holes in extension using cap support brace as guide.



STEP 4: Fasten cap support braces to grain cart using screws (E), washers (T) and nuts (N).

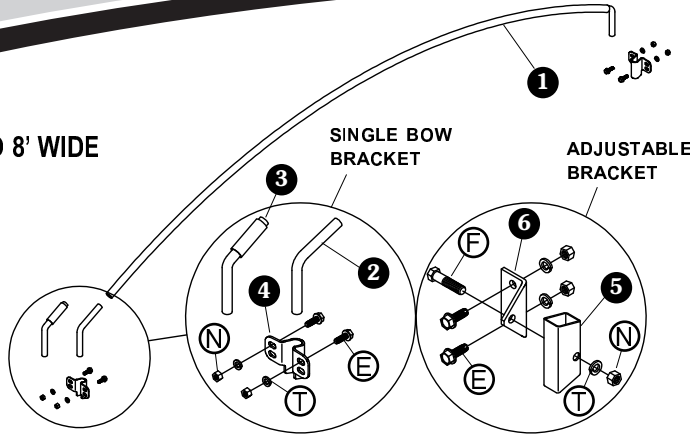


STEP 5: Secure all fasteners.



BOXES UP TO 8' WIDE

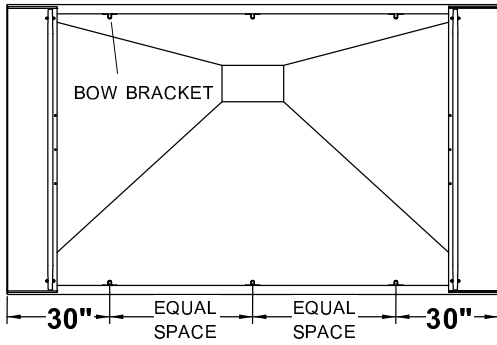
NOTE: Refer to note under Hardware Identification on page 1 for drill size.



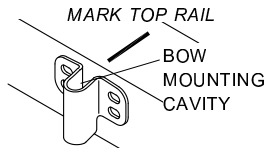
Item	Part #	Description
1.	1117905	Std. High-Rise Bow - 89" to 95"
	1100762	Std. High-Rise Bow - 96" to 102"
	*	X-Wide High-Rise Bow
2.	1106925	Std. High-Rise Bow Shank
3.	*	X-Wide High-Rise Bow Shank
4.	1120836	Single Bow Bracket
5.	1111420	Bow Shank Sleeve
6.	1111421	Adjustable Bow Bracket
E.	1700400	Self-Tapping Screw - 3/8" x 1"
F.	1703964	Cap Screw - 3/8" x 1 3/4"
T.	1700434	Lock Washer - 3/8"
N.	1700407	Hex Nut - 3/8"

*Specify style and size

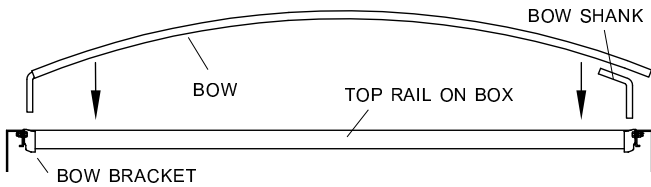
STEP 1: Mark bow bracket locations on top rails as shown.



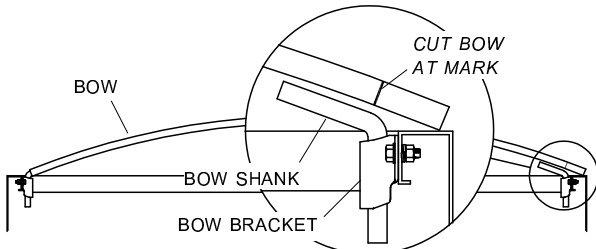
STEP 2: Align center of brackets with mark. Clamp brackets to rails.



STEP 3: Place bow into bow bracket. Place loose bow shank in opposite bow bracket.

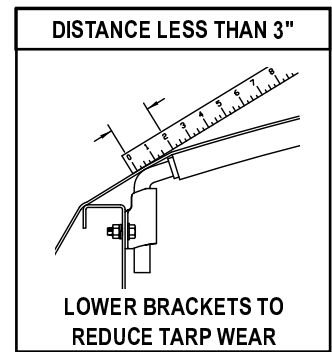
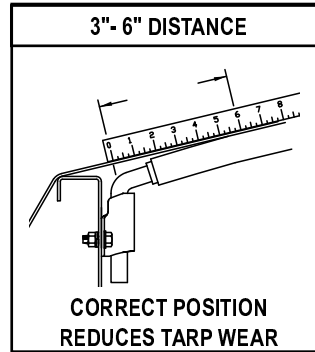


STEP 4: Align bow with bow shank. Mark and cut bow at point where bend starts on shank. Grind edges and install finished bows into bow brackets.

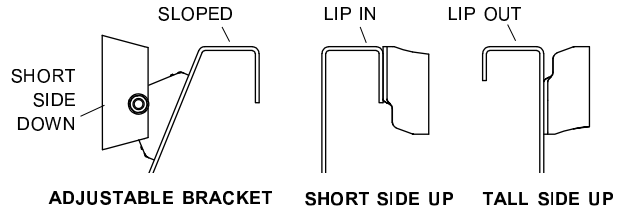


NOTE: Shur-Co® recommends welding shank to bow.

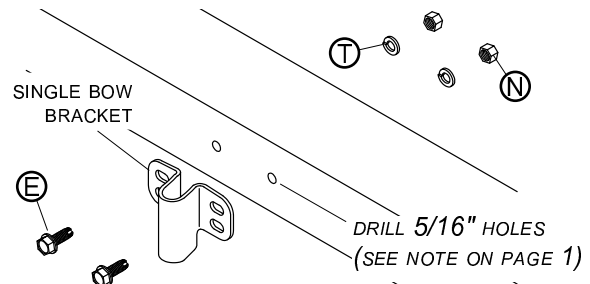
STEP 5: Adjust bow brackets vertically to create distance of 3" to 6" between bend in bow shank and point where tarp will contact bow.

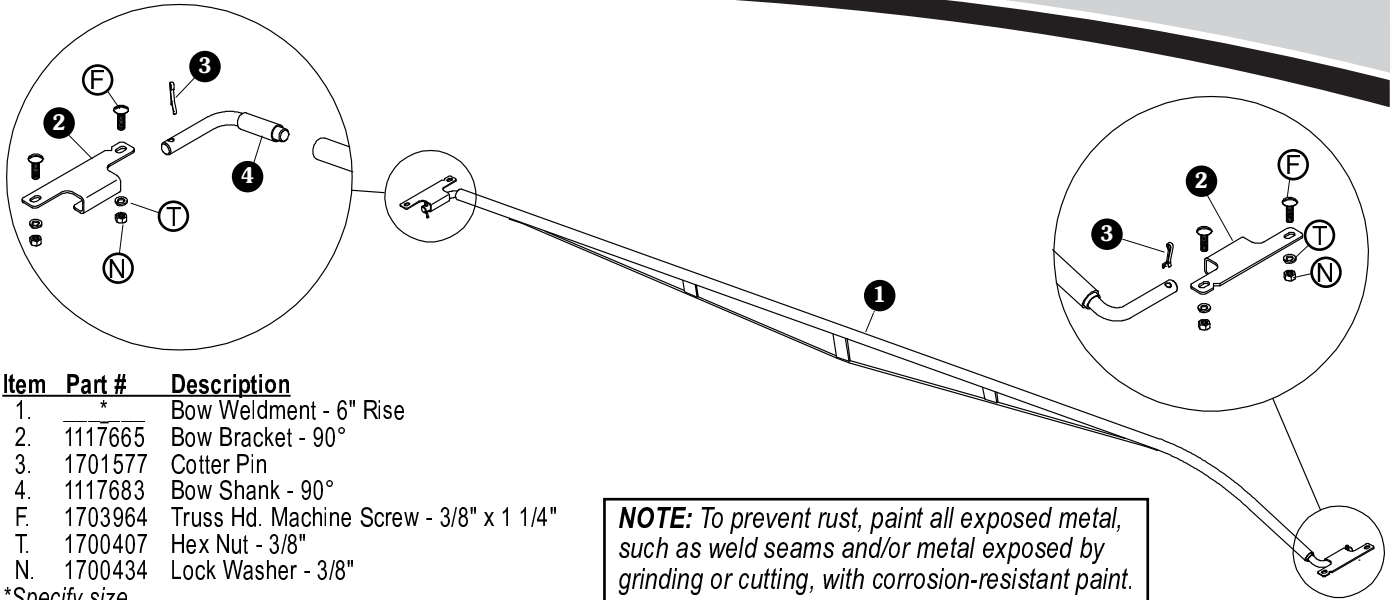


STEP 6: Position single bow brackets according to step 6 with short side up for lip-in boxes or tall side up for lip-out boxes. If using adjustable bow bracket for grain carts with sloped side rails, position short side down.



STEP 7: Mark and drill 5/16" holes, then mount brackets with screws (E), washers (T) and nuts (N).

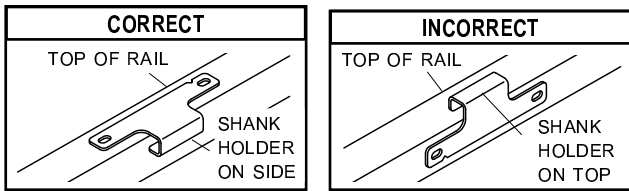
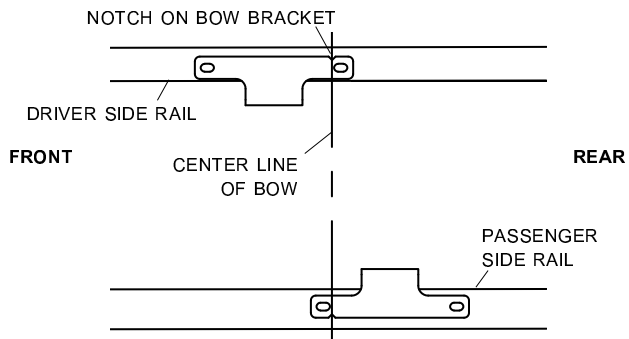




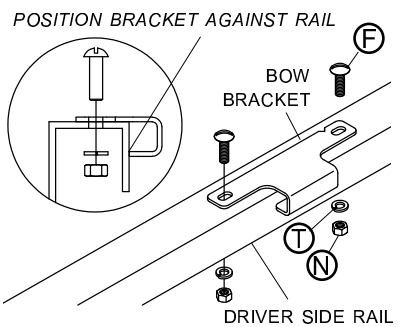
Item	Part #	Description
1.	*	Bow Weldment - 6" Rise
2.	1117665	Bow Bracket - 90°
3.	1701577	Cotter Pin
4.	1117683	Bow Shank - 90°
F.	1703964	Truss Hd. Machine Screw - 3/8" x 1 1/4"
T.	1700407	Hex Nut - 3/8"
N.	1700434	Lock Washer - 3/8"

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

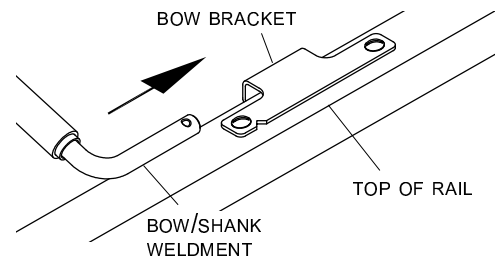
STEP 1: Mark bow bracket locations on top rails as shown in step 1 on page 5. Align notches on brackets with marked locations.



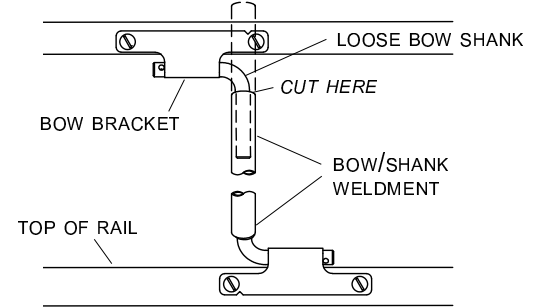
STEP 2: Mark and drill 13/32" holes. Fasten bow brackets with screws (F), lock washers (T) and nuts (N).



STEP 3: Insert bow/shank weldment into bow bracket.

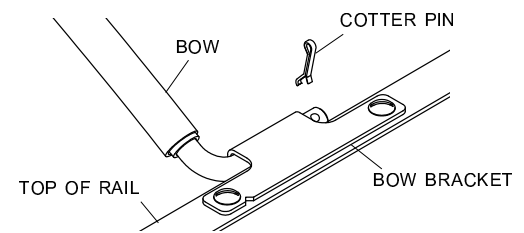


STEP 4: Insert loose bow shank into opposite bow bracket. Align bow with bow shank. If needed, mark and cut bow at point where bend starts on shank. Grind edges smooth. Fit loose bow shank into bow tube as shown.



