

SHUR-CO[®]

WASTE & RECYCLING CATALOG



TARP SYSTEMS & ACCESSORIES

Launch of Lock-N-Go™ electric side rollcover system.	2024	2020	Shur-Co® acquires AAA Tarps.
Shur-Co® acquires AB Airbags.	2023	2023	Launch of SWAT® SA automatic roll-off tarp system.
Shur-Co® acquires US Tarp.			Launch of ShurLink™ next-generation wireless control system.
Shur-Co® acquires Dawbarn & Sons, Ltd. in Wisbech, UK.	2022		
Launch of APEX™ electric side roll system.	2021	2020	Shur-Co® is acquired by Behrman Capital.
Shur-Co® opens a new 45,440 square foot service facility in Vermillion, SD.	2020	2021	
	2020	2020	Shur-Co® of OH relocates to a new 7-bay 38,000 square foot facility in Rootstown, OH.
	2019	2020	Shur-Co® acquires Ruff'n Tuff Tarps in Caldwell, ID. Rebranded as Shur-Co® of ID.
Shur-Co® celebrates 25 years in Yankton, SD.	2017		Shur-Co® acquires LODI Metals in Bellville, OH.
Launch of SWAT® automatic roll-off tarp system.			
Shur-Co's global reach expands with product sold to over 30 countries across 6 continents every year.	2015	2020	Shur-Co® of ND relocates to a new 24,000 square foot facility in West Fargo, ND.
	2016		Shur-Co® of IL relocates to a new 16,000 square foot facility in Decatur, IL.
Shur-Co® acquires Roll-Tite™ in Brantford, ON, Canada. Rebranded as Shur-Co® of Canada.	2014		
Launch of Quick-Flip3™ automatic roll-off tarp system.	2012	2020	Shur-Co® acquires Donovan Enterprises in Stuart, FL. Rebranded as Shur-Co® of FL.
Shur-Co® is acquired by PCM Companies.	2011		Launch of 4500 Series electric roll tarp.
	2009	2020	Launch of ProTrap® electric hopper opener and the SMARTransmitter® line of remotes.
Shur-Co® Corporate HQ in Yankton, SD expands manufacturing area to 150,000 square feet.	2008		
Launch of Arm-Matic™ and Flash™ electric flip arm tarp systems.	2007	2020	Launch of 3500 Series electric roll tarp.
	2006		
Shur-Co® is named South Dakota's Family Business of the Year.	2003	2020	Launch of Double-Flip™ automatic transfer trailer tarp system and Mighty Mesh® heavy-duty tarp fabric.
	2004		
Launch of Bullet™ electric flip arm tarp system.	2000	2020	Shur-Co® expands into the rail cover market.
	1999		
Launch of Hy-Tower™ armless roll-off tarp system.	1997	1919	A name change to Shur-Co® more closely identifies the company with the Shur-Lok®, its best-known product.
	1996		
The truck cover division splits off from WCCO and relocates to Yankton, SD.	1992		
	1980	1919	Launch of Shur-Lok® roll tarp.
A growing tarp demand results in the creation of Wahpeton Canvas Company (WCCO).	1969		
	1954	1919	A shoe repair shop opens in Wahpeton, ND that transitions into tarp repair and then new tarps.

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MAX COVERAGE CAPABILITY



WHAT ARE YOU HAULING?

	CONSTRUCTION & DEMOLITION	RECYCLING	REFUSE	FLY ASH	WOOD CHIPS
ROLL-OFF					
SWAT®	✓	✓	✓		
Quick-Flip4™	✓	✓	✓		
Hy-Tower™	✓	✓	✓		✓
SIDE FLIP					
Sidewinder™ II Sidewinder™ 350	✓	✓	✓		
Double-Flip™	✓	✓	✓		
SIDE-TO-SIDE					
Shur-Lok®	✓	✓	✓		✓
Belt 'N Ratchet	✓	✓	✓	✓	✓
4500 Series HD	✓	✓	✓	✓	✓
APEX™	✓	✓	✓	✓	✓

CONFIGURING YOUR SYSTEMS

Shur-Co® systems can be ordered using two different methods, by a part number, which allows the customer to order standard features only. The other, is by configuring the options desired. For that type of kit order you will find your price for the standard features listed, then select your desired options.

In this example the alphabetical letter **B** designates the feature, the bullet • designates the standard feature in the kit, the numerical value **2** shows a different available option for that feature. This will allow the customer to communicate their desired feature, by requesting feature B2 [Easy-Off Tarp Stops]. The price can then be found by taking "Deduct/Ea." \$ Amount and multiplying that by the number of tarp stops found in the **HARDWARE QTY** chart for your size kit, then deducting that \$ amount from the standard price.

COMPLETE KIT		STANDARD FEATURES AND OPTIONS		HARDWARE QTY	
	PRICE			SIZE	TARP STOPS
38'		A LATCHPLATES		35' to 38'	6
40'		• Aluminum Latchplate	Standard	39' to 43'	6
42'		B TARP STOPS		44' to 46'	7
44'		• Easy-Off Belt Flex™ Tarp Stop	Standard	47' to 50'	7
46'		1 Flexible Easy-Off Tarp Stop	N/C	51' to 54'	8
48'		2 Easy-Off Tarp Stop	Deduct/Ea.		
50'		3 6" Offset Belt Flex™ Tarp Stop	Add/Ea.		
52'		4 6" Offset Flexible Easy-Off Tarp Stop	Add/Ea.		
54'		5 6" Offset Easy-Off Tarp Stop	Add/Ea.		
		B END CAPS			
		• Aluminum (Flat) End Caps	Standard		
		1 Poorboy Rear Tapered Flap	N/C		
		2 No Rear Cap (Flat)	Deduct		
		3 Aluminum Universal (Flat) Front Cap	Add		
		4 Poorboy Front Tapered Flap	N/C		

Standard Price

EXAMPLE

WASTE & RECYCLING SYSTEMS



SWAT®

GEAR AND RACK

Precision cut and built gear and rack.

HARD-PIPE CYLINDERS

The hard-pipe cylinders with nitride coated rods reduce chances of hose damage.

TARP TUBE

One person quick release tarp tube, with standard tube spline for easy tarp replacement.

SPRING ROLLER BAR

Industry leading extreme use spring roller bar.

MIGHTY MESH®

The strongest truck tarp material on the market today.

LITEALL® WORK LIGHT

Includes mounting brackets and wiring protection tube are pre-installed.

SYSTEM BENEFITS

- SWAT® Parts Directly Replace Leading Competitor Parts
- Secure Flanged/Bolted Pivot Gear Pins Prevent Loosening Gear Over Time
- 3/16" A500B Steel Arms, Gussets and Brackets Engineered with Exceptional Durability to withstand Demands of the Industry
- Low-Profile Arms Avoid Damage from Wide Containers/Compactors
- Covers a Wider Range of Truck Container Sizes than Competitor Systems
- SWAT® SA (Straight Arm) Covers 12'-16' OR 14'-18' Containers (Pivot Location Determines)
- SWAT® SA (Bent Arm) Covers 18'-21' Containers
- SWAT® (Bent Arm) Covers 20'-22' Containers
- Self-Contained Remote Control Operation
- Includes Self-Contained Remote

SELF-CONTAINED REMOTE

SWAT® is available with a self-contained remote, making it the only steel arm pivot tarp system in the industry with remote options. The remote allow drivers to take safer positions with better visibility during tarp operation. Additionally, the self-contained design isolates the tarp's hydraulics, protecting the tarp system.

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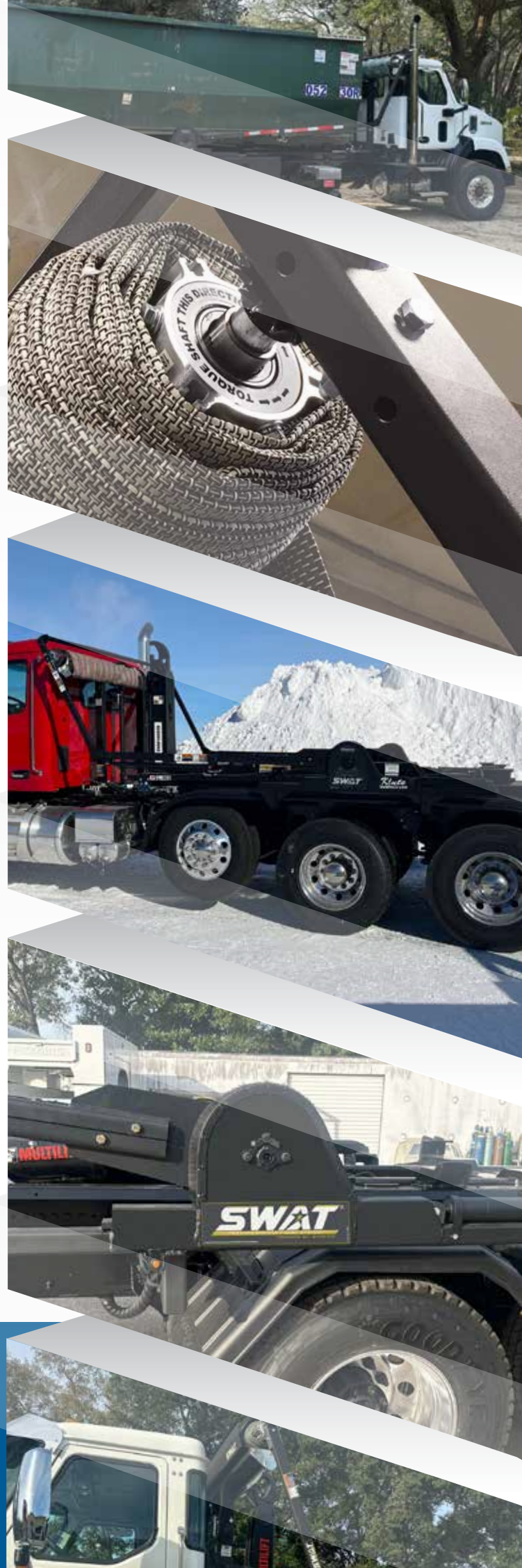

MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about SWAT® features.



SYSTEM WARRANTY

Scan here to learn about the SWAT® system warranty.



ROLL-OFF TRUCKS/TRAILERS

CABLE HOIST | *Tarp Included*

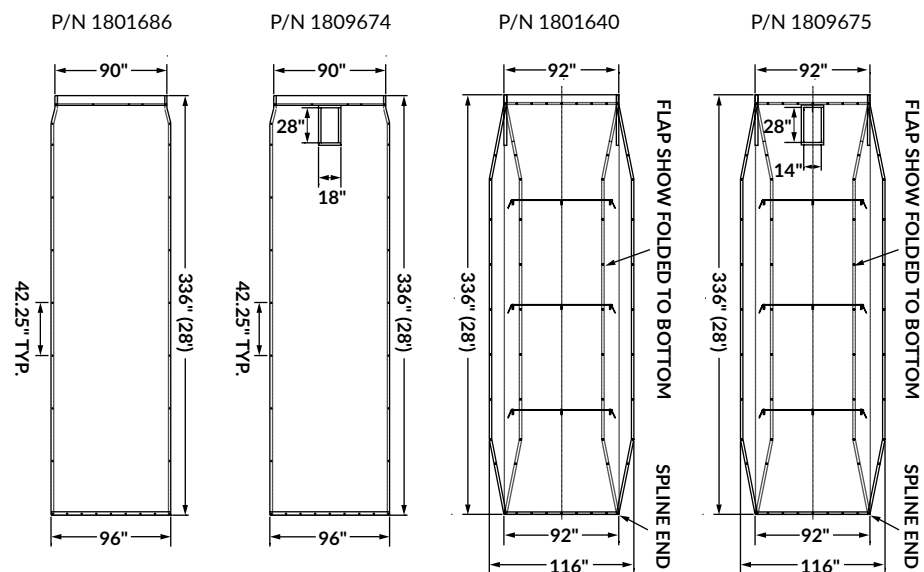
CONTAINER LENGTH	MIGHTY MESH® TARP	W/O WET KIT	WET KIT	SELF CONTAINED W/REMOTE
12' - 18'	8' x 28'	1811710	1811712	1811714
	9'8" x 28'	1811711	1811713	1811715
18' - 21'	8' x 28'	1810407	1810409	1810411
	9'8" x 28'	1810408	1810410	1810412
20' - 22'	8' x 28'	1809616	1809618	1809621
	9'8" x 28'	1809617	1809619	1809622

HOOK LIFT | *Tarp Included*

CONTAINER LENGTH	MIGHTY MESH® TARP	W/O WET KIT	WET KIT	SELF CONTAINED W/REMOTE	WET KIT HIGH PRESSURE
12' - 18'	8' x 28'	1811716	1811718	1811720	1811726
	9'8" x 28'	1811717	1811719	1811721	1811727
18' - 21'	8' x 28'	1810413	1810415	1810417	1810423
	9'8" x 28'	1810414	1810416	1810418	1810424
20' - 22'	8' x 28'	1809678	1809680	1809682	1809772
	9'8" x 28'	1809679	1809681	1809683	1809773

TARPS

FABRIC	COLOR	SIZE	P/N	PRICE
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container	1801686	
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container w/Hook Lift	1809674	
Mighty Mesh®	Multi-Color	9'8" x 28' w/Flaps - 22' Container	1801640	
Mighty Mesh®	Multi-Color	9'8" x 28' w/Flaps - 22' Container w/Hook Lift	1809675	



MIGHTY MESH® FITS ALL TARPS

- 1801686 - 8' x 28'
- 1809674 - 8' x 28' w/Hook Lift Cutout

MIGHTY MESH® TARPS W/FLAPS

- 1801640 - 9'8" x 28'
- 1809675 - 9'8" x 28' w/Hook Lift Cutout

FEATURES

- Replacement Tarp Fits all Brands of Hydraulics Roll-Off Tarper
- Tapered Pocket End for Ease of Installation and Enhanced Appearance
- Flap Tarps - Side Flaps on Tarp Extend Lateral Coverage
- Flap Tarps - Pre-Installed Bungee Cord Retracts Flaps for a Smooth Roll Up

HIGH VOLUME SWAT® REPLACEMENT PARTS

LOWER ARM "HARD PIPE" 36" CYLINDER

P/N 1808892

REPLACES COMPETITOR P/N HR4752



RACK/PIVOT 16" CYLINDER

P/N 1808890

REPLACES COMPETITOR P/N HR4719



UPPER "HOCKEY STICK" ARM

P/N 1808874

REPLACES COMPETITOR P/N HR4751



LOWER "CYLINDER" ARM

P/N 1808879

REPLACES COMPETITOR P/N HR4750



STABILIZER BAR

P/N 1808873

REPLACES COMPETITOR P/N HR4753



ROLLER BAR

P/N 1803805

REPLACES COMPETITOR P/N H7002C



QUICK-FLIP4™

GAME-CHANGING UPGRADES

- Wireless Remote Operation
- Safety Work Lights Included (Standard)
 - Wireless Operation
- Coiled Power Cord for Cleaner Appearance
- Toggle Switch (Marine Grade)
- Tarp Tower Ships Preassembled from Factory

ADDITIONAL FEATURES & BENEFITS

- Unbreakable Aluminum Arms
- 90° Cast Elbows
- 40° Bend Pivot Arm Standard in Multi-Axle Model Kits
- 12VDC Self-Contained Electric/Hydraulic Power Unit
 - Standard
- Telescoping Gantry - Standard
- Durabuilt™ Electric Motor (900 Watt)

**Additional options may be available for all applications.*


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QUICK-FLIP4™
ALUMINUM ARM SYSTEM



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about Quick-Flip4™ features.



SYSTEM WARRANTY

Scan here to learn about the QuickFlip4™ system warranty.

ROLL-OFF TRUCKS/TRAILERS

FITS BOXES AND TRAILERS - UP TO 36' | *Tarp Sold Separately*

KIT NAME	MODEL	MODE OF OPERATION	P/N	PRICE
Quick-Flip4™	Single Axle - Bridge Mounting	Remote Operated	1811480	
Quick-Flip4™	Single Axle - Straight Mounting	Remote Operated	1811881	
Quick-Flip4™	Multi Axle	Remote Operated	1811485	
Quick-Flip4™	Roll-Off Trailer	Remote Operated	1811490	

TARPS

FABRIC	COLOR	SIZE	P/N	PRICE
SINGLE AXLE				
Mighty Mesh®	Multi-Color	8' x 14' - 10' Container w/Hook Lift	1811742	
Mighty Mesh®	Multi-Color	8' x 16' - 12' Container w/Hook Lift	1811741	
Mighty Mesh®	Multi-Color	8' x 18' - 14' Container w/Hook Lift	1811740	
Mighty Mesh®	Multi-Color	8' x 20' - 16' Container w/Hook Lift	1811739	
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container	1801686	
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container w/Hook Lift	1809674	
MULTI AXLE				
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container	1801686	
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container w/Hook Lift	1809674	
TRAILER				
Mighty Mesh®	Multi-Color	8' x 28' - 22' Container	1801686	
Mighty Mesh®	Multi-Color	8' x 34' - 30' Container	1808734	
Mighty Mesh®	Multi-Color	8' x 38' - 34' Container	1808735	
Mighty Mesh®	Multi-Color	8' x 42' - 38' Container	1808736	

NOTE: If tarp cutout is needed, please call 1-800-327-8287

OPTIONS AND FEATURES

ELECTRIC OPERATION

MOTOR REVERSING
SOLENOID

P/N 1703845



SOLENOID COVER

P/N 1703896



HY-TOWER™

KEY FEATURES

- 12V Self-Contained Electric/Hydraulic Power Unit
- Aluminum Leg Mast/15' Lift
 - Standard on P/N 1801019
- Steel Leg Mast/12' Lift
 - Standard on P/N 1803900
- Nylon-Coated Cable Assembly
- Spring-Loaded Extruded Aluminum Roller Bar

The Hy-Tower™ semi-automatic roll-off tarp system covers containers from 15 to 40 cubic yards, with a gantry that raises either 12' or 15' above the truck frame and then tucks compactly behind the cab during transport. The lightweight, easy-to-handle, extra-wide 100' tarp allows you to quickly contain heaping loads from the safety of the ground. You just raise the tower, deploy and secure the tarp, lower the tower and hit the road!

Hydraulics for the system are self-contained and require minimal maintenance. Care is especially easy with no pivot arms to bend or break. The Hy Tower™ comes preassembled for easy installation and weighs only 450 pounds installed! Durable and built to last, the springs are backed by a lifetime warranty. Kits contain hardware only. The knitted mesh tarps, with or without flaps, will fit any of the Hy-Tower™ kits.

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HY-TOWER™



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about Hy-Tower™ features.



ROLL-OFF TRUCKS/TRAILERS

FITS BOXES AND TRAILERS - UP TO 40 CU. YD. | *Tarp Sold Separately*

KIT NAME	GANTRY	NO. OF LEGS	MODE OF OPERATION	P/N	PRICE
Hy-Tower™ SL	Aluminum	1 - 15'	Toggle Switch	1801019	
Hy-Tower™ DL	Steel	2 - 12'	Toggle Switch	1803900	

TARPS

FABRIC	COLOR	SIZE	P/N	PRICE
Knitted Mesh	Black	6' x 22' - 18' Containers	1803751	
Knitted Mesh	Black	8' x 28' w/Flaps - 22' Containers	1801020	
Knitted Mesh	Black	8'4" x 28' - 22' Containers	1801026	

OPTIONS AND FEATURES

TARP ROLLER

ROLLER BAR

P/N 1810381



ADDITIONAL REPLACEMENT TARPS

COMPETITOR SYSTEMS

FABRIC	COLOR	SIZE	P/N	PRICE
Mighty Mesh®	Multi-Color	9'1" x 28' w/Flaps	1801684	
Mighty Mesh®	Multi-Color	9' x 28' w/Flaps	1801690	
Mighty Mesh®	Multi-Color	9'6" x 28' w/Flaps	1800603	
Mighty Mesh®	Multi-Color	8'4" x 28'	1801985	
PVC MESH	Multi-Color	7'9" x 28' w/Reinforcements	1801032	

ROLL-OFF TARPS | *Hand Tarps*

FABRIC	COLOR	SIZE	P/N	PRICE
PVC Mesh	Multi-Color	12' x 18'	1801458	
PVC Mesh	Multi-Color	12' x 24'	1801528	
PVC Mesh	Multi-Color	12' x 26'	1801529	
Knitted Mesh	Black	12' x 18'	1801461	
Knitted Mesh	Black	12' x 24'	1801001	
Knitted Mesh	Black	12' x 26'	1801002	
18-oz Vinyl	Black	12' x 24'	1801375	
18-oz Vinyl	Black	12' x 26'	1801376	

ROLL-OFF TARPS | *Compactor Diapers*

FABRIC	COLOR	SIZE	P/N	PRICE
PVC Mesh	Multi-Color	5' x 7'	1800024	
PVC Mesh	Multi-Color	6' x 8'	1800025	

SIDEWINDER™ II

SIDEWINDER™ 350

KEY FEATURES

- Universal Components (Fit Either Side of Trailer)
- Right Side/Left Side Mounting Hinges
- (Mount to Either Side)
- Electric/Hydraulic Power Unit (Self Contained)
- Hydraulic (Wet) Valve Kit - Standard on Wet Kits
- Preassembled Head Assemblies
- Forward/Rear/Over-Center Arm Brace Locations
- Steel Frame - Standard on Sidewinder™ II Kits
- Aluminum Frame - Standard on Sidewinder™ 350 Kits

The Sidewinder™ II has modular and interchangeable components that fit either side of the trailer. (Although parts and hinge-mount hardware are universal, order drive side or curb side for proper head mount.) Your choice of electric or hydraulic. The system is fully automatic, covering and uncovering in under 20 seconds.

The Sidewinder's head assembly comes preassembled. Heavy-duty steel hinges are built to last, and the marine grade toggle stands up to heavy usage. Components bolt-together, no welding is required. Kits contain hardware only. Additional options may be available for all applications.

ROLL-OFF TRUCKS/TRAILERS

FITS TRAILERS - UP TO 53' x 102" | *Tarp Sold Separately*

KIT NAME	MATERIALS	HINGE	ARMS
Sidewinder™ II	Steel	Left	N/A
Sidewinder™ II	Steel	Right	N/A
Sidewinder™ II	Steel	Left	N/A
Sidewinder™ II	Steel	Right	N/A
Sidewinder™ 350	Aluminum	Left	Unassembled
Sidewinder™ 350	Aluminum	Right	Unassembled

FEATURES	MODE OF OPERATION	P/N	PRICE
Electric/Hydraulic	Toggle Switch	1800297	
Electric/Hydraulic	Toggle Switch	1801908	
Wet Kit	N/A	1801914	
Wet Kit	N/A	1801910	
Electric/Hydraulic	Toggle Switch	1800778	
Electric/Hydraulic	Toggle Switch	1801969	

NOTE: Although components and hinge mount hardware are universal, head mount is available in both left-side and right-side styles.

TARPS

FABRIC	COLOR	SIZE	P/N	PRICE
Poly Mesh	Orange	9'6" x 55'	1800604	
Grid	Black	10' x 55'	*1809712	

*Can NOT be used with Sidewinder™ 350.

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MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about Sidewinder™ II and Sidewinder™ 350 features.





DOUBLE-FLIP™

KEY FEATURES

- HD Steel Pivot Arms
- Hydraulic (Wet) Valve Kit
- Lower Profile Than Single Lid System

The Double-Flip™ opens and closes in under 10 seconds! It's simple to operate, easy to maintain and extremely affordable. Designed to cover open-top transfer trailers up to 102" wide and 53' long, with a hydraulic power gantry and tarp roller that operates off the trailer's hydraulics. (Optional self-contained power kit available for tipper trailers.)

Lids rest flush on trailer sides when opened, allowing loading in narrow spaces. Lids overlap when closed to properly seal the load and eliminate blowout. 2-spool manual control valve, mounted on the trailer's front wall, allows independent operation of each lid. The Double-Flip's 3-arm design provides the proper combination of strength and flexibility to cover and contain loads.

The Double-Flip™ system uses the same frame and hinges as our Sidewinder™. Preassembled head assembly mounts to any style front trailer wall. Its heavy-duty linkage and self-lubricating hinges ensure durability, reduces air flow under the tarp, protects the head assembly from debris and the operator from moving parts. The kit includes valves, hoses, tarp, frame and other components; some additional hardware may be needed. Approximate shipping weight: 1,200 lbs.

WASTE/RECYCLING TRAILERS

FITS TRAILERS - UP TO 53' X 102" | Tarps Sold Separately

KIT NAME	PIVOT ARM	FEATURES	P/N	PRICE
Double-Flip™	Steel	Wet Kit	1800161	

TARPS

FABRIC	COLOR	SIZE	P/N	PRICE
PVC Mesh	Black	53-1/2" x 53'	*1800236	
18-oz. Vinyl	Black	55" x 53'	*1800237	

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DOUBLE FLIP™
POWERED BY: SHURCO®



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about Double-Flip™ features.

SHUR-LOK®

SHUR-FLEX™ CRANK ARMS

Pivots on a knuckle and folds for storage.
Stores on side to accommodate rear doors.

DURABOW™

Molded resin bow supports tarp but has enough give to be left on during loading.

TURNING POINT™ BOW SYSTEM

Angled bracket allows bow to move freely.
Swings up and over loads without binding.

FLEXIBLE EASY-OFF TARP STOP

Bends even in subzero cold. Impact and abrasion resistant with embedded safety plates.

SHUR-RETURN™

Non-stretch solid braid rope with heavy-duty steel tension spring. Works well in cold weather.

Shur-Lok® provides you with watertight dependability for increased productivity and less downtime. The Shur-Flex™ crank offers convenient flexibility. It folds at the knuckle and secures with offset or pinless offset retainers. No more pin-and-cable hassles.

The front fabric cap makes it easier to come over the top of the doghouse. Double bows secure into a double bow bracket, exactly the right spacing for tightening down the front of the tarp. The front stretch roll return guides the roll tarp over the end cap. Reinforced stitching along the radius corner of the fabric cap helps the tarp withstand the stresses of highway speed.

**Electric Shur-Lok® options are also available for most trailer types.*

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MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about Shur-Lok® features.



WASTE/REFUSE TRAILERS

COMPLETE KITS | KIT INCLUDES 2" ROLL TUBE | *Tarp Included*

SUPER-DUTY 18-OZ		MESH
BOX LENGTH	38'	
	40'	
	42'	
	44'	
	46'	
	48'	
	50'	
	52'	
	54'	

COMPLETE KITS | KIT INCLUDES 3" ROLL TUBE*

Tarp Included

SUPER-DUTY 18-OZ		MESH
BOX LENGTH	38'	
	40'	
	42'	
	44'	
	46'	
	48'	
	50'	
	52'	
54'		

*Kits w/ 3" roll tube for electric kits only.

HARDWARE QTY

SIZE	TARP STOPS	U-CLAMPS
35' to 38'	6	14
39' to 43'	6	14
44' to 46'	7	16
47' to 50'	7	16
51' to 54'	8	18

STANDARD FEATURES AND OPTIONS

A	LATCHPLATES	
	• Aluminum Latchplate	Standard
B	TARP STOPS	
	• 6" Offset Belt Flex™ Tarp Stop	Standard
1	6" Offset Flexible Easy-Off Tarp Stop	Deduct/Ea.
2	6" Offset Easy-Off Tarp Stop	Deduct/Ea.
3	Easy-Off Belt Flex™ Tarp Stop	Deduct/Ea.
4	Flexible Easy-Off Tarp Stop	Deduct/Ea.
5	Easy-Off Tarp Stop	Deduct/Ea.
C	BOWS/BRACKETS	
	• No Bows	Standard
D	END CAPS	
	• Aluminum (Flat) End Caps	Standard
1	Poorboy Rear Tapered Flap	N/C
2	No Rear Cap (Flat)	Deduct
3	Aluminum Universal (Flat) Front Cap	Add
4	Poorboy Front Tapered Flap	N/C
5	Poorboy Front Radius/Diagonal Fitted Flap	Add
6	No (Flat) Front Cap	Deduct
E	RIDGE SUPPORTS	
	• No Ridge Strap	Standard
F	ROLL RETURN	
	• Shur-Return™	Standard
1	Stretch Cord Return	Deduct
2	Front Cable Return	Add
3	Heavy-Duty Arm Return	Add
G	CRANK ARMS	
	• 96" Shur-Flex™ Crank Arm	Standard
1	80" Shur-Flex™ Crank Arm	N/C
2	Standard Crank Arm w/96" Extension	Deduct
3	Long Crank Arm w/80" Extension	Deduct
H	RETAINERS	
	• Offset Retainers (4 with Shur-Flex™)	Standard
	• Offset Retainers (2 with Standard Crank)	Standard
1	Offset Pinless Retainer (4)	Add/Set
2	Offset Pinless Retainer (2)	Add/Set
J	TARP OPTIONS	
	• 18-Oz Vinyl Tarp - Choice of Color	*Standard
	• Mesh Tarp	**Add
1	Multicolored Fabric (Per Added Color)	Add
2	Mesh Insert 72" x 26'	***Add/Ea.
3	Tarp Reinforcements	Add/Ft.
K	OTHER OPTIONS	
1	Rear Cable Return - Use w/Metal Caps	Add
2	Standard Tarp Repair Kit	Add
3	Professional Tarp Repair Kit	Add
4	Molded Roll Tube Deflectors (2)	Add/Set

*Available Colors: black, red, white, royal blue, green, gray, maroon, yellow and grape. Grape and yellow N/A in 22-Oz. For tan CALL.

**Available Colors: black only.

***Inserts smaller than standard size will be priced the same. If larger than standard, a special quote will be needed.

TARP PRICING DIRECTIONS

Pricing given is for black fabric ONLY; add tarp options for a final price. For all other colors, add tarp price and tarp options, find the subtotal and then add a 15% upcharge. [TARP + OPTIONS = SUBTOTAL x 15% = UPCHARGE] Additional available colors: black, red, white, royal blue, green, gray, maroon, yellow and grape. Grape and Yellow N/A in 22-Oz.. For tan CALL.

Replacement tarp pricing for 2" & 3" roll tubes are the same price. The roll tube pocket for a 2" roll tube is 5" and the pocket for a 3" roll tube is 7".

SUPER DUTY/MESH: Finished tarp width is opening width PLUS 27".

		(BOX WIDTH) FINISHED TARP WIDTH			
BOX LENGTH		(96") / 123"	(102") / 129"	(96") / 123"	(102") / 129"
		SUPER DUTY - 18-OZ		SUPER DUTY - 22-OZ	
				MESH	
	37'				
	38'				
	39'				
	40'				
	41'				
	42'				
	43'				
	44'				
	45'				
	46'				
	47'				
	48'				
	49'				
	50'				
	51'				
	52'				
	53'				
	54'				

18-OZ TARP OPTIONS		PRICE
Multicolored Fabric *	Add	
Tarp Reinforcements	Add/Ft.	
Poorboy Rear Tapered Flap	Add	
Poorboy Front Tapered Flap	Add	
Poorboy Diag./Radius fitted Flap	Add	
Additional 6" in Width	Add/Ft.	

*Additional cost per added color.

22-OZ/MESH TARP OPTIONS		PRICE
Multicolored Fabric *	Add	
Tarp Reinforcements	Add/Ft.	
Poorboy Rear Tapered Flap	Add	
Poorboy Front Tapered Flap	Add	
Poorboy Diag./Radius fitted Flap	Add	
Additional 6" in Width	Add/Ft.	

*Additional cost per added color.

U-CLAMPS		PRICE
2" ROLL TUBE		
1115966	U-Clamp Kit 2" - (3)	
1118643	U-Clamp Kit 2" - (8)	
1118644	U-Clamp Kit 2" - (10)	
1118663	U-Clamp Kit 2" - (14)	
3" ROLL TUBE		
1126790	U-Clamp Kit 3" - (3)	
1126791	U-Clamp Kit 3" - (8)	
1126792	U-Clamp Kit 3" - (10)	
1126793	U-Clamp Kit 3" - (14)	

NOTE: Includes self-tapping screws.

SIZE	U-CLAMPS
10' to 18'	8
19' to 34'	10
35' to 43'	14
44' to 50'	16
51' to 54'	18

BELT 'N RATCHET

HOLD-DOWNS

The 2" hold-downs secure the tarp tube for uniform tension across the tarp and make tension adjustments quick and easy. These can be ordered as strap tie-downs or as ratchets with optional quick-release straps.

3" OFFSET EASY-OFF TARP STOP

Designed for maximum loading space. The self-cleaning design prevents buildup around the fixed tube. Permits fast, easy tarp removal with minimum tools.

6" OFFSET FLEXIBLE EASY-OFF TARP STOP

Bends even in subzero cold. Impact and abrasion resistant with embedded safety plates for added durability. Designed for maximum loading space.

VINYL TARP

Made of a solid vinyl-coated fabric for a more durable and longer tarp life. All seams are heat-welded to provide an added moisture barrier. Built in UV inhibitor resist fading. Available in 18 and 22-oz. material.

MESH TARP

Made of a durable lightweight fabric this option offers good air circulation in addition to secure containment. Seams are heat-welded for added durability.

KEY FEATURES

- Easy-Off Aluminum Tarp Stop
- Solid Vinyl Tarp with Flaps to Fully Seal Container
- Bows Support to Shed Water when Tarp is Closed
- Fits Container Lengths from 12' to 26'
- Removable Crank with Box Mounted Storage Retainers

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MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about Premium Belt 'N Ratchet features.

WASTE/REFUSE TRAILERS | ROLL-OFF CONTAINERS

FITS BOXES AND TRAILERS - UP TO 26' | *Tarp Included*

KIT NAME	LENGTH	BELTS	FLAPS	TARP MATERIAL	P/N	PRICE
Belt 'N Ratchet Container Kit	12'	3	Front & Rear	18-oz Vinyl	1127027	
Belt 'N Ratchet Container Kit	14'	3	Front & Rear	18-oz Vinyl	1127028	
Belt 'N Ratchet Container Kit	16'	3	Front & Rear	18-oz Vinyl	1127029	
Belt 'N Ratchet Container Kit	18'	3	Front & Rear	18-oz Vinyl	1127030	
Belt 'N Ratchet Container Kit	20'	3	Front & Rear	18-oz Vinyl	1127031	
Belt 'N Ratchet Container Kit	22'	3	Front & Rear	18-oz Vinyl	1127032	
Belt 'N Ratchet Container Kit	24'	3	Front & Rear	18-oz Vinyl	1127033	
Belt 'N Ratchet Container Kit	26'	4	Front & Rear	18-oz Vinyl	1127034	

Includes: 5' Belt w/2" Ratchet Hold Downs, Easy-Off Tarp Stops, Galvanized (LR) Bows/Brackets, NO End Caps, NO Ridge Supports, NO Return, Standard Square Key Crank Arm, Offset Standard Retainer (2), 2" Roll Tube, 18-oz Vinyl Tarp.

FITS BOXES AND TRAILERS - UP TO 53' | *Tarp Included*

KIT NAME	LENGTH	WIDTH	BELTS	FLAPS	TARP MATERIAL	P/N	PRICE
Belt 'N Ratchet Transfer Kit	45'	96"	5	Front & Rear	Gator Mesh	1127035	
Belt 'N Ratchet Transfer Kit	48'	96"	5	Front & Rear	Gator Mesh	1127036	
Belt 'N Ratchet Transfer Kit	53'	96"	5	Front & Rear	Gator Mesh	1127037	
Belt 'N Ratchet Transfer Kit	45'	102"	5	Front & Rear	Gator Mesh	1127038	
Belt 'N Ratchet Transfer Kit	48'	102"	5	Front & Rear	Gator Mesh	1127039	
Belt 'N Ratchet Transfer Kit	53'	102"	6	Front & Rear	Gator Mesh	1127040	

Includes: 9' Belt w/2" Ratchet Hold Downs, Easy-Off Tarp Stops, NO End Caps, NO Ridge Supports, Rope Return, Crank Arm w/Extension & Square Key, Offset Standard Retainer (2), 2" Roll Tube, Gator Mesh Tarp.