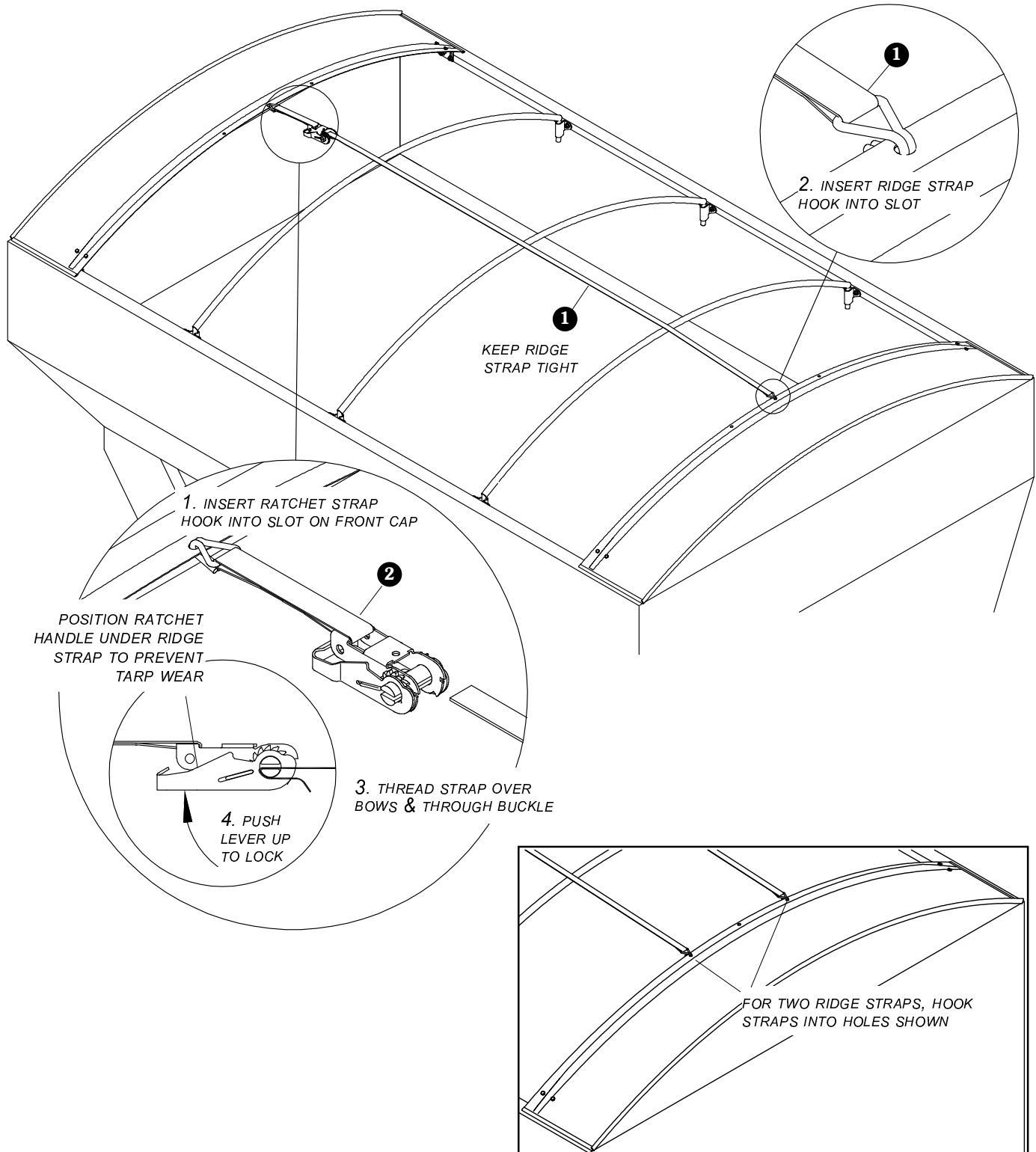
RECOMMENDED: Weld shanks to bows.

STEP 5: Install bows into bow brackets and secure with cotter pins.

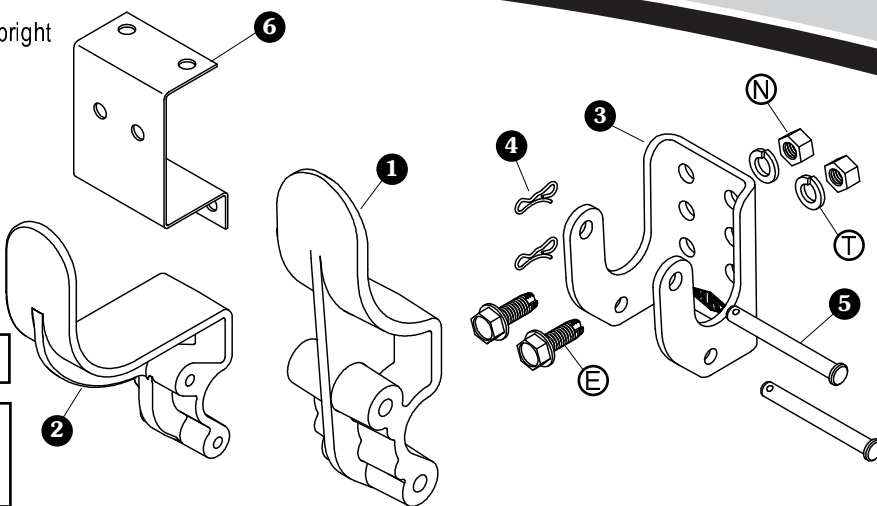


STEP 6: Repeat process for all bows.

Item	Part #	Description
1.	1118520	Ridge Strap w/Hook - 1" x 10'
	1118522	Ridge Strap w/Hook - 1" x 14'
	1118524	Ridge Strap w/Hook - 1" x 24'
2.	1118511	Ratchet w/1" Ridge Strap/Hook



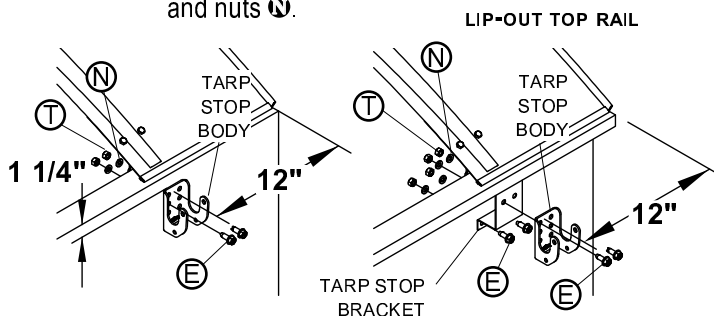
Item	Part #	Description
1.	1705775	Easy-Off Cast Alum. Tarp Stop Upright
2.	1705454	6" Offset Easy-Off Cast Alum. Tarp Stop Upright
3.	1100833	Easy-Off Tarp Stop Body
4.	1704380	Bowtie Cotter Pin
5.	1703604	Clevis Pin - 5/16" x 2 7/8"
6.	1100814	Tarp Stop Bracket
E.	1700400	Self-Tapping Screw - 3/8" x 1"
N.	1700407	Hex Nut - 3/8"
T.	1700434	Lock Washer - 3/8"



NOTE: Refer to note on page 1 for drill size.

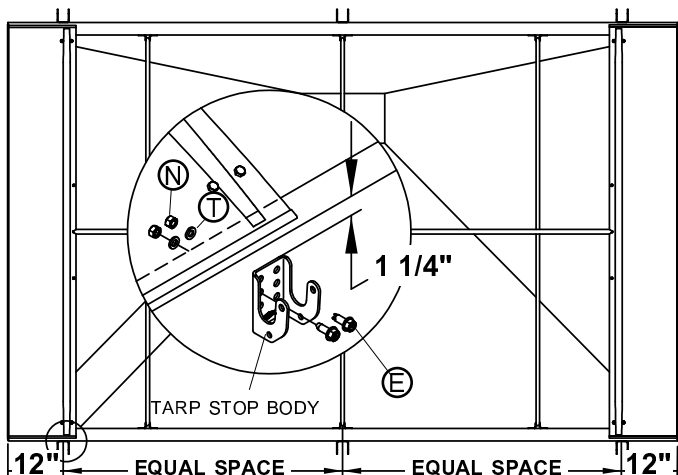
NOTE: If you are installing system to open from passenger side of box, locate tarp stops on driver side.

STEP 1: Locate first tarp stop body 12" from front edge of box, and 1 1/4" below top of side rail. Mark and drill holes and fasten to box with screws **E**, lock washers **T** and nuts **N**.



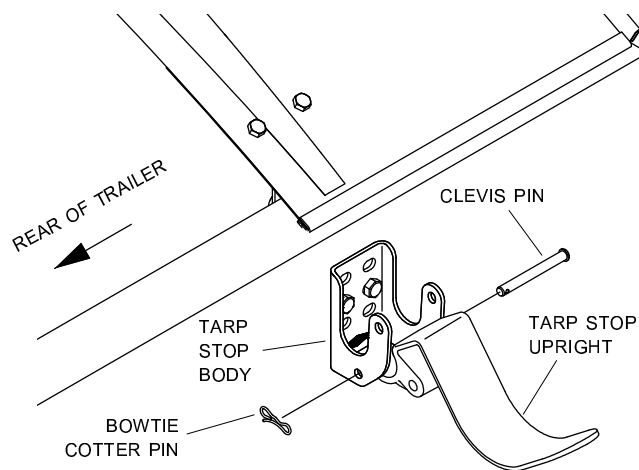
NOTE: Install tarp stop body on vertical surface. Fasten through holes that best fit top rail configuration.

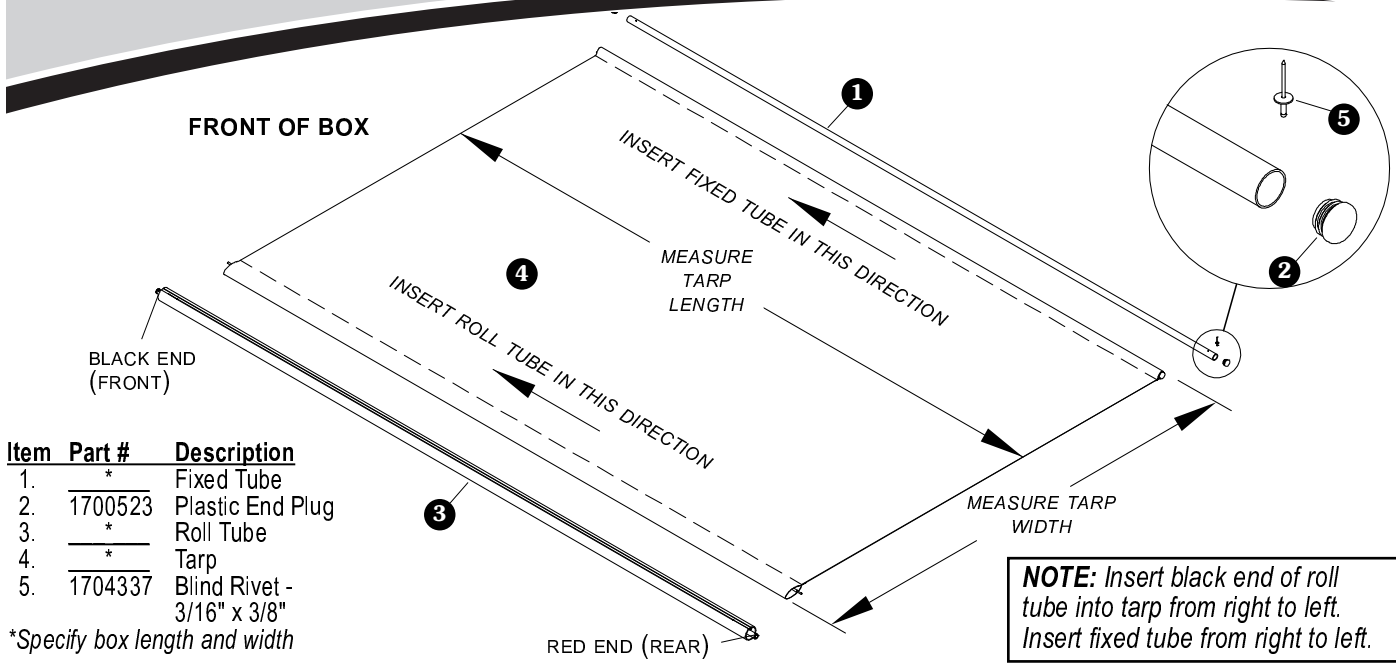
STEP 2: Locate second tarp stop body 12" from rear edge of box and 1 1/4" below top of side rail. Mark and drill holes and fasten with screws **E**, lock washers **T** and nuts **N**. Equally space remaining tarp stop bodies.



STEP 3: Align lower holes in tarp stop uprights with lower holes in tarp stop bodies. Insert clevis pins through aligned holes and secure with bowtie cotter pins.

NOTE: Position bowtie cotter pins at rear of bracket as shown.



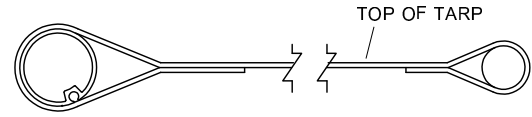


Item	Part #	Description
1.	*	Fixed Tube
2.	1700523	Plastic End Plug
3.	*	Roll Tube
4.	*	Tarp
5.	1704337	Blind Rivet - 3/16" x 3/8"

*Specify box length and width

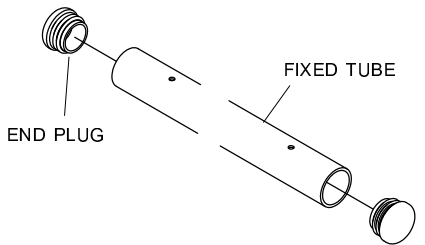
NOTE: Insert black end of roll tube into tarp from right to left. Insert fixed tube from right to left.

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

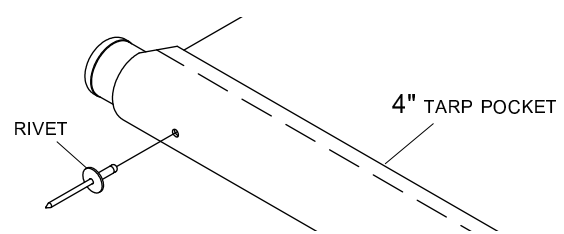


NOTE: Tarps cannot be returned at Shur-Co's expense beyond this point. Tarps damaged beyond this point may be returned for repair or replacement at owner's expense.

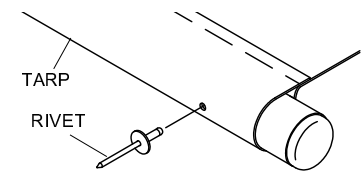
STEP 2: Install end plugs into ends of fixed tube.



STEP 3: Insert fixed tube into 4" tarp pocket. Extend tube 1" past tarp edge, align pre-punched hole in tarp with 3/16" hole in fixed tube and secure with rivet.

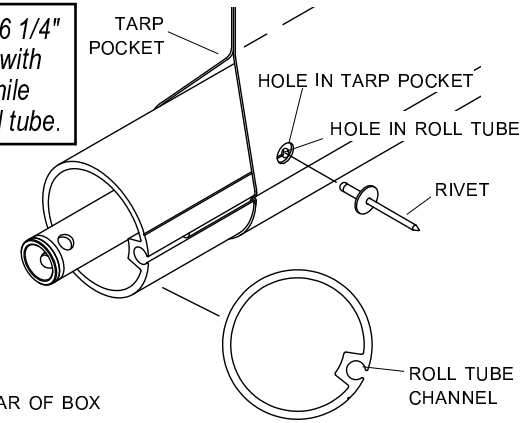


STEP 4: Stretch tarp along fixed tube until second hole in tarp is aligned with second hole in fixed tube and secure second rivet on opposite end of fixed tube.

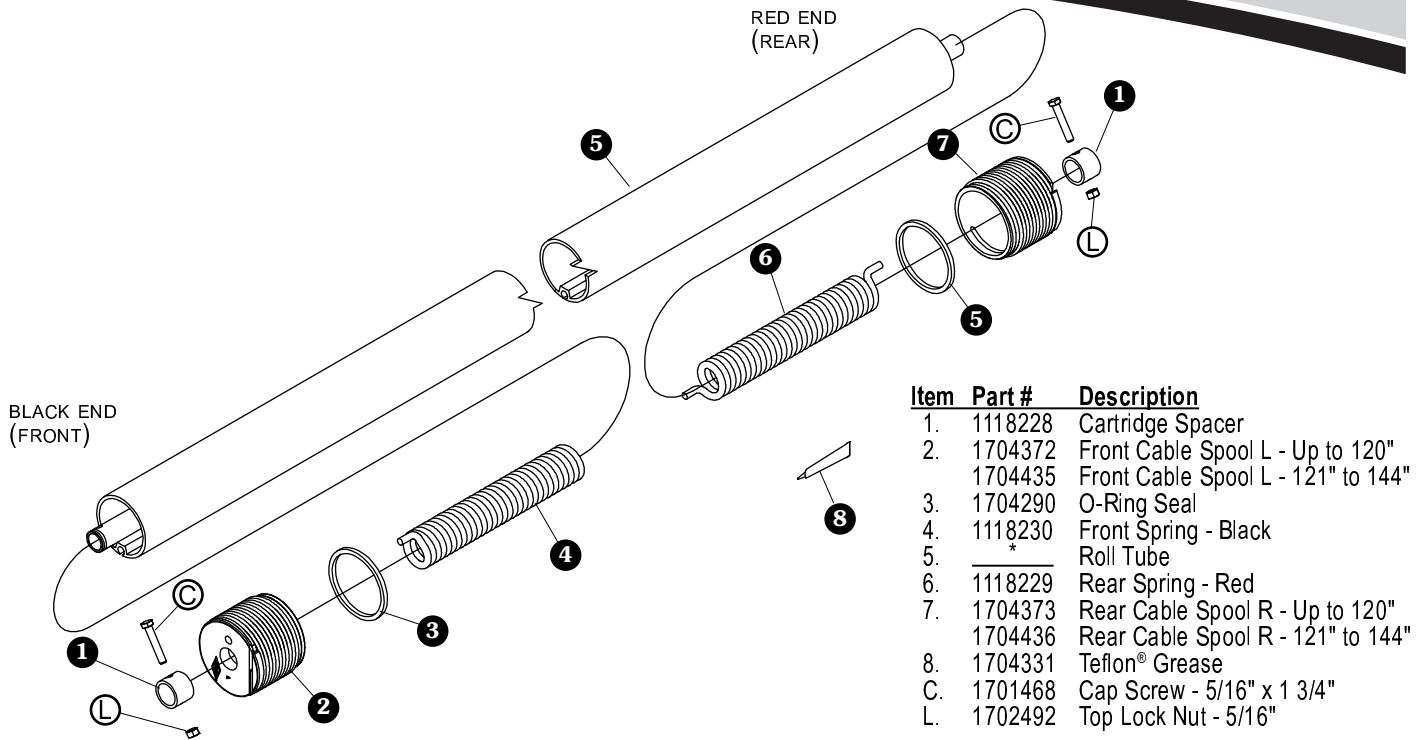


STEP 5: Roll tube. Align roll tube into 6 1/4" pocket in tarp so channel in roll tube lines up with rod sewn inside tarp pocket. Make sure hole in roll tube and hole in tarp are on same side of rod. Slide roll tube into tarp pocket, sliding rod into channel. Align hole near end of roll tube with hole in tarp. Fasten with rivet. At opposite end of roll tube, stretch tarp until hole in tarp aligns with hole in roll tube. Fasten with rivet.

TIP: Inflate 6 1/4" tarp pocket with air chuck while inserting roll tube.

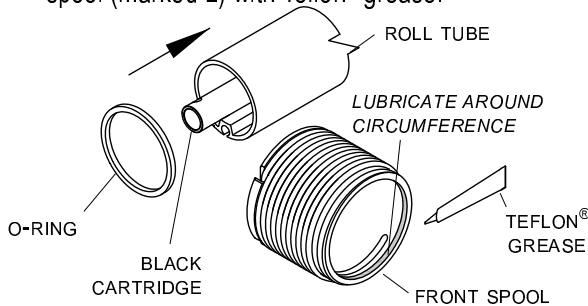


NOTE: Rod must extend past edge of tarp but must not extend past edge of roll tube. Trim rod, if required.

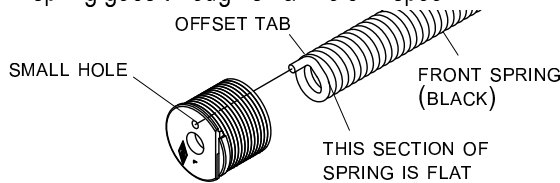


Item	Part #	Description
1.	1118228	Cartridge Spacer
2.	1704372	Front Cable Spool L - Up to 120"
	1704435	Front Cable Spool L - 121" to 144"
3.	1704290	O-Ring Seal
4.	1118230	Front Spring - Black
5.	*	Roll Tube
6.	1118229	Rear Spring - Red
7.	1704373	Rear Cable Spool R - Up to 120"
	1704436	Rear Cable Spool R - 121" to 144"
8.	1704331	Teflon® Grease
C.	1701468	Cap Screw - 5/16" x 1 3/4"
L.	1702492	Top Lock Nut - 5/16"

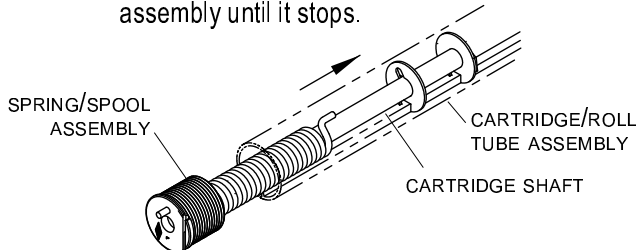
STEP 1: Slide O-ring onto roll tube. Lubricate inside of front spool (marked L) with Teflon® grease.



STEP 2: Insert front spring (black) into spool so offset tab on spring goes through small hole in spool.

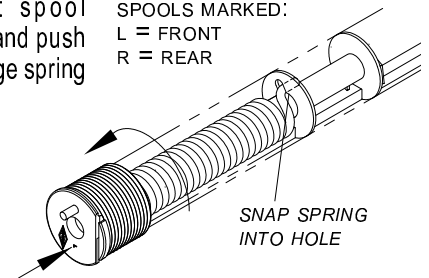


STEP 3: Insert spring and spool onto cartridge shaft. Continue to slide spring/spool assembly into cartridge/roll tube assembly until it stops.



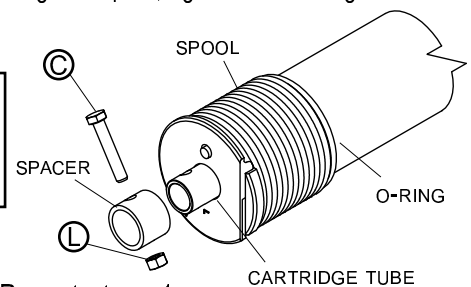
STEP 4: Turn front spool (marked L) and push to fully engage spring in roll tube.

SPOOLS MARKED:
L = FRONT
R = REAR



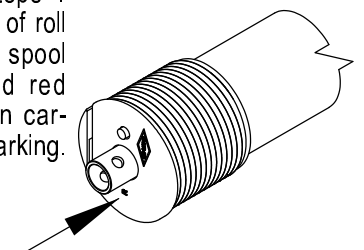
STEP 5: Slide spacer on cartridge tube. Align holes with cartridge tube and fasten with cap screw (C) and nut (L). Tighten. Push O-ring into spool, against inside edge.

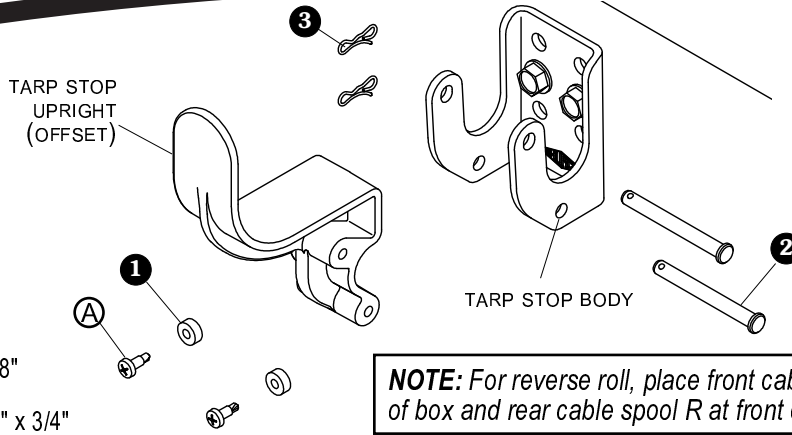
NOTE: Spacer should fit tight against face of spool.



STEP 6: Rear. Repeat steps 1 to 5 on rear end of roll tube, using rear spool (marked R) and red spring. Install on cartridge with red marking.

SPOOLS MARKED:
L = FRONT
R = REAR

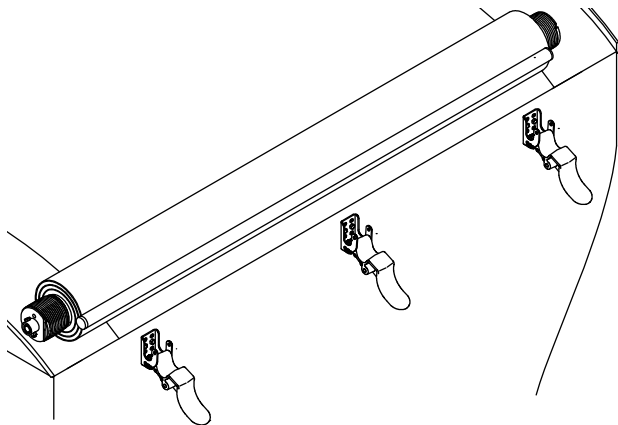




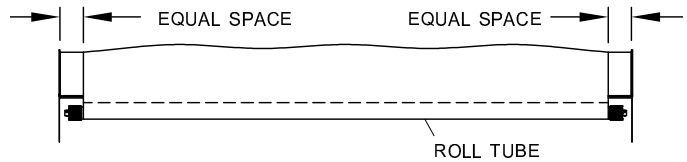
NOTE: For reverse roll, place front cable spool L at rear of box and rear cable spool R at front of box.

Item	Part #	Description
1.	1118037	Plastic Washer - Black
2.	1703604	Clevis Pin - 5/16" x 2 7/8"
3.	1704380	Bowtie Cotter Pin
A.	1700398	Self-Drilling Screw - 1/4" x 3/4"

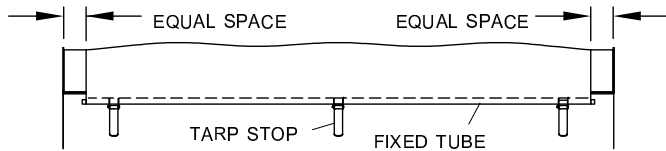
STEP 1: Wind tarp completely around roll tube. Lift rolled-up tarp assembly onto fixed tube side of grain cart.



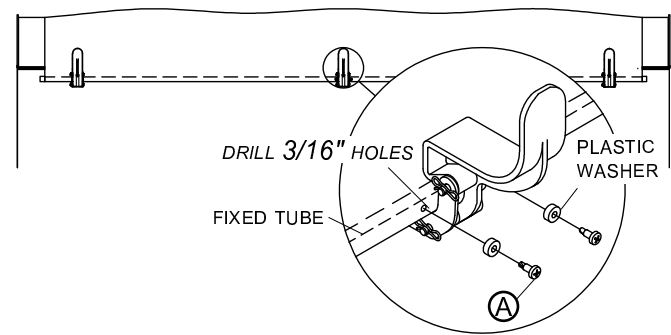
STEP 4: Make sure roll tube and tarp are centered on box.



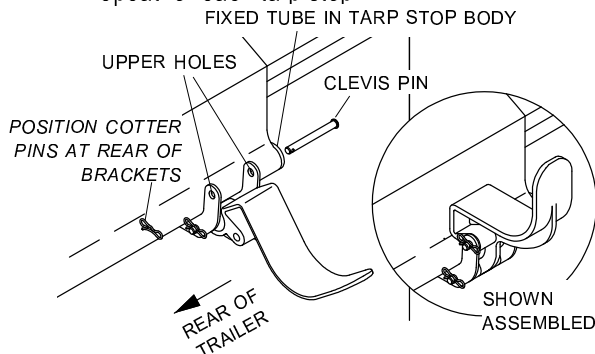
STEP 2: Center tarp on grain cart, overlapping end caps. Unroll tarp so fixed tube hangs over edge of box. Square up tarp and fixed tube. Adjust tarp so fixed tube rests squarely in tarp stop bodies.

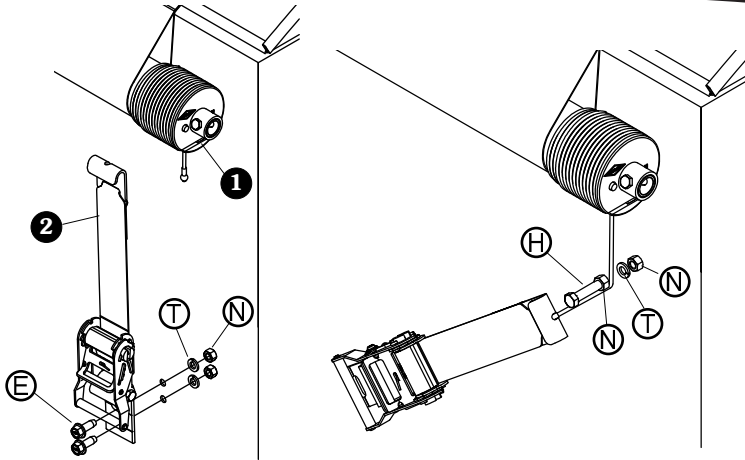


STEP 5: At center tarp stop, hold plastic washer against tarp stop body. Using washer as guide, drill 3/16" hole through tarp and fixed tube. Using #3 Phillips bit, thread self-drilling screw (A) through washer and hole in fixed tube. Do not overtighten. Repeat on other side of tarp stop body.



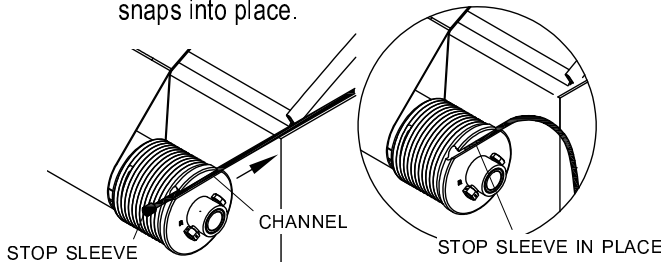
STEP 3: Align upper holes in tarp stop uprights with upper holes in tarp stop bodies. Insert clevis pins through aligned holes and secure with bowtie cotter pins. Repeat for each tarp stop.