COMPLETE KITS | KITS INCLUDE 2" ROLL TUBE | *Tarp Included*

BOX LENGTH	18-OZ	MESH
	38'	
	40'	
	42'	
	44'	
	46'	
	48'	
	50'	
	52'	
	54'	

COMPLETE KITS | KITS INCLUDE 3" ROLL TUBE* | *Tarp Included*

BOX LENGTH	18-OZ	MESH
	38'	
	40'	
	42'	
	44'	
	46'	
	48'	
	50'	
	52'	
	54'	

HARDWARE QTY

SIZE	TARP STOPS	U-CLAMPS	RATCHETS
35' to 38'	6	14	6
39' to 43'	6	14	6
44' to 46'	7	16	7
47' to 50'	7	16	7
51' to 54'	8	18	8

STANDARD FEATURES AND OPTIONS

A HOLD-DOWNS	
• 9' Belt w/2" Ratchet Hold Down	Standard
1 Strap Hold-Down w/Hooks	Add/Ea.
2 Cable Hold-Down	Add/Ea.
B TARP STOPS	
• 6" Offset Belt Flex™ Tarp Stop	Standard
1 6" Offset Flexible Easy-Off Tarp Stop	Deduct/Ea.
2 6" Offset Easy-Off Tarp Stop	Deduct/Ea.
3 Easy-Off Belt Flex™ Tarp Stop	Deduct/Ea.
4 Flexible Easy-Off Tarp Stop	Deduct/Ea.
5 Easy-Off Tarp Stop	Deduct/Ea.
C BOWS/BRACKETS	
• No Bows	Standard
D END CAPS	
• Aluminum (Flat) End Caps	Standard
1 Poorboy Rear Tapered Flap	N/C
2 No (Flat) Rear Cap	Deduct
3 Aluminum Universal (Flat) Front Cap	Add
4 Poorboy Front Tapered Flap	N/C
5 Poorboy Front Radius/Diagonal Fitted Flap	Add
6 No (Flat) Front Cap	Deduct
E RIDGE SUPPORTS	
• No Ridge Strap	Standard
F ROLL RETURN	
• Rope Return	Standard
G CRANK ARMS	
• Crank Arm w/Extension/Square Key	Standard
1 Standard Square Key Crank Arm	Deduct
2 Leave-On Crank Option	*Add
H RETAINERS	
• Offset Standard Retainer (2)	Standard
1 Offset Pinless Retainer (2)	Add/Set
J TARP OPTIONS	
• 18-Oz Vinyl Tarp - Choice of Color	**Standard
• Mesh Tarp	***Add
1 Multicolored Fabric (Per Added Color)	Add
2 Mesh Insert 72" x 26'	****Add/Ea.
3 Tarp Reinforcements	Add/Ft.
K OTHER OPTIONS	
1 Rear Cable Return - Use w/Metal Caps	Add
2 Standard Tarp Repair Kit	Add
3 Professional Tarp Repair Kit	Add
4 Molded Roll Tube Deflectors (2)	Add/Set

*Includes stretch cord return and wire lock pin.

**Available colors: black, red, white, royal blue, green, gray, maroon, yellow and grape. Grape and yellow NA in22-Oz. For tan CALL.

***Available in black only.

****Inserts smaller than standard size will be priced the same. If larger than standard, a special quote will be needed.

ROLL-OFF CONTAINER TARPS

FABRIC	KIT SIZE	TARP SIZE	FABRIC	P/N	PRICE
Belt 'N Ratchet Tarp	12'	14'3" x 115"	18-oz Vinyl	1901600	
Belt 'N Ratchet Tarp	14'	16'3" x 115"	18-oz Vinyl	1901601	
Belt 'N Ratchet Tarp	16'	18'3" x 115"	18-oz Vinyl	1901602	
Belt 'N Ratchet Tarp	18'	20'3" x 115"	18-oz Vinyl	1901603	
Belt 'N Ratchet Tarp	20'	22'3" x 115"	18-oz Vinyl	1901604	
Belt 'N Ratchet Tarp	22'	24'3" x 115"	18-oz Vinyl	1901605	
Belt 'N Ratchet Tarp	24'	26'3" x 115"	18-oz Vinyl	1901606	
Belt 'N Ratchet Tarp	26'	28'3" x 115"	18-oz Vinyl	1901607	

TRANSFER TRAILER TARPS

KIT NAME	KIT SIZE	TARP SIZE	FABRIC	P/N	PRICE
Belt N' Ratchet Tarp	45' x 96"	45' x 117"	Gator Mesh	1902067	
Belt N' Ratchet Tarp	48' x 96"	48' x 117"	Gator Mesh	1902068	
Belt N' Ratchet Tarp	53' x 96"	53' x 117"	Gator Mesh	1902069	
Belt N' Ratchet Tarp	45' x 102"	45' x 123"	Gator Mesh	1902064	
Belt N' Ratchet Tarp	48' x 102"	48' x 123"	Gator Mesh	1902065	
Belt N' Ratchet Tarp	53' x 102"	53' x 123"	Gator Mesh	1902066	

	(BOX WIDTH) FINISHED TARP WIDTH			
	(96") / 112"	(102") / 118"	(96") / 112"	(102") / 118"
	18-OZ TARP	22-OZ TARP	MESH	
37'				
38'				
39'				
40'				
41'				
42'				
43'				
44'				
45'				
46'				
47'				
48'				
49'				
50'				
51'				
52'				
53'				
54'				

TARP PRICING DIRECTIONS

Pricing given is for black fabric ONLY; add tarp options for a final price. For all other colors, add tarp price and tarp options, find the subtotal and then add a 15% upcharge. [TARP + OPTIONS = SUBTOTAL x 15% = UPCHARGE] Additional available colors: black, red, white, royal blue, green, gray, maroon, yellow and grape. Grape and Yellow N/A in 22-Oz.. For tan CALL.

NOTE: Replacement tarp pricing for 2" & 3" roll tubes are the same price. The roll tube pocket for a 2" roll tube is 5" and the pocket for a 3" roll tube is 7".

18-OZ TARP OPTIONS	PRICE
Tarp Reinforcements	Add/Ft.
Poorboy Rear Tapered Flap	Add
Poorboy Front Tapered Flap	Add
Poorboy Diag./Radius Fitted Flap	Add
Additional 6" in Width	Add/Ft.

MESH/22-OZ TARP OPTIONS	PRICE
Tarp Reinforcements	Add/Ft.
Poorboy Rear Tapered Flap	Add
Poorboy Front Tapered Flap	Add
Poorboy Diag./Radius fitted Flap	Add
Additional 6" in Width	Add/Ft.

U-CLAMPS	PRICE
2" ROLL TUBE	
1115966	U-Clamp Kit 2" - (3)
1118643	U-Clamp Kit 2" - (8)
1118644	U-Clamp Kit 2" - (10)
1118663	U-Clamp Kit 2" - (14)
3" ROLL TUBE	
1126790	U-Clamp Kit 3" - (3)
1126791	U-Clamp Kit 3" - (8)
1126792	U-Clamp Kit 3" - (10)
1126793	U-Clamp Kit 3" - (14)

NOTE: Includes self-tapping screws.

SIZE	U-CLAMPS
35' to 43'	14
44' to 50'	16
51' to 54'	18

4500 SERIES HD

KEY FEATURES

- Spiral Spring Returns
- HD Front/Rear Aluminum Torsion Arms with Flex-Elbow and Boot
- HD Mounting Bracket
- Dual-Pivot Motor Mount
- Custom Motor Shroud
- Sealed Control Box
- SMARTwire™ Sealed Harness
- ShurLink PRO™ and ShurLink EZR™ Remote System Capabilities, See Accessories Section in Catalog for Details

The 4500 Series HD features a powerful USA-made motor with all-metal gearbox and an incredibly reliable magnetic brake. Heavy-duty torsion arms are equipped with patented durable elbows for flexibility to move smoothly over loads.

Available for all trailer makes and models! The 4500 Series HD's motor produces optimal rather than increased torque (which can harm to your tarp system). No electrical energy is used to actuate the brake, so there are no electrical connections to misfire. A patented pivoting motor mount allows for any misalignment of the roll tube without stress to the system.

The heavy-duty arms are the strongest in the industry, backed with a lifetime warranty. They come preassembled with a super-sturdy mounting bracket (no bracket plate needed in most installs). The roller bearing - style rear arm bracket has a low-friction design that won't wear out. Both arms are inset to prevent obstruction of clearance lights.

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TARP MATERIALS

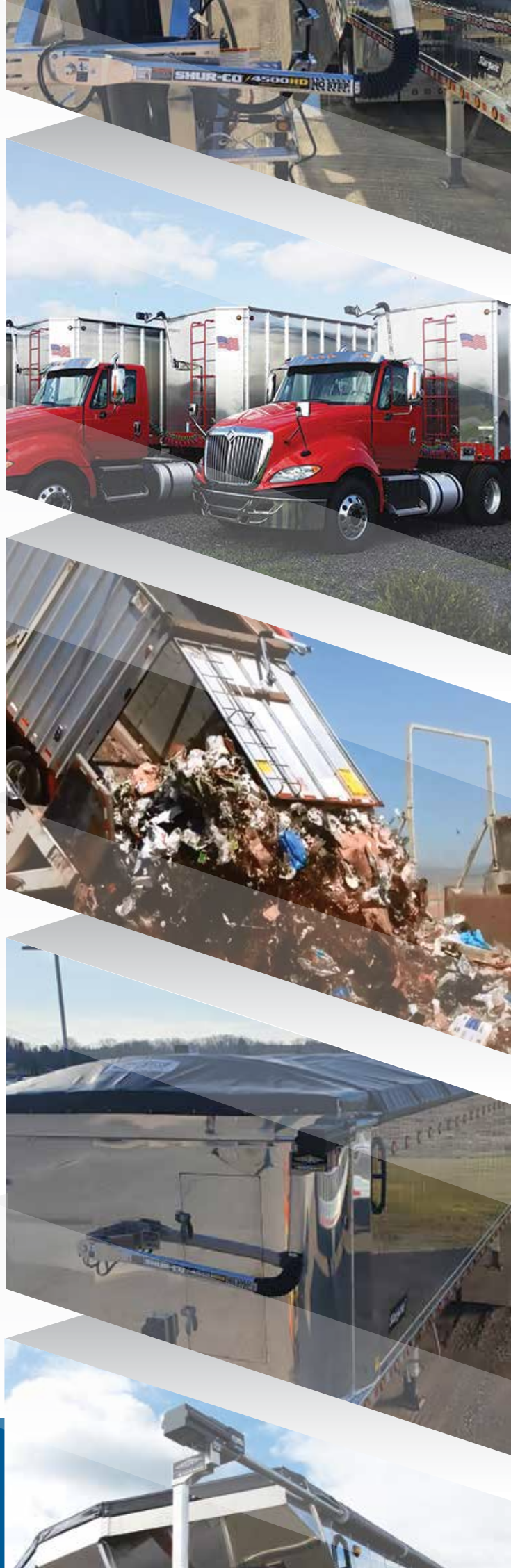
ACCESSORIES

REPLACEMENT PARTS



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about 4500 Series HD features.



WASTE/REFUSE TRAILERS

MODE OF OPERATION | ROCKER

KIT NAME	ARM TYPE	FRONT	REAR	REAR RETURN	ROLL TUBE	PRICE
4500 Series HD	Double Arm	Vertical	Top Hinge	4-Spiral Torsion Springs	2"	
4500 Series HD	Double Arm	Vertical	Side Hinge	4-Spiral Torsion Springs	2"	
4500 Series HD	Single Arm	Vertical	N/A	Shur-Strap™	2"	
4500 Series HD	Double Arm	Vertical	Top Hinge	4-Spiral Torsion Springs	3"	
4500 Series HD	Double Arm	Vertical	Side Hinge	4-Spiral Torsion Springs	3"	
4500 Series HD	Single Arm	Vertical	N/A	Shur-Strap™	3"	

MODE OF OPERATION | SHURLINK EZR™

KIT NAME	ARM TYPE	FRONT	REAR	REAR RETURN	ROLL TUBE	PRICE
4500 Series HD	Double Arm	Vertical	Top Hinge	4-Spiral Torsion Springs	2"	
4500 Series HD	Double Arm	Vertical	Side Hinge	4-Spiral Torsion Springs	2"	
4500 Series HD	Single Arm	Vertical	N/A	Shur-Strap™	2"	
4500 Series HD	Double Arm	Vertical	Top Hinge	4-Spiral Torsion Springs	3"	
4500 Series HD	Double Arm	Vertical	Side Hinge	4-Spiral Torsion Springs	3"	
4500 Series HD	Single Arm	Vertical	N/A	Shur-Strap™	3"	

MODE OF OPERATION | SHURLINK PRO™

KIT NAME	ARM TYPE	FRONT	REAR	REAR RETURN	ROLL TUBE	PRICE
4500 Series HD	Double Arm	Vertical	Top Hinge	4-Spiral Torsion Springs	2"	
4500 Series HD	Double Arm	Vertical	Side Hinge	4-Spiral Torsion Springs	2"	
4500 Series HD	Single Arm	Vertical	N/A	Shur-Strap™	2"	
4500 Series HD	Double Arm	Vertical	Top Hinge	4-Spiral Torsion Springs	3"	
4500 Series HD	Double Arm	Vertical	Side Hinge	4-Spiral Torsion Springs	3"	
4500 Series HD	Single Arm	Vertical	N/A	Shur-Strap™	3"	

NOTE: Choosing heavy-duty Shur-Return™ instead will NOT permit manual override while heavy-duty cable return will.

CONVERSION COMPONENTS

KIT NAME	P/N	PRICE
Alum Roll Tube - 3" x 12'	1118639	
Alum Roll Tube - 3" x 16'	1704439	
Alum Roll Tube - 3" x 20'	1704398	
Alum Roll Tube - 3" x 24'	1704236	
Alum Splice Tube - 3"	1704863	
Manual Crank Kit - 3"	1122879	

STANDARD FEATURES AND OPTIONS

A RETURNS			
• 4-Spiral Torsion Springs per Arm	Standard		
• Shur-Strap™ - Single Arm Kits	Standard		
1 Heavy-Duty Shur-Return™	*N/C	N/C	
2 Heavy-Duty Cable Return	*N/C	N/C	
B MOUNTING BRACKETS			
• Heavy-Duty Aluminum Brackets	Standard		
C TORSION ARMS			
• Heavy-Duty Aluminum Arms	Standard		
D MOTOR COVERS			
• Black Motor Cover	Standard		
1 Chrome Motor Cover	Add		
E WIRING			
• Cab Wiring Kit - 6 Ga. x 30' Wire	Standard		
• Trailer Wiring Kit - 6 Ga. w/SMARTwire™	Standard		
F SPLINE CAPABILITY			
• Gate Flex™ - Double Arm Kits	Standard		
• Shur-Strap™ - Single Arm Kits	**Standard		
1 Mnl Override - Needed w/Hinge Depth Over 2"	Add		
G OTHER OPTIONS			
1 Offset Crank Retainers (2 are required)	***Add/Ea		
2 Extra ShurLink EZR™ Remote	Add		
3 Extra ShurLink PRO™ Remote	Add		
ACCESSORIES			
1131664 ShurLink™ LiteALL™ - 2 Light	Add/Ea		

*Returns should be chosen according to trailer configuration.

**Exposed Spline

***Used to store crank arm.

OPTIONS AND FEATURES

ELECTRIC OPERATION

MOTOR REVERSING SOLENOID
P/N 1703845



SOLENOID COVER
P/N 1703896



SPRINGS

FLAT COIL SPRING
P/N 1111027



APEX™

TIGHT SPACING

In situations where operators have limited spacing between the back of the cab and the front of the trailer, tight turns can damage automatic tarp system components. The APEX™ system's low-profile electric motor allows use of the APEX™ system on trailers when other covering systems may not be a viable option.

CHALLENGING REAR DOOR HINGES

Unique two-knuckle rear arm (patent pending) allows APEX™ to operate effectively on trailers where rear door top hinges are located as much as 10" forward from the rear of the trailer. Forward-mounted rear hinges render most other tarp systems' rear arms unusable. The APEX™ gets the job done when others cannot.

SUPERIOR MOTOR AND CIRCUIT PROTECTION

APEX™ offers "Express Mode" functionality when used with capable models of Shur-Co's ShurLink™ wireless remote controls, which provides automatic, one-push covering and uncovering without current spikes. SMARTwire™ Connectors seal all terminal connections and eliminate corrosion.

RETROFIT-ABLE

APEX™ is compatible with most brands of roll tarp systems with flat caps. Owners of manual side-to-side tarp systems interested in converting to electric OR those unsatisfied with their current electric tarp systems can upgrade by retrofitting their trailer with the APEX™.

KEY FEATURES

- Easily Covers Chip/Refuse Loads as Tall as 24' Above Trailer Top Rail
- Fits Trailers with Reduced Spacing Between the Tractor and the Trailer
- Superior Motor & Circuit Protection
- Retrofit-able to Trailers Pre-Installed Tarp Systems
- ShurLink PRO™ and ShurLink EZR™ Remote Systems Capabilities, See Accessories Section in Catalog for Details

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MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about APEX™ features.



WASTE/REFUSE TRAILERS

COMPLETE KIT

KIT NAME	ROCKER	ROCKER GATEFLEX™	EZR™	EZR™ GATEFLEX™	PRO	PRO GATEFLEX™
APEX™ - Standard Roll	1810369	1810371	1811700	1811704	1811701	1811705
APEX™ - Reverse Roll	1810370	1810372	1811702	1811706	1811703	1811707

PIPE KITS - LONG PIPE			P/N	PRICE
44' - 47'	48' of Pipe w/Splices and 22 U-Clamps & Screws	Add	1810392	
47' - 51'	52' of Pipe w/Splices and 22 U-Clamps & Screws	Add	1810393	
51' - 53'	56' of Pipe w/Splices and 22 U-Clamps & Screws	Add	1810394	

PIPE KITS - SHORT PIPE			P/N	PRICE
44' - 47'	48' of Pipe w/Splices and 22 U-Clamps & Screws	Add	1811750	
47' - 51'	52' of Pipe w/Splices and 22 U-Clamps & Screws	Add	1811751	
51' - 53'	56' of Pipe w/Splices and 22 U-Clamps & Screws	Add	1811752	

OPTIONS AND FEATURES

ELECTRIC OPERATION

MOTOR REVERSING
SOLENOID

P/N 1703845



SOLENOID COVER

P/N 1703896



SPRINGS

FLAT COIL SPRING

P/N 1111027



TARPS & ACCESSORIES



SHURLINK™

KEY FEATURES

- Two new water-tight receiver enclosures and two new remotes.
- ShurLink™ utilizes a single communication platform for all devices, allowing the new family of receivers and remotes to conveniently operate nearly every application.
- A phone app brings the ability for customization and configuration to your ShurLink™ system. Available for iOS and Android.
- EZR™, PRO and the app all use the same ShurLink™ Wireless System, making it easy to mix and match any combination of remotes, the app, and the receivers on a single trailer or train.



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details the ShurLink™ Wireless Remote System.



E-COMMERCE STORE

Search through our large selection of Genuine replacement parts, tarps, and more. Shop Shur-Co® today!

The ShurLink™ Wireless System, offered exclusively from Shur-Co® introduces innovative, new properties while retaining your favorite features from its predecessor, the SMARTransmitter® series. ShurLink™ Wireless System has replaced the SMART2™ and SMART3™ remotes with two new remotes, the ShurLink EZR™ and the ShurLink PRO™.

As an innovator in the tarping industry, Shur-Co™ has a long-standing tradition of engineering, manufacturing and selling the most advanced products on the market. This tradition continues with ShurLink™. See below to compare the features of the new remote series.

SMART REMOTE TO SHURLINK™ REMOTE (TX) COMPARISON

FEATURES	SMART3™ (DISCONTINUED)	ShurLink EZR™	SMART2™ (DISCONTINUED)	ShurLink PRO™
Operation Type	Hand Held Remote	Hand Held Remote	Hand Held Remote	Hand Held Remote
Operation Technology	SMARTech™	ShurLink™ Technology	SMARTech™	ShurLink™ Technology
Wireless Operation Available	Yes	Yes	Yes	Yes
Wireless Range	<100 Feet	Up to 150 Feet	<100 Feet	Up to 150 Feet
Wireless Two-Way Communication	No	No	Yes	Yes
Precision Control	Yes	Yes	Yes	Yes
Number of Devices	5	5	100	30
Power Source	Two AAA Batteries	Two AAA Batteries	Rechargeable Lithium Bat.	Rechargeable Lithium Bat.
Battery Charging Cradle	No	No	Yes	Yes
Digital Display	No	No	Yes, Black and White	Yes, Colored
Ability to Name Devices	Sticker on Remote Only	Sticker on Remote Only	With Digital Display	With Digital Display
Ability to Reorder Paired Device List	No	No	Yes	Yes
Current/Active Device ID	Yes	Yes	Yes, with Status Bar	Yes, with Status Bar
Back-lit Digital Display	No	No	Yes	Yes
Sealed Control Box	Yes	Yes	Yes	Yes
Utilizes SMARTwire™ Connections	Yes	Yes	Yes	Yes
Protective Flip-Style Cover	Yes	Yes	Yes	Yes
Buttons Protected by Cover	Yes	Yes	Yes (Key)	Yes
Any Button Emergency Shut-Off	Yes	Yes	Yes	Yes
Interference by Competing Remote	No	No	No	No



APP STORE



YOUTUBE

SHURLINK™ APP

Download the ShurLink™ Wireless app by scanning the APP STORE QR code. Scan the YOUTUBE QR code for product support.

LITEALL™

WORK LIGHTS

High-intensity LED flood beam in hinged bracket swivels to direct light. 13' power cord has automotive-style quick connections.

SHURLINK™ WIRELESS REMOTE OPERATION

SMART-touch technology for precision control of Shur-Co® electrics! The ShurLink PRO™ remote offers 2-way communication in an easy-to-read digital display.

20" EXTENSION CABLE

Two-conductor 16-gauge cable provides additional positioning flexibility for LiteALL™ flood beams. Automotive-style quick connections make for easy installation of wiring.



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details the LiteALL™ wireless LED work light.



E-COMMERCE STORE

Search through our large selection of Genuine replacement parts, tarps, and more. Shop Shur-Co® today!



SHURLINK™ LITEALL™

w/ SMARTwire™ ADAPTER	P/N	PRICE
ShurLink™ LiteALL™ - 2 Light	1131664	
w/o SMARTwire™ ADAPTER	P/N	
ShurLink™ LiteALL™ - 2 Light	1131666	

NOTE: Includes control module, lights, complete mounting hardware. Does NOT include remote or extension cable.



LITEALL™ COMPONENTS

CONTROL MODULE	P/N	PRICE
ShurLink™ Control Module w/WeatherPack™	1131665	
REMOTES	P/N	PRICE
ShurLink EZR™ Remote	1131576	
ShurLink PRO™ Remote w/Cradle/Charging Cable	1131575	
ShurLink™ Charg. Cable USB - A-Male to C-Male - 3'	1706836	
WORK LIGHT	P/N	PRICE
LED Work Light w/WeatherPack™ Connector	1122706	
Work Light Mtg Hdw	1120672	
EXTENSION CABLES	P/N	PRICE
Extension Cable w/WeatherPack™ - 16 Ga. - 10'	1126433	
Extension Cable w/WeatherPack™ - 16 Ga. - 20'	1122742	
Extension Cable w/WeatherPack™ - 18 Ga. - 20'	1122704	
SMARTwire™ CONNECTORS	P/N	PRICE
SMARTwire™ Adapter w/WeatherPack™	1122690	
SMARTwire™ Dual-Conductor Socket - 6 Ga. x 3'6"	1120670	
OUTPUT HARDWARE	P/N	PRICE
Output Splitter w/WeatherPack™	1122705	
Output Adapter Cable	1127599	
JUNCTION HARDWARE	P/N	PRICE
Junction Block Kit w/Harness Plug (1)	1120849	

EXTENSION CABLES

P/N 1126433 - 16 Ga. x 10'

P/N 1122742 - 16 Ga. x 20'

P/N 1122704 - 18 Ga. x 20'



- For power connection w/WeatherPack™ connectors provide additional flexibility in mounting location of control module.
- Available in 10' or 20' lengths.
- Two-conductor 18-ga. cable offers additional positioning flex for LiteALL™ LED flood beams.
- WeatherPack™ Connectors makes for east install.

WORK LIGHT

P/N 1122706



- High-intensity LED flood beam in hinged bracket swivels to direct light.
- 13" cord WeatherPack™ connectors.
- Power: 24 watts. Outputs: 1600 lumens. IP Rating: AP67. Estimated Life: 30,000 Hours. Purchase of Mounting HDW Kit recommended for each light purchased. Contains rubber grommet insert, rubber grommet, nylon wire clips (6), self-drilling screws (6).

SMARTWIRE™ ADAPTER

P/N 1122690



- Easy install to SMARTwire™ systems: 4500 Series HD, Auto-Trap™ and ProTrap®. User supply 12V DC current to LiteALL™ module.
- Reduces wiring of connectors and eliminates need to splice into existing truck/trailer wiring.
- 14-ga. 1' extension. Also available with molded 2-way bullet connector.

JUNCTION BLOCK KIT W/HARNESS PLUG

P/N 1120849



- Provides connection to 12V power on pre-existing 4500 systems (already installed on 4500 HD/ProTrap® combo kits).
- On existing systems, unplug SMARTwire™ dual-connector socket from 4500 receiver box and insert SMARTwire™ junction block.
- LiteALL™ will then draw power from block using SMARTwire™ adapter wire w/WeatherPack™ connectors.

2-WAY CONDUCTOR SOCKET

P/N 1120670



- Provides trailer socket connection for supplying 12V power if none previously exists.
- Opposite end of 3" conductor socket wire is plug-and-play compatible with SMARTwire™ junction blocks.

SERVICE TRUCK POWER KITS

KEY FEATURES

- Mounts on the Vehicle Grille or other Convenient Locations
- Provides Power to Trailers with Horizontal or Vertical Power Sockets
- Ideal for Machinery that may Require Frequent jump starts
- Sealed SMARTwire™ Connector Mid-Jumper Cables/Service Truck
- Run Tarp Systems that are Typically Operated by Rocker Switch
- Light up the Scene with LiteALL™ LED Flood Beam
- Increase the Number of Sealed SMARTwire™ Connections
- Extend your Reach with Extension Cables from Your Service Truck to the Accessories



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about our Service Truck Power Kits.



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2-WAY CONDUCTOR PLUG

P/N 1128066



JUMPER CABLE KIT

P/N 1128067



ROTARY SWITCH

P/N 1128410



2-WAY CONDUCTOR SOCKET

P/N 1120670



JUNCTION BLOCK W/HARNESS PLUG

P/N 1120849



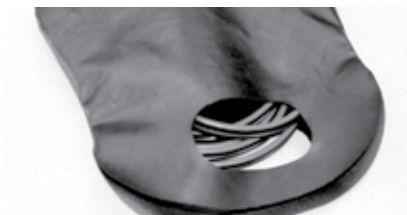
EXTENSION CABLE

P/N 1128099 - 8' P/N 1128101 - 16'
P/N 1128100 - 12' P/N 1128102 - 20'



ACCESSORIES BAG

P/N 1128299



LED WORK LIGHTS

P/N 1128324



MOUNTS ON VEHICLE GRILLE OR OTHER CONVENIENT LOCATION	P/N	PRICE
Service Truck Power Kit w/Male 2-Pole Conductor	1128052	
Base Service Truck Power Kit	1128064	
Service Truck Power Kit w/o Circuit Breaker	1128488	
- 4-Ga. Wire, 12' Long		
- High-Quality Manual Reset Circuit Breaker		
POWER FOR TRAILERS WITH HORIZONTAL OR VERTICAL SOCKETS	P/N	PRICE
2-Way Conductor Plug	1128065	
- 6-Ga. Wire, 10' Long		
- Use w/Service Truck Power Kit and 2-Way Socket		
IDEAL FOR MACHINERY NEEDING FREQUENT JUMP STARTS	P/N	PRICE
2-Way Conductor Socket	1128066	
- 6-Ga. Wire, 3' 6" Long		
- Includes Mounting Bracket		
- Installs on Winches or other 12V Motors		
- Use w/Service Truck Power Kit and 2-Way Plug		
EXTENDS REACH FROM SERVICE TRUCK TO ACCESSORIES	P/N	PRICE
Extension Cable - 8'	1128099	
Extension Cable - 12'	1128100	
Extension Cable - 16'	1128101	
Extension Cable - 20'	1128102	
- 4-Ga. Wire in 4 Lengths		
- Use w/Service Truck Power Kit, 2-Way Plug and Jumper Cable Kit		
SEALED SMARTWIRE™ CONNECTION BETWEEN CABLES AND SERVICE TRUCK	P/N	PRICE
Jumper Cable Kit	1128067	
- 4-Ga. Wire, 12' Long		
- High-Quality, Insulated Cable Clamps		
- Use w/Service Truck Power Kit		
RUNS TARP SYSTEMS THAT ARE TYPICALLY OPERATED BY AN IN-CAB ROCKER SWITCH	P/N	PRICE
Rotary Switch	1128410	
- 6-Ga. Wire, 8' Length (4' Input, 4' Output)		
- Built-In High-Quality Reset Breaker		
LIGHT UP THE SCENE WITH A LITEALL™ LED FLOOD BEAM	P/N	PRICE
Service Truck LED Work Light	1128324	
- IP67 Waterproof Rating		
-1600 Lumens		
PLENTY OF ROOM FOR ALL KIT CHOICES LISTED ABOVE	P/N	PRICE
Service Truck Accessories Bag	1128299	

CONTROL MODULES

CONNECT TO YOUR SUPPLY VOLTAGE

These modules connect to supply voltage for smooth, seamless operation of your SMARTrailer™ accessories. When output is on, white output wire is connected to 12V; when off, it's grounded.

SAFETY LOCKOUT FEATURE

All modules except LiteALL™ have a safety lockout feature. While locked, outputs cannot be turned on using the control box. Safety lock is automatically disabled when using the remote. While locked, outputs cannot be turned on from the control box, but latching outputs can be turned off. To unlock, press and hold both box switches for one second.

EXTERNAL BOX SWITCHES

External box switches are used to pair the ShurLink™ remotes, PRO and EZR™, to the control box. Internal access is NOT required.



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LATCHING	P/N	PRICE
ShurLink™ Control Module - Latching - On/Off w/Safety Lockout	1131658	
- Conveyors: While output remains on, supplies 12V to customer-specific conveyor control solenoids. - Tag Axles: Can supply 12V continuous signal to customer-specific electric-over-pneumatic solenoids. - Pump Motors: Can supply 12V continuous signal to customer-specific pump motors or control solenoids.		
MOMENTARY	P/N	PRICE
ShurLink™ Control Module - Momentary - Up/Down	1131659	
ShurLink™ Control Module - Momentary - Left/Right	1131660	
ShurLink™ Control Module - Momentary - Extend/Retract	1131661	
- Auger Conveyors: Stops/Starts conveyor movement in applications where preexisting controls require a momentary 12V "on" signal to start conveyor, then a sub-sequent momentary 12V "off" signal to stop it. - Proportional Valves: Allows for momentary control of proportional valves (for speed control, for example). - Auger Hydraulics: Allow for momentary control of electric-over-hydraulic auger positioning cylinders.		
MOMENTARY	P/N	PRICE
Shur-Link™ Control Module - Momentary - Open/Closed	1131662	
- Proportional Valves: Allows for momentary control of proportional valves (for speed control, for example). - Auger Hydraulics: Allow for momentary control of electric-over-hydraulic auger positioning cylinders.		

4500

MOTOR

KEY FEATURES

- Direct-Drive Motor — No Chain-Driven Reduction
- Highly Reliable Magnetic Brake – No Electrical Energy Used to Actuate Brake, So There are No Electrical Connections to Misfire
- Durable All-Metal Gearbox
- 12-Volt Electrical Required
- Optimal Torque Rather Than Increased Torque for Tarps
- Features High-Efficiency Planetary Gear Reduction
- All Motors Have a 3-Year Warranty
- Available Motor P/N: **1120967**



APEX™ | IRONSIDE

MOTOR

KEY FEATURES

- Direct-Drive Motor — No Chain-Driven Reduction
- Highly Reliable Magnetic Brake – No Electrical Energy Used to Actuate Brake, So There are No Electrical Connections to Misfire
- Optimal Torque Rather Than Increased Torque for Tarps
- 12-Volt Electrical Required
- Optimal Torque Rather Than Increased Torque for Tarps
- All Motors Have a 3-Year Warranty
- Available Motor P/N: **1127091**



DURABUILT™

MOTOR

KEY FEATURES

- 90:1 Gear Ratio Provides Extra Torque
- 100% Sealed Motor and Gear Casings
- Replaces All Competitors Motors & Fits Front-to-Rear Systems
- 100% Quality Control Tested
- All Motors Have a 3-Year Warranty
- Available Motor P/N: **1704878** 12-Volt, 900W



MORE PRODUCT INFORMATION

Want to learn more? Simply scan to explore further details about our DuraBuilt™ Motor.

TARP REPAIR SUPPLIES

DESCRIPTION	P/N	PRICE
Professional Tarp Repair Kit	*1108059	
Standard Tarp Repair Kit	*1102111	
Strip Kit w/Glue	1120613	
Tarp Repair Kit w/ Vinyl Tape - 6" X 10'	1128814	
Vinyl Patch Kit	1801724	
Handi Grommet Kit w/Grommets	1703251	
1 Wooden Roller	1701391	
2 2" x 3" Patch w/Radius Corners	1111869	
3 3" x 4" Patch w/Radius Corners	1111870	
4 4" x 5" Patch w/Radius Corners	1111871	
5 3" Round Patch	1111872	
6 Vinyl-Coated Tarp Remnant - Black	1128714	
Vinyl-Coated Tarp Remnant (specify color)	1107371	
Vinyl Repair Tape - 6" x 50' (not shown)	**1706352	
7 HH-66 Thinner - Pint	1700697	
8 HH-66 Thinner - Gallon	1700602	
HH-66 Vinyl Cement - 8 Oz.	**1700356	
9 HH-66 Vinyl Cement - Pint	1801723	
10 HH-66 Vinyl Cement - Quart	1700355	
11 HH-66 Vinyl Cement - Gallon	1700354	
#3 Brass Grommet (minimum order 25)	**1700673	

*Black tarp unless otherwise specified.
**Not shown in diagram.

PROFESSIONAL KIT



STANDARD KIT



GROMMET KIT



EPDM RUBBER STRAP | BETTER FOR HOT CLIMATES

DESCRIPTION	MAX STRETCH	CASE QTY	P/N	PRICE
Natural Rubber Strap - 10" 15"	50	1702159		
Natural Rubber Strap - 15" 23"	50	1702160		
Natural Rubber Strap - 21" 32"	50	1702161		
Natural Rubber Strap - 31" 47"	50	1702162		
Natural Rubber Strap - 21" 62"	50	1702163		

EPDM RUBBER STRAP | BETTER FOR COLD CLIMATES

DESCRIPTION	MAX STRETCH	CASE QTY	P/N	PRICE
Natural Rubber Strap - 10" 15"	50	1700648		
Natural Rubber Strap - 15" 23"	50	1700649		
Natural Rubber Strap - 21" 32"	50	1700650		
Natural Rubber Strap - 31" 47"	50	1700651		

VINYL TARP

	STANDARD	PREMIUM COLORS: INCLUDE A 15% UP-CHARGE									
	BLACK	RED	WHITE	BLUE	GREEN	GRAY	MAROON	YELLOW	GRAPE	ORANGE	TAN
18-OZ. Vinyl	✓*	✓*	✓*	✓*	✓*	✓	✓	✓*	✓	**	CALL
22-OZ. Vinyl	✓*	✓	✓	✓	✓	✓	✓				CALL
CRXT	✓*	**		**							

*Available through any Shur-Co® (US) location.
**Available only through Shur-Co® Florida Location.

NOTE: Our fabric maintains consistent color year after year. However, we cannot guarantee an exact color match. Sometimes, variations in sheen can make the color appear slightly different. Please note that the colors shown may not exactly match the actual tarp color.

MESH TARP

	MIGHTY MESH® Strongest Truck Tarp Material Available		KNITTED BLACK Rip Resistant		WHITE POLYESTER Ideal for Cold-Weather Applications
	BLACK Heavy-Duty Mesh for Dump Trucks & Trailers		MULTI-COLOR PVC Industry Standard Truck Tarp Material		ORANGE KNITTED Mesh for Sidewinder™ II and Sidewinder™ 350
	BLACK GRID Mesh for Sidewinder™ II and Double-Flip™				

MORE PRODUCT INFORMATION

Scan the QR code for additional Mighty Mesh® product information.