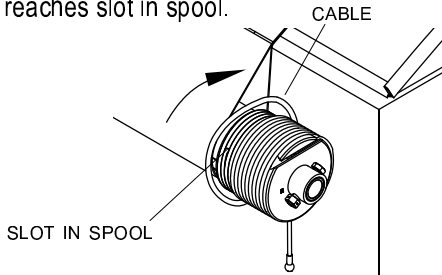


Item	Part #	Description
1.	1704295	Galvanized Cable - 139"
	1704294	Galvanized Cable - 151"
	1704514	Galvanized Cable - 175"
2.	1118275	Ratchet Strap Assembly - 18"
	1118276	Ratchet Strap Assembly - 42"
E.	1700400	Self-Tapping Screw - 3/8" x 1"
H.	1702573	Cap Screw - 3/8" x 2 1/2"
N.	1700407	Hex Nut - 3/8"
T.	1700434	Lock Washer - 3/8"

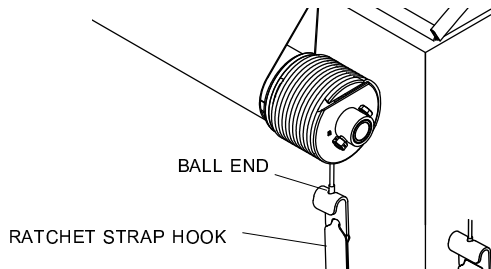
STEP 1: With tarp closed, insert stop sleeve end of cable into channel on end of spool. Pull cable until stop sleeve snaps into place.



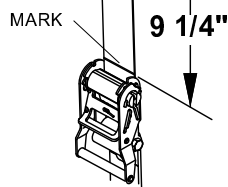
STEP 2: Wrap cable into grooves around spool until cable reaches slot in spool.



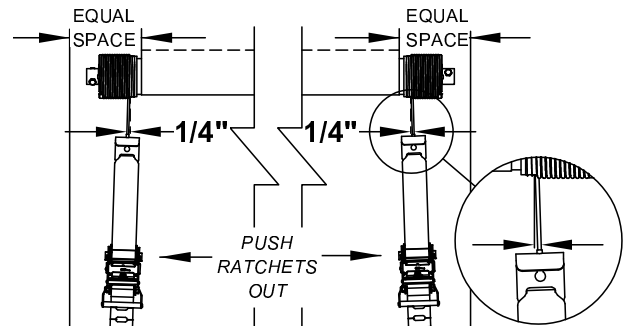
STEP 3: Hook ball end of cable to ratchet strap hook.



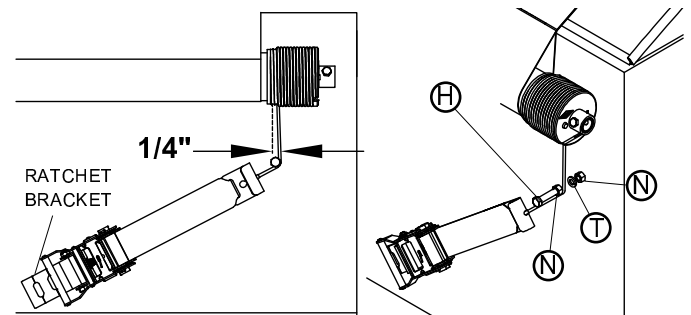
STEP 4: Release ratchet and pull down until mark on strap is visible (about 9 1/4").



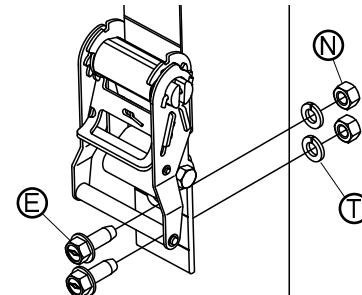
STEP 5: To ensure cable winds correctly in spool grooves, push ratchets out so cable moves 1/4".



STEP 5A: If vertical surface is too short to mount ratchets. Mark location for 3/8" holes after ratchets are pushed out so cable moves 1/4". Drill holes. Tighten nut on screw (E) and fasten to box with lock washer (T) and nut (N). Guide cable around cap screw and rotate ratchet bracket to fit on vertical surface.

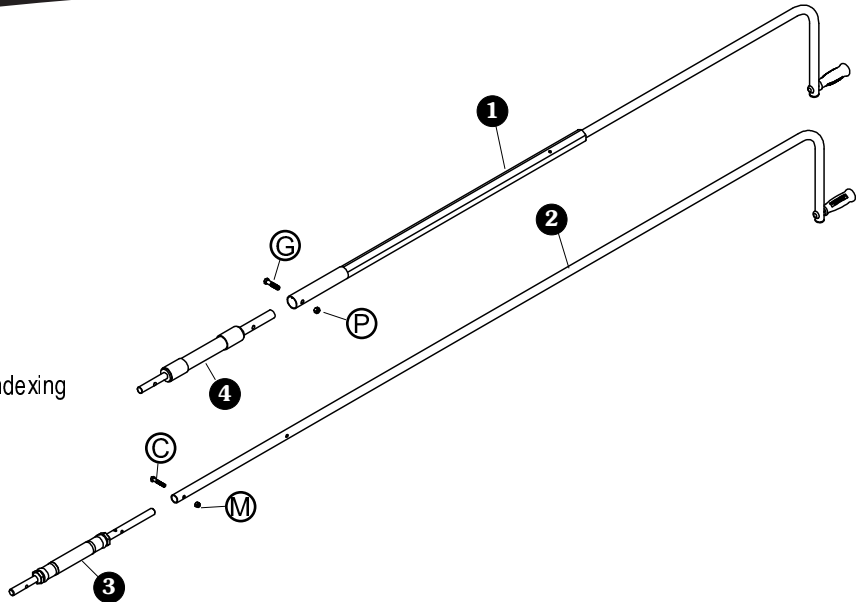


STEP 6: Mark and drill 5/16" holes. Fasten ratchet bracket to box with screws (E), lock washers (T) and nuts (N).

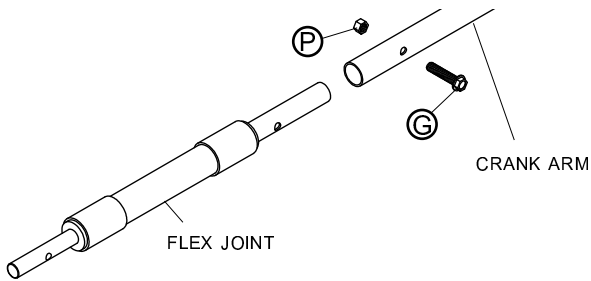


Item	Part #	Description
1.	*	Crank Arm Assembly - Telescoping/Indexing
2.	1123954	Crank Arm Assembly - One Piece
3.	1122010	Flex Joint Assembly - One Piece
4.	1118722	Flex Joint Assembly - 12"
C.	1701468	Cap Screw - 5/16" x 1 3/4"
G.	1700369	Cap Screw - 3/8" x 1 3/4"
M.	1700419	Nylon Lock Nut - 5/16"
P.	1700418	Centerlock Nut - 3/8"

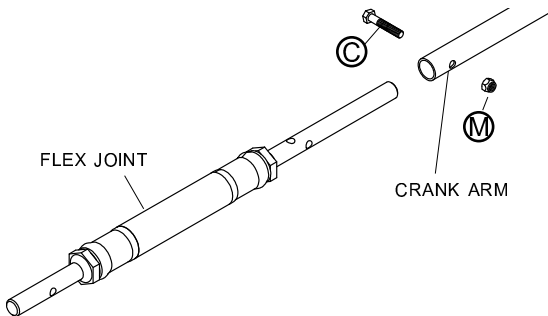
*Specify length



STEP 1A: Telescoping/Indexing crank option. Insert flex joint into end of crank arm. Fasten with screw G and nut P. Finger tighten.

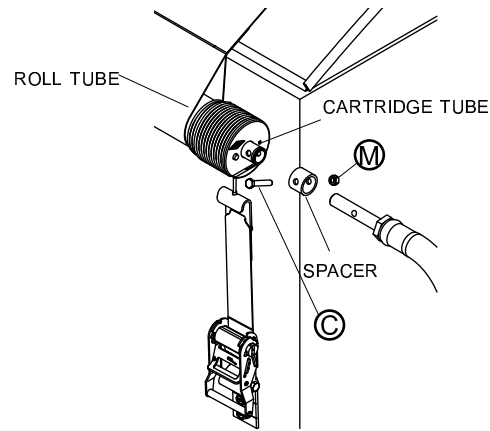


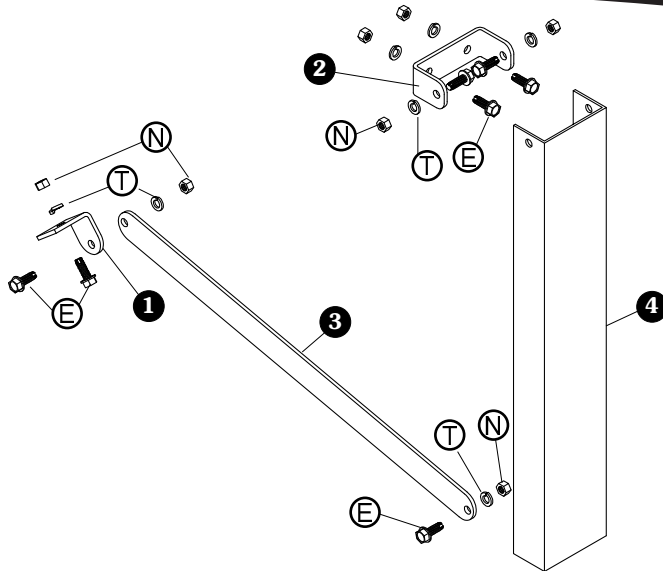
STEP 1B: One piece crank option. Insert flex joint into end of crank arm. Fasten with screw C and nut M. Finger tighten.



NOTE: If handle is too long, cut handle 1" from second hole before fastening to flex joint.

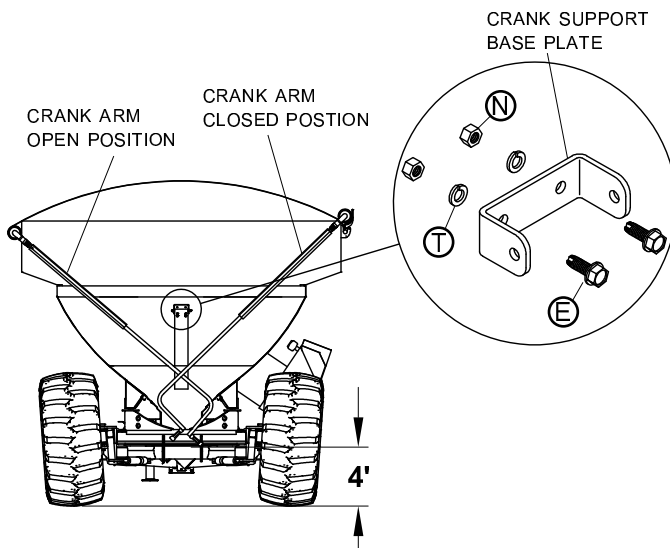
STEP 2: Remove nut and cap screw from spacer on rear (red) end of roll tube. Slide crank hose assembly end into cartridge tube protruding from roll tube. Align holes, reinsert cap screw C and tighten nut M.





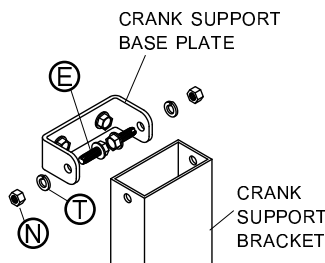
Item	Part #	Description
1.	1116556	Base Plate Swivel
2.	1116554	Crank Support Base Plate
3.	1116557	Swivel Support Brace
4.	1116555	Crank Support Bracket
E.	1700400	Self-Tapping Screw - 3/8" x 1"
T.	1700434	Lock Washer - 3/8"
N.	1700407	Hex Nut - 3/8"

STEP 1: Locate crank support where assembly will hold crank arm while tarp is opened or closed. Mark and drill 5/16" holes 2 1/2" apart. Fasten crank support base plate to grain cart with screws **E**, washers **T** and nuts **N**.

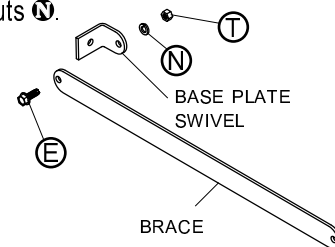


NOTE: Crank handle must be at least 4' above ground while tarp is closed.

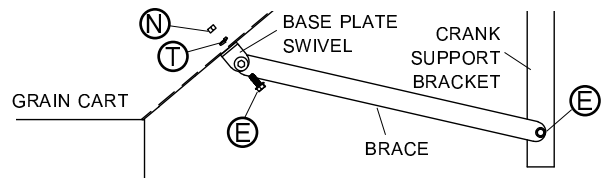
STEP 2: Fasten crank support bracket to crank support base plate with screws **E**, lock washers **T** and nuts **N**.



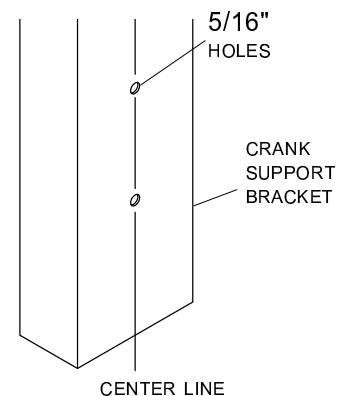
STEP 3: Fasten base plate swivel to brace with screws **E**, lock washers **T** and nuts **N**.



STEP 4: Align swivel/brace assembly to fit crank support bracket and grain cart. Mark and drill 5/16" holes. Fasten base plate to grain cart with screws **E**, washers **T** and nuts **N**. Fasten brace to crank support bracket with screws **E**, lock washers **T** and nuts **N**.

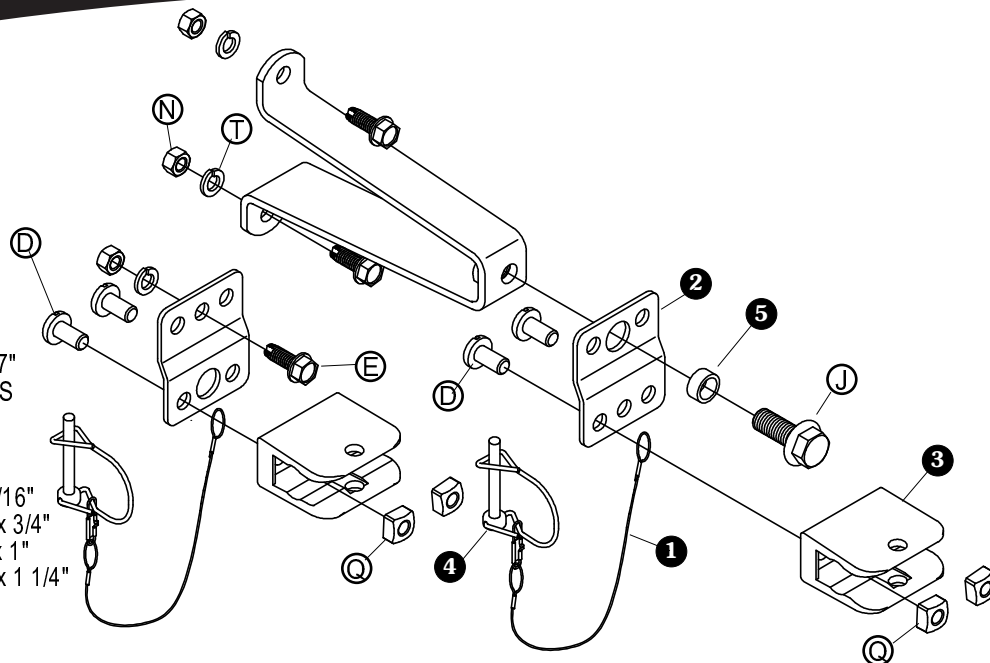


NOTE: See following pages to install crank retainer standoff and crank retainer. Install components on crank support bracket in same manner as on trailer. Center components on bracket, drilling 5/16" holes along center line.

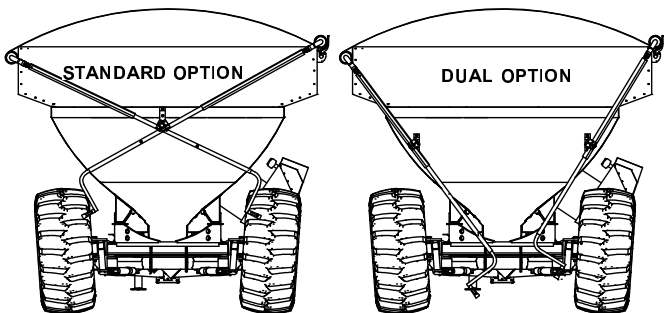


Item Part # Description

- 1. 1100033 Crank Retainer Standoff - 7"
- 1. 1100574 Cable w/Interlock Snap - SS
- 2. 1123660 Offset Retainer Bracket
- 3. 1705259 Crank Retainer - Nylon
- 4. 1705262 Wire Lock Pin - 1/4" x 2"
- 5. 1700306 Bushing - 11/16" x .51" x 5/16"
- D. 1705260 Pan Hd. Cap Screw - 3/8" x 3/4"
- E. 1700400 Self-Tapping Screw - 3/8" x 1"
- J. 1702996 Flanged Cap Screw - 1/2" x 1 1/4"
- N. 1700407 Hex Nut - 3/8"
- Q. 1705261 Square Nut - 3/8"
- T. 1700434 Lock Washer - 3/8"

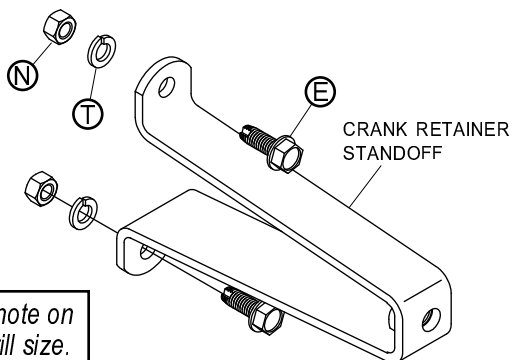


STEP 1: Determine mounting location on rear of trailer for 1 or 2 crank retainer standoffs or crank retainers (if not using standoffs). Location must be accessible by crank arm while tarp is open or closed.



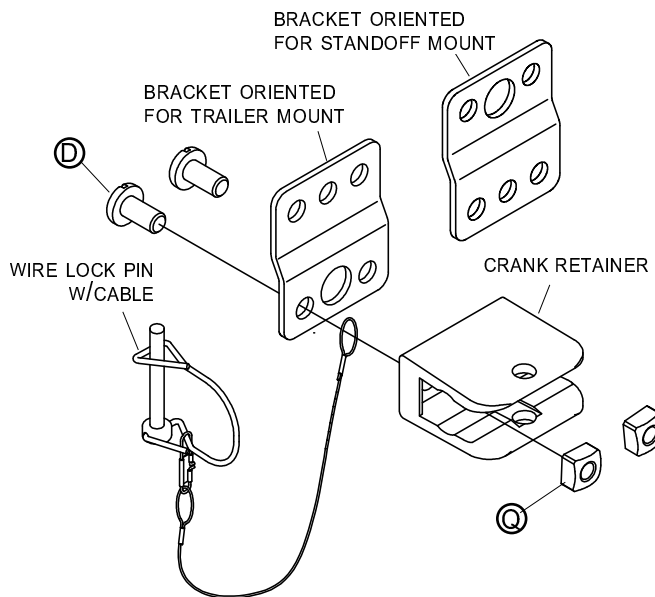
LOCATE CRANK RETAINER TO HOLD CRANK EXTENSION PORTION OF CRANK ASSEMBLY.

STEP 2: Drill 5/16" holes and fasten crank retainer standoff to trailer with screws (D), lock washers (T) and nuts (N).

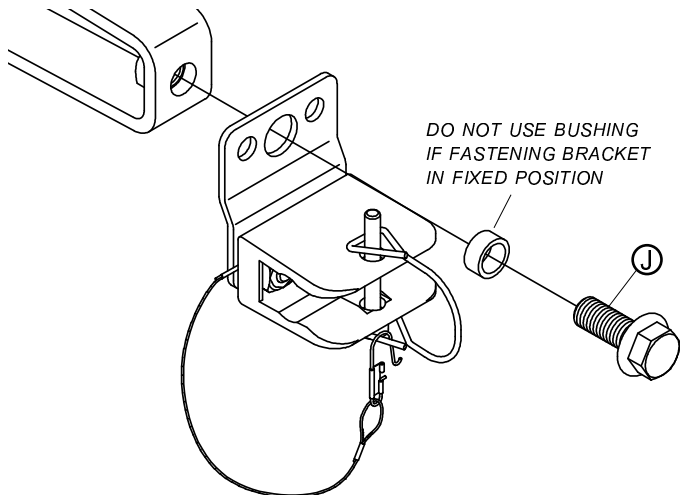


NOTE: See note on page 1 for drill size.

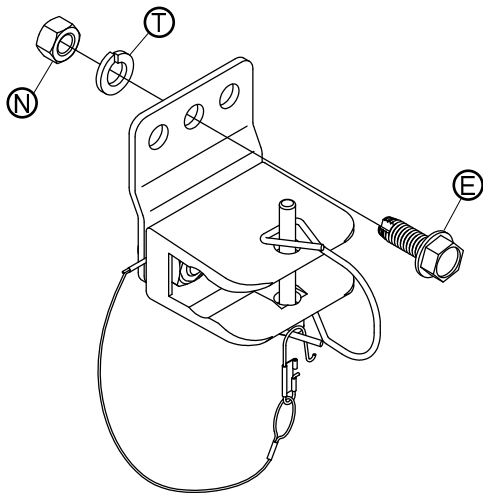
STEP 3: Assemble crank retainer as shown, aligning larger hole on top of bracket if mounting on standoff. If mounting on trailer, align larger hole on bottom.



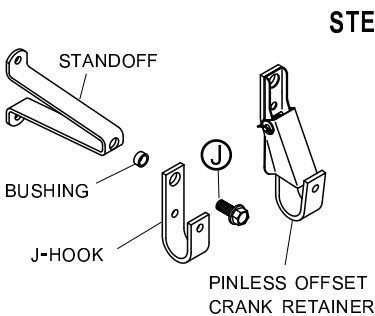
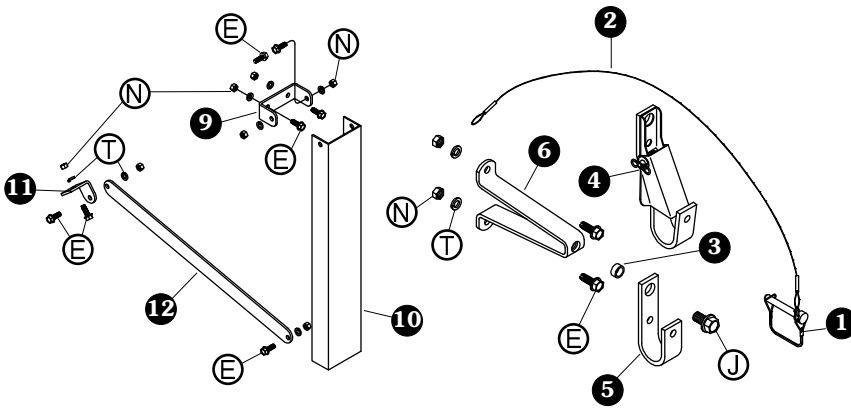
STEP 4A: Standoff mount. Fasten telescoping crank retainer to existing crank retainer standoff on rear of trailer with screw **I** and bushing. Tighten fasteners.



STEP 4B: Trailer mount. Use center hole in retaining bracket as guide to mark and drill 5/16" hole in trailer wall. Fasten with galvanized steel screw **E**, washer **T** and nut **N**. Tighten fasteners.

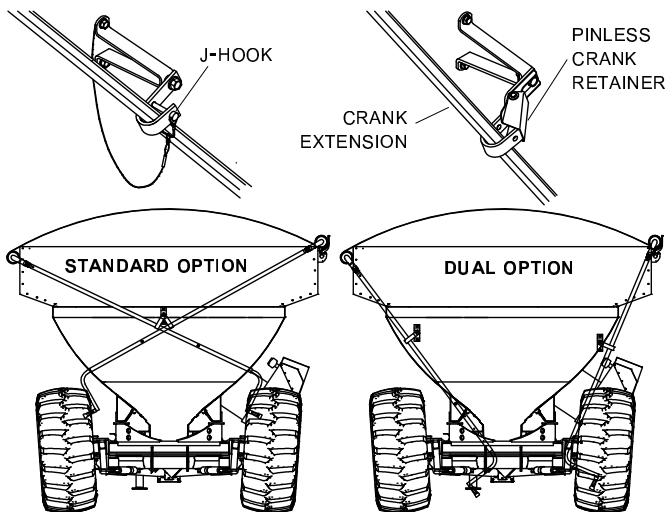


Item	Part #	Description
1.	1700526	Wire Lock Pin
2.	1100574	Cable w/Snap
3.	1100306	Retainer Bushing
4.	1118659	Offset Pinless Crank Retainer Kit
5.	1100040	Crank Retainer J-Hook
6.	1100033	Crank Retainer Standoff - 7"
7.	1118641	Offset Crank Retainer J-Hook
8.	1118657	Crank Retainer Base Plate - Swivel
9.	1116554	Crank Support Base Plate
10.	1116555	Crank Support Bracket
11.	1116556	Swivel Base Plate
12.	1116557	Swivel Support Brace
E.	1700400	Self-Tapping Screw - 3/8" x 1"
J.	1702996	Cap Screw - 1/2" x 1 1/4"
N.	1700407	Hex Nut - 3/8"
T.	1700434	Lock Washer - 3/8"



STEP 1: Assemble standoff, bushing and J-hook or pinless offset crank retainer with cap screw **J**. Assemble pinless offset components per instruction sheet P/N 1114601.

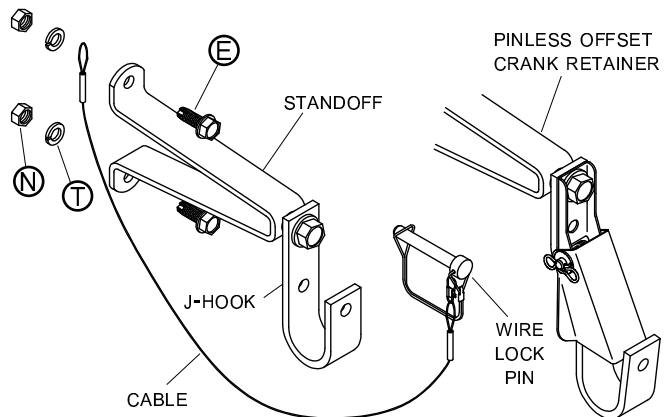
STEP 2: Mark locations for 1 or 2 crank retainers on back of box where accessible by crank assembly from open or closed position.



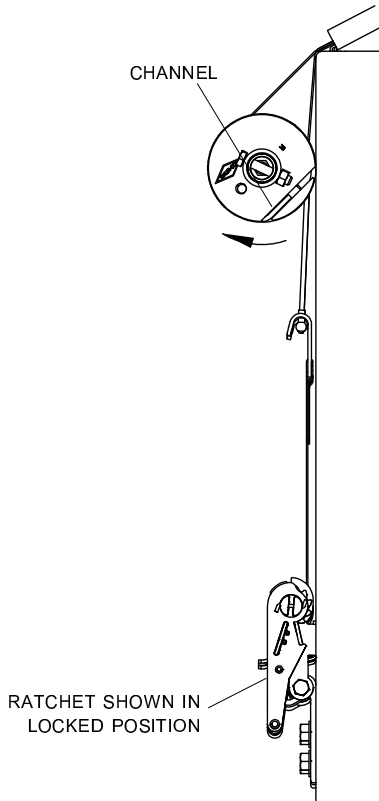
LOCATE CRANK RETAINER TO HOLD CRANK EXTENSION PORTION OF CRANK ASSEMBLY.

STEP 3: Drill 5/16" holes and fasten crank retainer to box with screws **E**, lock washers **T** and nuts **N**. If using J-hook, snap cable onto wire lock pin and fasten cable between box and standoff.

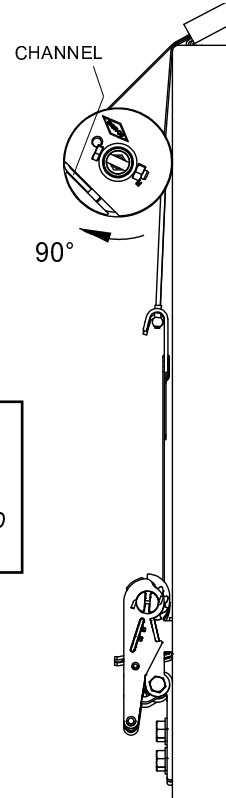
NOTE: See note on page 1 for drill size.