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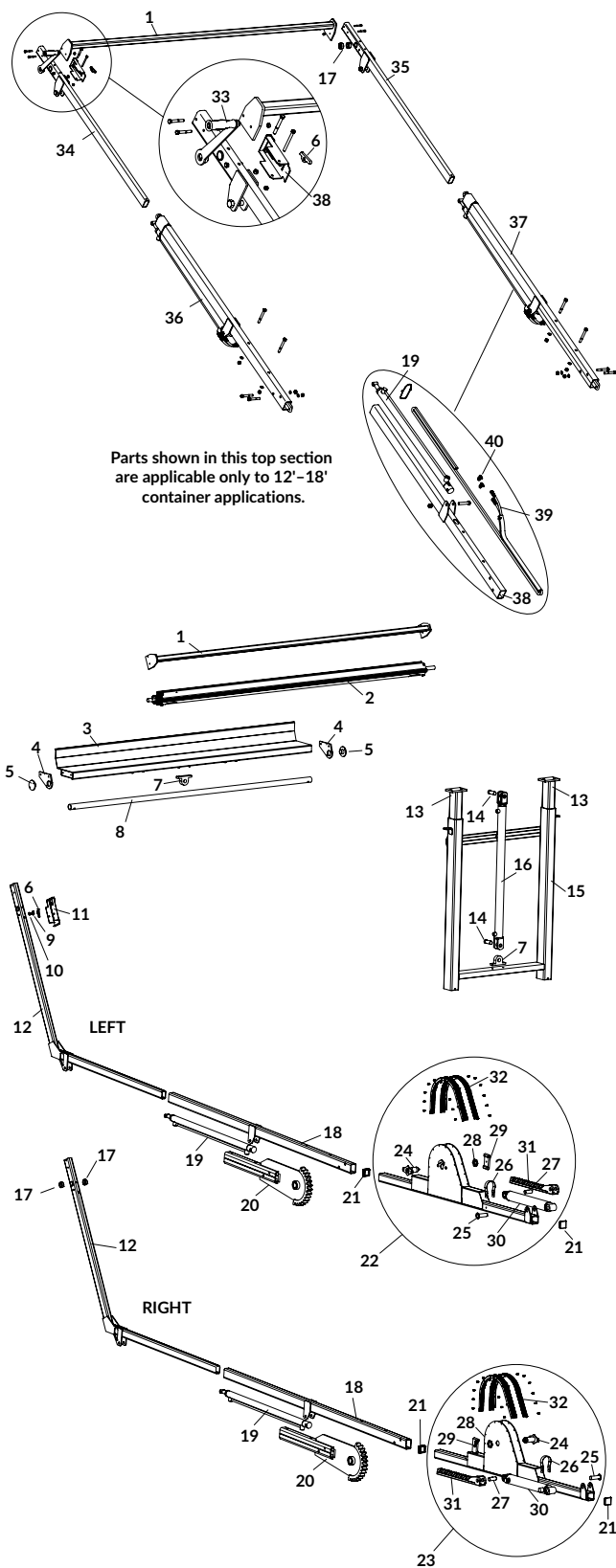
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BOX DETAILS | ORDER FORMS

THINGS TO NOTE IN REPLACEMENT PARTS

FEES
All components other than standard may require a non-refundable \$100 special processing fee. Call for details.
BOWS
Bow rise is typically 2" greater than rise of cap. Other rises available.
CAPS
Cap rise is typically 2" less than rise of bow. Other rises available.
Mounting hardware NOT included with end caps.

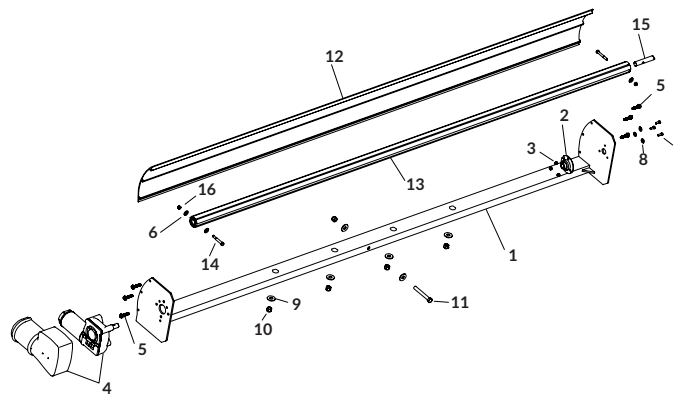
Remember that utilizing non-Genuine Shur-Co® and Donovan® parts can void your warranty agreement.
All Durabuilt™ motors featured on Shur-Co® Construction and Waste products are 90:1 gear ratio provides extra torque.



DESCRIPTION	COMP. P/N	P/N	PRICE
SWAT® 20' to 22' Arm Kit - L		1809911	
SWAT® 20' to 22' Arm Kit - R		1809912	
SWAT® 18' to 21' Arm Kit - L		1811744	
SWAT® 18' to 21' Arm Kit - R		1811745	
SWAT® 12' to 18' Arm Kit - L		1811746	
SWAT® 12' to 18' Arm Kit - R		1811747	
Gantry Base Frame W/Telescoping Legs	HR4511	1809687	
1 Stabilizer Bar	HR4753	1808873	
2 Roller Bar - SWAT®	H7002C	1803805	
3 Tarp Roll Base Rest	HR4505-2	1808872	
4 Tarp Tube Bracket Kit	HR4756	1810063	
5 Tarp Tube Cap	HR4757	1809148	
6 Ratchet Pawl	HR4788	1809209	
7 Gantry Cylinder Clevis Eye	H7032	1808869	
8 Tarp Tube	HR4758-2	1808865	
9 Pawl Torsion Spring	HR4786	1808851	
10 Ratchet Pawl Bushing	HR4787	1808875	
11 Ratchet Guard Assy - 18' to 22' Container	HR4789	1809009	
11 Ratchet Guard Assy - 12' to 18' Container		1811487	
12 Upper Arm - 18' to 22' Container	HR4751	1808874	
12 Upper Arm - 12' to 18' Container		1811484	
13 Gantry Telescoping Leg	HR4512	1808871	
14 Clevis Pin - 1" OD	H7062	1809013	
15 Gantry Base Frame	HR4515	1808868	
16 Gantry Cylinder - 2" Bore - 36" Stroke	HR4520	1808891	
17 Shaft Locking Collar - 1"	HR4624	1808855	
18 SWAT® Lower Arm - 93-1/4"	HR4750	1808879	
18 SWAT® Lower Arm - 75-3/4"		1810403	
19 Lower Arm Cylinder - 1 1/2" Bore - 36" Stroke	HR4752	1808892	
20 Pivot Gear Arm	HR4760	1808887	
21 Square End Plug	HR4548A	1808846	
22 Gear/Pivot Assy - 18' to 22' Container - L	HR4762A	1809355	
22 Gear/Pivot Assy - 12' to 18' Container - L		1811496	
23 Gear/Pivot Assy - 18' to 22' Container - R	HR4761A	1809360	
23 Gear/Pivot Assy - 12' to 18' Container - R		1811497	
24 Pivot Pin Assy	A3881KIT	1809284	
25 Rack Cylinder Mtg Pin	A3883	1808883	
26 Cylinder Loop Strap	HR4731	1808881	
27 Rack Cylinder Connecting Pin	D18836	1809014	
28 Castle Nut	HR4785	1809169	
29 Pivot Hose Guide	HR4728	1809669	
30 Hydraulic Cylinder - 2 1/2" Bore - 16" Stroke	HR4719	1808890	
31 Rack Gear	A3868B	1808886	
32 Brush Kit		1809776	
33 Crank Handle Assy		1809177	
34 Upper Arm Assy - L		1811491	
35 Upper Arm Assy - R		1811492	
36 Lower Arm Assy - L		1810404	
37 Lower Arm Assy - R		1810405	
38 SWAT® Lower Arm - 75-3/4"		1810403	
39 Hydraulic Hose - 1/4" x 16' x #6 - JICF One End		1808935	
40 Hydraulic Fitting - #6 JICM x #6 ORBM x EL 90		1705725	
TARPS			
Mighty Mesh® w/Flaps - 9'8" x 28'	HR4616	1801640	
Mighty Mesh® - 8' x 28'		1801686	
MM w/Flaps & Hook Lift Cutout - 9'8" x 28'		1809675	
Mighty Mesh® & Hook Lift Cutout - 8' x 28'		1809674	

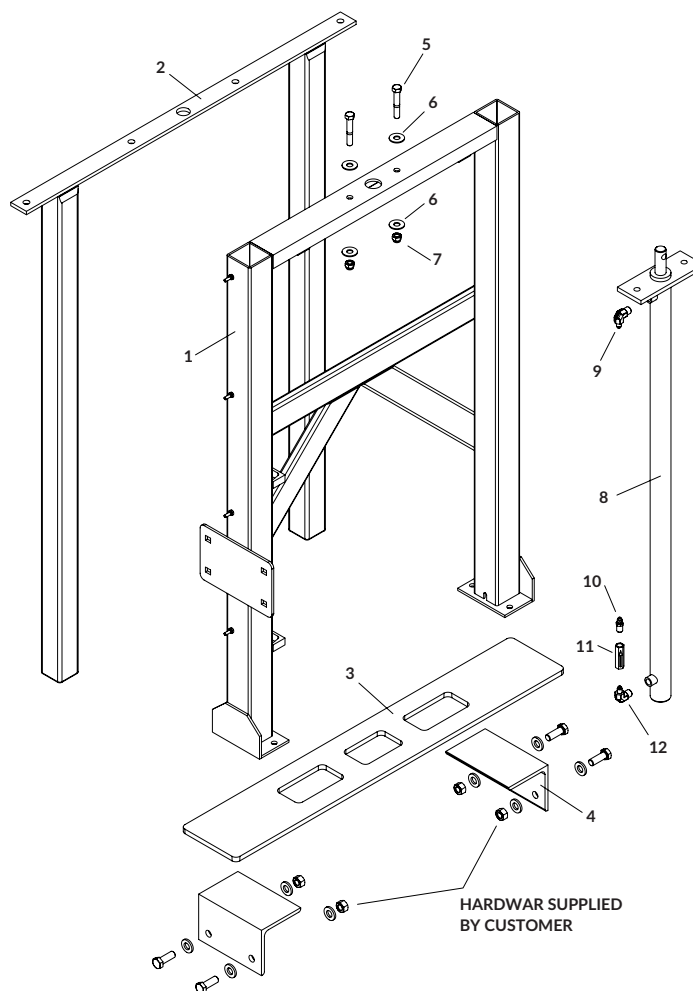
HOUSING ASSEMBLIES

DESCRIPTION	P/N	PRICE
Housing Assy	1808662	
1 Housing	1800491	
2 Reversed Bearing Flange	1801950	
3 Hex Lock Nut - 1/4"	1800699	
4 Direct-Drive Motor - 900 Watt - 12V	1704878	
5 Self-Threading Bolt - 5/16" x 1-1/4"	1800460	
6 Flat Washer - 5/16"	1800989	
7 Hex Head Cap Screw - 1/4" x 3/4"	1800767	
8 Flat Washer - 1/4"	1800784	
9 Flat Washer - 1/2"	1800996	
10 Lock Nut - 1/2"	1800995	
11 Hex Head Cap Screw - 1/2" x 4"	1801024	
12 Housing Deflector - 105-3/4"	1800477	
13 Tarp Spool Axle - 3-Way Attachment -98"	1809330	
14 Hex Head Cap Screw - 5/16" x 2-1/2"	1800942	
15 Shaft Extension - 3/4" x 4"	1800980	
16 Lock Nut - 5/16"	1800990	



TOWER ASSEMBLIES

DESCRIPTION	P/N	PRICE
1 Tower Outer Stage	1811455	
2 Tower Inner Stage	1801621	
3 Mounting Plate	1811474	
4 Mounting Angle	1811473	
5 Hex Head Cap Screw - 1/2" x 3"	1800901	
6 Flat Washer - 1/2"	1800996	
7 Lock Nut - 1/2"	1800995	
8 Cylinder - 1-1/2" x 42" x 1"	1800082	
9 Hydraulic Fitting - 4MJIC x 3/8" x 90°	1800306	
10 Hydraulic Fitting - 4MJ x 4MP x STR	1801017	
11 Hydraulic Pressure Control Compensator - 1-3/4"	1801018	
12 Hydraulic Fitting - 3/8MP x 90°	1801016	



ELECTRIC AND HYDRAULIC COMPONENTS

DESCRIPTION	P/N	PRICE
1 Enclosure Mtg Bracket	1811461	
2 Carriage Bolt - 1/2" x 1-1/2"	1800356	
3 Carriage Bolt - 1/4" x 3/4" - GR5	1705597	
4 Flat Washer - 1/4"	1800784	
5 Hex Lock Nut - 1/4"	1800699	
6 Rubber Grommet - 3/16" x 11/32"	1809474	
7 Enclosure Rear Panel	1811453	
8 Rubber Edge Trim - 1/16" x 5/16"	1809484	
9 Circuit Breaker - 60 Amp	1800417	
10 Hex Head Cap Screw - 1/4" x 1"	1700381	
11 Wireless Receiver w/Antenna	1810430	
12 Motor-Rev Solenoid 12V - 2 Pt Mnt - Black Wire	1703845	
13 Flange Cap Screw - #8-32 x 5/8"	1809475	
14 Nylon Lock Hex Nut - #8-32	1804461	
15 Hydraulic Pump w/Switch Box	1811448	
16 Hex Head Cap Screw - 3/8" x 1-1/4"	1811464	
17 Lock Washer - 3/8"	1800991	
18 Male Hydraulic Fitting - #6 x 90°	1800925	
19 Stud - 5/16" x 1-3/4"	1809470	
20 Hex Jam Nut - 5/16"	1809471	
21 Lock Washer - 5/16" - External Tooth	1704912	
22 Hex Nut - 5/16"	1800765	
23 Switch Bracket	1811460	
24 Wire Clip - 3/4" ID	1702108	
25 Enclosure Front Panel	1811452	
26 Enclosure Top Panel	1811451	
27 Self-Tapping Screw - #10-24 x 1-1/2"	1809472	
28 Hex Nut - #8-32	1704869	
29 Hydraulic Hose - 84" OAL	1801627	
30 LED Work Light w/Quick Connector	1704719	
31 Dual-Conductor Wire - 4 Ga. - 16'	1800220	
32 Motor Power Wire Assy	1811465	
33 Coiled Wire - 6 Ga x 92" x 3' Leads	1810425	
34 Power Jumper Wire	1811466	
35 Receiver Ground Wire - 14 Ga. - 16"	1811467	
36 Ring Terminal - 18 Ga. x 5/16" Stud	1705800	
37 Quick Disconnect - Male x 18 Ga. x 1/4"	1705072	
38 Quick Disconnect - Female x 18 Ga. x 1/4"	1705073	
39 Ring Terminal - 4 Ga. x 3/8" Stud - Battery	1800158	
40 Ring Terminal - 4 Ga. x 1/4"	1800302	
41 Ring Terminal - 6 Ga. x 1/4" Stud	1800658	
42 Circuit Breaker - 175 Amp	1811476	

SPRING PIVOTS - SINGLE/TANDEM AXLES

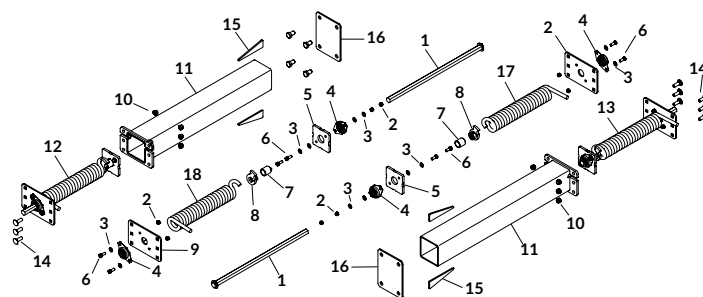
DESCRIPTION	P/N	PRICE
1 Flat Washer - 3/8"	1800994	
2 Hex Head Cap Screw - 3/8" x 1-3/4"	1804883	
3 Spring Pivot Mount	1808663	
4 Bridge Mount Spring Assy - R	1808664	
5 Bridge Mount Spring Assy - L	1808665	
6 Hex Flange Bore Unit	1801082	
7 Self-Tapping Screw - 5/16" x 3/4"	1808668	
8 Spring Housing Cover	1808683	
9 Lock Nut - 3/8"	1800993	
10 Spring Shaft - 14-1/4" x 7/8" Hex	1808671	
11 Spring Retainer Weldment	1118955	
12 Torsion Spring 15-Coil - L	1704476	
13 Torsion Spring 15-Coil - R	1704477	
14 Hex Head Cap Screw - 3/8" x 3-1/4"	1804139	
15 Flat Washer - 3/8"	1800994	
16 Lock Nut - 3/8"	1800993	
17 Spring Housing Base	1808669	

SPRING PIVOT SUPPORTS - SINGLE/TANDEM AXLES

DESCRIPTION	P/N	PRICE
1 Frame Mount Plate - 3" SQ	1808673	
2 Frame Mount Gusset	1808646	
3 End Cap - 2-1/2" SQ	1808678	
4 Spring Pivot Mount Tube	1808679	
5 Spring Pivot Support Elbow	1808793	
6 Spring Pivot Support Tube	1808672	

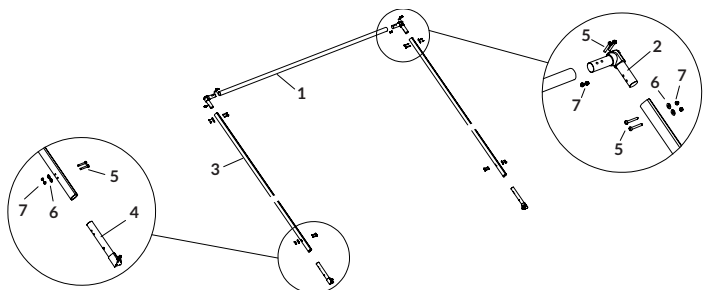
SPRING PIVOTS - TRAILER

DESCRIPTION	P/N	PRICE
1 Spring Shaft - 23-1/4" x 7/8" Hex	1808636	
2 Lock Nut - 3/8"	1800993	
3 Flat Washer - 3/8" - SAE	1803979	
4 Hex Bearing - 7/8" ID	1801243	
5 Inner Bearing Plate	1808639	
6 Hex Head Cap Screw - 3/8" x 1"	1800795	
7 Bearing Spacer	1808638	
8 Spring Catch - 7/8" Hex	1808637	
9 Outer Bearing Plate	1808640	
10 Lock Nut - 1/2"	1800995	
11 Spring Pivot Tube	1808641	
12 Internal Spring Assy - L	1808635	
13 Internal Spring Assy - R	1808634	
14 Carriage Bolt - 1/2" x 1-1/2"	1800356	
15 Frame Mount Gusset	1808646	
16 Frame Mount Plate - 4-1/2" SQ	1808645	
17 Torsion Spring 22-Coil - R	1800280	
18 Torsion Spring 22-Coil - L	1800279	



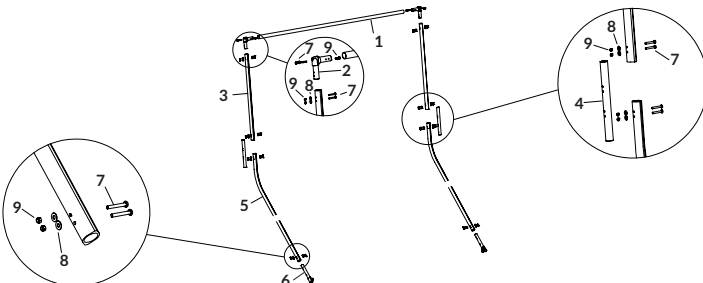
PIVOT ARM - SINGLE AXLES

DESCRIPTION	P/N	PRICE
1 Rear Cross Piece	1800300	
2 Cast Elbow - 90°	1800597	
3 Alum Return Arm - 150"	1800421	
4 Spring Pivot Connector	1801636	
5 Pan Head Cap Screw - 5/16" x 2-1/4"	1800270	
6 Flat Washer - 5/16"	1800989	
7 Lock Nut - 5/16"	1800990	



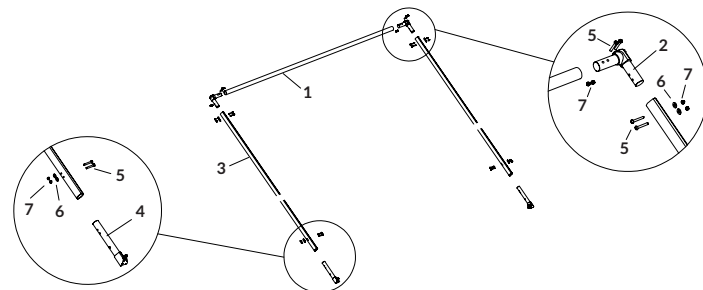
PIVOT ARMS - MULTI/TANDEM AXLES

DESCRIPTION	P/N	PRICE
1 Rear Cross Piece	1800300	
2 Cast Elbow - 90°	1800597	
3 Alum Upper Return Arm - 50"	1800548	
4 Arm Coupler	1800547	
5 Alum Lower Return Arm	1800545	
6 Spring Pivot Connector	1801636	
7 Pan Head Cap Screw - 5/16" x 2-1/4"	1800270	
8 Flat Washer - 5/16"	1800989	
9 Lock Nut - 5/16"	1800990	



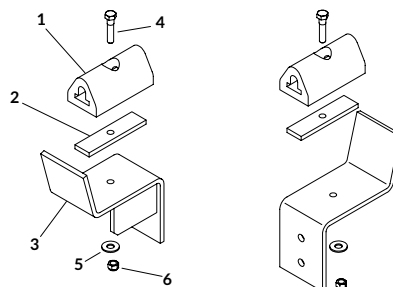
PIVOT ARMS - TRAILERS

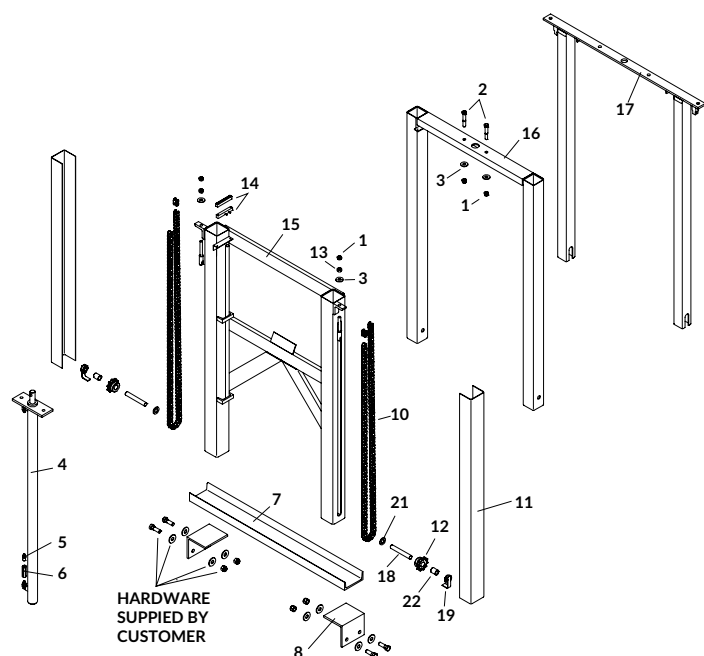
DESCRIPTION	P/N	PRICE
1 Rear Cross Piece	1800300	
2 Cast Elbow - 90°	1800597	
3 Alum Return Arm - 240"	1801241	
4 Spring Pivot Connector	1801636	
5 Pan Head Cap Screw - 5/16" x 2-1/4"	1800270	
6 Flat Washer - 5/16"	1800989	
7 Lock Nut - 5/16"	1800990	



PIVOT ARMS RESET

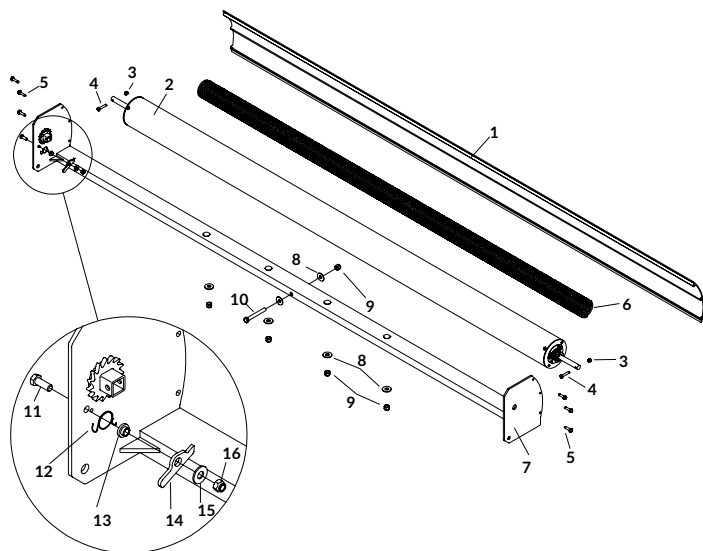
DESCRIPTION	P/N	PRICE
1 Rubber Bumper - Drilled - 4"	1801012	
2 Bumper Hold-Down Bar	1800140	
3 Pivot Arm Rest	1801324	
4 Hex Head Cap Screw - 5/16" x 1-1/2"	1800972	
5 Flat Washer - 5/16"	1800989	
6 Lock Nut - 5/16"	1800990	



**DL BASE ASSEMBLIES**

DESCRIPTION	P/N	PRICE
Hy-Tower™ DL Base Kit w/Cylinder [Includes: 4; 5; 6; 15; 16; 17; 2 of 2, 9, 10, 11, 12, 13, 18, 19, 20, 21 & 22; 4 of 1 & 3]	1800085	
1 Lock Nut - 1/2"	1800995	
2 Hex Head Cap Screw - 1/2" x 3"	1800901	
3 Flat Washer - 1/2"	1800996	
4 Cylinder - 1-1/2" x 42" x 1"	1800082	
5 Hydraulic Fitting - 4MJ x 4MP x STR	1801017	
6 Hydraulic Pressure Control Compensator - 1-3/4"	1801018	
7 Mounting Channel	1800726	
8 Mounting Angle	1801966	
9 Master Chain Link - #60	1800080	
10 Chain - #60 x 130P	1800081	
11 Chain Guard	1800683	
12 Sprocket - 60-B-10 x 1"	1800084	
13 Hex Nut - 1/2"	1800799	
14 Alarm Audible Kit - 4"	1801033	
15 Weldment - 3rd Stage	1801209	
16 Weldment - 2nd Stage	1801212	
17 Weldment - 1st Stage	1801215	
18 Sprocket Shaft	1801216	
19 Chain Guide Assy	1801218	
20 Chain Mount Assy	1801220	
21 Flat Washer - 3/4"	1801503	
22 Bushing - 3/4" ID x 1" OD x 1-1/4"	1800724	
23 Single Magnet Sensor - 1-5/8"	*1808943	
24 Single Magnet Sensor w/Wire - 1-5/8"	*1808944	

*These items are NOT shown in the drawing.

DL HOUSING ASSEMBLIES

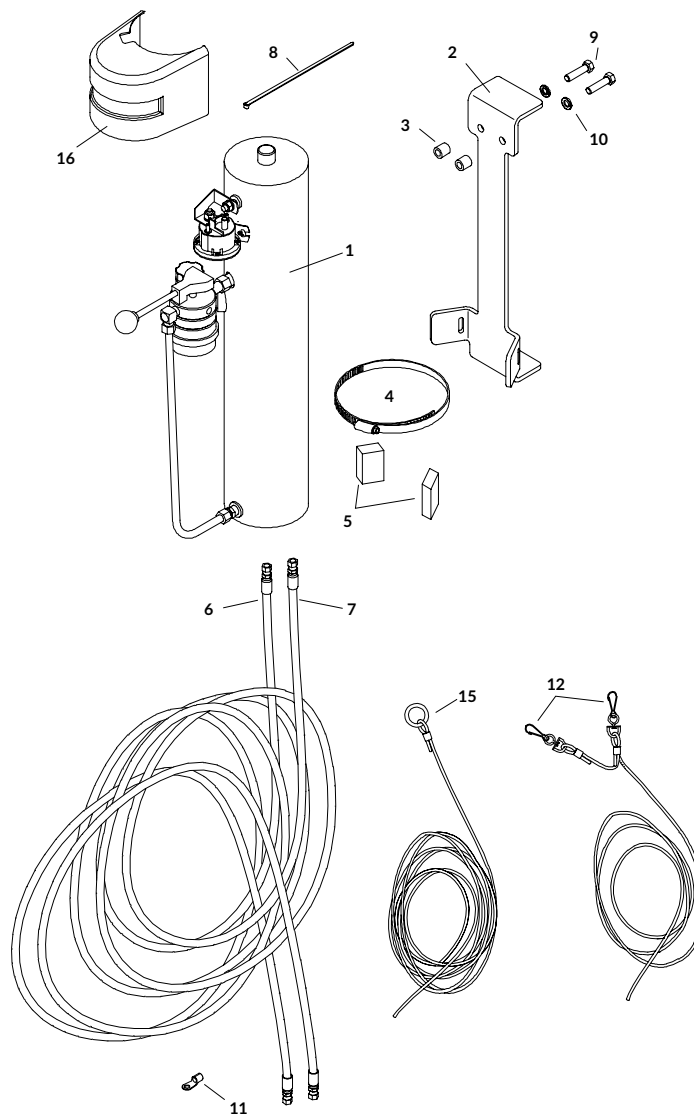
DESCRIPTION	P/N	PRICE
Hy-Tower™ DL Housing Kit [Includes: 1; 2; 3; 7; 11; 12; 13; 14; 15; 16; 18; 19; 20; 21; 23; 24; 2 of 17; 5 of 8 & 9; 6 of 5; 8 of 22]	1800480	
Hy-Tower™ DL Housing Assy [Includes: 1; 7; 6 of 5]	1800479	
1 Housing Deflector - 105-3/4"	1800477	
2 Roller Bar - Hy-Tower™	1810381	
3 Lock Nut - 5/16"	1800990	
4 Hex Head Cap Screw - 5/16" x 1-1/2"	1800972	
5 Self-Threading Bolt - 5/16" x 1-1/4"	1800460	
6 Spring	1800083	
7 Hy-Tower™ DL Housing w/End Plates	1800478	
8 Flat Washer - 1/2"	1800996	
9 Lock Nut - 1/2"	1800995	
10 Hex Head Cap Screw - 1/2" x 4"	1801024	
11 Hex Head Cap Screw - 3/8" x 1"	1800795	
12 Ratchet Spring	1800698	
13 Ratchet Spacer	1800702	
14 Ratchet Pawl w/Lever	1800917	
15 Flat Washer - 3/8"	1800994	
16 Lock Nut - 3/8"	1800993	
17 Mounting Angle	*1801966	
18 Mounting Channel	*1800726	
19 Composite Tube - 1" OD	*1800820	
20 Polyethylene Foam - 7/8"	*1800821	
21 Hex Head Cap Screw - 5/16" x 1-1/2"	*1800972	
22 Wire Ties, Black - 8"	*1800976	
23 Rope Assy w/o O-Ring - 3/8" x 50'	*1801387	
24 Rope Assy - 5/16" x 8'	*1801388	

*These items are NOT shown in the drawing.

DL HYDRAULIC COMPONENTS

DESCRIPTION	P/N	PRICE
Hy-Tower™ DL Pump Assy [Includes: 1; 2; 4; 6; 7; 17; 21; 22; 2 of 3, 18, 19, 20; 4 of 11; 5 of 24; 6 of 23]	1800762	
Hy-Tower™ DL Seal Kit	*1800238	
Rope Assy [Includes: 13; 16]	1801009	
1 Hydraulic Pump - 12V M310	1800090	
2 Pump Mtg Bracket	1801623	
3 Pump Spacer	1801223	
4 Clamp - 5" to 7"	1800906	
5 Rubber Motor Mount	1801125	
6 Hydraulic Hose - 9'	1801222	
7 Hydraulic Hose - 12'	1801221	
8 Wire Ties, Black - 8"	1800976	
9 Hex Head Cap Screw - 5/16" x 1-1/2"	1800972	
10 Lock Washer - 3/8"	1800991	
11 Ring Terminal - 4 Ga. x 3/8" Stud - Battery	1800158	
12 Rope Assy - 5/16" x 8'	1801388	
13 Steel Snap - 1/2" Opening	*1800847	
14 O-Ring - 3" x 1.50"	*1800846	
15 Rope Assy w/o O-Ring - 3/8" x 52"	1801387	
16 Solenoid Cover - DL	1801015	
17 Circuit Breaker - 150 Amp	*1800458	
18 Lock Nut - 3/8"	*1800993	
19 Flat Washer - 3/8"	*1800994	
20 Hydraulic Fitting - 4JIC x 1/4NPT x MI90	*1800112	
21 Dual-Conductor Wire - 4 Ga. - 16'	*1800220	
22 Hex Head Cap Screw - 1/2" x 4"	*1800852	
23 Flat Washer - 1/2"	*1800996	
24 Lock Nut - 1/2"	*1800995	

*These items are NOT shown in the drawing.



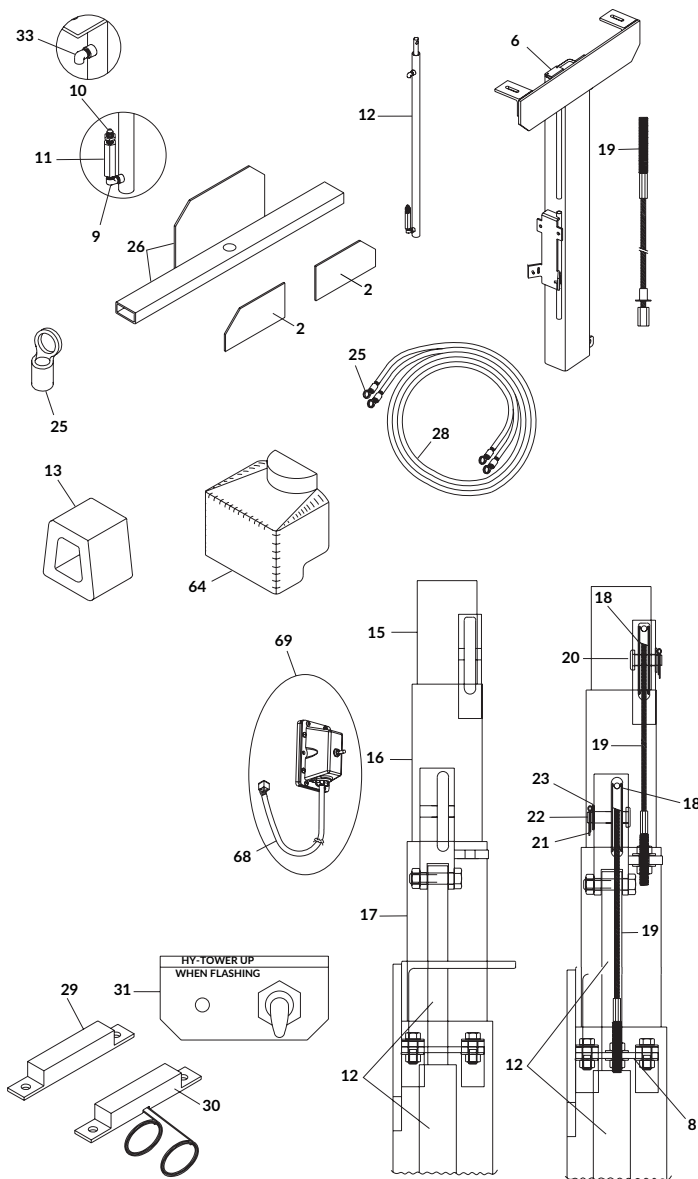
SL BASE ASSEMBLIES AND HYDRAULICS

DESCRIPTION	P/N	PRICE
Hy-Tower™ SL Base Kit w/Cylinder [Includes: A; 3; 5; 24; 26; 27; 28; 34; 41; 42; 43; 44; 46; 2 of 1, 2, 4, 35, 36, 37, 45, 47, 51, 52 & 65; 4 of 25, 38, 39 & 48; 8 of 50; 12 of 49; 16 of 40]	1801996	
Hy-Tower™ SL Base Assy [Includes: A; 6; 8; 9; 10; 11; 12; 14; 33; 56; 57; 58; 59; 2 of 7, 13, 50, 53, 54 & 60; 3 of 61; 4 of 49 & 55]	*1801158	
Alum Leg Assy [Includes: 15; 16; 17; 20; 22; 2 of 18, 19, 21, 23, 50, 54, 62 & 63; 4 of 55]	*1801445	
Hy-Tower™ SL Seal Kit	1801063	
1 Nylon Insert - 6-32	*1800578	
2 Front Brace	1800370	
3 Hydraulic Pump - 12V - Hy-Tower™	*1809992	
4 Male Hydraulic Fitting - #6 x 90°	*1800925	
5 Circuit Breaker - 150 Amp	*1800458	
6 Steel Leg Assy	1800369	
7 Bumper Hold-Down	*1800392	
8 Mounting Cable - Threaded End	1800393	
9 Hydraulic Fitting - 4MP x 4MP x 90°	1800912	
10 Hydraulic Fitting - 4MJ x 4MP x STR	1801017	
11 Hydraulic Pressure Control Compensator - 1-3/4"	1801018	
12 Hydraulic Cylinder - 1-14" x 40"	1801160	
13 Dock Bumper - 3"	1801175	
14 Hydraulic Hose - 37-1/2" OAL	*1801235	
15 Alum Leg Assy - Inner	1800380	
16 Alum Leg Assy - Medium	1800381	
17 Alum Leg Assy - Outer	1800382	
18 Pulley	1800394	
19 Cable Assy	1801005	
20 Clevis Pin - 1/2" x 1-1/4"	1801475	
21 Cotter Pin - 1/8" x 1-1/4"	1801476	
22 Clevis Pin - 1/2" x 1-3/4"	1801517	
23 Shim - 1/2" ID x 7/8" OD x .075"	1801519	
24 Alarm Audible Kit - 4"	*1801033	
25 Ring Terminal - 4 Ga. x 3/8" Stud - Battery	1800158	
26 Mounting Base	1801159	
27 SL Box Base	*1801192	
28 Dual-Conductor Wire - 4 Ga. - 16'	1800220	
29 Single Magnet Sensor - 4"	1801356	
30 Single Magnet Sensor w/Wire - 4"	1801357	
31 Alarm Cut-Off Switch Assy	1801358	
32 Toggle Switch Assy	*1801725	
33 Hydraulic Fitting - 4JIC x 1/4NPT x MI90	1800112	
34 Switch Bracket	*1811460	
35 Lock Washer - 3/8"	*1800991	
36 Hex Head Cap Screw - 3/8" x 1-1/4"	*1811464	
37 Flat Washer - 1/4"	*1800784	
38 Hex Lock Nut - 1/4"	*1800699	
39 Carriage Bolt - 1/4" x 3/4" - GR5	*1705597	
40 Self-Tapping Screw - #10-24 x 1-1/2"	*1809472	
41 Rubber Grommet - 1-1/2" Insert	*1202938	
42 Pump Enclosure - Top Panel	*1811736	
43 Pump Enclosure - Front Panel	*1811735	
44 Pump Enclosure - Rear Panel	*1811734	
45 Carriage Bolt - 1/2" x 1-1/2"	*1800356	
46 Enclosure Mtg Bracket	*1811461	
47 Button head Cap Screw - #6-32 x 3/4"	*1800577	
48 Self-Drilling Screw - 1/4" x 3/4"	*1801224	
49 Flat Washer - 1/2"	*1800996	
50 Lock Nut - 1/2"	*1800995	
51 Hex Head Cap Screw - 1/2" x 5"	*1800898	
52 Hex Head Cap Screw - 1/2" x 4"	*1800852	
53 Wire Ties, Black - 8"	*1800976	
54 Lock Nut - 3/8"	*1800993	
55 Flat Washer - 3/8"	*1800994	
56 Hydraulic Hose - 84" OAL	*1801627	
57 Hex Head Cap Screw - 3/4" x 2"	*1801469	
58 Hex Jam Nut - 3/4"	*1801504	
59 Hex Jam Nut - 1/2"	*1801341	
60 Cap Screw - 3/8" x 1-1/2"	*1800790	
61 Hex Head Cap Screw - 1/2" x 2-1/4"	*1801457	
62 Flat Washer - 1/2"	*1800924	

REPLACEMENT PARTS TABLE OF CONTENTS

DESCRIPTION	P/N	PRICE
63 Hex Nut - 3/8"	*1800992	
64 SL Solenoid Cover	1801342	
65 Mounting Angle	*1801966	
66 Solenoid - 12V - 4 Post	*1801343	
67 Pump Cord - Fork End	*1801366	
68 Driver Side Cord - Control Box End	1801365	
69 Toggle Switch - Marine Grade	1801718	
70 Coil - 12V	*1801367	
71 Hydraulic Motor Cap - Breather	*1801363	

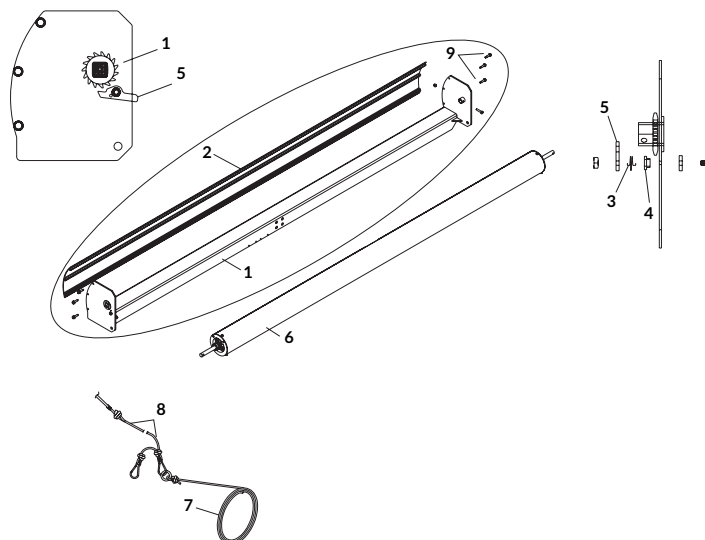
*These items are NOT shown in the drawing: numbered for future reference.



SL HOUSING ASSEMBLIES

	DESCRIPTION	P/N	PRICE
	Hy-Tower™ SL Housing Kit [Includes: A; B; C; 3; 4; 5; 6; 10; 11; 13; 14; 15; 2 of 16; 4 of 12]	1800483	
A	Hy-Tower™ SL Housing Assy [Includes: 1; 2; 6 of 9]	1800482	
B	Rope Assy [Includes: 7; 8]	1801009	
C	Pull Bar Assy	1801463	
1	Hy-Tower™ SL Housing wEnd Plates	1800481	
2	Housing Deflector - 105-3/4"	1800477	
3	Ratchet Spring	1800698	
4	Ratchet Spacer	1800702	
5	Ratchet Pawl w/Lever	1800917	
6	Roller Bar - Hy-Tower™	1810381	
7	Rope Assy w/o O-Ring - 3/8" x 52"	1801387	
8	Rope Assy - 5/16" x 8'	1801388	
9	Self-Threading Bolt - 5/16" x 1-1/4"	*1800460	
10	Hex Head Cap Screw - 3/8" x 1"	*1800795	
11	Hex Head Cap Screw - 5/16" x 1-1/2"	*1800972	
12	Wire Ties, Black - 8"	*1800976	
13	Lock Nut - 5/16"	*1800990	
14	Lock Nut - 3/8"	*1800993	
15	Flat Washer - 3/8"	*1800994	
16	Nylon Insert - 6-32	*1800578	

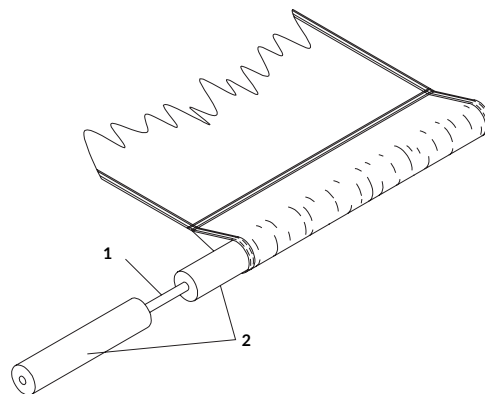
*These items are NOT shown in the drawing.

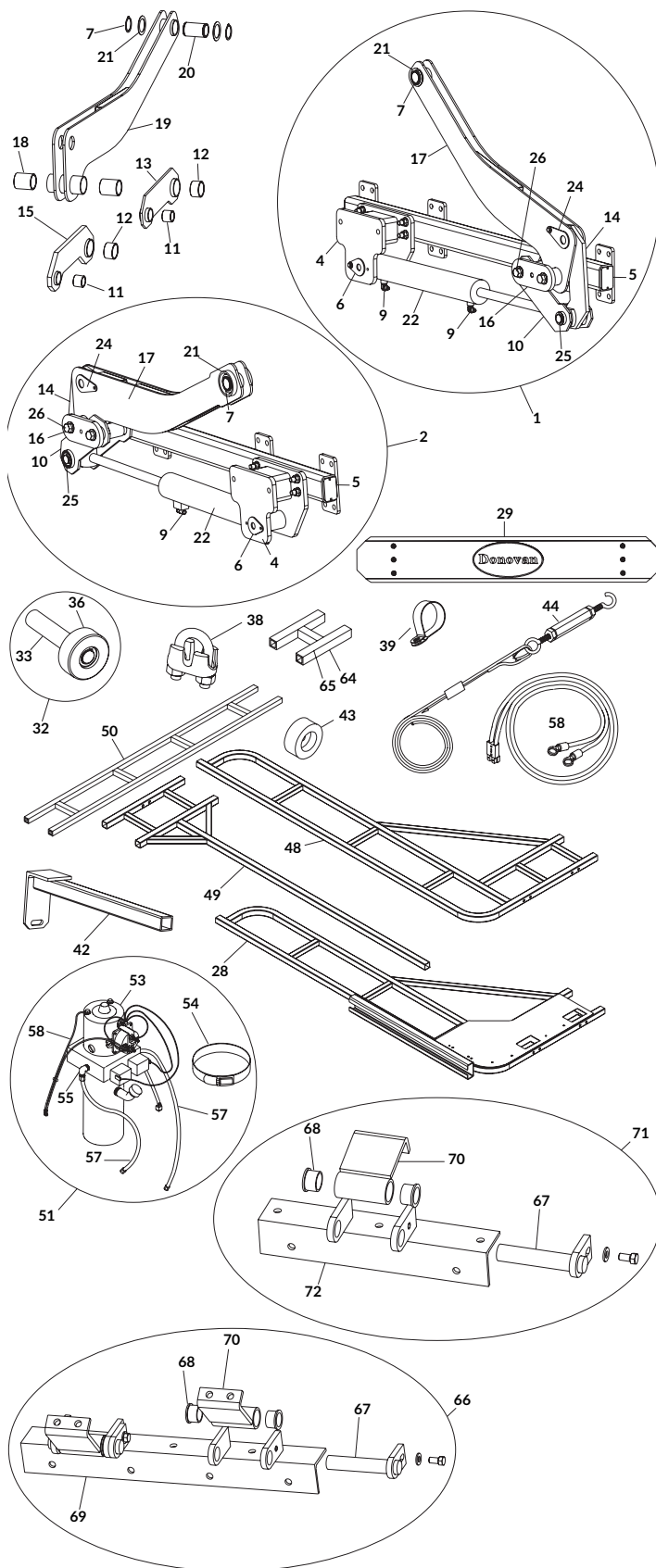


PULL BARS

	DESCRIPTION	P/N	PRICE
	Pull Bar Assy [Includes: 1; 2; 5 of 3]	1800483	
1	Composite Tube - 1" OD	1800482	
2	Polyethylene Foam - 7/8"	1801463	
3	Wire Ties, Black - 8"	*1800481	

*These items are NOT shown in the drawing.





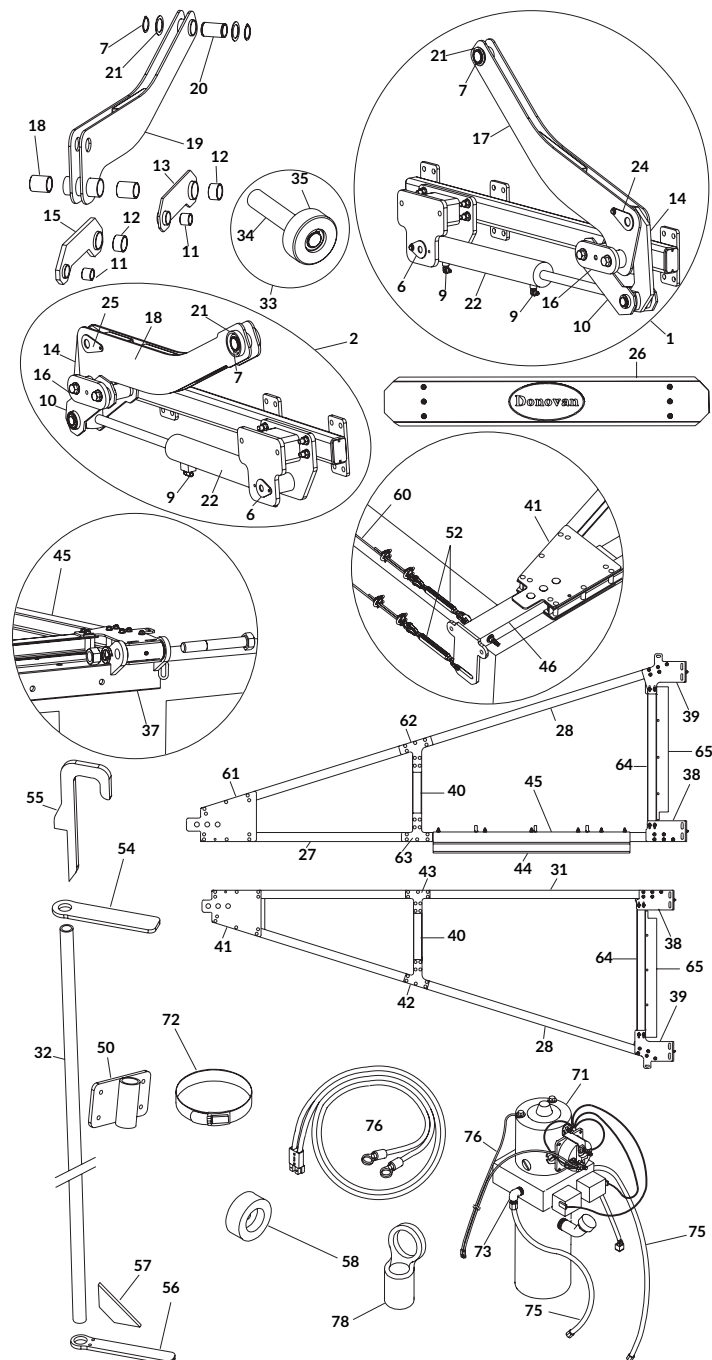
REPLACEMENT PARTS TABLE OF CONTENTS

DESCRIPTION	P/N	PRICE
66 Front & Rear Hinge Assy - Low Profile [Includes 69; 2 of 67 & 70; 4 of 68]	1801599	
67 Hinge Pin Assy	1800606	
68 Flanged Bushing - 1-14" ID	1800860	
69 Rear Hinge - Low Profile	1801600	
70 Hinge Lid - Low Profile	1801603	
71 Center Hinge Assy - Low Profile [Includes 67; 70; 72; 2 of 68]	1801601	
72 Center Hinge - Low Profile	1801602	
73 Hose Bundling Wrap - 1/2"	*1800315	
74 External Retaining Ring - 1" Dia. x .078"	*1808766	
75 Sidewinder™ Wet Kit	*1801430	

*These items are NOT shown in the drawing.

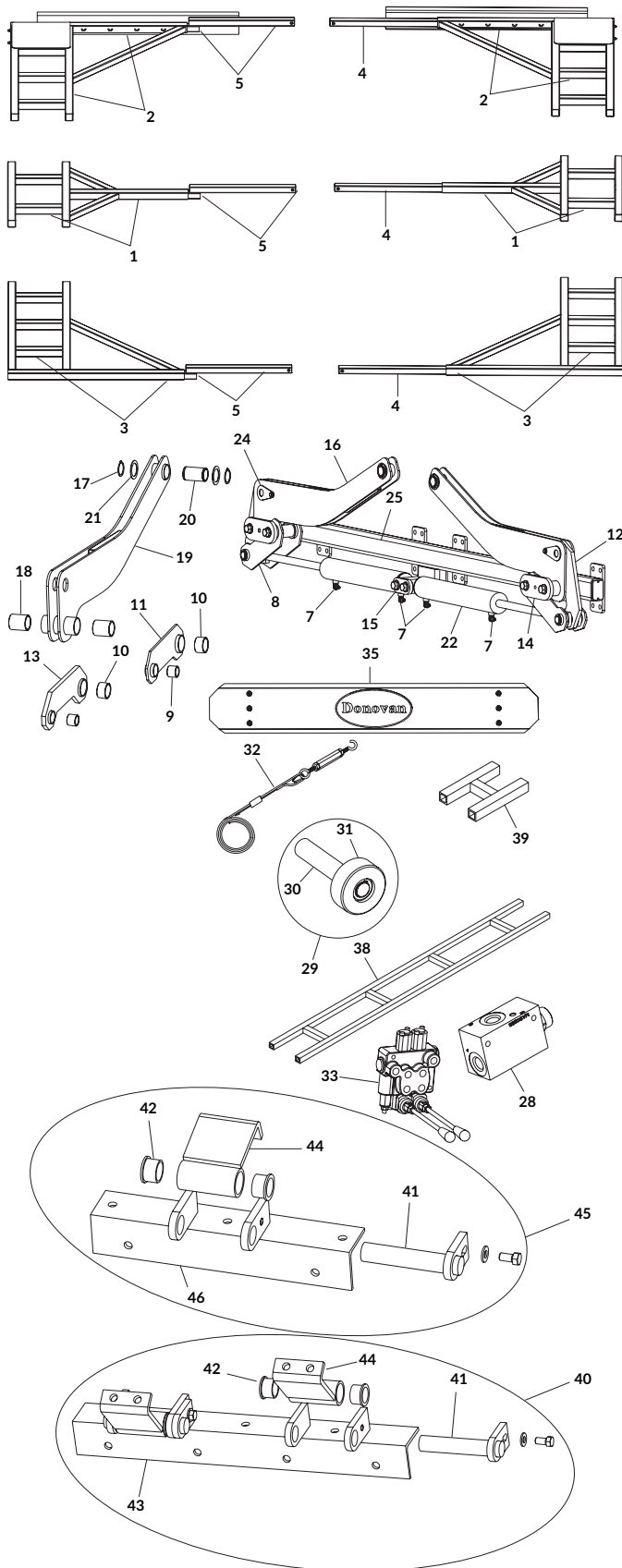
DESCRIPTION	P/N	PRICE
1 Backhoe Actual Assy - L Hinge [Includes 4; 5; 6; 14; 16; 17; 22; 23; 24; 25; 2 of 3, 7, 8, 9, 10, 26 & 27; 4 of 21]	1800286	
2 Backhoe Actual Assy - R Hinge [Includes 4; 5; 6; 14; 16; 17; 22; 23; 24; 25; 2 of 3, 7, 8, 9, 10, 26 & 27; 4 of 21]	1801907	
3 Gearlock Bearing	*1800276	
4 Cylinder Mount	1800282	
5 Base Tube Weldment	1800287	
6 Cylinder Base Pin Assy	1800292	
7 External Retaining Ring - 1-1/2" Dia.	1800880	
8 External Retaining Ring - 1" Dia.	*1801707	
9 Hydraulic Fitting - 4JIC x 1/4NPT x MI90	1800112	
10 Short Link Assy [Includes 11; 12; 13]	1800180	
11 Bushing - 1" ID x 1-1/4 OD x 1"	1800497	
12 Bushing - 1-1/2" ID x 1-3/4" OD x 1"	1800879	
13 Short Link	1800181	
14 Long Link w/Bushing [Includes 11; 12; 15]	1800190	
15 Long Link	1800191	
16 Pin Connector	1800194	
17 Rotating Arm Assy [Includes 19; 20; 2 of 7, 18 & 21]	1800197	
18 Bushing - 1-1/2" ID x 1-3/4" OD x 2"	1800156	
19 Rotating Arm	1800199	
20 Bushing - Turned	1800203	
21 Shim - 1-1/2" ID x .047"	1800204	
22 Hydraulic Cylinder - 2-1/2" x 15-1/4"	1800205	
23 Short Link Spacer	*1800207	
24 Long Link Pin	1800208	
25 Long/Short Link Pin	1800211	
26 Hex Bolt w/Serrated Washer - 5/8" x 1-1/2"	1800232	
27 Shim - 1" ID x 1-1/2" OD x .047"	*1800250	
28 Front Lid Assy	1800289	
29 Wind Deflector	1800293	
30 Deflector Brace - 1-1/2"	*1800294	
31 Deflector Brace - 1"	*1800295	
32 Roller Shaft Assy - 10" [Includes 33; 34; 35; 36; 2 of 27]	1800335	
33 Roller Shaft	1800331	
34 Shim - 1-1/4" ID x .047"	*1800977	
35 Retaining Ring - 1-1/4"	*1800978	
36 Roller - UMHW	1800177	
37 Stainless Button Head Screw - 1/2" x 3"	*1800374	
38 Cable Nut - 3/16"	1800872	
39 Loop Strap - 3/4"	1800923	
40 Loctite - 5 ML	*1801379	
41 Bumper Strips - UHMW	*1801510	
42 Center Lid Extension	1800897	
43 Rubber Bumper - 1-1/2" Round	1801236	
44 Cable w/Turnbuckle - 30'	1801276	
45 Hy-Tower™ SL Solenoid Cover	*1801342	
46 Hose Clamp - 4-1/16" x 5"	*1801495	
47 Pump Mount Bracket	*1800412	
48 Rear Lid Assy	1800884	
49 Center Lid Assy	1800885	
50 Ladder Assy	1800889	
51 Pump Assy - 12V [Includes 52; 53; 54; 58; 2 of 43, 55, 56 & 57]	1800945	
52 Circuit Breaker - 150 Amp	*1800458	
53 Hydraulic Pump - 12V - Hy-Tower™	1800850	
54 Clamp - 5" to 7"	1800906	
55 Male Hydraulic Fitting - #6 x 90°	1800925	
56 Stud - 3/8" x 2-5/8"	*1800926	
57 Hydraulic Hose - 3/7-1/2" OAL	1801235	
58 Wiring Harness - 9' [Includes 59; 61; 2 of 60]	1801237	
59 Connector - 120 Amp - 4 Ga.	*1800149	
60 Ring Terminal - 4 Ga. x 3/8" Stud - Battery	*1800158	
61 Dual-Conductor Wire - 4 Ga. - 9'	*1800221	
62 Wiring Harness - 16' [Includes 59; 63; 2 of 60]	1801238	
63 Dual-Conductor Wire - 4 Ga. - 16'	*1800220	
64 4H Connectors [Includes 4 of 65]	*1801233	
65 Connector - H	1800891	

	DESCRIPTION	P/N	PRICE
1	Backhoe Actual Assy - L Hinge [Includes 4; 5; 6; 14; 16; 17; 22; 23; 24; 25; 2 of 3, 7, 8, 9, & 10; 4 of 21]	1800286	
2	Backhoe Actual Assy - R Hinge [Includes 4; 5; 6; 14; 16; 17; 22; 23; 24; 25; 2 of 3, 7, 8, 9, & 10; 4 of 21]	1801907	
3	Gearlock Bearing	*1800276	
4	Cylinder Mount	*1800282	
5	Base Tube Weldment	*1800287	
6	Cylinder Base Pin Assy	1800292	
7	External Retaining Ring - 1-1/2" Dia.	1800880	
8	External Retaining Ring - 1" Dia.	*1801707	
9	Hydraulic Fitting - 4JIC x 1/4NPT x MI90	1800112	
10	Short Link Assembly [Includes 11; 12; 13]	1800180	
11	Bushing - 1" ID x 1-1/4 OD x 1"	1800497	
12	Bushing - 1-1/2" ID x 1-3/4" OD x 1"	1800879	
13	Short Link	1800181	
14	Long Link w/Bushing [Includes 11; 12; 15]	1800190	
15	Long Link	1800191	
16	Pin Connector	1800194	
17	Rotating Arm Assy [Includes: 19; 20; 2 of 7, 18 & 21]	1800197	
18	Bushing - 1-1/2" ID x 1-3/4" OD x 2"	1800156	
19	Rotating Arm	*1800199	
20	Bushing - Turned	1800203	
21	Shim - 1-1/2" ID x .047"	1800204	
22	Hydraulic Cylinder - 2-1/2" x 15-1/4"	1800205	
23	Short Link Spacer	*1800207	
24	Long Link Pin	1800208	
25	Long/Short Link Pin	*1800211	
26	Wind Deflector	1800293	
27	Front I-Beam - 91.88"	1800796	
28	I-Beam - 94.83"	1800800	
29	Rear Lid Assy	*1800831	
30	Front Lid Assy	*1800824	
31	Rear I-Beam - 91.88"	1800837	
32	Latch Pipe	1800867	
33	Roller Shaft Assy - 10" [Includes 34; 35; 83; 84; 85; 2 of 86]	1800335	
34	Roller Shaft	1800331	
35	Roller - UMHW	1800177	
36	Pump Mount Bracket	*1800412	
37	Hinge Angle	*1800781	
38	Front Hinge	1800789	
39	Rear Hinge	1800794	
40	I-Beam - 15.38"	*1800804	
41	Reinforcement Plate	1800805	
42	Angled T Plate	*1800816	
43	T Plate	1800817	
44	Roller Track	1800818	
45	Roller Track Support Tube	1800822	
46	Lid Extension	1800825	
47	Deflector Brace - 1-1/2"	*1800294	
48	Deflector Brace - 1"	*1800295	
49	Value Line Rubber Strap - 15"	*1800050	
50	Latch Mount	1800838	
51	Bronze Thrust Bearing - 1"	*1800853	
52	Turnbuckle - 5/16"	1800858	
53	Aluminum Turnbuckle - 3/8"	*1800859	
54	Top Hold-Down Plate	1800865	
55	Hook	1800866	
56	Latch Handle	1800868	
57	Handle Gusset	1800869	
58	Rubber Bumper - 1-1/2" Round	1801236	
59	Hose Clamp - 4-1/16" x 5"	*1801495	
60	Galvanized Cable - 3/16" x 55'	1800857	
61	Large Reinforcement Plate	1800883	
62	Large Angled T Plate	1800893	
63	Large T Plate	1800896	
64	I-Beam - 28.25"	1800899	
65	Hinge Seal	1800908	
66	Aqua-Grade Tarp Reinforcement	*1800922	
67	Hy-Tower™ SL Solenoid Cover	*1801342	
68	Rear Lid Seal	*1800905	



	DESCRIPTION	P/N	PRICE
69	Pump Assy - 12V [Includes 70; 71; 72; 76; 80; 2 of 58, 73, 74 & 75]	*1800945	
70	Circuit Breaker - 150 Amp	*1800458	
71	Hydraulic Pump - 12V - Hy-Tower™	1800850	
72	Clamp - 5" to 7"	1800906	
73	Male Hydraulic Fitting - #6 x 90°	1800925	
74	Stud - 3/8" x 2-5/8"	*1800926	
75	Hydraulic Hose - 3/7-1/2" OAL	1801235	
76	Wiring Harness - 9' [Includes 77; 79; 2 of 78]	1801237	
77	Connector - 120 Amp - 4 Ga.	1800149	
78	Ring Terminal - 4 Ga. x 3/8" Stud - Battery	1800158	
79	Dual-Conductor Wire - 4 Ga. - 9'	*1800221	
80	Wiring Harness - 16' [Includes 77; 81; 2 of 78]	*1801238	
81	Dual-Conductor Wire - 4 Ga. - 16'	*1800220	
82	Connector - 120 Amp - 6 Ga.	*1801352	
83	Shim - 1-1/4" ID x .047	*1800977	
84	Retaining Ring - 1-1/4"	*1800978	
85	External Retaining Ring - 1" Dia. x .078"	*1808766	
86	Shim - 1" ID x 1-1/2" OD x .047"	*1800250	
87	Backhoe Actual Assembly - Right Hinge	*1801907	

*These items are NOT shown in the drawing: numbered for future reference.

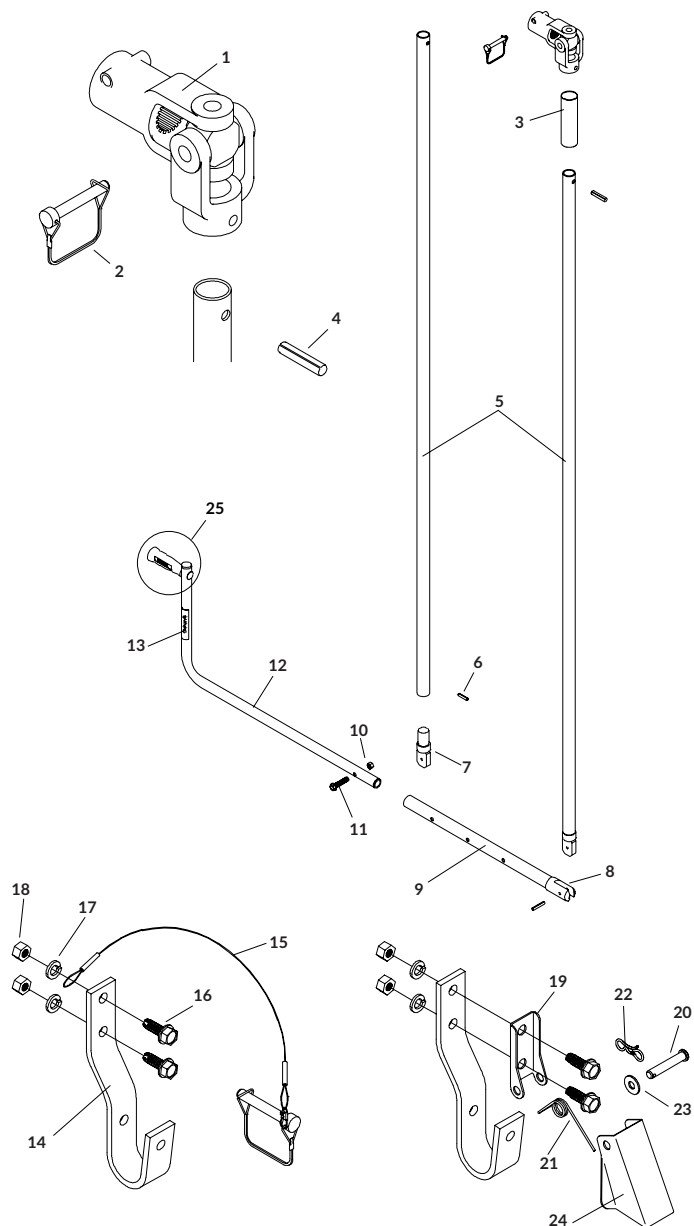


DESCRIPTION	P/N	PRICE
1 Center Lid Weldment	1800162	
2 Front Lid Weldment	1800164	
3 Rear Lid	1800166	
4 Insert Tube - 28"	1800173	
5 Lid Extension	1800174	
6 Backhoe Actuator Assy	1800189	
7 Hydraulic Fitting - 4JIC x 1/4NPT x MI90	1800112	
8 Short Link Assy	1800180	
9 Bushing - 1" ID x 1-1/4 OD x 1"	1800497	
10 Bushing - 1-1/2" ID x 1-3/4" OD x 1"	1800879	
11 Short Link	1800181	
12 Long Link w/Bushing	1800190	
13 Long Link	1800191	
14 Pin Connector	1800194	
15 Cylinder Pin Connector	1800195	
16 Rotating Arm Assy	1800197	
17 External Retaining Ring - 1-1/2" Dia.	1800880	
18 Bushing - 1-1/2" ID x 1-3/4" OD x 2"	1800156	
19 Rotating Arm	1800199	
20 Bushing - Turned	1800203	
21 Shim - 1-1/2" ID x .047"	1800204	
22 Hydraulic Cylinder - 2-1/2" x 15-1/4"	1800205	
23 Short Link Spacer	*1800207	
24 Long Link Pin	1800208	
25 Base Tube Weldment	1800209	
26 Long/Short Link Pin	*1800211	
27 Gearlock Bearing	*1800276	
28 Priority Control - 1-1/2 GPM	1800265	
29 Roller Shaft Assy - 10"	1800335	
30 Roller Shaft	1800331	
31 Roller - UMHW	1800177	
32 Cable w/Turnbuckle - 30'	1801276	
33 Manual Valve - 2 Spool RV	1801706	
34 Deflector Brace - 1"	*1800295	
35 Wind Deflector	1800231	
36 Long Tarp Strip	*1800247	
37 Short Tarp Strip	*1800248	
38 Center Lid Assy	1800889	
39 Connector - H	1800891	
40 Front & Rear Hinge - Low Profile	1801599	
41 Hinge Pin Assy	1800606	
42 Flanged Bushing - 1-14" ID	1800860	
43 Rear Hinge - Low Profile	1801600	
44 Hinge Lid - Low Profile	1801603	
45 Center Hinge Assy - Low Profile	1801601	
46 Center Hinge - Low Profile	1801602	
47 Shim - 1-1/4" ID x .047	*1800977	
48 Retaining Ring - 1-1/4"	*1800978	
49 External Retaining Ring - 1" Dia. x .078"	*1808766	
50 Shim - 1" ID x 1-1/2" OD x .047"	*1800250	

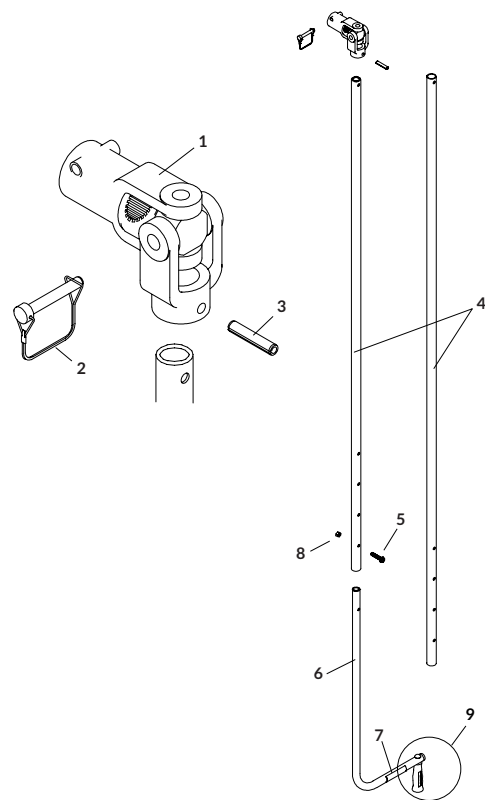
*These items are NOT shown in the drawing.