STEP 1: Determine tarp tension. Tighten ratchets to remove slack and apply initial tension to tarp. Note position of channels on front and rear spools as initial tarp tension is reached.



STEP 2: Tighten ratchet so channels rotate 90° from original position. Open and close tarp system 5 or 6 times to allow cable to seat in spool grooves and tarp to pull snug. Check position of channel and retighten ratchet as needed to rotate channel 90° from initial position.

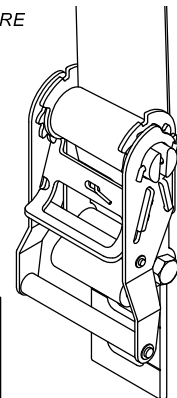


NOTE: Ratchet must be in locked position to hold tension. Do not release tension to operate system.

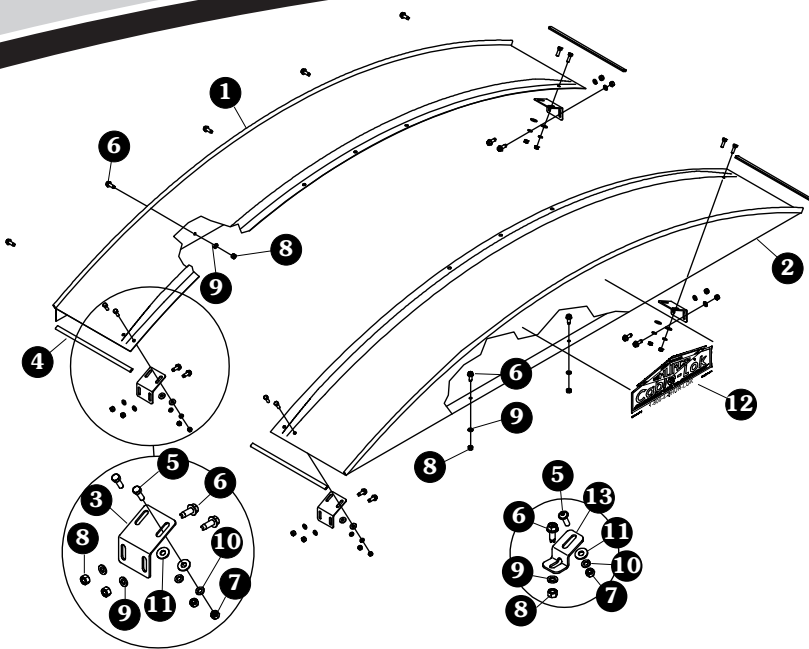
CAUTION
Do not adjust ratchets while system is operating

STEP 3: Place decal as shown.

PLACE DECAL HERE



IMPORTANT
DO NOT ADJUST RATCHETS DURING OPERATION OF TARPING SYSTEM! REFER TO OPERATOR'S MANUAL FOR PROPER CABLE TENSIONING PROCEDURE.
P/N 1704414



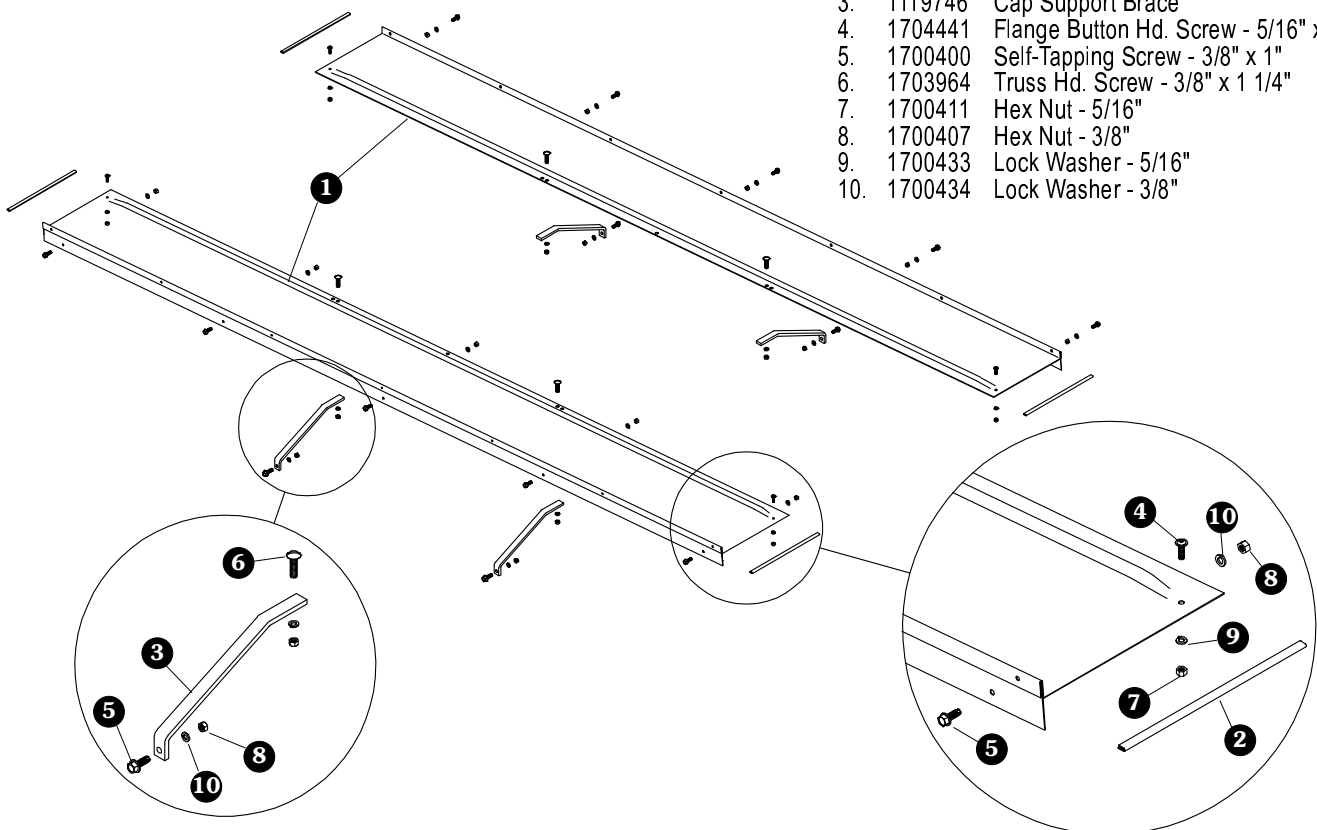
END CAPS - GALVANIZED STEEL

Item	Part #	Description
	1118594	Galvanized Cap Mounting Hardware - Bolt Kit
	1118595	Galvanized Cap Mounting Hardware w/Edge Trim
1.	*	Galvanized Low-Rise Cap - Face Mount
	*	Galvanized High-Rise Cap - Face Mount
	*	Galvanized X-Wide Cap - Face Mount
2.	*	Galvanized Low-Rise Cap - Top Mount
	*	Galvanized High-Rise Cap - Top Mount
	*	Galvanized X-Wide Cap - Top Mount
3.	1118188	Low-Rise End Cap Bracket - Face Mount
	1118189	High-Rise End Cap Bracket - Face Mount
4.	1118596	Edge Trim - 30"
5.	1704441	Flange Button Hd. Screw - 5/16" x 1"
6.	1700400	Self-Tapping Screw - 3/8" x 1"
7.	1700411	Hex Nut - 5/16"
8.	1700407	Hex Nut - 3/8"
9.	1700434	Lock Washer - 3/8"
10.	1700433	Lock Washer - 5/16"
11.	1700428	Flat Washer - 5/16"
12.	1704417	Cable-Lok™ Decal
13.	1118191	Low-Rise End Cap Bracket - Top Mount
	1118192	High-Rise End Cap Bracket - Top Mount

*Specify size

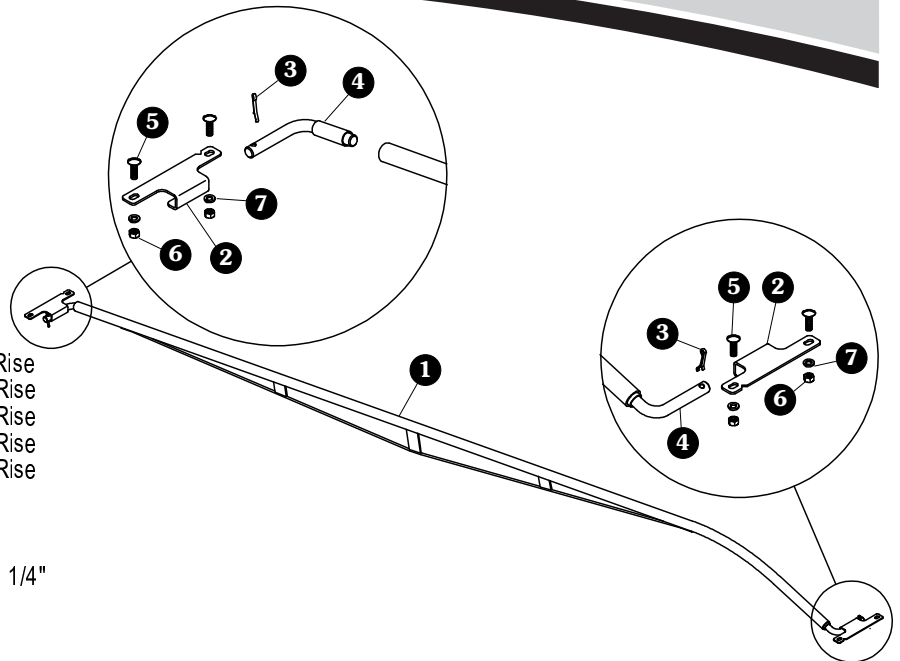
END CAPS - GALVANIZED FLAT

Item	Part #	Description
1.	1119743	Galvanized Flat Cap - 143"
	1119747	Galvanized Flat Cap - 131"
2.	1118596	Edge Trim - 30"
3.	1119746	Cap Support Brace
4.	1704441	Flange Button Hd. Screw - 5/16" x 1"
5.	1700400	Self-Tapping Screw - 3/8" x 1"
6.	1703964	Truss Hd. Screw - 3/8" x 1 1/4"
7.	1700411	Hex Nut - 5/16"
8.	1700407	Hex Nut - 3/8"
9.	1700433	Lock Washer - 5/16"
10.	1700434	Lock Washer - 3/8"



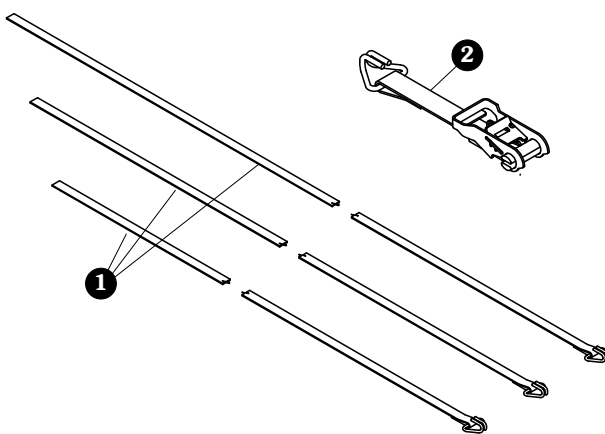
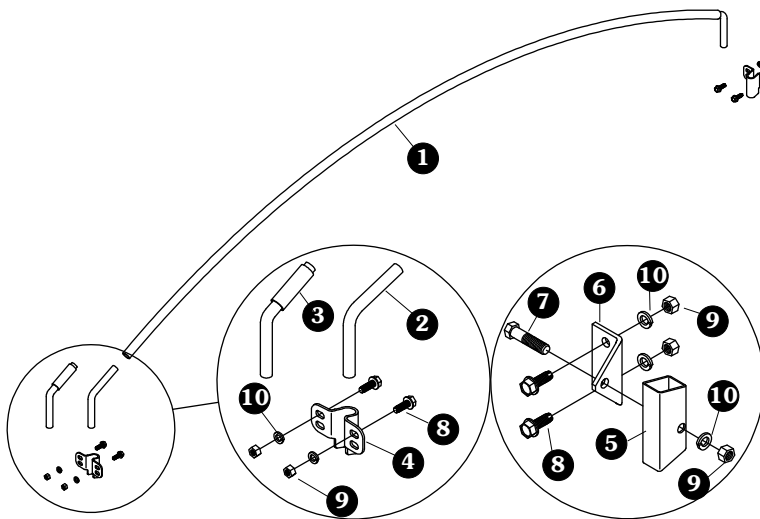
BOWS - HORIZONTAL SHANK

Item	Part #	Description
1.	1120303	Bow Weldment - 113" to 122" x 6" Rise
	1120304	Bow Weldment - 123" to 132" x 6" Rise
	1120305	Bow Weldment - 133" to 142" x 6" Rise
	1120306	Bow Weldment - 143" to 152" x 6" Rise
	1120307	Bow Weldment - 153" to 162" x 6" Rise
2.	1117665	Bow Bracket - 90°
3.	1701577	Cotter Pin
4.	1117683	Bow Shank - 90°
5.	1703964	Truss Hd. Machine Screw - 3/8" x 1 1/4"
6.	1700407	Hex Nut - 3/8"
7.	1700434	Lock Washer - 3/8"