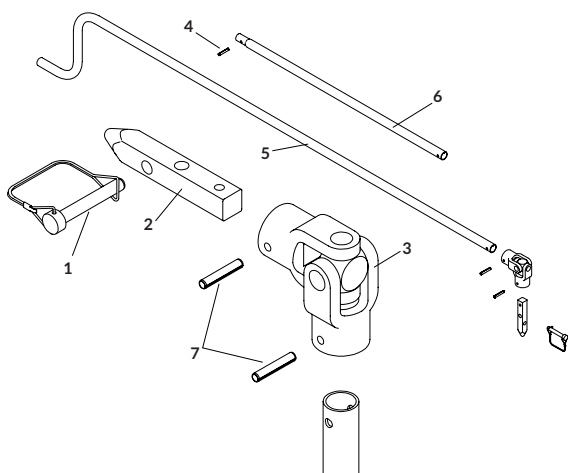
CRANK ARMS - SHUR-FLEX™

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Shur-Flex™ Crank Arm Kit - 80" Extension [Includes: D; F; 1; 12]	1102782	
	Shur-Flex™ Crank Arm Kit - 96" Extension [Includes: D; F; 1; 12]	1105176	
A	Offset Crank Retainer Kit [Includes: E; 14]	1101929	
B	Offset Pinless Crank Retainer Kit [Includes: C; 14]	1114603	
C	Offset Pinless Retainer Conversion Kit [Includes: 16; 17; 18; 19; 20; 21; 22; 23; 24]	1114602	
D	Shur-Flex™ Crank Extension - 80" [Includes: 3; 5; 6; 9]	1117752	
	Shur-Flex™ Crank Extension - 96" [Includes: 3; 5; 6; 9]	1105047	
E	Offset Crank Retainer Hdw [Includes: 2; 15; 2 of 16, 17 & 18]	1107062	
F	Shur-Lok® Crank Hdw [Includes: 8; 10; 16; 17]	1105305	
PARTS			
1	Splined U-Joint	1701243	
2	Wire Lock Pin - 3/8" x 2-1/2"	1700526	
3	Lock Tube - 5-1/2"	1101924	
4	Spring Pin - 3/8" x 2"	1700443	
5	Shur-Flex™ Crank Extension - 80" Shur-Flex™ Upper Crank Extension - 96"	1117753 1105049	
6	Spring Pin - 1/4" x 1-3/16"	1701118	
7	Male Knuckle w/Pin	1122522	
8	Female Knuckle w/Pin	1122523	
9	Lower Extension - 20"	1102691	
10	Centerlock Hex Nut - 3/8"	1700418	
11	Hex Head Cap Screw - 3/8" x 1-3/4"	1700369	
12	Standard Crank Arm - 24"	1100171	
13	Operating Decal	1100362	
14	Offset J-Hook Crank Retainer	1101930	
15	Cable w/#5 Interlock Snap	1100574	
16	Self-Tapping Screw - 3/8" x 1"	1700400	
17	Lock Washer - 3/8"	1700434	
18	Hex Nut - 3/8"	1700407	
19	Offset Pinless Crank Retainer Base Plate	1114599	
20	Clevis Pin - 5/16" x 1-3/4"	1703133	
21	Tension Spring	1703134	
22	Bowtie Cotter Pin - 1-3/8"	1704380	
23	Flat Washer - 1/4"	1700427	
24	Offset Pinless Crank Retainer Lock	1114600	
25	Crank Handle (handle - washer - nut)	1116110	

**CRANK ARMS - STANDARD**

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Standard Crank Kit - 96" Extension [Includes: A; 1; 4; 6]	1122845	
	Long Crank Kit - 80" Extension [Includes: A; 1; 4; 6]	1100813	
A	Shur-Lok® Crank Hdw [Includes: 2; 3; 5; 8]	1105305	
PARTS			
1	Splined U-Joint	1701243	
2	Wire Lock Pin - 3/8" x 2-1/2"	1700526	
3	Spring Pin - 3/8" x 2"	1700443	
4	Crank Extension - 96" Crank Extension - 80"	1106449 1100028	
5	Hex Head Cap Screw - 3/8" x 1-3/4"	1700369	
6	Standard Crank Arm - 24" Long Crank Arm - 60"	1100171 1100069	
7	Operating Decal	1100362	
8	Centerlock Hex Nut - 3/8"	1700418	
9	Crank Handle (handle - washer - nut)	1116110	



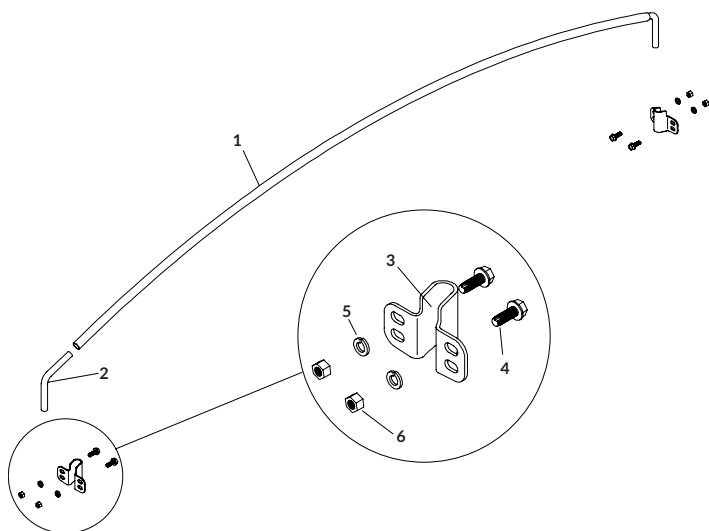
**USE W/BELT 'N RATCHET - CRANK ARMS - STANDARD**

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Standard Belt 'N Ratchet Crank Arm Kit [Includes: A; 3; 5]	*1100061	
Long Belt 'n Ratchet Crank Arm Kit [Includes: A; 3; 5; 6]	*1101500	
A Belt 'N Ratchet Crank Hdw [Includes: 2; 7; 2 of 4]	1115970	
PARTS		
1 Wire Lock Pin - 3/8" x 2-1/2"	1700526	
2 Pilot Crank Key	1115774	
3 Econo U-Joint	1700527	
4 Spring Pin - 1/4" x 1-1/2"	1700445	
5 Offset Crank Arm	1100461	
6 Square Crank Extension - 33"	1107838	
7 Spring Pin - 1/4" x 1-3/16"	1701118	

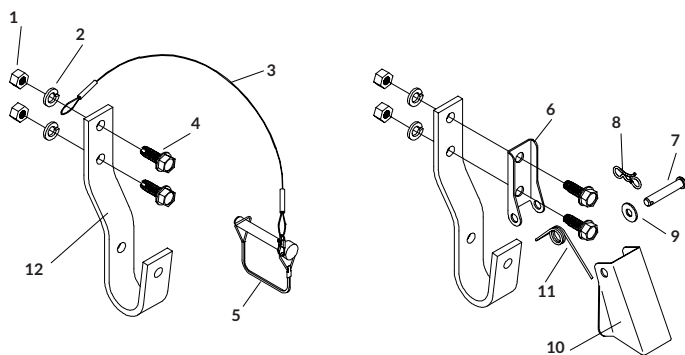
*Leave-on crank option requires wire lock pin (2), sold separately.

BOWS - GALVANIZED STEEL STANDARD

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Galvanized Bow Kit - 8" Rise - 78" to 84" [Includes: A; 1; 2; 2 of 3]	1117915	
Galvanized Bow Kit - 8" Rise - 85" to 92" [Includes: A; 1; 2; 2 of 3]	1117916	
Galvanized Bow Kit - 8" Rise - 93" to 102" [Includes: A; 1; 2; 2 of 3]	1100766	
Galvanized Bow Shank & Bracket Kit - 8" Rise [Includes: A; 2; 2 of 3]	1101608	
A Mounting Fasteners (4) [Includes: 4 of 4, 5 & 6]	1107711	
PARTS		
1 Galv Bow - 8" Rise - 78" to 84"	1117904	
Galv Bow - 8" Rise - 85" to 92"	1116120	
Galv Bow - 8" Rise - 93" to 102"	1100760	
2 Galv Bow Shank - 8" Rise	1100695	
3 Single Bow Bracket	1120836	
4 Self-Tapping Screw - 3/8" x 1"	1700400	
5 Lock Washer - 3/8"	1700434	
6 Hex Nut - 3/8"	1700407	

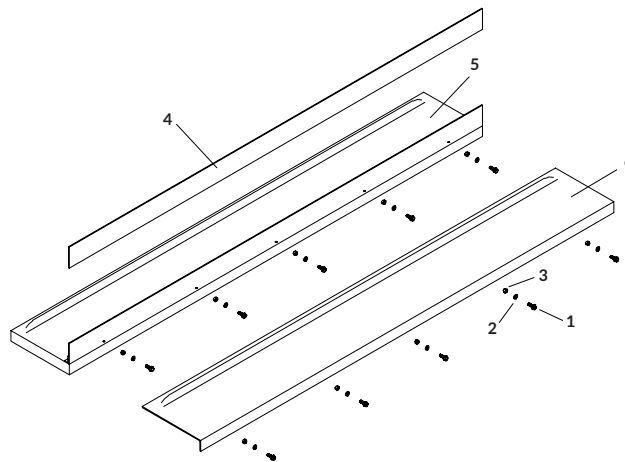
**CRANK RETAINERS**

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Offset Crank Retainer Kit [Includes: B; 12]	1101929	
Offset Pinless Crank Retainer Kit [Includes: A; 12]	1114603	
A Offset Pinless Retainer Conversion Kit [Includes: 6; 7; 8; 9; 10; 11; 2 of 1, 2 & 4]	1114602	
B Offset Crank Retainer Hdw [Includes: 3; 5; 2 of 1, 2 & 4]	1107062	
C Mounting Fasteners (10) [Includes: 10 of 1, 2 & 4]	1119159	
PARTS		
1 Hex Nut - 3/8"	1700407	
2 Lock Washer - 3/8"	1700434	
3 Cable w/#5 Interlock Snap	1100574	
4 Self-Tapping Screw - 3/8" x 1"	1700400	
5 Wire Lock Pin - 3/8" x 2-1/2"	1700526	
6 Offset Pinless Crank Retainer Base Plate	1114599	
7 Clevis Pin - 5/16" x 1-3/4"	1703133	
8 Bowtie Cotter Pin - 1-3/8"	1704380	
9 Flat Washer - 1/4"	1700427	
10 Offset Pinless Crank Retainer Lock	1114600	
11 Tension Spring	1703134	
12 Offset J-Hook Crank Retainer	1101930	



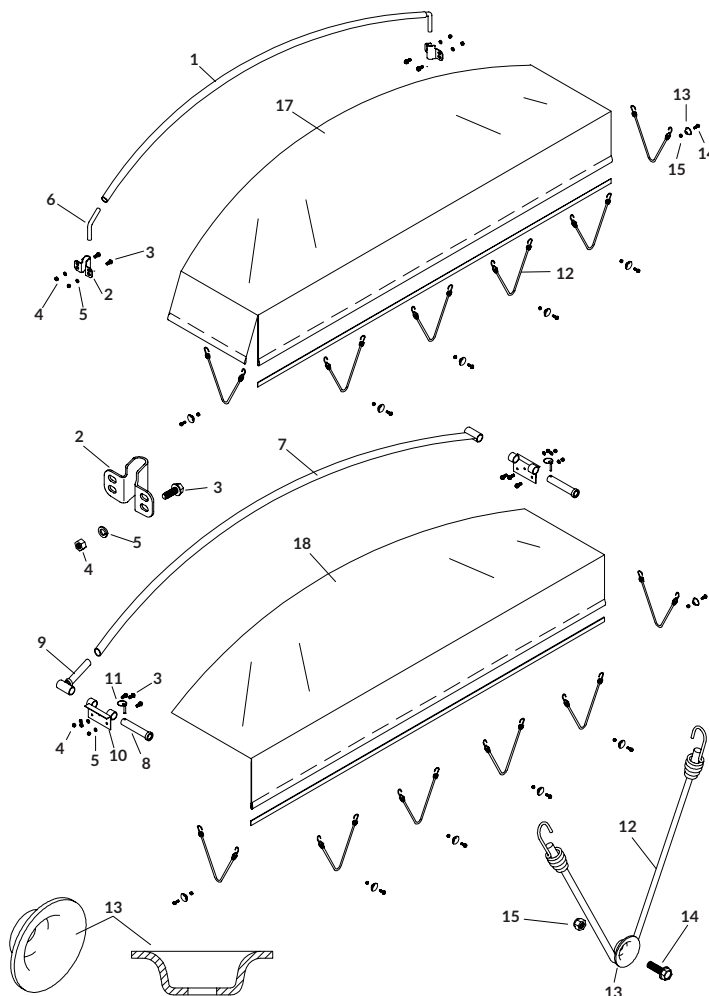
END CAPS - ALUMINUM FACE MOUNT

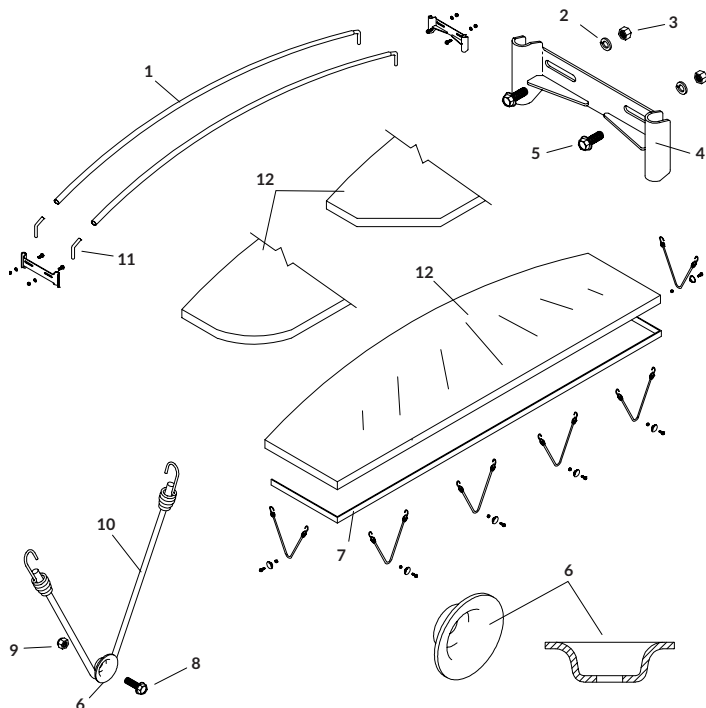
	DESCRIPTION	P/N	PRICE
HARDWARE			
A	Mounting Fasteners (7) [Includes: 10 of 1, 2 & 4]	1107787	
PARTS			
1	Self-Tapping Screw - 3/8" x 1"	1700400	
2	Lock Washer - 3/8"	1700434	
3	Hex Nut - 3/8"	1700407	
4	Rubber Windshield (per foot)	1701238	
FRONT CAP			
5	Alum SQ Front - Flat x 10" x 96"	1107422	
	Alum SQ Front - Flat x 10" x 101.50"	1107510	
BACK CAP			
6	Alum SQ Back - Flat x 10" x 96"	1107421	
	Alum SQ Back - Flat x 10" x 101.50"	1107512	



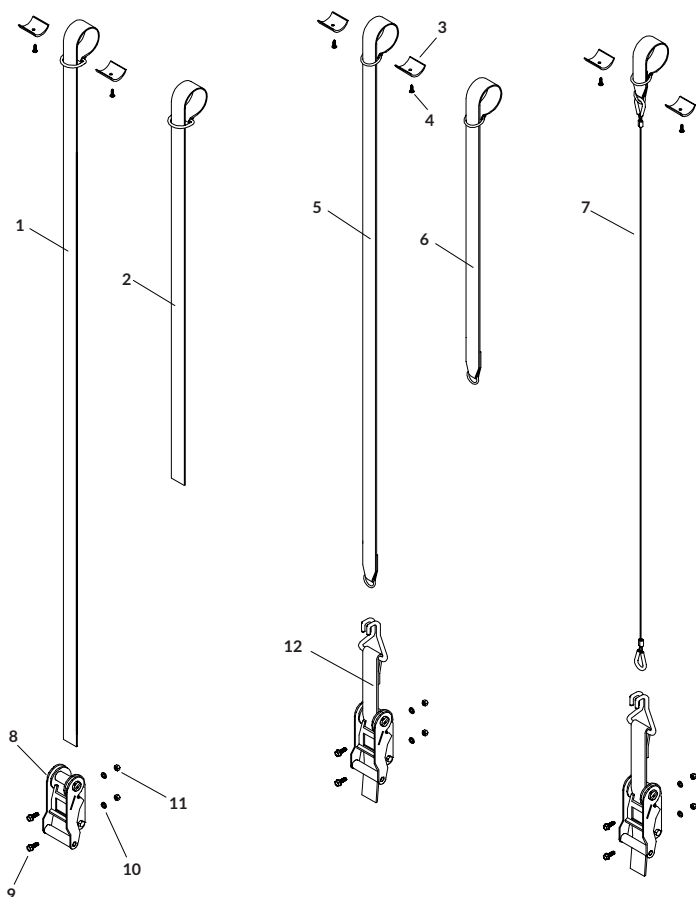
END CAPS - FABRIC BACK

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Single Back Std Fabric Cap Bow Kit - 8" Rise [Includes: A; 1; 6; 2 of 2 & 16; 6 of 12]	1100640	
	Single Back Std Fabric Cap Bow Kit - 12" Rise [Includes: A; 1; 6; 2 of 2 & 16; 6 of 12]	1100639	
	Single Back HD Fabric Cap/Flap Bow Kit - 8" Rise [Includes: 7; 9; 2 of 8, 10, 11 & 16; 6 of 3, 4, 5, 12, 13, 14 & 15]	1102903	
	Single Back HD Fabric Cap/Flap Bow Kit - 12" Rise [Includes: 7; 9; 2 of 8, 10, 11 & 16; 6 of 3, 4, 5, 12, 13, 14 & 15]	1102829	
A	Fabric Cap Hdw [Includes: 4 of 3, 4 & 5; 6 of 13, 14 & 15]	1105303	
PARTS			
1	Galv Bow - 8" Rise - 93" to 102"	1100760	
	Galv Bow - 12" Rise - 96" to 102"	1100762	
2	Single Bow Bracket	1120836	
3	Self-Tapping Screw - 3/8" x 1"	1700400	
4	Hex Nut - 3/8"	1700407	
5	Lock Washer - 3/8"	1700434	
6	Galv Bow Shank - 8" Rise	1100695	
	Galv Bow Shank - 12" Rise	1106925	
7	Heavy-Duty Bow - 8" Rise	1106612	
	Heavy-Duty Bow - 12" Rise	1101927	
8	Heavy-Duty Bow Pin	1104123	
9	Heavy-Duty Bow Shank	1104706	
10	Heavy-Duty Bow Bracket	1106614	
11	Lynch Pin - 5/16" x 1-3/4"	1701098	
12	Bungee Cord - 18"	1700990	
13	Rope Anchor	1701355	
14	Self-Tapping Screw - 5/16" x 1"	1701059	
15	Nylon Lock Hex Nut - 5/16"	1700419	
16	Alum Flat Bar - 103"	1700581	
FABRIC INSERT ONLY			
17	Square Fabric Back - 96"		
	Square Fabric Back - 102"		
FABRIC FLAP INSERT ONLY			
18	Dump Fabric Flap - 96"		
	Dump Fabric Flap - 102"		



**END CAPS - FABRIC FRONT**

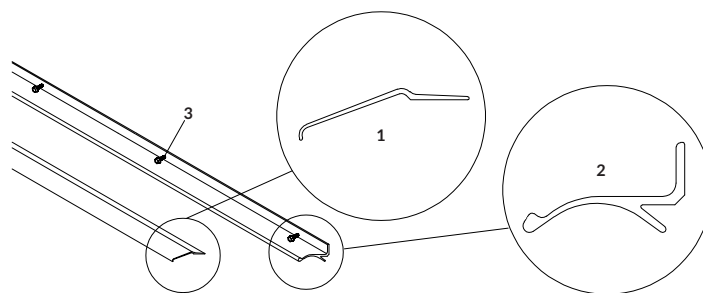
DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Double Front Fabric Cap Bow Kit - 8" Rise [Includes: A; 2 of 1, 4, 7 & 11; 6 of 10]	1100642	
Double Front Fabric Cap Bow Kit - 12" Rise [Includes: A; 2 of 1, 4, 7 & 11; 6 of 10]	1100641	
A Fabric Cap Hdw [Includes: 4 of 2, 3 & 5; 6 of 6, 8 & 9]	1105303	
PARTS		
1 Galv Bow - 8" Rise - 93" to 102"	1100760	
Galv Bow - 12" Rise - 96" to 102"	1100762	
2 Lock Washer - 3/8"	1700434	
3 Hex Nut - 3/8"	1700407	
4 Double Bow Bracket	1108211	
5 Self-Tapping Screw - 3/8" x 1"	1700400	
6 Rope Anchor	1701355	
7 Alum Flat Bar - 103"	1700581	
8 Self-Tapping Screw - 5/16" x 1"	1701059	
9 Nylon Lock Hex Nut - 5/16"	1700419	
10 Bungee Cord - 18"	1700990	
11 Galv Bow Shank - 8" Rise	1100695	
Galv Bow Shank - 12" Rise	1106925	
FABRIC INSERT ONLY		
12 Square Fabric Front - 96"		
Square Fabric Front - 102"		
Radius/Diagonal Fabric Front - 96"		
Radius/Diagonal Fabric Front - 102"		

**USE W/BELT 'N RATCHET - HOLD-DOWNS**

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Cable Hold-Down Kit - 7' [Includes: A; 8; 7; 12]	1106770	
Strap Hold-Down Kit - 5' [Includes: A; 8; 7; 12]	1106771	
Strap Hold-Down Kit - 9' [Includes: A; 8; 7; 12]	1106772	
Strap Hold-Down Kit w/Hook - 5' [Includes: A; 6; 8; 12]	1107224	
Strap Hold-Down Kit w/Hook - 7' [Includes: A; 6; 8; 12]	1107225	
U-Clamp Kit 2" - (3) [Includes: 3 of 3 & 4]	1115966	
U-Clamp Kit 2" - (8) [Includes: 8 of 3 & 4]	1118643	
U-Clamp Kit 2" - (10) [Includes: 10 of 3 & 4]	1118644	
U-Clamp Kit 2" - (14) [Includes: 14 of 3 & 4]	1118663	
A Mounting Fasteners (2) [Includes: 2 of 9, 10 & 11]	1118592	
PARTS		
1 Strap Assy - 9'	1106774	
Strap Assy - 10'	1110337	
2 Strap Assy - 5'	1100470	
3 Plastic U-Clamp	1701354	
4 Self-Drilling Screw - 1/4" x 3/4"	1700398	
5 Wire Hook Strap Assy - 7'	1107223	
6 Wire Hook Strap Assy - 5'	1107222	
7 Cable Assy - 7'	1106763	
8 Ratchet - 2"	1100457	
9 Self-Tapping Screw - 3/8" x 1"	1700400	
10 Lock Washer - 3/8"	1700434	
11 Hex Nut - 3/8"	1700407	
12 Web Assy w/Hook	1106754	

LATCHPLATES

	DESCRIPTION	P/N	PRICE
PARTS			
1	Alum Top Mount Latchplate - 4'	1100370	\$28.35
	Alum Top Mount Latchplate - 6'	1100369	\$42.45
	Alum Top Mount Latchplate - 8'	1100368	\$56.60
2	Alum Side Mount Latchplate - 4'	1100749	\$29.70
	Alum Side Mount Latchplate - 6'	1700802	\$44.50
	Alum Side Mount Latchplate - 8'	1700522	\$59.35
3	Self-Tapping Screw - 3/8" x 1"	1700400	\$0.86

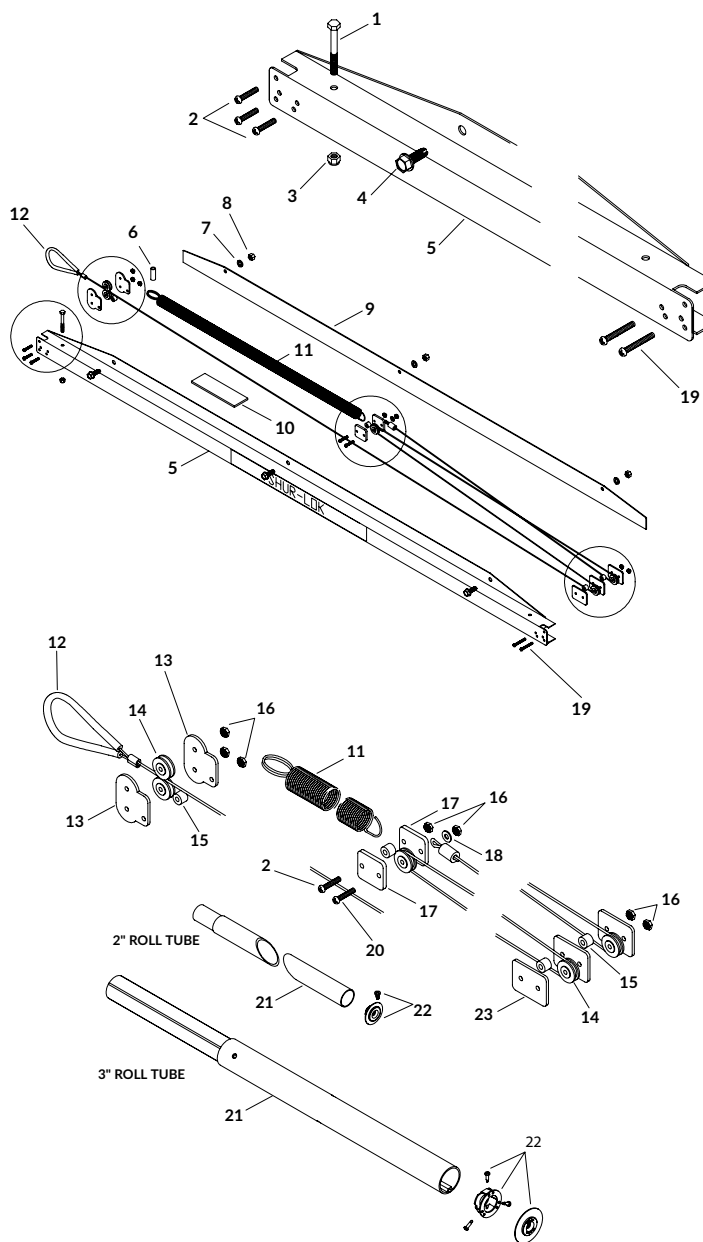


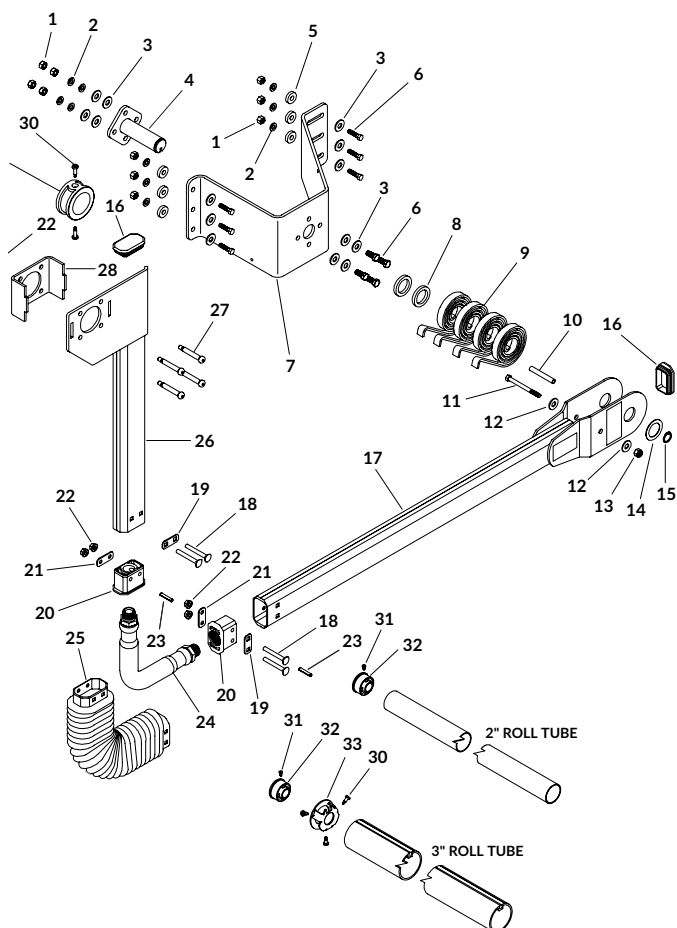
RETURNS - FRONT | REAR CABLE

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Rear Cable Return Kit [Includes A; 1; 3; 5; 6; 10; 11; 12; 18; 20; 2 of 13, 17 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	1111121	\$225.35
	Rear Cable Return Kit w/Roll Tube Ext. [Includes A; 1; 3; 5; 6; 10; 12; 18; 20; 21; 22; 2 of 13, 17, 18 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	1112064	\$239.65
	Front Cable Return Kit [Includes A; 1; 3; 5; 6; 10; 11; 12; 18; 20; 22; 2 of 13, 17 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	1111122	\$225.35
	Front Cable Return Kit w/Roll Tube Ext. [Includes A; 1; 3; 5; 6; 10; 12; 18; 20; 21; 22; 2 of 13, 17, 18 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	1112065	\$239.65
	HD Rear Cable Return Kit - 3" [Includes A; 1; 3; 5; 6; 9; 10; 11; 12; 18; 20; 2 of 13, 17 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	*1124868	\$259.95
	HD Rear Cable Return Kit w/Roll Tube Ext. - 3" [Includes A; 1; 3; 5; 6; 10; 12; 18; 20; 21; 22; 2 of 13, 17, 18 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	*1124905	\$324.90
	HD Front Cable Return Kit - 3" [Includes A; 1; 3; 5; 6; 9; 10; 11; 12; 18; 20; 22; 2 of 13, 17 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	*1124869	\$259.95
	HD Front Cable Return Kit w/Roll Tube Ext. - 3" [Includes A; 1; 3; 5; 6; 10; 12; 18; 20; 21; 22; 2 of 13, 17, 18 & 19; 3 of 23; 4 of 2 & 15; 5 of 14; 7 of 16]	*1124906	\$324.90
A	Cable Return Mounting Hdw [Includes 3 of 4, 7 & 8]	1111469	\$2.85
PARTS			
1	Hex Head Cap Screw - 1/4" x 2-1/4"	1702672	\$0.50
2	Machine Screw - 1"	1702654	\$0.75
3	Nylon Lock Hex Nut - 1/4"	1701543	\$0.10
4	Self-Tapping Screw - 3/8" x 1"	1700400	\$0.86
5	Universal Cable Return Housing	1114728	\$65.70
6	Spacer Washer - 1-9/16"	1131010	\$2.50
7	Lock Washer - 3/8"	1700434	\$0.15
8	Hex Nut - 3/8"	1700407	\$0.15
10	Velcro® Hook - 1" x 4"	1115206	\$4.40
11	Extension Spring Heavy-Duty Extension Spring	1702657 1702896	\$27.70 \$50.75
12	Cable w/Return Strap Cable w/Return Strap - 3"	1114582 *1124870	\$61.15 \$61.15
13	Front Retainer Plate	1114691	\$6.15
14	Pulley - 1/16" Cable Groove	1703006	\$10.85
15	Plastic Spacer - 3/8"	1111056	\$0.95
16	Machine Screw Nut	1702653	\$0.35
17	Rope Block Retainer Plate	1112997	\$5.05
18	Flat Washer - #10	1111054	\$0.15
19	Machine Screw - 1-1/2"	1702656	\$0.40
20	Machine Screw - 1-1/4"	1702655	\$1.05
21	Swaged Roll Tube Extension - 2" x 32" Roll Tube Extension - 3" x 45"	1117496 *1124901	\$45.75 \$121.60
22	End Plug/Cable Retainer w/Screw End Plug/Cable Retainer w/Screws - 3"	1111808 *1124904	\$22.90 \$48.65
23	Rear Retainer Plate	1110913	\$6.95

*Used with 3" roll tubes.

NOTE: Reverse-roll systems, use rear returns on the front of trailer, front returns on the rear of trailer.





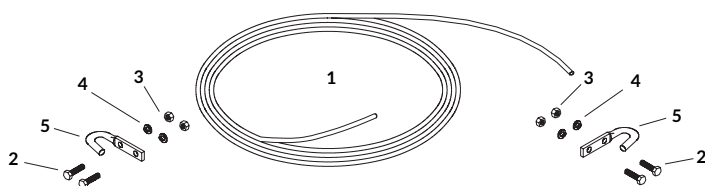
RETURNS - HEAVY-DUTY FRONT ARM

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
HD Front Arm Return Kit [Includes: C; D; E; F; 4; 17; 24; 25; 26; 32; 2 of 5; 4 of 9; Sloped Bracket and 3-3/4" Pivot Bracket]	1124119	
HD Front Arm Return Kit - 3" [Includes: C; D; E; F; 4; 17; 24; 25; 26; 32; 2 of 5; 4 of 9; Sloped Bracket and 3-3/4" Pivot Bracket]	*1124794	
Flex Arm Joint Kit - 4500 HD A [Includes: 24; 25; 2 of 19; 20; 21 & 23; 4 of 18 & 22]	1125154	
Flex Arm Joint Hdw B [Includes: 19; 21; 2 of 18 & 22]	1121702	
Spring Support Hdw C [Includes: 10; 11; 13; 14; 15; 2 of 8 & 12]	1116926	
Pivot Bracket Hdw - 6" Sloped D [Includes: 6 of 5; 16 of 1; 2 & 6; 26 of 3]	1121580	
Exposed Spline/Bearing Hdw E [Includes: 28; 29; 2 of 16; 20 & 30; 4 of 22; 27]	1121723	
Exposed Spline/Bearing Hdw - 3" F [Includes: 28; 29; 33; 2 of 16; 20 & 30; 3 of 31; 4 of 22 & 27]	*1124795	
Flex Joint Hdw G	1121647	
PARTS		
1 Hex Nut - 3/8"	1700407	
2 Lock Washer - 3/8"	1700434	
3 Flat Washer - 3/8"	1700429	
4 Pivot Pin - 4 Spring	1116920	
5 Spacer Washer - 1/4" x 1" OD x .406"	1120291	
6 Hex Head Cap Screw - 3/8" x 1-1/4"	1702891	
7 Pivot Mnt Bracket - 6" x 9-1/4"	1121578	
8 Spacer Washer - 1/4" x 1.81 OD x 1.28"	1118318	
9 Spiral Torsion Spring	1111027	
10 Spacer Tube - .35" x 2-5/8"	1117033	
11 Hex Head Cap Screw - 5/16" x 3-1/2"	1201022	
12 Flat Washer - 5/16"	1700428	
13 Nylon Lock Hex Nut - 5/16"	1700419	
14 Flat Washer - 1-1/4" x 1-7/8"	1702890	
15 Retaining Ring - 1-1/4"	1702888	
16 Cap Plug	1704892	
17 Lower Flex Arm w/Warning Decals - Front	1121617	
18 Carriage Bolt - 5/16" x 2-1/2" - GR5	1701455	
19 Bellow Plate - Square Holes	1121414	
20 End Fitting	1704891	
21 Bellow Plate - Round Holes	1121413	
22 Flanged Nylon Lock Nut - 5/16"	1704931	
23 Spring Pin - 1/4" x 1-3/8"	1704966	
24 Flex Arm Joint	1706825	
25 Arm Bellow	1704775	
26 Upper Flex Arm - Bearing	1121281	
Upper Flex Arm - Bearing - 3"	*1124958	
27 Shoulder Bolt - 3/8" x 2" Thread x 5/16" x 1/2"	1704943	
28 Bearing Mount Box	1121430	
Bearing Mount Box - 3"	*1123248	
29 Rear Arm Bearing Ring	1704942	
Rear Arm Bearing Ring - 3"	*1705160	
30 Self-Drilling Screw - 1/4" x 3/4"	1700398	
31 Self-Drilling Screw - #10-16 x 1/2"	1704743	
32 Nylon End Plug	1100138	
33 Roll Tube End Cap - Front	*1121041	

*Used with 3" roll tubes.

USE W/ BELT 'N RATCHET - RETURNS - ROPE

DESCRIPTION	P/N	PRICE
KITS		
Rope Return Kit [Includes: 1; 2 of 5; 4 of 2, 3 & 4]	1100064	
PARTS		
1 Solid Braid Rope - 1/4" - 32'	1100469	
2 Hex Head Cap Screw - 1/4" x 1"	1700381	
3 Hex Nut - 1/4"	1700408	
4 Lock Washer - 1/4"	1700436	
5 Box Hook - 3/8" x 3-1/4"	1700682	

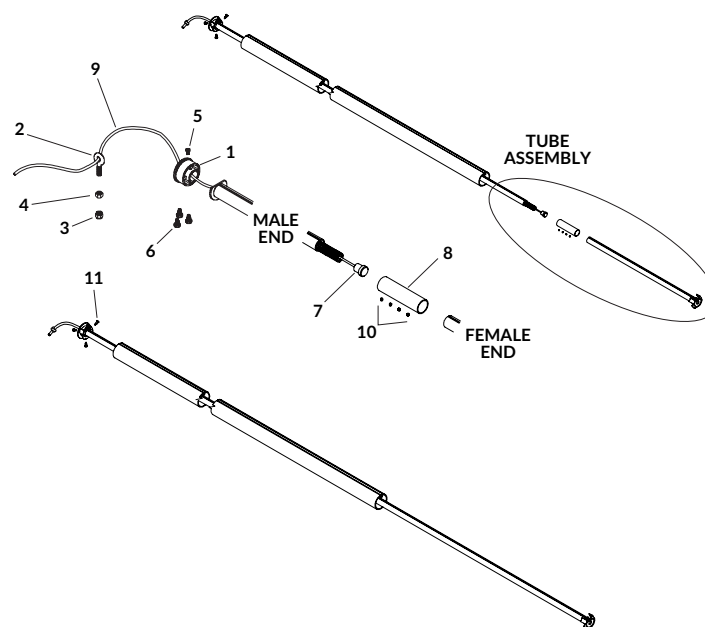


RETURNS - SHUR-RETURN™

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Shur-Return™ Kit [Includes: Tube Assembly; A]	*1100824	
	2-Piece Shur-Return™ Kit [Includes: Tube Assembly; A; 7; 8; 9; 4 of 10]	*1107881	
	Shur-Return™ Kit - 3" [Includes: Tube Assembly; B]	**1124875	
	2-Piece Shur-Return™ Kit - 3" [Includes: Tube Assembly; B; 7; 8; 9; 4 of 10]	**1124876	
A	Shur-Return™ Hdw [Includes 1; 2; 3; 4; 5; 5 of 6]	1107128	
B	Shur-Return™ Hdw - 3" [Includes 1; 2; 3; 4; 5; 3 of 11; 5 of 6]	**1124881	
PARTS			
1	Nylon End Plug	1100138	
2	Eyebolt Anchor - 5/16"	1700717	
3	Nylon Lock Hex Nut - 5/16"	1700419	
4	Hex Nut - 5/16"	1700411	
5	Self-Drilling Screw - #10-16 x 1/2"	1704743	
6	Self-Tapping Screw - 1/4" x 1/2"	1700736	
7	Spring Retainer Plug	1100827	
8	Connector Sleeve	1107879	
9	Shur-Return™ Rope - 12'	1100826	
10	Hex Socket Set Screw - #10-32 x 3/16"	1701423	
11	Self-Drilling Screw - 1/4" x 1"	1705198	

*Additional over length shipping charges apply.

**Used with 3" roll tubes.

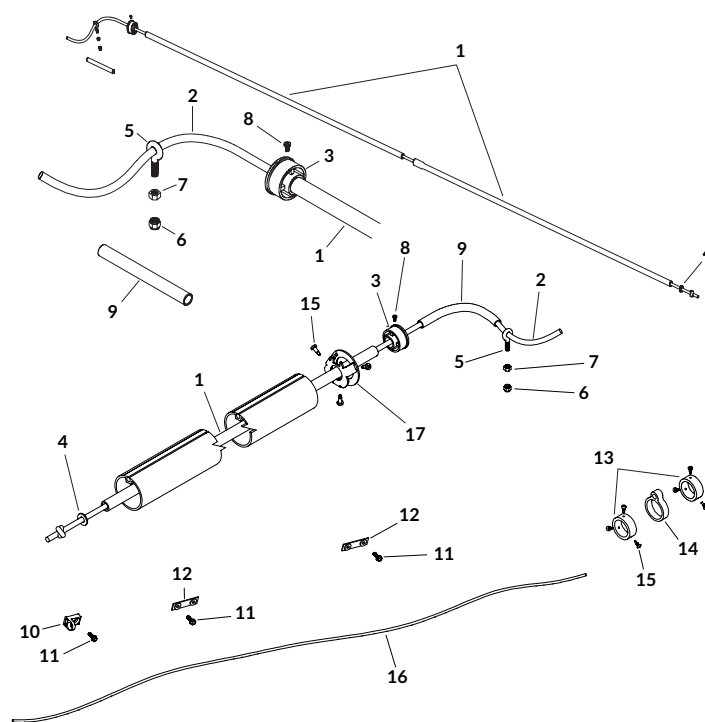


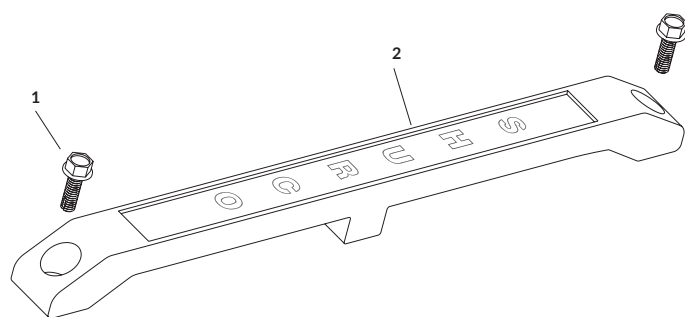
RETURNS - STRETCH CORD (BUNGEE)

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Front Stretch Cord Roll Return Kit [Includes: A; 1; 2]	1114359	
	Front Stretch Cord Roll Return Kit - 3" [Includes: B; 1; 2]	*1124882	
	Shock Cord Roll Return Kit - 2" [Includes: 10; 12; 14; 16; 2 of 11 & 13; 6 of 15]	1114951	
	Replacement End Plug Kit [Includes: 3; 8]	1119034	
A	Roll Return Hdw [Includes: 3; 4; 5; 6; 7; 8; 9]	1107127	
B	Roll Return Hdw - 3" [Includes: 3; 4; 5; 6; 7; 8; 9; 17; 3 of 15]	*1124883	
PARTS			
1	Roll Return Tube Set - 2 Pc.	1111067	
2	Roll Return Stretch Cord - 11-1/2'	**1114360	
	Bulk Roll Return Stretch Cord (Sold only in 300' rolls)	1703335	
3	Nylon End Plug	1100138	
4	Flat Washer - 1/2"	1703373	
5	Eyebolt Anchor - 5/16"	1700717	
6	Nylon Lock Hex Nut - 5/16"	1700419	
7	Hex Nut - 5/16"	1700411	
8	Self-Drilling Screw - #10 x 1/2"	1704743	
9	Protective Stretch Cord Cover	1107680	
10	Shock Cord Eye Bracket	1703445	
11	Self-Tapping Screw - 3/8" x 1"	1700400	
12	Shock Cord Tie-Down Strap	1114948	
13	Rear Arm Retaining Collar	1704352	
14	Roll Tube Eye	1114947	
15	Self-Drilling Screw - 1/4" x 1"	*1705198	
16	Shock Cord - 11-1/2"	1122332	
17	Roll Tube End Cap - Front	*1121041	

*Used with 3" roll tubes.

**Comes with protective stretch cord cover (P/N 1107680).

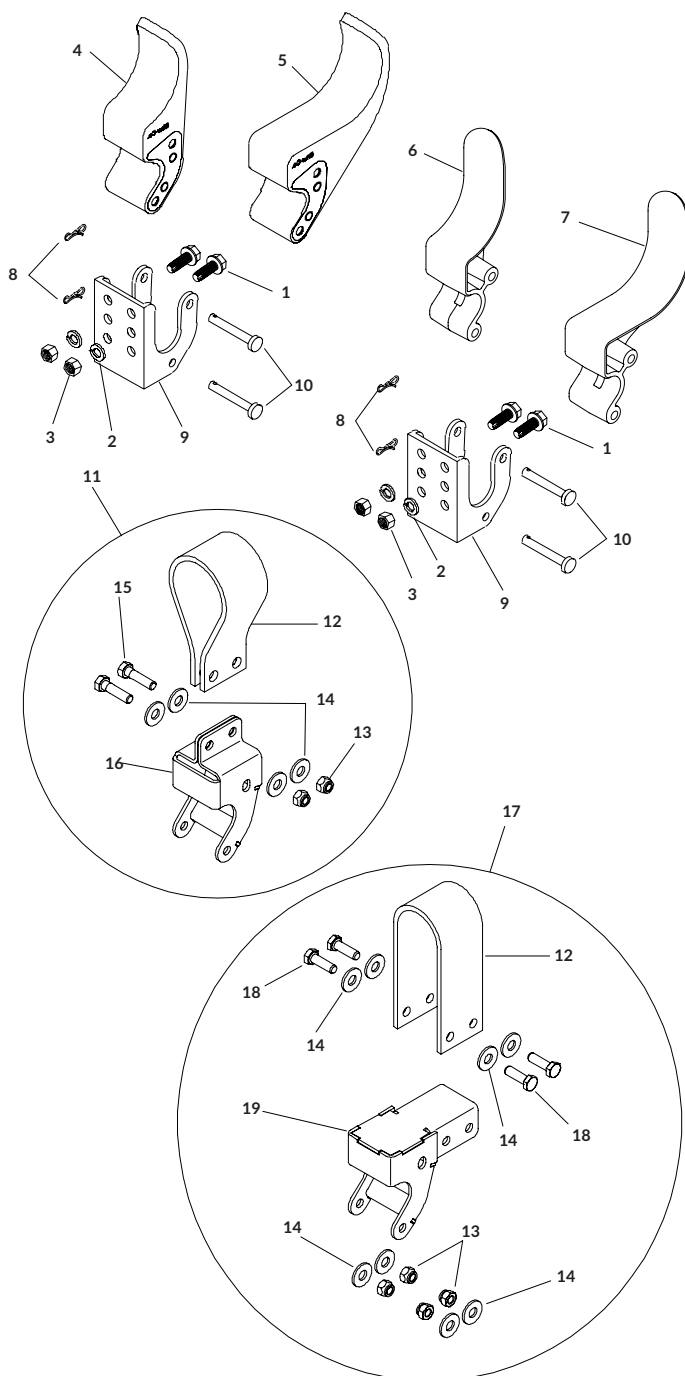


**ROLL TUBE DEFLECTORS**

DESCRIPTION	P/N	PRICE
KITS		
Roll Tube Deflector Kit (1) - Gray [Includes: 1; 2 of 2]	1117513	
Roll Tube Deflector Kit (2) - Gray [Includes 2 of 1; 4 of 2]	1114579	
Roll Tube Deflector Kit (1) - Black [Includes: 1; 2 of 2]	1117514	
Roll Tube Deflector Kit (2) - Black [Includes 2 of 1; 4 of 2]	1114659	
PARTS		
1 Roll Tube Deflector - Gray - 17-1/4"	1112029	
Roll Tube Deflector - Black - 17-1/4"	1114658	
2 Self-Tapping Screw - 5/16" x 1"	1701059	

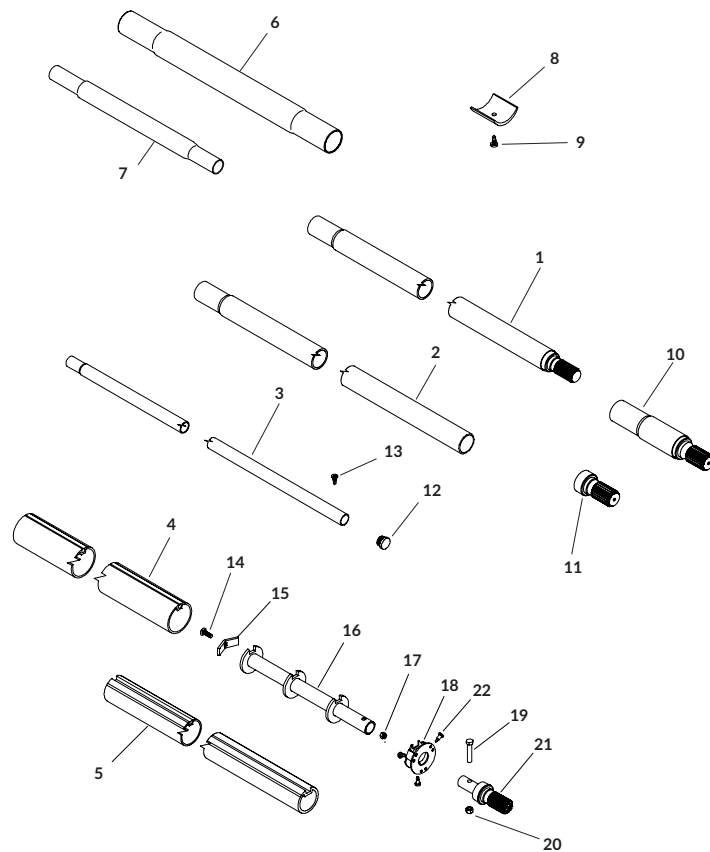
TARP STOPS

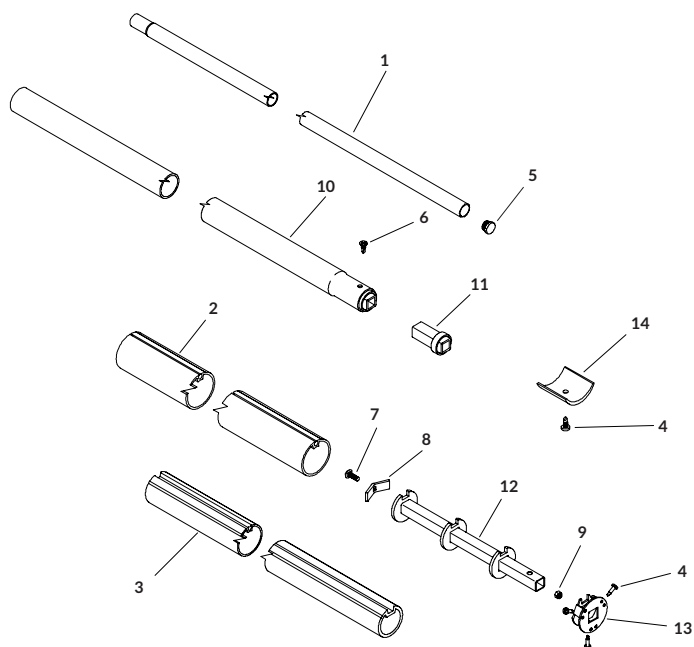
DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Easy-Off Aluminum Tarp Stop w/Hdw [Includes: A; B; 6; 9]	1124780	
Easy-Off Aluminum 6" Offset Tarp Stop w/Hdw [Includes: A; B; 7; 9]	1124783	
Easy-Off Flexible Tarp Stop w/Hdw [Includes: A; B; 4; 9]	1114047	
EOF Flexible 6" Offset Tarp Stop w/Hdw [Includes: A; B; 5; 9]	1114388	
Easy-Off Belt Flex Tarp Stop w/Hdw [Includes: A; B; 11; 9]	1122278	
EOF Belt Flex 6" Offset Tarp Stop w/Hdw [Includes: A; B; 17; 9]	1123798	
A Bowtie Cotter Pin/Ring Assembly [Includes: 2 of 8 & 10]	1118389	
B Mounting Fasteners (2) [Includes: 2 of 1, 2 & 3]	1118592	
PARTS		
1 Self-Tapping Screw - 3/8" x 1"	1700400	
2 Lock Washer - 3/8"	1700434	
3 Hex Nut - 3/8"	1700407	
4 EOF Flexible Tarp Stop Upright	1115216	
5 EOF Flexible 6" Offset Tarp Stop Upright	1115217	
6 Easy-Off Aluminum Tarp Stop Upright	1705775	
7 Easy-Off Aluminum 6" Offset Tarp Stop Upright	1705454	
8 Bowtie Cotter Pin - 1-3/8"	1704380	
9 Easy-Off Tarp Stop Body	1100833	
10 Clevis Pin - 5/16" x 2-7/8"	1703604	
11 Easy-Off Belt Flex Tarp Stop Upright [Includes: 12; 16; 2 of 13 & 15; 4 of 14]	1122260	
12 Rubber Belting - .20" x 2" x 12"	1122237	
13 Nylon Lock Hex Nut - 5/16"	1700419	
14 Flat Washer - 5/16"	1700428	
15 Hex Head Cap Screw - 5/16" x 1-1/4"	1701208	
16 Tarp Stop Upright Bracket	1122259	
17 Easy-Off Belt Flex 6" Offset Tarp Stop Upright [Includes: 12; 19; 4 of 13 & 18; 8 of 14]	1123455	
18 Hex Head Cap Screw - 5/16" x 1"	1704416	
19 Tarp Stop Upright Bracket - Offset	1123454	



TARP TUBES

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	U-Clamp Kit 2" - (3) [Includes: 3 of 8 & 9]	1115966	\$5.35
	U-Clamp Kit 2" - (8) [Includes: 8 of 8 & 9]	1118643	\$14.00
	U-Clamp Kit 2" - (10) [Includes: 10 of 8 & 9]	1118644	\$17.30
	U-Clamp Kit 2" - (14) [Includes: 14 of 8 & 9]	1118663	\$26.60
	U-Clamp Kit 3" - (3) [Includes: 3 of 8 & 9]	1126790	\$7.10
	U-Clamp Kit 3" - (8) [Includes: 8 of 8 & 9]	1126791	\$18.50
	U-Clamp Kit 3" - (10) [Includes: 10 of 8 & 9]	1126792	\$22.95
	U-Clamp Kit 3" - (14) [Includes: 14 of 8 & 9]	1126793	\$34.55
	Manual Crank Kit - 3" [Includes: A; 16; 18; 21]	1122879	\$217.35
A	Drive Shaft Hdw - 3" [Includes: 14; 15; 17; 19; 20; 3 of 22]	1131569	\$11.40
B	Fixed Tube Hdw [Includes: 2 of 12 & 13]	1115112	\$3.25
PARTS			
1	Roll Tube w/Spline - 2" x 8'	1128148	\$78.40
	Roll Tube w/Spline - 2" x 11'-8"	1128147	\$101.55
	Roll Tube w/Spline - 2" x 12'-9"	1119118	\$100.80
	Roll Tube w/Spline - 2" x 16'	1107057	\$135.30
	Roll Tube w/Spline - 2" x 20'	1107058	\$162.20
	Roll Tube w/Spline - 2" x 24'	1107059	\$193.30
2	Roll Tube - 2" x 8'	1706153	\$52.45
	Roll Tube - 2" x 11'	1706152	\$72.10
	Roll Tube - 2" x 15'	1706151	\$102.00
	Roll Tube - 2" x 16'	1700048	\$104.70
	Roll Tube - 2" x 20'	1700046	\$130.50
	Roll Tube - 2" x 24'	1701427	\$162.20
3	Fixed Tube - 1-1/8" x 8'	1706156	\$32.65
	Fixed Tube - 1-1/8" x 11'	1706155	\$43.75
	Fixed Tube - 1-1/8" x 15'	1706154	\$59.75
	Fixed Tube - 1-1/8" x 16'	1700051	\$66.40
	Fixed Tube - 1-1/8" x 20'	1700049	\$79.35
	Fixed Tube - 1-1/8" x 24'	1701428	\$95.00
4	Alum Roll Tube - 3" x 12'	1118639	\$173.70
	Alum Roll Tube - 3" x 16'	1704439	\$228.80
	Alum Roll Tube - 3" x 20'	1704398	\$289.55
	Alum Roll Tube - 3" x 24'	1704236	\$342.00
5	Alum Splice Tube - 3"	1704863	\$36.75
6	Roll Tube Swaged Connector	1107076	\$18.45
7	Fixed Tube Swaged Connector	1107077	\$11.40
8	Plastic U-Clamp	1701354	\$1.59
9	Self-Drilling Screw - 1/4" x 3/4"	1700398	\$0.32
	Self-Drilling Screw - 1/4" x 1"	1705198	\$0.85
10	Spline Shaft Replacement - 2" x 9"	1107260	\$61.20
	Spline Shaft Replacement - 2" x 13"	1117670	\$75.25
	Spline Shaft Replacement - 2" x 21"	1120107	\$89.30
11	Spline Shaft w/o Connector Tube	1701244	\$39.45
12	Plastic End Plug	1700523	\$0.95
13	Flat-Headed Self-Drilling Screw - 1/4" x 3/4"	1704768	\$0.70
14	Carriage Bolt - 5/16" x 1" - GR5	1704237	\$0.35
15	Cartridge Clamp	1118194	\$2.35
16	Rear Cartridge	1121039	\$62.85
17	Nylon Lock Nut - 5/16"	1704297	\$0.15
18	Roll Tube End Cap - Rear	1121040	\$33.05
19	Hex Head Cap Screw - 3/8" x 2"	1704264	\$1.00
20	Nylon Lock Nut - 3/8"	1701580	\$0.60
21	Manual Crank Spline - 1" Shaft - 3"	1121111	\$147.70
22	Self-Drilling Screw - 1/4" x 1"	1705198	\$0.85





USE W/BELT 'N RATCHET - TARP TUBES

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Manual Crank Kit - 3" Aluminum Roll Tube w/Square Key [Includes: 7; 8; 9; 13; 14; 3 of 4]	1124899	
Fixed Tube Hdw [Includes: 2 of 5 & 6]	1115112	
PARTS		
1 Fixed Tube - 1-1/8" x 8'	1706156	
Fixed Tube - 1-1/8" x 11'	1706155	
Fixed Tube - 1-1/8" x 15'	1706154	
Fixed Tube - 1-1/8" x 16'	1700051	
Fixed Tube - 1-1/8" x 20'	1700049	
Fixed Tube - 1-1/8" x 24'	1701428	
2 Alum Roll Tube - 3" x 12'	1118639	
Alum Roll Tube - 3" x 16'	1704439	
Alum Roll Tube - 3" x 20'	1704398	
Alum Roll Tube - 3" x 24'	1704236	
3 Alum Splice Tube - 3"	1704863	
4 Self-Drilling Screw - 1/4" x 1"	1705198	
5 Plastic End Plug	1700523	
6 Flat-Headed Self-Drilling Screw - 1/4" x 3/4"	1704768	
7 Carriage Bolt - 5/16" x 1" - GR5	1704237	
8 Cartridge Clamp	1118194	
9 Nylon Lock Nut - 5/16"	1704297	
10 Roll Tube w/Square Key - 2" x 8'	1105174	
Roll Tube w/Square Key - 2" x 11'	1128150	
Roll Tube w/Square Key - 2" x 15'	1128149	
Roll Tube w/Square Key - 2" x 16'	1105132	
Roll Tube w/Square Key - 2" x 20'	1105131	
Roll Tube w/Square Key - 2" x 24'	1105124	
11 Roll Tube Square Key Replacement	1105033	
12 Rear Cartridge w/Square Key	1124893	
13 Roll Tube End Cap - Rear w/Square Key	1124896	
14 Plastic U-Clamp	1701354	

FASTENERS

DESCRIPTION	P/N	CASE	REGULAR	BULK
Self-Tapping Screw - 3/8" x 1"	1700400	840		
Plastic U-Clamp	1701354	1500		
Self-Drilling Screw - 1/4" x 3/4"	1700398	2500		
Clevis Pin - 5/16" x 2-7/8"	1703604	200		
Bow tie Cotter Pin - 1-3/8"	1704380	200		

LATCHPLATES

DESCRIPTION	P/N	CASE	REGULAR	BULK
Alum Side Mount Latchplate - 4'	1100749	100		
Alum Side Mount Latchplate - 6'	1700802	100		
Alum Side Mount Latchplate - 8'	1700522	100		

TARP STOPS

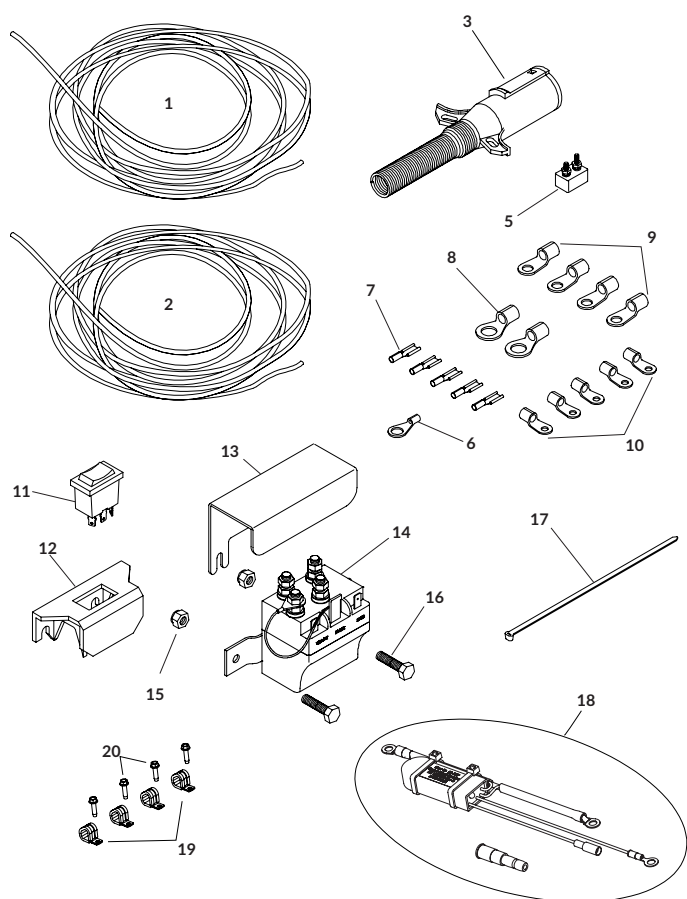
DESCRIPTION	P/N	CASE	REGULAR	BULK
EOF Tarp Stop Body	1100833	100		
EOF Alum Tarp Stop Upright	1705775	50		
EOF Alum 6" Offset Tarp Stop Upright	1705454	35		
EOF Flexible 6" Offset Tarp Stop Upright	1115217	60		
EOF Flexible Tarp Stop Upright	1115216	100		
EOF Alum Tarp Stop w/Hdw	1124780	75		
EOF Alum 6" Offset Tarp Stop w/Hdw	1124783	50		
EOF Flexible Tarp Stop w/Hdw	1114047	50		
EOF Flexible 6" Offset Tarp Stop w/Hdw	1114388	50		

TARP TUBES

DESCRIPTION	P/N	CASE	REGULAR	BULK
Roll Tube - 2" x 8'	1706153	50		
Roll Tube - 2" x 11'	1706152	50		
Roll Tube - 2" x 15'	1706151	50		
Roll Tube - 2" x 16'	1700048	50		
Roll Tube - 2" x 20'	1700046	50		
Roll Tube - 2" x 24'	1701427	50		
Fixed Tube - 1-1/8" x 8'	1706156	100		
Fixed Tube - 1-1/8" x 11'	1706155	100		
Fixed Tube - 1-1/8" x 15'	1706154	100		
Fixed Tube - 1-1/8" x 16'	1700051	100		
Fixed Tube - 1-1/8" x 20'	1700049	100		
Fixed Tube - 1-1/8" x 24'	1701428	100		
Ridgepole Tube - 8'	1706159	50		
Ridgepole Tube - 11'	1706158	50		
Ridgepole Tube - 15'	1706157	50		
Ridgepole Tube - 16'	1701204	50		
Ridgepole Tube - 20'	1701205	50		
Ridgepole Tube - 24'	1701206	50		

WIRE - DUAL CONDUCTOR

DESCRIPTION	P/N	CASE	REGULAR	BULK
Dual-Conductor Wire - 6 Ga. (500')	1705995	500		
Dual-Conductor Wire - 6 Ga. (1800')	1132341	1800		
Dual-Conductor Wire - 4 Ga. (per foot)	1705107	1250		

**CAB WIRING KITS**

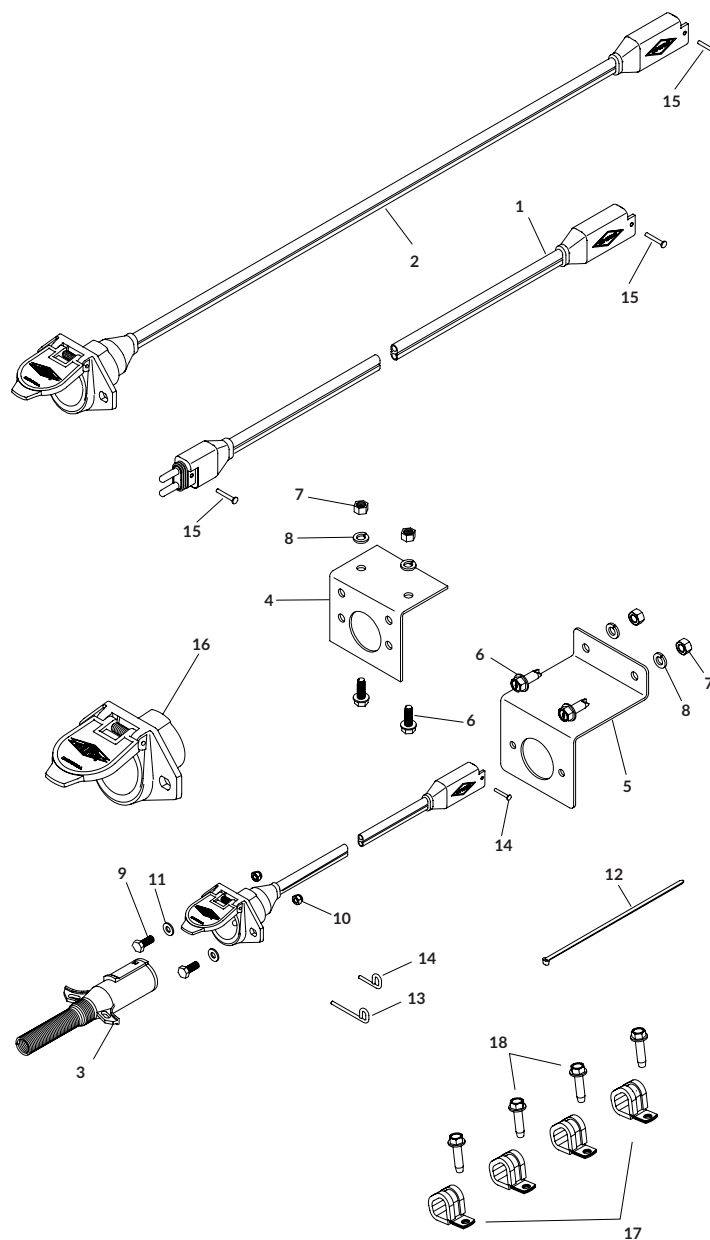
	DESCRIPTION	P/N	PRICE
ROCKER SWITCH KITS			
+ 4500 SERIES HD			
	Cab Wiring for Rocker - 6 Ga. x 20' - SMART50 x 40 Amp [Includes: A; 1; 2; 3; 18; 15 of 17]	1127844	
	Cab Wiring for Rocker - 6 Ga. x 30' - SMART50 x 40 Amp [Includes: A; 1; 2; 3; 18; 15 of 17]	1127845	
5	40-Amp Modified-Reset Circuit Breaker	1704354	
18	50-Amp Smart Circuit Breaker	1126783	
+ APEX™			
	Cab Wiring for Rocker - 6 Ga. x 20' - SMART80 x 50 Amp [Includes: B; 1; 2; 3; 18; 15 of 17]	1132461	
	Cab Wiring for Rocker - 6 Ga. x 30' - SMART80 x 50 Amp [Includes: B; 1; 2; 3; 18; 15 of 17]	1127141	
5	50-Amp Auto-Reset Circuit Breaker	1703480	
18	80-Amp Smart Circuit Breaker	1126784	
WIRELESS KITS			
+ 4500 SERIES HD / APEX™			
	Cab Wiring for Wireless - 6 Ga. x 20' - 40 Amp [Includes: C; 1; 3]	1116928	
	Cab Wiring for Wireless - 6 Ga. x 30' - 40 Amp [Includes: C; 1; 3]	1119643	
	Cab Wiring for Wireless - 6 Ga. x 40' - 40 Amp [Includes: C; 1; 3]	1119644	
5	40-Amp Modified-Reset Circuit Breaker	1704354	
HARDWARE			
A	Elec Parts Kit w/Rocker - 40 Amp Modified [Includes: 4; 5; 6; 11; 12; 13; 14; 2 of 8, 15 & 16; 4 of 9; 5 of 7; 6 of 10]	1118368	
B	Elec Parts Kit w/Rocker - 50 Amp Modified [Includes: 4; 5; 6; 11; 12; 13; 14; 2 of 8, 15 & 16; 4 of 9; 5 of 7; 6 of 10]	1116271	
C	Breaker Hdw for Wireless - 6 Ga. x 40 Amp [Includes: 4; 5; 2 of 8 & 9; 15 of 17]	1120855	
D	Wire Retaining Hdw [Includes: 21; 4 of 19 & 20]	1120906	
PARTS			
1	Dual-Conductor Wire - 6 Ga. - 20'	1119078	
	Dual-Conductor Wire - 6 Ga. - 30'	1118495	
	Dual-Conductor Wire - 6 Ga. - 40'	1119645	
	Dual-Conductor Wire - 6 Ga. - 50'	1110312	
	Dual-Conductor Wire - 6 Ga. - 60'	1127835	
	Dual-Conductor Wire - 6 Ga. - 75'	1108102	
	Dual-Conductor Wire - 6 Ga. - 80'	1118388	
	Dual-Conductor Wire - 6 Ga. - 100'	1108101	
	Dual-Conductor Wire - 6 Ga. - 125'	1128140	
2	Electrical Wire - 3 Strand 14 Ga. - 15'	1116482	
3	HD Dual-Conductor Plug - Vertical Pin	1115385	
4	Circuit Breaker Boot - Red	*1704411	
5	40-Amp Modified-Reset Circuit Breaker	1704354	
	50-Amp Auto-Reset Circuit Breaker	1703480	
6	Ring Terminal - 14 Ga. x 1/4" Stud - Solenoid	1704153	
7	Quick Disconnect - Female x 14 Ga. x 1/4" - Switch/Solenoid	1703659	
8	Ring Terminal - 6 Ga. x 3/8" Stud - Battery	1703244	
9	Ring Terminal - 6 Ga. x #10 Stud - Motor/Breaker	1703245	
10	Ring Terminal - 6 Ga. x 1/4" Stud - Motor/Solenoid	1702707	
11	Rocker Switch	1116020	
12	Rocker Switch Mounting Bracket	1703661	
13	Solenoid Cover	1703896	
14	Motor-Reversing Solenoid 12V - 2 Pt Mnt - Black Wire	1703845	
15	Nylon Lock Hex Nut - #10-24	1808844	
16	Hex Flange Cap Screw - #10-24 x 1"	1704905	
17	Cable Tie - 8"	1703231	
18	50-Amp Smart Circuit Breaker	1126783	
	80-Amp Smart Circuit Breaker	1126784	
19	Wire Clip - 3/4" ID	1702108	
20	Self-Tapping Screw - 1/4" x 1"	1704338	
21	Dielectric Connector Protector	*1704378	

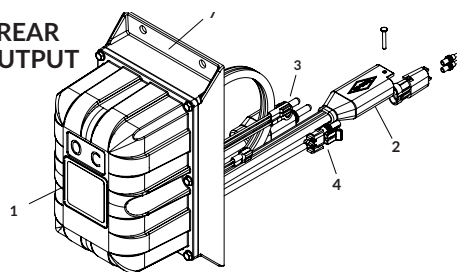
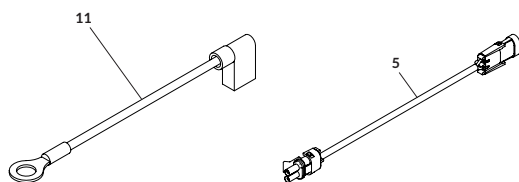
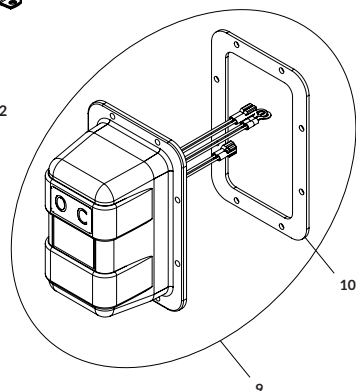
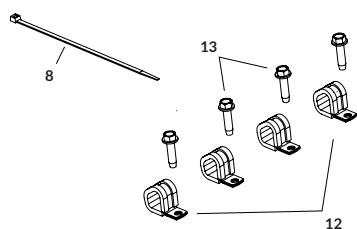
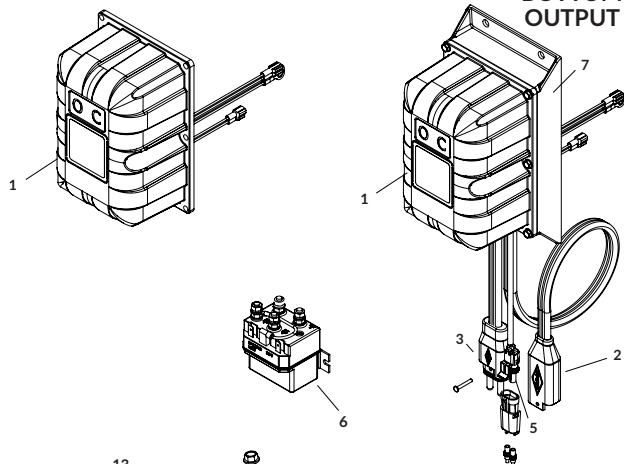
*These items are NOT shown in the drawing.