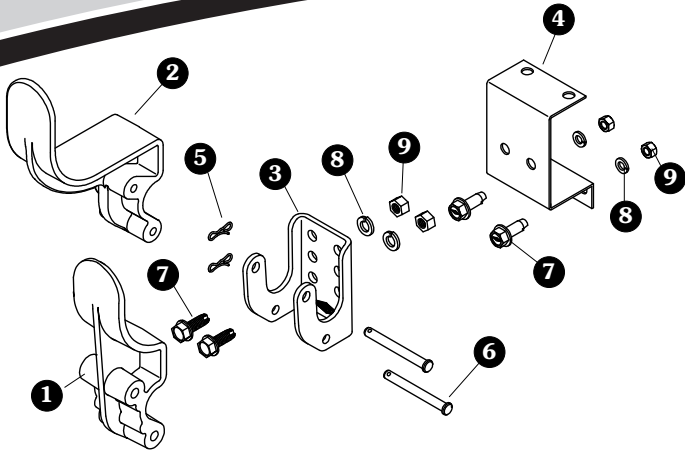
BOWS - GALVANIZED STEEL

Item	Part #	Description
1.	1116120	Standard Low-Rise Bow - 85" to 92"
	1100760	Standard Low-Rise Bow - 93" to 102"
	1117905	Standard High-Rise Bow - 89" to 95"
	1100762	Standard High-Rise Bow - 96" to 102"
	1118724	X-Wide High-Rise Bow - 109"
	1119227	X-Wide High-Rise Bow - 99" to 104"
	1119220	X-Wide High-Rise Bow - 104 1/2" to 109 1/2"
	1119219	X-Wide High-Rise Bow - 110" to 115"
	1119218	X-Wide High-Rise Bow - 115 1/2" to 121"
	1119217	X-Wide High-Rise Bow - 121 1/2" to 127"
	1119216	X-Wide High-Rise Bow - 127 1/2" to 134"
	1119215	X-Wide High-Rise Bow - 134 1/2" to 141"
2.	1106925	Standard High-Rise Bow Shank
	1106695	Standard Low-Rise Bow Shank
3.	1119233	X-Wide Bow Shank - 99" to 109 1/2"
	1119232	X-Wide Bow Shank - 110" to 127"
	1119231	X-Wide Bow Shank - 127 1/2" to 141"
4.	1120836	Single Bow Bracket
5.	1111420	Bow Shank Sleeve
6.	1111421	Adjustable Bow Bracket
7.	1700369	Cap Screw - 3/8" x 1 3/4"
8.	1700400	Self-Tapping Screw - 3/8" x 1"
9.	1700407	Hex Nut - 3/8"
10.	1700434	Lock Washer - 3/8"



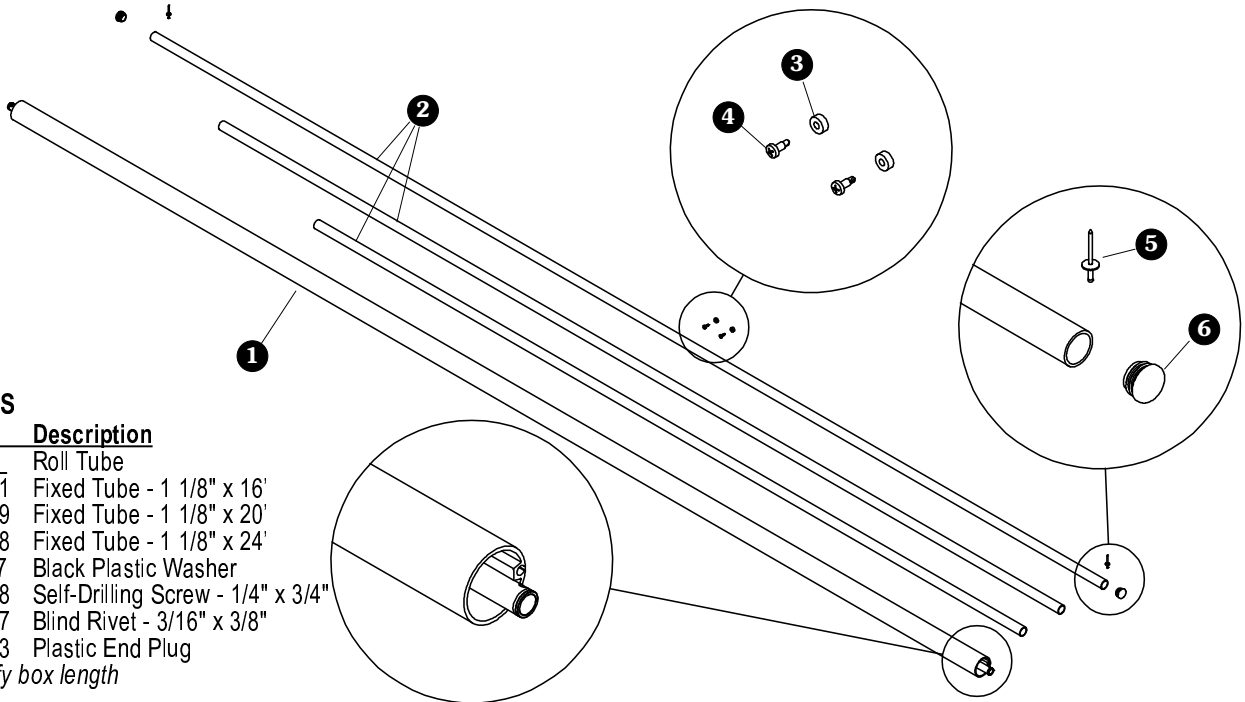
RIDGE STRAPS

Item	Part #	Description
	1118521	Ridge Strap Kit w/Hook - 10'
	1118523	Ridge Strap Kit w/Hook - 14'
	1118525	Ridge Strap Kit w/Hook - 24'
1.	1118520	Ridge Strap w/Hook - 1" x 10'
	1118522	Ridge Strap w/Hook - 1" x 14'
	1118524	Ridge Strap w/Hook - 1" x 24'
2.	1118511	Ratchet w/1" Ridge Strap/Hook



TARP STOPS - ALUMINUM EASY-OFF

Item	Part #	Description
	1111094	Easy-Off Aluminum Tarp Stop w/Mounting Hardware
	1111095	Offset Easy-Off Tarp Stop w/Mounting Hardware
	1124768	Easy-Off Aluminum Tarp Stop Assembly
	1124771	Easy-Off Aluminum 6" Offset Tarp Stop Assembly
	1118389	Bowtie Cotter Pin/Ring Assembly
1.	1705775	Easy-Off Cast Alum. Tarp Stop Upright
2.	1705454	6" Offset Easy-Off Cast Alum. Tarp Stop Upright
3.	1100833	Easy-Off Tarp Stop Body
4.	1100814	Tarp Stop Bracket
5.	1704380	Bowtie Cotter Pin
6.	1703604	Clevis Pin - 5/16" x 2 7/8"
7.	1700400	Self-Tapping Screw - 3/8" x 1"
8.	1700434	Lock Washer - 3/8"
9.	1700407	Hex Nut - 3/8"



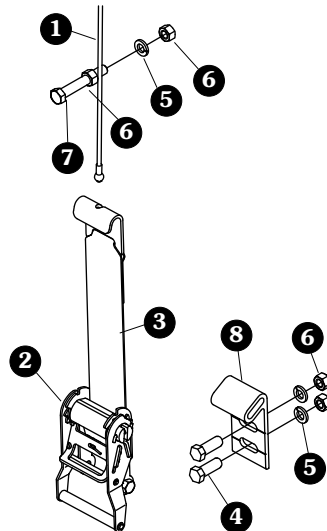
TARP TUBES

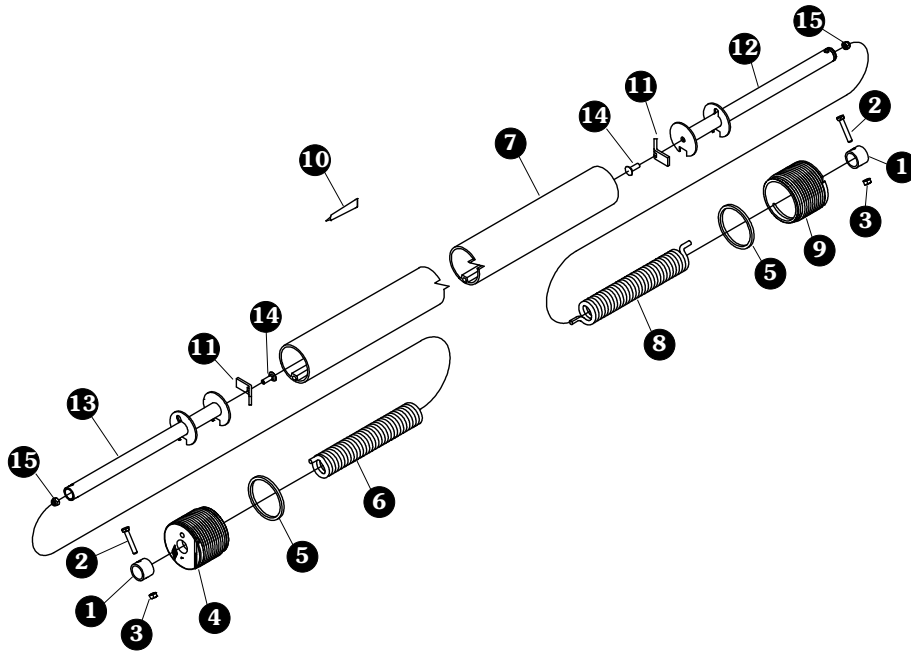
Item	Part #	Description
1.	*	Roll Tube
2.	1700051	Fixed Tube - 1 1/8" x 16'
	1700049	Fixed Tube - 1 1/8" x 20'
	1701428	Fixed Tube - 1 1/8" x 24'
3.	1118037	Black Plastic Washer
4.	1700398	Self-Drilling Screw - 1/4" x 3/4"
5.	1704337	Blind Rivet - 3/16" x 3/8"
6.	1700523	Plastic End Plug

* Specify box length

RATCHET/CABLE ASSEMBLIES

Item	Part #	Description
	1118993	18" Ratchet Strap - 139" - Galvanized Cable Kit
	1118994	18" Ratchet Strap - 151" - Galvanized Cable Kit
	1119320	18" Ratchet Strap - 175" - Galvanized Cable Kit
	1118995	42" Ratchet Strap - 139" - Galvanized Cable Kit
	1118996	42" Ratchet Strap - 151" - Galvanized Cable Kit
	1119321	72" Ratchet Strap - 175" - Galvanized Cable Kit
1.	1704295	Galvanized Cable - 139"
	1704294	Galvanized Cable - 151"
	1704514	Galvanized Cable - 175"
2.	1704421	Ratchet Handle - 2"
3.	1118275	Ratchet Strap Assembly - 18"
	1118276	Ratchet Strap Assembly - 42"
4.	1700400	Self-Tapping Screw - 3/8" x 1"
5.	1700434	Lock Washer - 3/8"
6.	1700407	Hex Nut - 3/8"
7.	1702573	Cap Screw - 3/8" x 2 1/2"
8.	1118272	Adjustable Ratchet Bracket

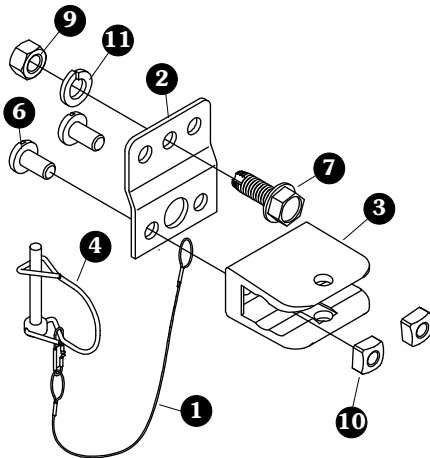




TARP SPOOL ASSEMBLIES

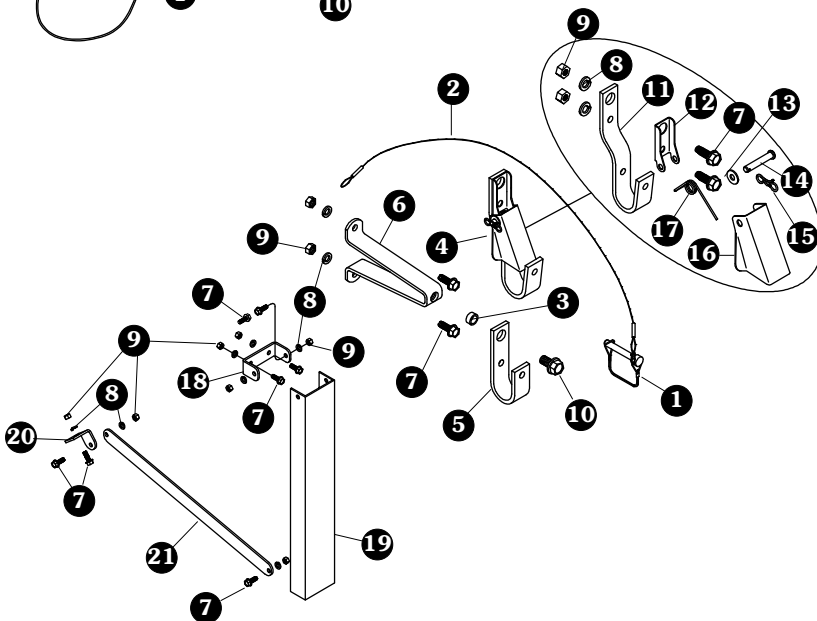
Item	Part #	Description
	1118991	Front Cartridge Kit
	1118992	Rear Cartridge Kit
1.	1118228	Cartridge Spacer
2.	1701468	Cap Screw - 5/16" x 1 3/4"
3.	1702492	Top Lock Nut - 5/16"
4.	1704372	Front Cable Spool - Up to 120"
	1704435	Front Cable Spool - 121" to 144"
5.	1704290	O-Ring Seal
6.	1118230	Front Spring - Black
7.	*	Roll Tube
8.	1118229	Rear Spring - Red
9.	1704373	Rear Cable Spool - Up to 120"
	1704436	Rear Cable Spool - 121" to 144"
10.	1704331	Teflon® Grease
11.	1118194	Cartridge Clamp
12.	1118200	Rear Cartridge
13.	1118198	Front Cartridge
14.	1704237	Carriage Bolt - 5/16" x 1"
15.	1704297	Nylon Lock Nut - 5/16"

*Specify size



CRANK RETAINERS - TELESCOPING/INDEXING

1.	1100574	Cable w/Interlock Snap
2.	1123660	Offset Retainer Bracket
3.	1705259	Crank Retainer - Nylon
4.	1705262	Wire Lock Pin - 1/4" x 2"
5.	1700306	Bushing - 11/16" x .51" x 5/16"
6.	1705260	Pan Hd. Cap Screw - 3/8" x 3/4"
7.	1700400	Self-Tapping Screw - 3/8" x 1"
8.	1702996	Flanged Cap Screw - 1/2" x 1 1/4"
9.	1700407	Hex Nut - 3/8"
10.	1705261	Square Nut - 3/8"
11.	1700434	Lock Washer - 3/8"