TRAILER WIRING KITS

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	SMARTwire™ Dual-Conductor Kit - 6 Ga - L Bracket	1132502	
	[Includes: A; 2; 3; 4]		
	SMARTwire™ Dual-Conductor Kit - 6 Ga - Z Bracket	1132504	
	[Includes: A; 2; 3; 5]		
A	Dual-Conductor Hdw	1109017	
	[Includes: 2 of 6, 7, 8, 9, 11 & 13]		
B	Wire Retaining Hdw	1120906	
	[Includes: 19; 4 of 17 & 18]		
SMARTwire™ MALE x FEMALE			
1	SMARTwire™ - 6 Ga. - Plug/Socket - 8'	1704874	
	SMARTwire™ - 6 Ga. - Plug/Socket - 16'	1704827	
	SMARTwire™ - 6 Ga. - Plug/Socket - 25'	1704704	
	SMARTwire™ - 6 Ga. - Plug/Socket - 30'	1125597	
SMARTwire™ SOCKET x FEMALE			
2	SMARTwire™ Dual-Conductor Socket - 6 Ga. x 3'6"	1120670	
PARTS			
3	HD Dual-Conductor Plug - Vertical Pin	1115385	
4	Conductor Plug Mtg (L) Bracket	1109015	
5	Conductor Plug Mtg (Z) Bracket	1127798	
6	Self-Tapping Screw - 3/8" x 1"	1700400	
7	Hex Nut - 3/8"	1700407	
8	Lock Washer - 3/8"	1700434	
9	Hex Head Cap Screw - 5/16" x 3/4"	1701045	
10	Top Lock Flange Nut - 5/16"	1704946	
11	Flat Washer - 1/4"	1700427	
12	Cable Tie - 8"	1703231	
13	Harness Lock Pin - Long	1704696	
14	Harness Lock Pin - Short	1704711	
15	Harness Lock Pin - 1/4" x 7/8"	1704751	
16	Dual-Conductor Housing - Female	1704978	
17	Wire Clip - 3/4" ID	1702108	
18	Self-Tapping Screw - 1/4" x 1"	1704338	
19	Dielectric Connector Protector	*1704378	

*These items are not shown in the drawings.



REAR
OUTPUTBOTTOM
OUTPUT

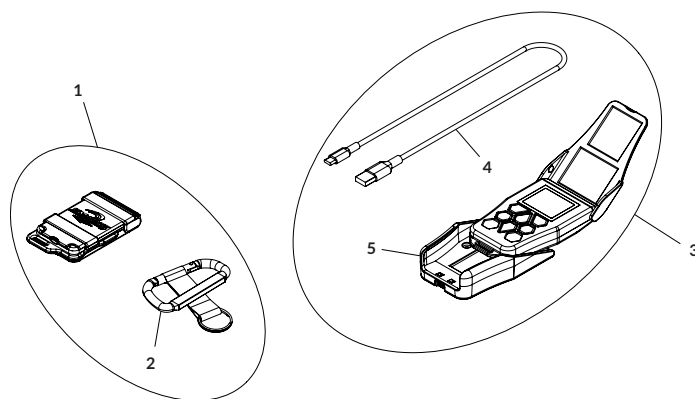
RECEIVERS

DESCRIPTION	P/N	PRICE
RECEIVER CONVERSION KITS		
ShurLink™ Receiver Conv. Cover - Tarp - Express [Includes: 9; 11]	1132226	
ShurLink™ Receiver Conv. Cover - Tarp - Non-Express [Includes: 9; 11]	1132227	
EXPRESS MODE		
+ 4500 SERIES HD		
ShurLink™ Receiver - Express - Rear Output [Includes: A; B; 1; 2; 3; 4; 6; 7; 15 of 8]	1131566	
ShurLink™ Receiver - Express - Bottom Output [Includes: A; B; 1; 2; 3; 4; 6; 7; 15 of 8]	1131572	
1 ShurLink™ Receiver Cover - Express	1131673	
+ APEX™		
ShurLink™ Receiver - Apex - Express - Bottom Output [Includes: A; B; 1; 2; 3; 4; 6; 7; 15 of 8]	1131614	
1 ShurLink™ Receiver Cover - Express	1132506	
NO EXPRESS MODE		
+ 4500 SERIES HD		
ShurLink™ Receiver - Non-Express - Bottom Output [Includes: A; B; 1; 2; 3; 4; 6; 7; 15 of 8]	1131586	
ShurLink™ Receiver - Non-Express - Rear Output [Includes: A; B; 1; 2; 3; 4; 6; 7; 15 of 8]	1131581	
1 ShurLink™ Receiver Cover - Non-Express	1131674	
HARDWARE		
A ShurLink™ Receiver Mounting Hdw	1131571	
B Shur-Link™ Receiver Hdw w/Gland	1132510	
C Wire Retaining Hdw [Includes: 14; 4 of 12 & 13]	1120906	
SMARTWIRE™ FEMALE X .25" RING		
2 SMARTwire™ - 6 Ga. - Socket x 1/4" Terminal -2'4"	1129607	
SMARTwire™ - 6 Ga. - Socket x 1/4" Terminal -6'3"	1120817	
SMARTwire™ - 6 Ga. - Socket x 1/4" Terminal - 12'	1127241	
SMARTWIRE™ MALE X .25" RING		
3 SMARTwire™ - 6 Ga. - Plug x 1/4" Terminal - 2'4"	1704705	
SMARTwire™ - 6 Ga. - Plug x 1/4" Terminal - 7'	1121308	
SMARTwire™ - 6 Ga. - Plug x 1/4" Terminal - 12'	1127089	
ENCODER WIRE ASSEMBLY		
4 Encoder Wire Assembly - 18 Ga. - 2'6"	1132142	
Encoder Wire Assembly - 18 Ga. - 6'4"	1706853	
5 Encoder Wire Ext - 18 Ga. - M x F - 8'	1128818	
Encoder Wire Ext - 18 Ga. - M x F - 16'	1129903	
Encoder Wire Ext - 18 Ga. - M x F - 24'6"	1123068	
Encoder Wire Ext - 18 Ga. - M x F - 30'	1131256	
PARTS		
6 Motor-Rev Solenoid 12V - 2 Pt Mnt - Black Wire	1703845	
7 ShurLink™ Receiver Base	1706768	
8 Cable Tie - 8"	1703231	
9 ShurLink™ Receiver Cover w/Gasket - Express	1132194	
ShurLink™ Receiver Cover w/Gasket - Non-Express	1132195	
10 Solenoid Cover Gasket - 1/8"	1704309	
11 Wire - 18 Ga. x .25" Ring - Black	1705428	
12 Wire Clip - 3/4" ID	1702108	
13 Self-Tapping Screw - 1/4" x 1"	1704338	
14 Dielectric Connector Protector	*1704378	

*These items are not shown in the drawings.

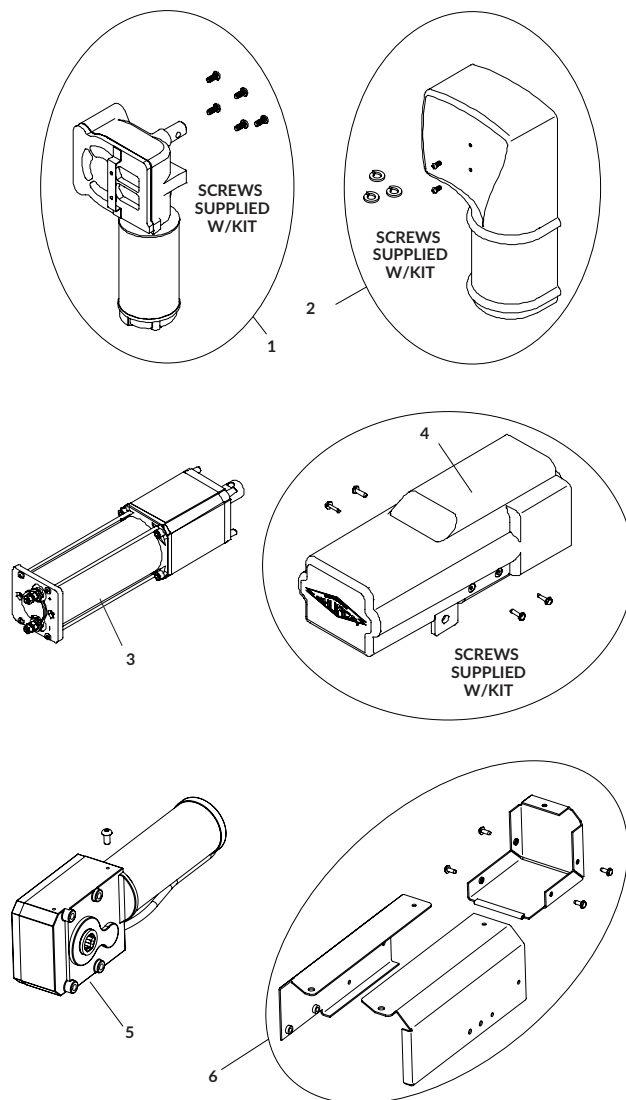
REMOTES

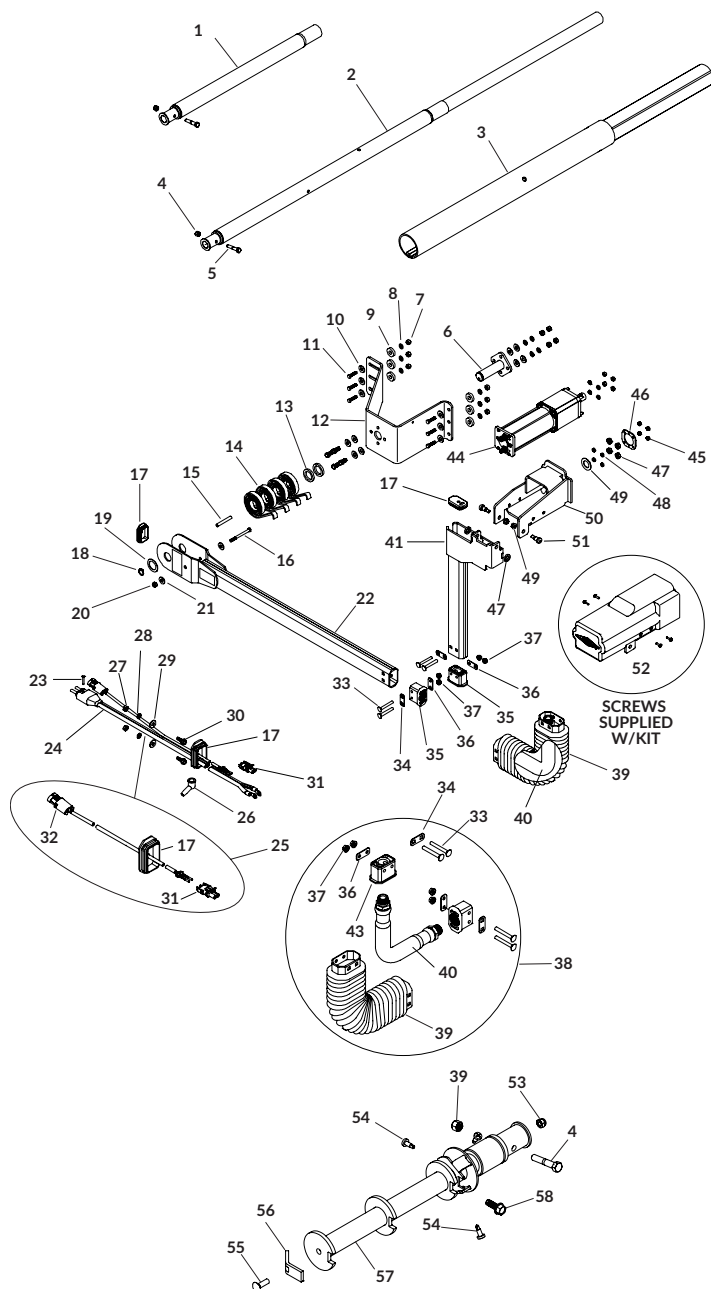
	DESCRIPTION	P/N	PRICE
1	ShurLink EZR™ Remote	1131576	
2	Carabiner Key Strap	1704569	
3	ShurLink PRO™ Remote -Cradle/Charging Cbl.	1131575	
4	ShurLink™ Charging Cable USB - A-Male to C-Male - 3'	1706836	
5	ShurLink PRO™ Remote Cradle	1131764	



MOTORS

	DESCRIPTION	WARRANTY	P/N	PRICE
	QUICK-FLIP4™			
	+ DURABUILT™			
1	Direct-Drive Motor - 900 Watt -12V	3-Year	1704878	
2	Motor Cover - Chrome - 1 Pc.		1811884	
	Motor Cover - Black - 1 Pc.		1804950	
	4500 MOTOR			
	+ 4500 SERIES HD			
3	4500 HD Motor	3-Year	1120967	
4	Motor Cover Kit - Black		1121659	
	Motor Cover Kit - Chrome		1128340	
	APEX™ MOTOR			
	+ APEX™			
5	Ironside II™/Apex™ Motor	3-Year	1127091	
6	Motor Cover Kit - Apex™		1811880	





REPLACEMENT PARTS TABLE OF CONTENTS

DESCRIPTION	P/N	PRICE
PARTS		
40 Flex Arm Joint	1706825	
41 Upper Flex Arm - Front	1121289	
42 Upper Arm Spacer	1120677	
43 Top Lock Flange Nut - 3/8"	1701283	
44 4500 HD Motor	1120967	
45 Nylon Lock Hex Nut - 1/4"	1701543	
46 Motor Mount Bearing Retainer	1128243	
47 Radial Ball Bearing - 1/4" x 3/4"	1704736	
48 Motor Mount Bearing Spacer	1120680	
49 Motor Spacer	1120679	
50 4500 HD Motor Mount - 7-1/4"	1120776	
4500 HD Motor Mount - 9-1/4"	1120662	
51 Shoulder Bolt - 3/8" x 1/2"	1704778	
52 Motor Cover Kit - Black	1121659	
Motor Cover Kit - Chrome	1128340	
53 Nylon Lock Nut - 5/16"	1704297	
54 Self-Drilling Screw - 1/4" x 1"	1705198	
55 Carriage Bolt - 5/16" x 1" - GR5	1704237	
56 Cartridge Clamp	1118194	
57 4500 HD Drive Shaft - 3"	1122264	
58 Self-Tapping Screw - 3/8" x 1"	1700400	

FRONT ARM ASSEMBLIES

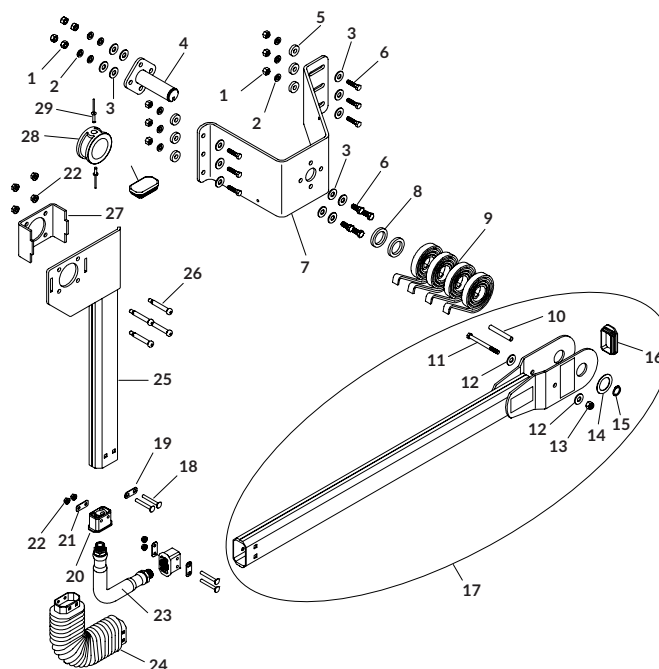
	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Front Flex Arm Kit w/Motor - 9-1/4"		
	[Includes: B; 18; 19; 41; 44; 2 of 13, 42, 43 & 51; 4 of 14; w/wiring plate]	1124094	
	Front Flex Arm Kit w/Motor - 7-1/4"		
	[Includes: B; 18; 19; 41; 44; 2 of 13, 42, 43 & 51; 4 of 14; w/wiring plate]	1124095	
	Pivot Mount Bracket Kit - 6" x 7-1/4"	1132515	
	[Includes: F; 6; 12]		
	Pivot Mount Bracket Kit - 6" x 9-1/4"	1132516	
	[Includes: F; 6; 12]		
	Electric Drive Shaft Kit - 3"	1122880	
	[Includes: H; 57]		
	Flex Arm Joint Kit - 4500 HD		
A	[Includes: 39; 40; 2 of 34, 35 & 36; 4 of 33 & 37]	1125154	
	Front Flex Arm Kit w/o Motor - w/o Wiring		
B	Plate [Includes: A; J; 15; 16; 17; 20; 22; 32; 34; 36; 41; 2 of 21 & 26]	1125610	
	Flex Arm Joint Hdw		
C	[Includes: 34; 36; 2 of 33 & 37]	1121702	
	Spring Support Hdw		
D	[Includes: 15; 16; 18; 19; 20; 2 of 13 & 21]	1116926	
	Motor Mount Hdw		
E	[Includes: 4; 5; 46; 49; 4 of 45, 47 & 48]	1120977	
	Pivot Bracket Hdw - 6" Vertical		
F	[Includes: 6 of 9; 10 of 11, 7 & 8; 14 of 10]	1121579	
	Pivot Bracket Hdw - End Dump		
G	[Includes: 4 of 11 & 58; 8 of 7 & 8; 12 of 10]	1117007	
	Drive Shaft Hdw - 3"		
H	[Includes: 4; 5; 53; 55; 56; 58; 3 of 54]	1131569	
PARTS			
J	SMARTwire™ Assy - 6 Ga. - Plug x 1/4" Terminal x 10'9"	1125612	
1	Roll Tube Extension w/Drive Shaft - 34.43"	1120697	
	Roll Tube Extension w/Drive Shaft - 45.37"	1120698	
2	Roll Tube Extension w/Drive Shaft - End Dump	1120699	
3	Roll Tube Extension - 3" x 45"	1124901	
4	Nylon Lock Nut - 3/8"	1701580	
5	Hex Head Cap Screw - 3/8" x 2"	1704264	
6	Pivot Pin - 4 Spring	1116920	
7	Hex Nut - 3/8"	1700407	
8	Lock Washer - 3/8"	1700434	
9	Spacer Washer - 1/4" x 1" OD x .406"	1120291	
10	Flat Washer - 3/8"	1700429	
11	Hex Head Cap Screw - 3/8" x 1-1/4"	1702891	
12	Pivot Mnt Bracket - 6" x 7-1/4"	1121582	
	Pivot Mnt Bracket - 6" x 9-1/4"	1121578	
13	Spacer Washer - 1/4" x 1.81 OD x 1.28"	1118318	
14	Spiral Torsion Spring	1111027	
15	Spacer Tube - .35" x 2-5/8"	1117033	
16	Hex Head Cap Screw - 5/16" x 3-1/2"	1201022	
17	Cap Plug w/Hole	1704893	
18	Flat Washer - 1-1/4" x 1-7/8"	1702890	
19	Retaining Ring - 1-1/4"	1702888	
20	Nylon Lock Hex Nut - 5/16"	1700419	
21	Flat Washer - 5/16"	1700428	
22	Lower Flex Arm w/Warning Decals - Front	1121617	
23	Harness Lock Pin - 1/4" x 7/8"	1704751	
24	SMARTwire™ - 6 Ga. - Plug x 1/4" Terminal x 10'9"	1704987	
25	Encoder Wire - 18 Ga. - 10'6"	1121998	
26	Rubber Insulating Boot	1704330	
27	Hex Nut - 1/4"	1700408	
28	Lock Washer - 1/4"	1700436	
29	Flat Washer - 1/4"	1700427	
30	Self-Tapping Screw - 1/4" x 3/4"	1700403	
31	WeatherPack™ - Cavity Plug	1704799	
32	WeatherPack™ - Tower	1704798	
33	Carriage Bolt - 5/16" x 2-1/2" - GR5	1701455	
34	Bellow Plate - Square Holes	1121414	
35	End Fitting	1704891	
36	Bellow Plate - Round Holes	1121413	
37	Flanged Nylon Lock Nut - 5/16"	1704931	
38	Flex Arm Joint Kit - 4500 HD	1125154	
39	Arm Bellow	1704775	

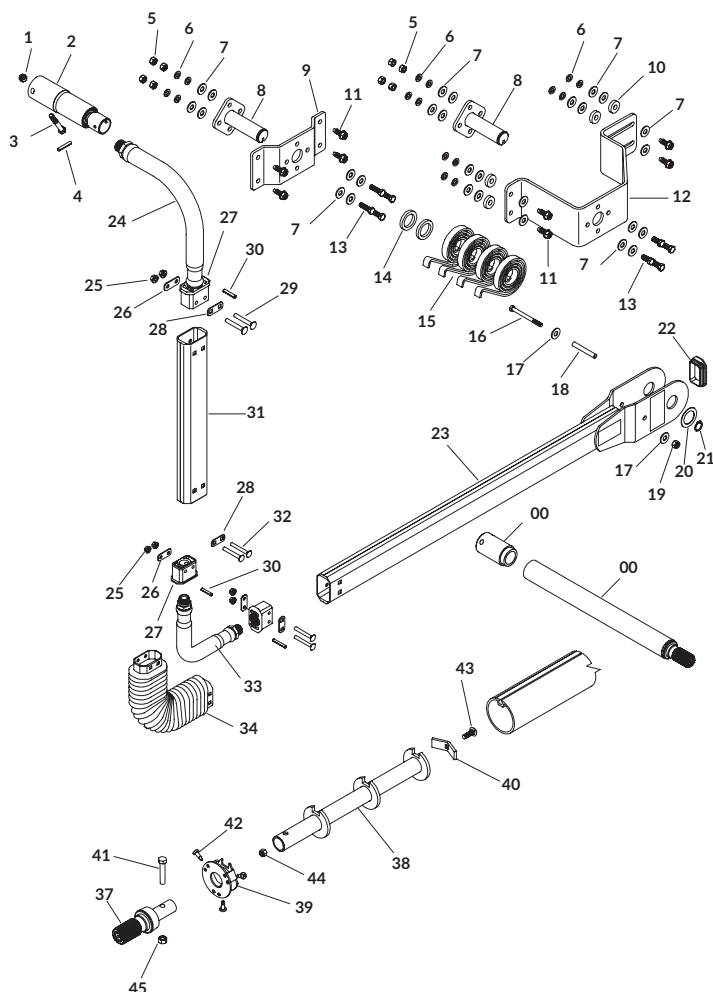
REAR ARM ASSEMBLIES

	DESCRIPTION	P/N	PRICE
KITS & HARDWARE			
	Rear Flex Arm Kit [Includes: B; C; D; 13; 17; 23; 24; 2 of A, 4 of 9]	1123929	
	Rear Flex Arm Kit - 3" [Includes: B; C; E; 13; 17; 23; 24; 2 of A, 4 of 9]	*1129457	
	Pivot Mount Bracket Kit - 6" x 7-1/4" [Includes: F; 4; 7]	1132515	
	Pivot Mount Bracket Kit - 6" x 9-1/4" [Includes: F; 4; 7]	1132516	
	Flex Arm Joint Kit - 4500 HD [Includes: 23; 24; 2 of 19, 20, 21, 4 of 18 & 22]	1125154	
A	Flex Arm Joint Hdw [Includes: 19; 21; 2 of 18 & 22]	1121702	
B	Spring Support Hdw [Includes: 10; 11; 14; 15; 19; 2 of 8 & 12]	1116926	
C	Exposed Spline/Bearing Hdw [Includes: 27; 28; 2 of 16, 20 & 29; 4 of 22 & 26]	1121723	
D	Rear Arm Collar Hdw [Includes 28; 2 of 29]	1127149	
E	Rear Arm Collar Hdw - 3" [Includes 28; 2 of 29]	*1127150	
F	Pivot Bracket Hdw - 6" Vertical [Includes: 6 of 5; 10 of 1, 2 & 6; 14 of 3]	1121579	
PARTS			
1	Hex Nut - 3/8"	1700407	
2	Lock Washer - 3/8"	1700434	
3	Flat Washer - 3/8"	1700429	
4	Pivot Pin - 4 Spring	1116920	
5	Spacer Washer - 1/4" x 1" OD x .406"	1120291	
6	Hex Head Cap Screw - 3/8" x 1-1/4"	1702891	
7	Pivot Mnt Bracket - 6" x 7-1/4"	1121582	
	Pivot Mnt Bracket - 6" x 9-1/4"	1121578	
8	Spacer Washer - 1/4" x 1.81 OD x 1.28"	1118318	
9	Spiral Torsion Spring	1111027	
10	Spacer Tube - .35" x 2-5/8"	1117033	
11	Hex Head Cap Screw - 5/16" x 3-1/2"	1201022	
12	Flat Washer - 5/16"	1700428	
13	Nylon Lock Hex Nut - 5/16"	1700419	
14	Flat Washer - 1-1/4" x 1-7/8"	1702890	
15	Retaining Ring - 1-1/4"	1702888	
16	Cap Plug	1704892	
17	Lower Flex Arm w/Warning Decals - Rear	1121294	
18	Carriage Bolt - 5/16" x 2-1/2" - GR5	1701455	
19	Bellow Plate - Square Holes	1121414	
20	End Fitting	1704891	
21	Bellow Plate - Round Holes	1121413	
22	Flanged Nylon Lock Nut - 5/16"	1704931	
23	Flex Arm Joint	1706825	
24	Arm Bellow	1704775	
25	Upper Flex Arm - Bearing	1121293	
	Upper Flex Arm - Bearing - 3"	*1124796	
26	Shoulder Bolt - 3/8" x 2" Thread x 5/16" x 1/2"	1704943	
27	Bearing Mount Box	1121430	
	Bearing Mount Box - 3"	*1123248	
28	Rear Arm Bearing Ring	1704942	
	Rear Arm Bearing Ring - 3"	*1705160	
29	Blind Rivet - 3/16"	**1706103	

*Used with 3" roll tubes.

**Used with both 2" and 3" roll tubes.



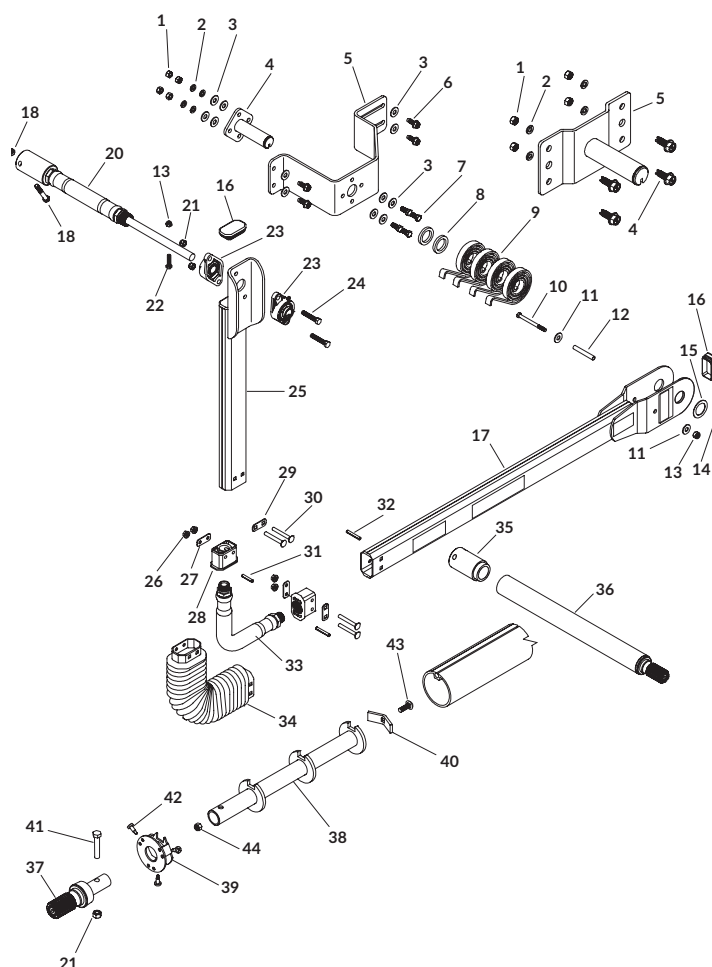


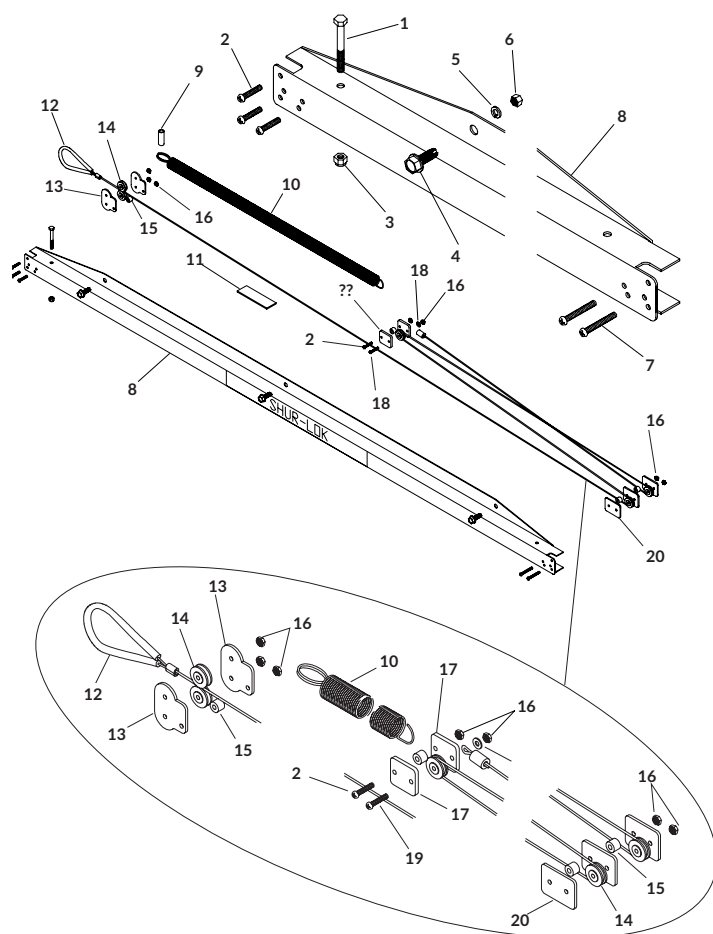
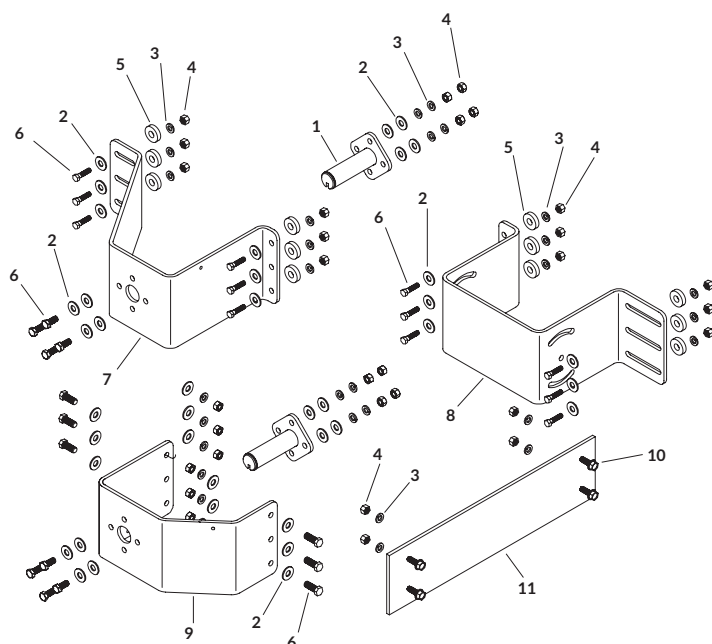
REAR SIDE HINGE ASSEMBLIES

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Rear Flex Arm Kit - Side Hinge - No Manual Override [Includes: B; C; 2; 22; 23; 24; 31; 33; 34; 2 of A, 27 & 30; 4 of 15]	1130902	\$772.00
Pivot Mount Bracket Kit - 4" x 7-1/4" [Includes: D; 8; 12]	1132517	\$102.40
Pivot Mount Bracket Kit - 4" x 9-1/4" [Includes: D; 8; 12]	1132518	\$108.60
Flex Arm Joint Kit w/Alum. Fittings - 4500 HD [Includes: 33; 34; 2 of 26, 27, 28, 30; 4 of 25 & 32]	1128831	\$140.25
Manual Override Extension Kit [Includes: 35; 36]	1117022	\$111.95
Manual Crank Kit - 3" [Includes: F; 29; 37; 38]	1122879	\$217.35
A Flex Arm Joint Hdw [Includes: 26; 28; 2 of 25 & 32]	1121702	\$3.45
B Spring Support Hdw [Includes: 16; 18; 19; 20; 21; 2 of 14 & 17]	1116926	\$12.30
C Rear Flex Arm Hdw - Side Hinge [Includes: 1; 3; 4; 26 & 28; 2 of 25 & 29]	1121737	\$6.65
D Pivot Bracket Hdw - 4" Vertical [Includes: 4 of 10; 8 of 5, 6 & 13; 12 of 7]	1116946	\$14.50
E Pivot Bracket Hdw - Side Hinge [Includes: 4 of 11; 8 of 5, 6 & 13]	1117911	\$17.50
F Drive Shaft Hdw - 3" [Includes: 11; 40; 41; 43; 44; 45; 3 of 42]	1131569	\$11.40
PARTS		
1 Centerlock Hex Nut - 3/8"	1700418	\$0.35
2 Roll Tube Bearing Pack	1117777	\$241.05
3 Hex Head Cap Screw - 3/8" x 2-1/2"	1702573	\$1.30
4 Spring Pin - 1/4" x 1-1/2"	1700445	\$1.00
5 Hex Nut - 3/8"	1700407	\$0.15
6 Lock Washer - 3/8"	1700434	\$0.15
7 Flat Washer - 3/8"	1700429	\$0.10
8 Pivot Pin - 4 Spring	1116920	\$44.55
9 Pivot Mnt Bracket - 4" x 1-1/4"	1117767	\$23.70
10 Spacer Washer - 1/4" x 1" OD x .406"	1120291	\$2.20
11 Self-Tapping Screw - 3/8" x 1"	1700400	\$0.86
12 Pivot Mnt Bracket - 4" x 7-1/4"	1116919	\$51.00
Pivot Mount Bracket - 4" x 9-1/4" Standoff	1117031	\$57.35
13 Hex Head Cap Screw - 3/8" x 1-1/4"	1702891	\$0.60
Hex Head Cap Screw - 3/8" x 3"	1700371	\$2.00
14 Spacer Washer - 1/4" x 1.81 OD x 1.28"	1118318	\$1.75
15 Spiral Torsion Spring	1111027	\$16.45
16 Hex Head Cap Screw - 5/16" x 3-1/2"	1201022	\$1.35
17 Flat Washer - 5/16"	1700428	\$0.10
18 Spacer Tube - .35" x 2-5/8"	1117033	\$7.60
19 Nylon Lock Hex Nut - 5/16"	1700419	\$0.15
20 Flat Washer - 1-1/4" x 1-7/8"	1702890	\$0.85
21 Retaining Ring - 1-1/4"	1702888	\$2.25
22 Cap Plug	1704892	\$8.25
23 Lower Flex Arm w/Warning Decals - Rear	1121294	\$98.25
24 Upper Flex Arm Joint - Side Hinge	1121680	\$156.55
25 Flanged Nylon Lock Nut - 5/16"	1704931	\$0.55
26 Bellow Plate - Round Holes	1121413	\$0.80
27 End Fitting	1704891	\$12.90
End Fitting - Aluminum	1706260	\$21.45
28 Bellow Plate - Square Holes	1121414	\$0.80
29 Carriage Bolt - 5/16" x 2-1/4" - GR5	1704971	\$1.05
30 Spring Pin - 1/4" x 1-3/8"	1704966	\$1.00
31 Upper Flex Arm - Side Hinge	1121738	\$25.75
32 Carriage Bolt - 5/16" x 2-1/2" - GR5	1701455	\$0.60
33 Flex Arm Joint	1706825	\$95.60
34 Arm Bellow	1704775	\$20.85
35 Manual Override Spline Connector	1117020	\$91.10
36 Manual Override Spline Assy	1117023	\$32.50
37 Manual Crank Spline - 3"	1121111	\$147.70
38 Rear Cartridge	1121039	\$62.85
39 Roll Tube End Cap - Rear	1121040	\$33.05
40 Cartridge Clamp	1118194	\$2.35
41 Hex Head Cap Screw - 3/8" x 2"	1704264	\$1.00
42 Self-Drilling Screw - 1/4" x 1"	1705198	\$0.85
43 Carriage Bolt - 5/16" x 1" - GR5	1704237	\$0.35
44 Nylon Lock Nut - 5/16"	1704297	\$0.15
45 Nylon Lock Nut - 3/8"	1701580	\$0.60