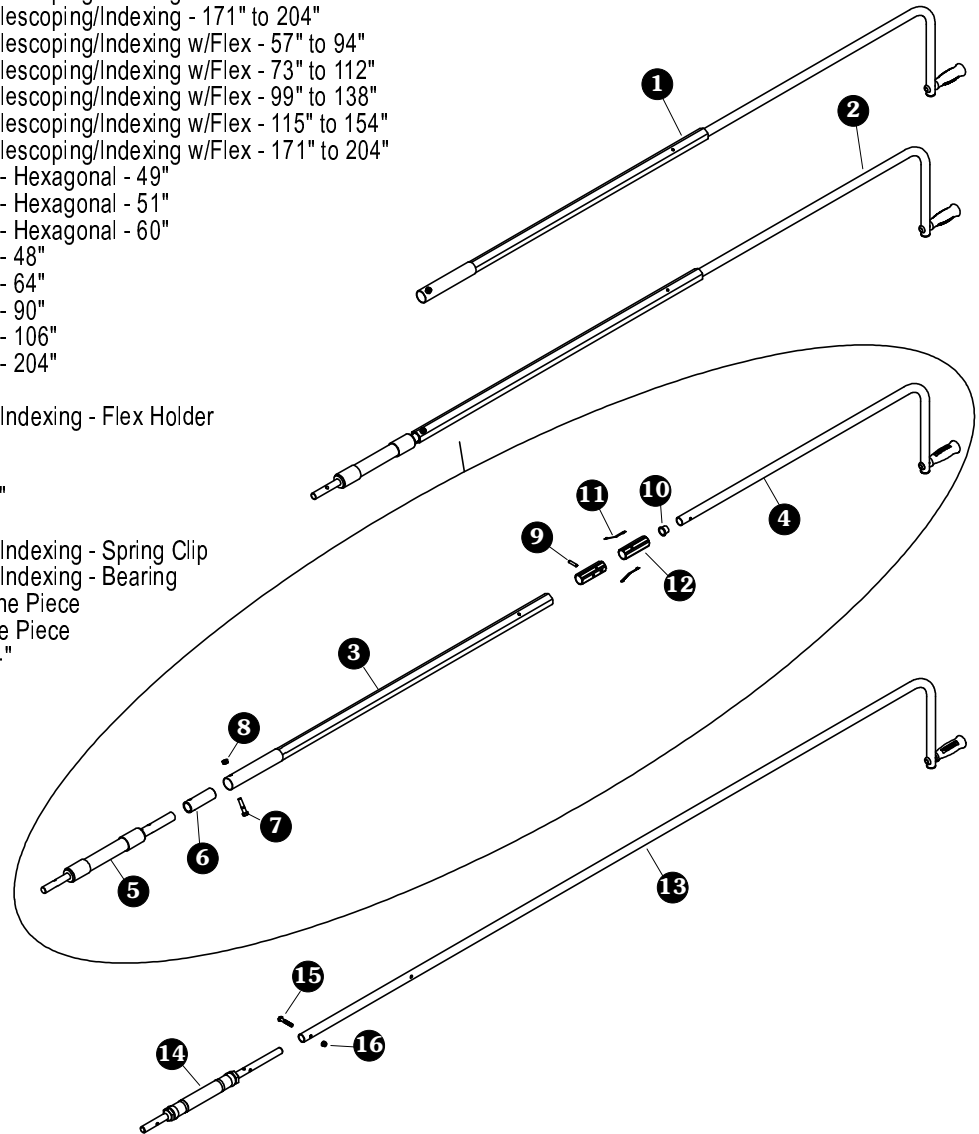


CRANK RETAINERS - ONE PIECE

Item	Part #	Description
1.	1700526	Wire Lock Pin
2.	1100574	Cable w/Snap
3.	1100306	Retainer Bushing
4.	1118659	Offset Pinless Crank Retainer Kit
5.	1100040	Crank Retainer J-Hook
6.	1100033	Crank Retainer Standoff - 7"
7.	1700400	Self-Tapping Screw - 3/8" x 1"
8.	1700434	Lock Washer - 3/8"
9.	1700407	Hex Nut - 3/8"
10.	1702996	Cap Screw - 1/2" x 1 1/4"
11.	1118641	Offset Crank Retainer J-Hook
12.	1118657	Crank Retainer Base Plate - Swivel
13.	1700427	Flat Washer - 1/4"
14.	1703133	Clevis Pin - 5/16" x 1 3/4"
15.	1704380	Bowtie Cotter Pin - 1 3/8"
16.	1114600	Offset Pinless Crank Retainer Lock
17.	1703134	Tension Spring
18.	1116554	Crank Support Base Plate
19.	1116555	Crank Support Bracket
20.	1116556	Swivel Base Plate
21.	1116557	Swivel Support Brace

CRANK OPTIONS

Item	Part #	Description
1.	1123810	Crank Arm Assembly - Telescoping/Indexing - 57" to 94"
	1123814	Crank Arm Assembly - Telescoping/Indexing - 73" to 112"
	1123818	Crank Arm Assembly - Telescoping/Indexing - 99" to 138"
	1123822	Crank Arm Assembly - Telescoping/Indexing - 115" to 154"
	1123826	Crank Arm Assembly - Telescoping/Indexing - 171" to 204"
2.	1123809	Crank Arm Assembly - Telescoping/Indexing w/Flex - 57" to 94"
	1123813	Crank Arm Assembly - Telescoping/Indexing w/Flex - 73" to 112"
	1123817	Crank Arm Assembly - Telescoping/Indexing w/Flex - 99" to 138"
	1123821	Crank Arm Assembly - Telescoping/Indexing w/Flex - 115" to 154"
	1123825	Crank Arm Assembly - Telescoping/Indexing w/Flex - 171" to 204"
3.	1123829	Crank Arm - Telescoping - Hexagonal - 49"
	1123830	Crank Arm - Telescoping - Hexagonal - 51"
	1123831	Crank Arm - Telescoping - Hexagonal - 60"
4.	1123835	Crank Arm - Telescoping - 48"
	1123839	Crank Arm - Telescoping - 64"
	1123843	Crank Arm - Telescoping - 90"
	1123847	Crank Arm - Telescoping - 106"
	1123851	Crank Arm - Telescoping - 204"
5.	1118722	Flex Joint Assembly - 12"
6.	1123856	Crank Arm - Telescoping/Indexing - Flex Holder
7.	1700369	Cap Screw - 3/8" x 1 3/4"
8.	1700418	Centerlock Nut - 3/8"
9.	1701118	Spring Pin - 1/4" x 1 3/16"
10.	1701357	End Plug - Crank Arm
11.	1705200	Crank Arm - Telescoping/Indexing - Spring Clip
12.	1705197	Crank Arm - Telescoping/Indexing - Bearing
13.	1122011	Crank Arm Assembly - One Piece
14.	1122010	Flex Joint Assembly - One Piece
15.	1701468	Cap Screw - 5/16" x 1 3/4"
16.	1700419	Centerlock Nut - 5/16"



Problem:	Try This:
<p>When operating the system, cables do not wind properly in the spool grooves.</p>	<ol style="list-style-type: none"> 1. Verify the spools are not binding on the roll tube. Remove, clean and re-grease, if required. See <i>Springs and Spools</i>. 2. Verify the tarp is centered on the end caps and the black plastic washers are correctly installed. Measure, center tarp and install washers. See <i>Tarp Installation</i>. 3. Verify ratchets are correctly installed. Adjust from side to side. See <i>Cables and Ratchets</i>. 4. Verify cable tension. Adjust as needed. See <i>Cable Tension</i>.
<p>When operating the system, the tarp doesn't roll up evenly. Tarp binds on one or both ends.</p>	<ol style="list-style-type: none"> 1. Verify the spools are not binding on the roll tube. Remove, clean and re-grease, if required. See <i>Springs and Spools</i>. 2. Verify cable tension is not too loose. Adjust as needed. See <i>Cable Tension</i>. 3. Verify the tarp has not been altered or improperly repaired. Verify the tarp length and width have not changed and the tarp is square.
<p>When closed, the tarp is not tight in the middle.</p>	<ol style="list-style-type: none"> 1. Verify cable tension. Adjust as needed. See <i>Cable Tension</i>. 2. Verify the correct number of ridge straps are installed and are in the correct location. Move or install as needed. See <i>Ridge Strap</i>. 3. Verify correct bow spacing, installation height and the bows are not damaged. Bow height should be 1" to 2" above cap height. Move, adjust, repair or replace bows as needed. See <i>Standard Bows</i>.
<p>The tarp is worn or has holes.</p>	<ol style="list-style-type: none"> 1. Verify the tarp is not contacting any sharp edges. See <i>Box Preparation</i>. 2. Consult your local Shur-Co® dealer for repairs or order a tarp repair kit. 3. If required, replace tarp or parts with Genuine Shur-Co® parts.

MAINTENANCE SCHEDULE

Every 2 to 4 weeks:

1. Inspect tarp - repair any tears, cuts or worn areas.
2. Inspect hardware - securely tighten any loose fasteners.
3. Check cable tension and adjust as needed (see *Cable Tension*).

MANUAL OPERATING INSTRUCTIONS

Open tarp from closed position:

1. Using both hands, carefully remove crank from crank retainer.
2. Move crank handle to operating position.
3. Turn crank clockwise to roll tarp open.
4. Return crank to other crank retainer and secure.

Close tarp from open position:

1. Using both hands, carefully remove crank from crank retainer.
2. Move crank handle to operating position.
3. Turn crank counter-clockwise to roll tarp closed.
4. Return crank to other crank retainer and secure.

SAFETY INSTRUCTIONS

1. Do not adjust ratchets while operating tarping system.
2. Do not load or unload trailer while tarp is closed.
3. Do not operate tarping system while box is raised or elevated.
4. Do not stand or walk on tarp or end caps.
5. Do not drive vehicle at highway speeds unless tarp is fully open or closed (fully closed is recommended.)

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

ATTENTION!

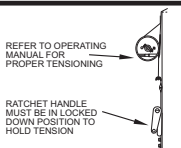
TARP MUST BE IN THE OPEN POSITION BEFORE UNLOADING OR LOADING.

DO NOT WALK OR STAND ON THE TARP OR END CAPS.

DO NOT OPERATE TARP WITH THE BOX IN A RAISED OR ELEVATED POSITION.

DO NOT OPERATE THIS VEHICLE AT HIGHWAY SPEEDS UNLESS THE TARP IS IN THE FULLY CLOSED OR FULLY OPEN POSITIONS. NOTE: DRIVING AT HIGHWAY SPEEDS IN THE FULLY CLOSED POSITION IS RECOMMENDED.

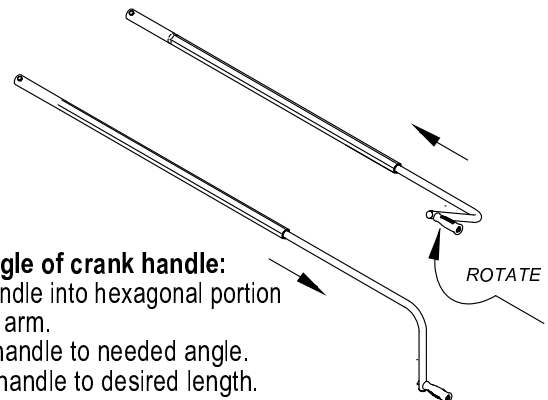
CABLE-LOK OPERATING INSTRUCTIONS – MANUAL

1) OPENING FROM A CLOSED POSITION	2) CLOSING FROM AN OPEN POSITION	CORRECT TENSION ADJUSTMENT
Using Both Hands, Carefully Remove Crank From The Crank Retainer. Extend Crank Handle To Its Operating Position. Use Crank To Roll Tarp To Fully Open Position. Return Crank To Crank Retainer And Secure.	Using Both Hands, Carefully Remove Crank From The Crank Retainer. Extend Crank Handle To Its Operating Position. Use Crank To Roll Tarp To Fully Closed Position. Return Crank To Crank Retainer And Secure.	REFER TO OPERATING MANUAL FOR PROPER TENSIONING 

P/N: 1704412

Shur-Co., Yankton, SD 1-800-4 SHUR-LOK (1-800-474-8756)

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

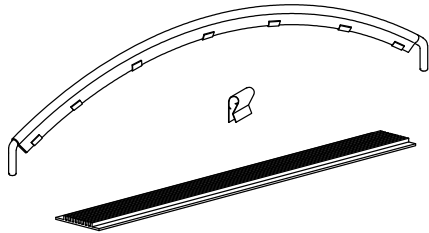


Change angle of crank handle:

1. Slide handle into hexagonal portion of crank arm.
2. Rotate handle to needed angle.
3. Extend handle to desired length.

BOW COVERS

Vinyl-coated compound wraps over bows and clips underneath. Reduces tarp wear and grain splatter, prevents rust and provides traction. Extra-wide bow covers also available.

**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.

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.



MORE QUALITY PRODUCTS FROM SHUR-CO®

- **Genuine Replacement Tarps**
- **Genuine Replacement Parts**
- **Agriculture Products**
 - *The Original Shur-Lok®*
 - **Shur-Lok® Junior**
 - **Premium Belt 'n Ratchet**
 - **Cable-Lok™**
 - **Turning Point™ Bow**
 - **Tater-Top™**
- **SMARTrailer™ Accessories for Agriculture Products**
 - **SMART2™ Remote**
 - **SMART1 +™ Remote**
 - **4500 Series HD Electric**
 - **Electric Shur-Lok®**
 - **AutoTrap™ Hopper Opener**
 - **ProTrap® Hopper Opener**
 - **Electric Gate & Hoist**
 - **LiteALL™ Work Lights**
 - **Cable-Lok™ Electric Upgrade**
 - **Electric Turning Point™ Bow**
 - **Solar Power Pack**
- **Flatbed Products**
 - **ShurTite™ Retractable Tarps**
 - **Stock Lumber & Steel Tarps**
- **Custom Products**
 - **Fitted Truck Covers**
 - **Flat Utility Tarps**
 - **Bean Drill Covers**
 - **Gustbuster™ Tarp Cords**
- **Construction Products**
 - *The Original Shur-Lok®*
 - **Shur-Trak II™**
 - **Cover-Pro II®**
 - **Turning Point™ Bow**
 - **IronSide™ Side-Dump System**
 - **Arm-Matic™**
 - **DuraPull™**
 - **Econo-Pull™**
 - **Turbo Tarp2™**
 - **2000 Series**
 - **5000 Series**
 - **Hammer™**
 - **Bullet™**
 - **Flash™**
 - **Long Arm™**
- **SMARTrailer™ Accessories for Construction Products**
 - **4500 Series HD Electric w/Gate Flex™**
 - **Shur-Trak II™ Electric Upgrade**
 - **Cover-Pro II® Electric Upgrade**
 - **Electric Turning Point™ Bow**
 - **Solar Power Pack**
- **Waste Products**
 - **SWAT™**
 - **The Ox™**
 - **Quick-Flip III™**
 - **Sidewinder™**
 - **Sidewinder™ 350**
 - **HyTower™ SL**
 - **HyTower™ DL**
 - **Double-Flip™**

TARPING SYSTEMS & ACCESSORIES