REAR TOP HINGE ASSEMBLIES

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Rear Flex Arm Kit - Top Hinge		
No Manual Override [Includes: B; C; 17; 20; 25; 28; 31; 33; 34; 2 of A; 4 of 9]	1126477	
Pivot Mount Bracket Kit - 4" x 7-1/4"	1132517	
[Includes: D; 4; 5]		
Pivot Mount Bracket Kit - 4" x 9-1/4"	1132518	
[Includes: D; 4; 5]		
Flex Arm Joint Kit w/Alum. Fittings - 4500 HD	1128831	
[Includes: 34; 35; 2 of 27, 28, 29 & 31]		
Manual Override Extension Kit	1117022	
[Includes: 35; 36]		
Manual Crank Kit - 3"	1122879	
[Includes: F; 37; 38; 39]		
A Flex Arm Joint Hdw	1121702	
[Includes: 27; 29; 2 of 26 & 30]		
B Spring Support Hdw	1116926	
[Includes: 10; 12; 13; 14; 15; 2 of 8 & 11]		
C Extension Hdw - Gate Flex™	1121736	
[Includes: 13; 18; 19; 22; 28; 32; 2 of 16, 21, 23 & 24]		
D Pivot Bracket Hdw - 4" Vertical	1116946	
[Includes: 8 of 1, 2 & 7; 12 of 3]		
E Pivot Bracket Hdw - End Dump	1117007	
[Includes: 4 of 6 & 7; 8 of 1 & 2; 12 of 3]		
F Drive Shaft Hdw - 3"	1131569	
[Includes: 6; 21; 24; 40; 43; 44]		
PARTS		
1 Hex Nut - 3/8"	1700407	
2 Lock Washer - 3/8"	1700434	
3 Flat Washer - 3/8"	1700429	
4 Pivot Pin - 4 Spring	1116920	
5 Pivot Mnt Bracket - 4" x 7-1/4"	1116919	
Pivot Mount Bracket - 4" x 9-1/4" Standoff	1117031	
Pivot Bracket - Sloped - Gate Flex™	1116994	
6 Self-Tapping Screw - 3/8" x 1"	1700400	
7 Hex Head Cap Screw - 3/8" x 1-1/4"	1702891	
8 Spacer Washer - 1/4" x 1.81 OD x 1.28"	1118318	
9 Spiral Torsion Spring	1111027	
10 Hex Head Cap Screw - 5/16" x 3-1/2"	1201022	
11 Flat Washer - 5/16"	1700428	
12 Spacer Tube - .35" x 2-5/8"	1117033	
13 Nylon Lock Hex Nut - 5/16"	1700419	
14 Retaining Ring - 1-1/4"	1702888	
15 Flat Washer - 1-1/4" x 1-7/8"	1702890	
16 Cap Plug	1704892	
17 Lower Flex Arm w/Warning Decals - Rear	1121294	
18 Centerlock Hex Nut - 3/8"	1700418	
19 Hex Head Cap Screw - 3/8" x 2-1/2"	1702573	
20 Gate Flex™	1116990	
Gate Flex™ - Long	1118534	
21 Nylon Lock Nut - 3/8"	1701580	
22 Hex Head Cap Screw - 5/16" x 1 1/2"	1703487	
23 Flange Bearing - 20mm - 2 Bolt	1704703	
24 Hex Head Cap Screw - 3/8" x 2"	1704264	
25 Upper Flex Arm - Gate Flex™	1121649	
26 Flanged Nylon Lock Nut - 5/16"	1704931	
27 Bellow Plate - Round Holes	1121413	
28 End Fitting	1704891	
End Fitting - Aluminum	1706260	
29 Bellow Plate - Square Holes	1121414	
30 Carriage Bolt - 5/16" x 2-1/2" - GR5	1701455	
31 Spring Pin - 1/4" x 1-3/8"	1704966	
32 Spring Pin - 1/4" x 1-3/4"	1701360	
33 Flex Arm Joint	1706825	
34 Arm Bellow	1704775	
35 Manual Override Spline Connector	1117020	
36 Manual Override Spline Assy	1117023	
37 Manual Crank Spline - 3"	1121111	
38 Rear Cartridge	1121039	
39 Roll Tube End Cap - Rear	1121040	
40 Cartridge Clamp	1118194	
41 Hex Head Cap Screw - 3/8" x 2"	1704264	
42 Self-Drilling Screw - 1/4" x 1"	1705198	
43 Carriage Bolt - 5/16" x 1" - GR5	1704237	
44 Nylon Lock Nut - 5/16"	1704297	





PIVOT MOUNT BRACKETS

	DESCRIPTION	P/N	PRICE
	KITS & HARDWARE		
	Pivot Mount Bracket Kit - 6" x 7-1/4" [Includes: A; 1; 7]	1132515	
	Pivot Mount Bracket Kit - 6" x 9-1/4" [Includes: A; 1; 7]	1132516	
	Pivot Mount Bracket Kit - 6" x 6" Standoff [Includes: B; 1; 8; 9]	1132519	
	Pivot Mount Bracket Kit - 6" x 8" Standoff [Includes: B; 1; 8; 9]	1132520	
A	Pivot Bracket Hdw - 6" Vertical [Includes: 6 of 5; 10 of 6, 3 & 4; 14 of 2]	1121579	
B	Pivot Bracket Hdw - 6" Sloped [Includes: 6 of 5; 16 of 6, 3 & 4; 26 of 2]	1121580	
	PARTS		
1	Pivot Pin - 4 Spring	1116920	
2	Flat Washer - 3/8"	1700429	
3	Lock Washer - 3/8"	1700434	
4	Hex Nut - 3/8"	1700407	
5	Spacer Washer - 1/4" x 1" OD x .406"	1120291	
6	Hex Head Cap Screw - 3/8" x 1-1/4"	1702891	
7	Pivot Mnt Bracket - 6" x 7-1/4"	1121582	
	Pivot Mnt Bracket - 6" x 9-1/4"	1121578	
	Pivot Mnt Bracket - 6" x 10-1/4"	1124678	
	Pivot Mnt Bracket - 6" x 12-1/4"	1121517	
8	Pivot Mnt Bracket - 6" x 6" - Sloped	1121993	
	Pivot Mnt Bracket - 6" x 8" - Sloped	1121994	
	Pivot Mnt Bracket - 6" x 10" - Sloped	*1121995	
9	Pivot Bracket - Sloped 6"	1121992	
10	Self-Tapping Screw - 3/8" x 1"	1700400	
11	Pivot Backer Plate - 7" x 16"	1121583	
	Pivot Backer Plate - 7" x 20"	1121584	
	Pivot Backer Plate - 7" x 24"	1122040	

*Used on trailers with long, flat sloped front or rear.

RETURNS - HEAVY-DUTY REAR CABLE

	DESCRIPTION	P/N	PRICE
	KITS & HARDWARE		
	HD Rear Cable Return Kit [Includes: A; 1; 8; 9; 10; 11; 12; 18; 19; 2 of 7, 13 & 17; 3 of 20; 4 of 2 & 15; 5 of 14; 7 of 16]	1113025	
	HD Rear Cable Return Kit - 3" [Includes: A; 1; 8; 9; 10; 11; 12; 18; 19; 2 of 7, 13 & 17; 3 of 20; 4 of 2 & 15; 5 of 14; 7 of 16]	*1124868	
A	Cable Return Mounting Hdw [Includes: 3 of 4, 5 & 6]	1111469	
	PARTS		
1	Hex Head Cap Screw - 1/4" x 2-1/4"	1702672	
2	Machine Screw - 1"	1702654	
3	Nylon Lock Hex Nut - 1/4"	1701543	
4	Self-Tapping Screw - 3/8" x 1"	1700400	
5	Lock Washer - 3/8"	1700434	
6	Hex Nut - 3/8"	1700407	
7	Machine Screw - 1-1/2"	1702656	
8	Universal Cable Return Housing	1114728	
9	Spacer Washer - 1-9/16"	1131010	
10	Heavy-Duty Extension Spring	1702896	
11	Velcro® Hook - 1" x 4"	1115206	
12	Cable w/Return Strap	1114582	
	Cable w/Return Strap - 3"	*1124870	
13	Front Retainer Plate	1114691	
14	Pulley - 1/16" Cable Groove	1703006	
15	Plastic Spacer - 3/8"	1111056	
16	Machine Screw Nut	1702653	
17	Rope Block Retainer Plate	1112997	
18	Flat Washer - #10	1111054	
19	Machine Screw - 1-1/4"	1702655	
20	Rear Retainer Plate	1110913	

*Used with 3" roll tubes.

RETURNS - HEAVY-DUTY REAR SHUR-RETURN™

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
HD Shur-Return™ Kit [Includes: A & Tube Assy]	*1125119	
HD 2-Piece Shur-Return™ Kit [Includes: A; 7; 8; 9; 4 of 11 & Tube Assy]	*1125121	
HD Shur-Return™ Kit - 3" [Includes: B & Tube Assembly]	* **1125123	
HD 2-Piece Shur-Return™ Kit - 3" [Includes: B; 7; 8; 9; 4 of 11 & Tube Assy]	* **1125125	

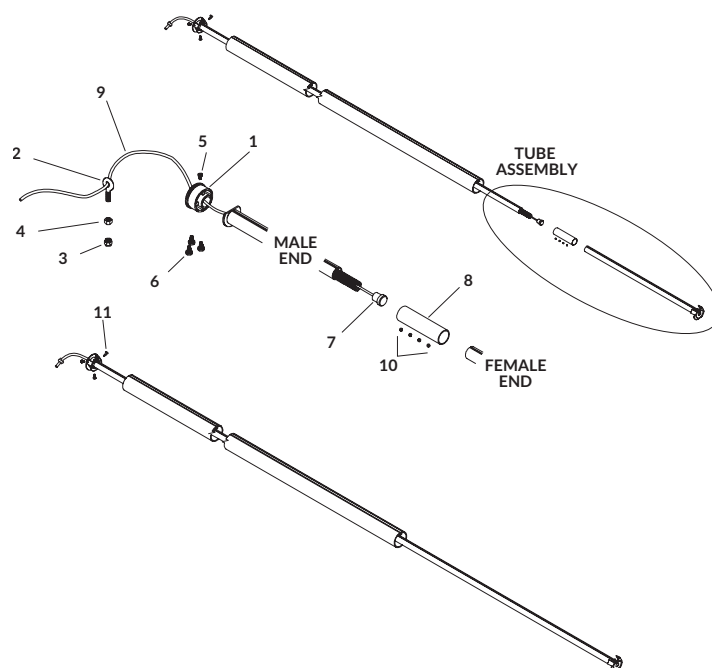
A	Shur-Return™ Hdw [Includes: 1; 2; 3; 4; 5; 5 of 6]	1107128
B	Shur-Return™ Hdw - 3" [Includes: 1; 2; 3; 4; 5; 3 of 11; 5 of 6]	**1124881

PARTS

1	Nylon End Plug	1100138
2	Eyebolt Anchor - 5/16"	1700717
3	Nylon Lock Hex Nut - 5/16"	1700419
4	Hex Nut - 5/16"	1700411
5	Self-Drilling Screw - #10-16 x 1/2"	1704743
6	Self-Tapping Screw - 1/4" x 1/2"	1700736
7	Spring Retainer Plug	1100827
8	Connector Sleeve	1107879
9	Shur-Return™ Rope - 12'	1100826
10	Hex Socket Set Screw - #10-32 x 3/16"	1701423
11	Self-Drilling Screw - 1/4" x 1"	**1705198

*Additional over length shipping charges apply.

**Used with 3" roll tubes.

**RETURNS - SHUR-STRAP™**

DESCRIPTION	P/N	PRICE
KITS & HARDWARE		
Shur-Strap™ Return Kit [Includes: A; 1]	**1127295	
Shur-Strap™ Return Kit - 3" [Includes: B; 1]	* **1127491	

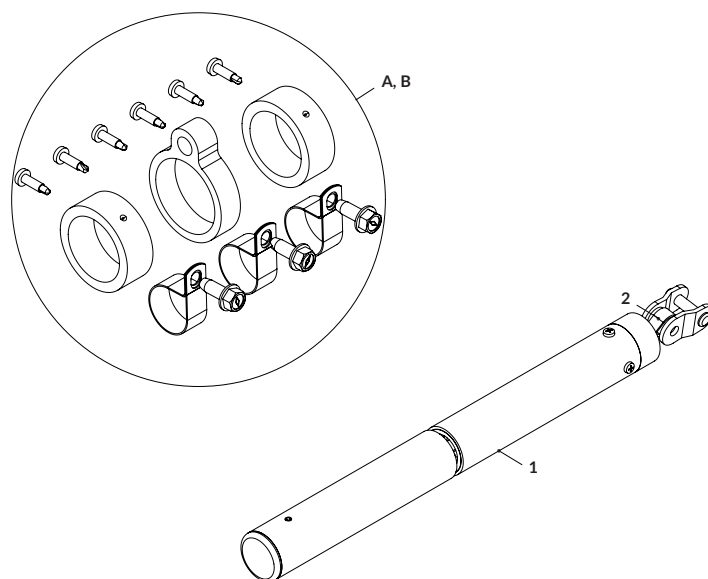
A	Shur-Strap™ Return Hdw	1127296
B	Shur-Strap™ Return Hdw - 3"	*1127297

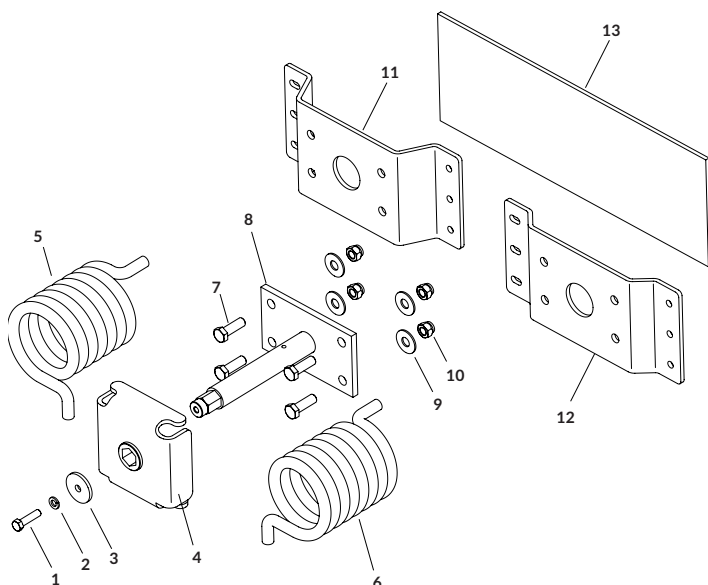
PARTS

1	Shur-Strap™ Return Assy - 12'-7"	**1127286
2	Replacement Webbing w/Connector Link	1128566

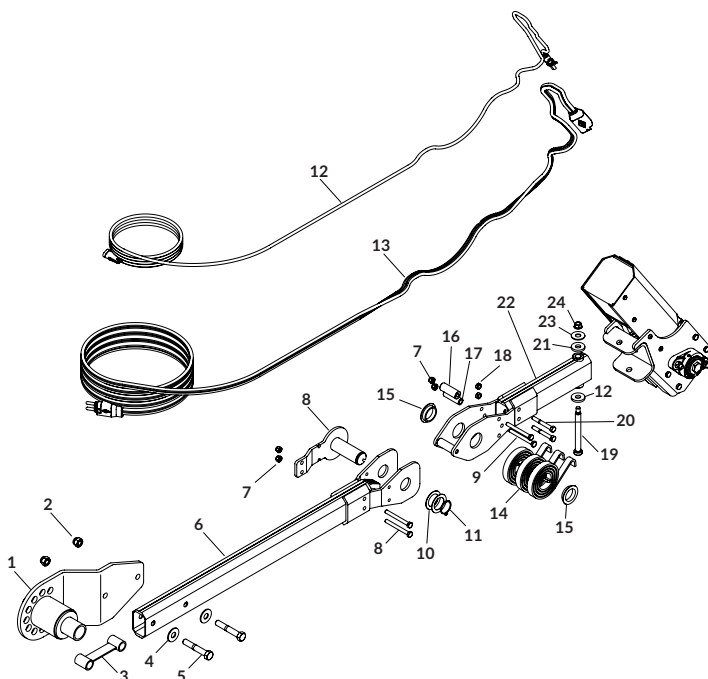
*Additional over length shipping charges apply.

**Used with 3" roll tubes.



**PIVOT ASSEMBLY**

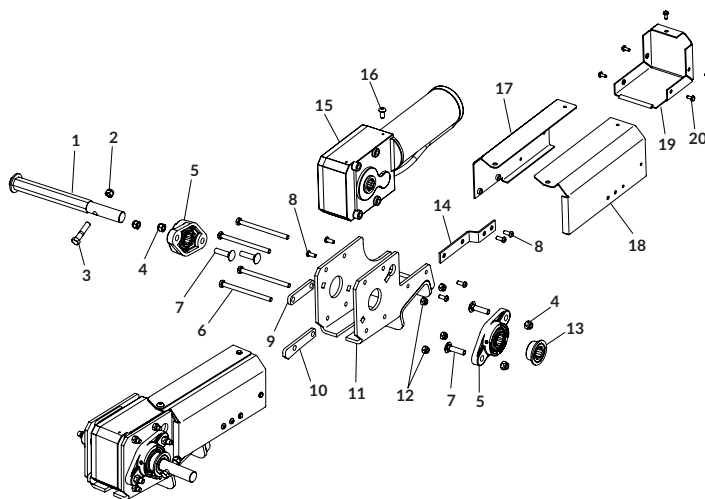
DESCRIPTION	P/N	PRICE
PARTS		
1 Cap Screw - 3/8" x 1-1/2"	1705910	
2 Lock Washer - 3/8"	1705909	
3 Spring Catch Retaining Washer - Black	1126983	
4 Spring Catch	1126799	
5 Torsion Spring - Red - R	1705829	
6 Torsion Spring - Black - L	1705828	
7 Cap Screw - 1/2" x 1-1/2"	1705920	
8 Spring Pivot Shaft	1126819	
9 Flat Washer - 1/2"	1705911	
10 Nylon Lock Nut - 1/2"	1705913	
11 Pivot Mnt Bracket - 6" x 2-1/4"	1810205	
12 Pivot Mnt Bracket - 6" x 1-1/4"	1810204	
13 Pivot Backer Plate - 7" x 20"	1121584	

**FRONT ARM ASSEMBLIES**

DESCRIPTION	P/N	PRICE
KITS		
Front Arm Kit w/Motor [Includes: 1; 3; 6; 8; 11; 12; 13; 16; 17; 19; 22; 23; 24; 25; 2 of 2, 4, 5, 10, 15, 18, 20 & 21; 3 of 14; 4 of 7 & 9]	1810160	
Front Arm Kit w/Motor - Reverse Roll [Includes: 1; 3; 6; 8; 11; 12; 13; 16; 17; 19; 22; 23; 24; 25; 2 of 2, 4, 5, 10, 15, 18, 20 & 21; 3 of 14; 4 of 7 & 9]	1810211	
PARTS		
1 Spring Pivot	1126794	
2 Nylon Lock Hex Nut - 1/2"	1702115	
3 Dog Bone Spacer	1810181	
4 Flat Washer - 1/2"	1702114	
5 Hex Head Cap Screw - 1/2" x 3"	1702701	
6 Lower Arm - Front	1810158	
7 Nylon Lock Hex Nut - 5/16"	1700419	
8 Pivot Pin - R	1810179	
9 Hex Head Cap Screw - 5/16" x 3"	1702629	
10 Flat Washer - 1-1/4" x 1-7/8"	1702890	
11 Retaining Ring - 1-1/4"	1702888	
12 Encoder Wire - 13'-6"	1705807	
13 SMARTwire™ - 6 Ga. - Plug/Socket - 16'	1704827	
14 Spiral Torsion Spring	1111027	
15 Flange Bushing - 1.281" ID x 1.522" OD	1704468	
16 Elbow Stop Tube	1810201	
17 Spacer Tube - .35" ID x 2"	1810144	
18 Nylon Lock Nut - 5/16"	1704454	
19 Shoulder Bolt - 1/2" x 4-1/4" Thread - 3/8" x 5/8"	1706616	
20 Cap Screw - 5/16" x 2-1/2" - Grade 5	1706615	
21 Plastic Washer - .1875" x 1.25" Round	1810184	
22 Upper Arm - Front	1810162	
23 Flat Washer - 7/16"	1700430	
24 Top Lock Flange Nut - 3/8"	1701283	

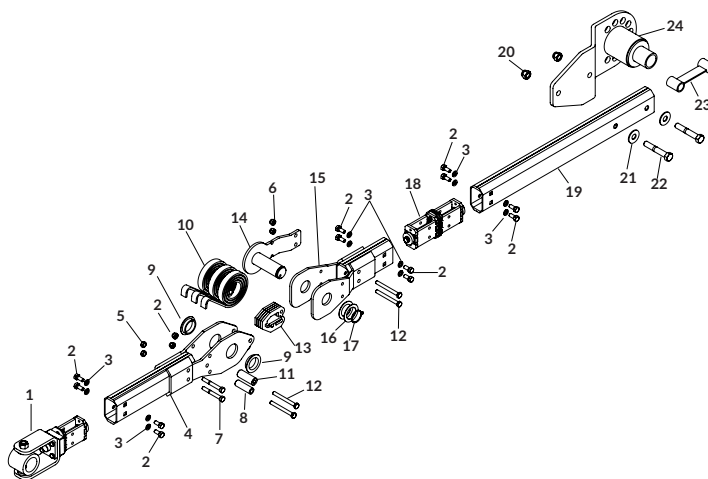
MOTOR MOUNT ASSEMBLY

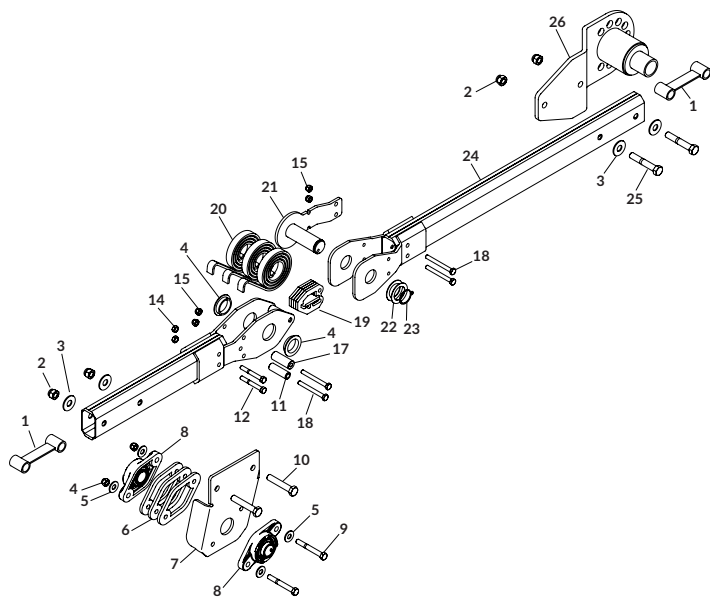
DESCRIPTION	P/N	PRICE
KITS		
Motor Cover Kit - Apex™ [Includes: 17; 18; 19; 4 of 20]	1811880	
PARTS		
1 Drive Shaft	1127572	
2 Cap Screw - 3/8" x 1-3/4"	1705680	
3 Nylon Lock Nut - 3/8"	1701580	
4 Nylon Lock Nut - 3/8"	1705918	
5 Flange Bearing - 7/8" Hex	1704456	
6 Nylon Lock Nut - 5/16"	1705919	
7 Carriage Bolt - 3/8" x 1-1/2" - GR2	1705917	
8 Button Head Cap Screw - 1/4" x 5/8"	1703327	
9 Motor Shim Plate - Outer	1810175	
10 Motor Shim Plate - Inner	1810174	
11 Motor Mount	1810164	
12 Nylon Lock Nut - 5/16"	1705919	
13 Locking Collar w/Ring - 7/8"	1810207	
14 Motor Cover Support Bracket	1810173	
15 Ironside II™/Apex™ Motor	1127091	
16 Button Head Cap Screw - 5/16" x 5/8"	1706617	
17 Motor Cover - Front Panel	1810168	
18 Motor Cover - Back Panel	1810169	
19 Motor Cover - End Cap	1810172	
20 Flange Cap Screw - #10-24 x 1/2"	1704308	



REAR ARM ASSEMBLIES

DESCRIPTION	P/N	PRICE
KITS		
Rear Arm Assy [Includes 1; 4; 8; 11; 13; 14; 15; 17; 18; 19; 23; 24; 2 of 5, 7, 9, 16, 20, 21 & 22; 3 of 10; 4 of 6 & 12; 12 of 2 & 3]	1810161	
Rear Arm Assy - Reverse Roll [Includes 1; 4; 8; 11; 13; 14; 15; 17; 18; 19; 23; 24; 2 of 5, 7, 9, 16, 20, 21 & 22; 3 of 10; 4 of 6 & 12; 12 of 2 & 3]	1810212	
PARTS		
1 Upper Arm Swivel Connector	1810200	
2 Hex Head Cap Screw - 5/16" x 3/4"	1701045	
3 Lock Washer - 5/16"	1700433	
4 Rear Upper Arm	1810195	
5 Nylon Lock Nut - 5/16"	1704454	
6 Nylon Lock Hex Nut - 5/16"	1700419	
7 Cap Screw - 5/16" x 2-1/2" - Grade 5	1706615	
8 Spacer Tube - .35" ID x 2"	1810144	
9 Flange Bushing - 1.281" ID x 1.522" OD	1704468	
10 Spiral Torsion Spring	1111027	
11 Elbow Stop Tube	1810201	
12 Hex Head Cap Screw - 5/16" x 3"	1702629	
13 Elbow Stop	1810178	
14 Pivot Pin - L	1810193	
15 Rear Lower Arm - Elbow	1810186	
16 Flat Washer - 1-1/4" x 1-7/8"	1702890	
17 Retaining Ring - 1-1/4"	1702888	
18 Lower Arm Rotator	1810190	
19 Lower Arm Tube - Rear - Pivot	1810185	
20 Nylon Lock Hex Nut - 1/2"	1702115	
21 Flat Washer - 1/2"	1702114	
22 Hex Head Cap Screw - 1/2" x 3"	1702701	
23 Dog Bone Spacer	1810181	
24 Spring Pivot	1126794	



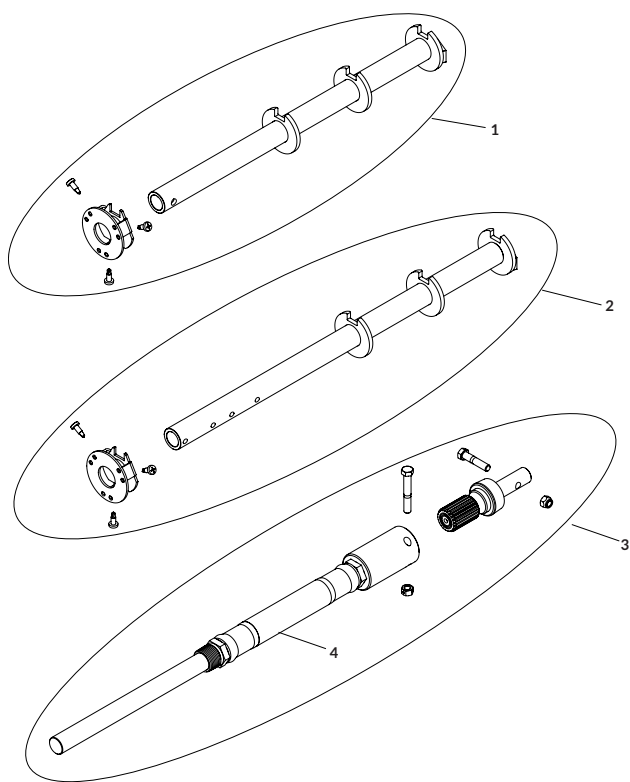


REAR LIFT HINGE ASSEMBLIES

DESCRIPTION	P/N	PRICE
KITS		
Rear Arm Assy Lift Gate [Includes 7; 11; 13; 17; 19; 21; 23; 24; 26; 2 of 1, 4, 8, 9, 10, 12, 14, 16, 22 & 25; 3 of 6 & 20; 4 of 2, 3, 5 & 18]	1810215	
Rear Arm Assy Lift Gate - Reverse Roll [Includes 7; 11; 13; 17; 19; 21; 23; 24; 26; 2 of 1, 4, 8, 9, 10, 12, 14, 16, 22 & 25; 3 of 6 & 20; 4 of 2, 3, 5 & 18]	1810216	
PARTS		
1 Dog Bone Spacer	1810181	
2 Nylon Lock Hex Nut - 1/2"	1702115	
3 Flat Washer - 1/2"	1702114	
4 Nylon Lock Nut - 3/8"	1701580	
5 Flat Washer - 3/8"	1700429	
6 Upper Arm Bearing Spacer Plate	1810338	
7 Upper Arm Bearing Bracket	1810214	
8 Flange Bearing - 1" OD - 2 Bolt	1119560	
9 Hex Head Cap Screw - 3/8" x 3"	1700371	
10 Hex Head Cap Screw - 1/2" x 2-3/4"	1704809	
11 Spacer Tube - .35" ID x 2"	1810144	
12 Cap Screw - 5/16" x 2-1/2" - Grade 5	1706615	
13 Upper Arm - Rear - Lift Hinge	1810213	
14 Nylon Lock Nut - 5/16"	1704454	
15 Nylon Lock Hex Nut - 5/16"	1700419	
16 Flange Bushing - 1.281" ID x 1.522" OD	1704468	
17 Elbow Stop Tube	1810201	
18 Hex Head Cap Screw - 5/16" x 3"	1702629	
19 Elbow Stop	1810178	
20 Spiral Torsion Spring	1111027	
21 Pivot Pin - L	1810193	
22 Flat Washer - 1-1/4" x 1-7/8"	1702890	
23 Retaining Ring - 1-1/4"	1702888	
24 Lower Arm - Front	1810158	
25 Hex Head Cap Screw - 1/2" x 3"	1702701	
26 Spring Pivot	1126794	

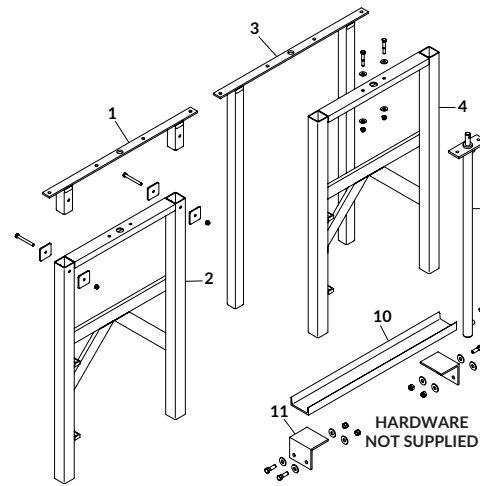
ROLL TUBE ADAPTERS

DESCRIPTION	P/N	PRICE
KITS		
1 Cartridge Kit - 3" Alum - 20" Drive	1131389	
2 Cartridge Kit - 3" Alum - 24.25" Drive	1131390	
3 Flex Adapter Shaft Kit - Lift Gate	1131391	
PARTS		
4 Flex Adapter Shaft - Lift Gate	1810339	



BASE ASSEMBLIES

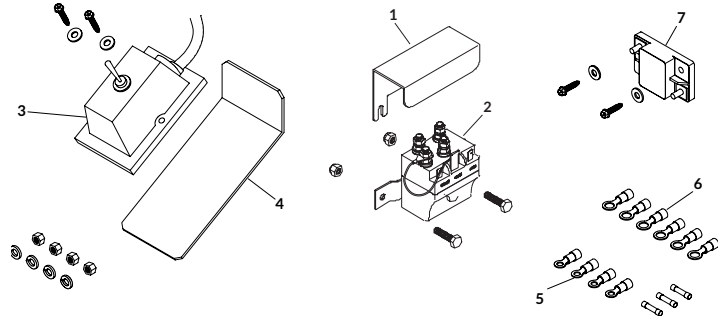
DESCRIPTION	P/N	PRICE
Base Assy - Quick-Flip™ III [Includes: 3; 4; 6; 7; 8]	1801622	
Gantry Base Assy - Fixed [Includes: 1; 2]	1808652	
1 Inner Stage Weldment - Fixed	1808655	
2 Outer Stage Weldment - Fixed	1808653	
3 Tower Inner Stage	1801621	
4 Tower Outer Stage - Quick-Flip™ III	1801619	
5 Hydraulic Fitting - 4MJIC x 3/8" x 90°	1800306	
6 Cylinder - 1-1/2" x 42" x 1"	1800082	
7 Hydraulic Fitting - 4MJ x 4MP x STR	1801017	
8 Hydraulic Pressure Control Compensator - 1-3/4"	1801018	
9 Hydraulic Fitting - 3/8MP x 90°	1801016	
10 Mounting Channel	1800726	
11 Mounting Angle	1801966	



ELECTRICS

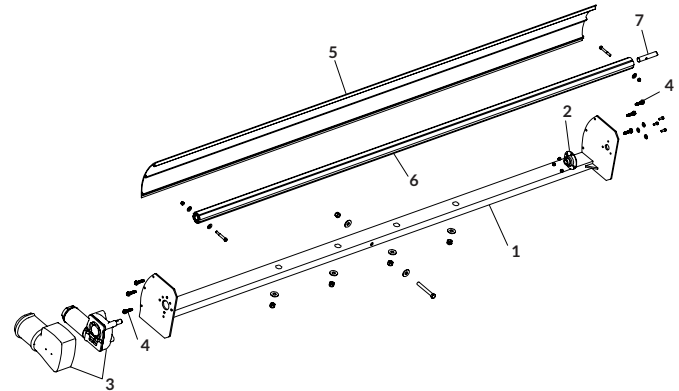
DESCRIPTION	P/N	PRICE
Durabuilt™ Switch - 60 Amp - 12V "External Mount" [Includes: 1; 2; 3; 4; 7; 4 of 5; 6 of 6 & 8]	1809051	
1 Solenoid Cover	1703896	
2 Motor-Reversing Solenoid 12V - 2 Pt Mnt - Black Wire	1703845	
3 Toggle Switch - On/Off Marine (RT)	1801726	
4 Mounting Switch Plate	1801265	
5 Ring Terminal - 8 Ga. x 1/4" Stud	1800430	
6 Ring Terminal - 8 Ga. x 3/8" Stud - Battery	1801486	
7 Circuit Breaker - 60 Amp	1800417	
8 Ring Terminal - 4 Ga. x 3/8" Stud - Battery	*1800158	

*These items are NOT shown in the drawing.



HOUSINGS

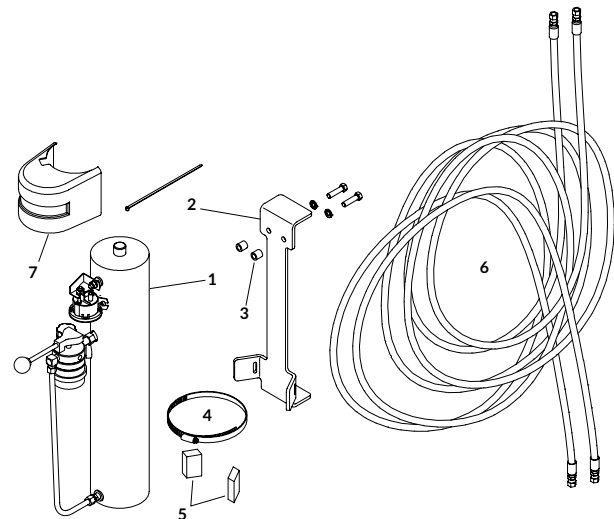
DESCRIPTION	P/N	PRICE
Housing Assy [Includes: 1; 2; 3; 5; 6; 7; 6 of 4]	1808662	
Aluminum Roller Bar w/Shaft [Includes: 6; 7]	1800737	
1 Housing	1800491	
2 Reversed Bearing Flange	1801950	
3 Direct-Drive Motor - 900 Watt - 12V	1704878	
4 Self-Threading Bolt - 5/16" x 1-1/4"	1800460	
5 Housing Deflector - 105-3/4"	1800477	
6 Tarp Spool Axle - 3-Way Attachment -98"	1809330	
7 Shaft Extension - 3/4" x 4"	1800980	

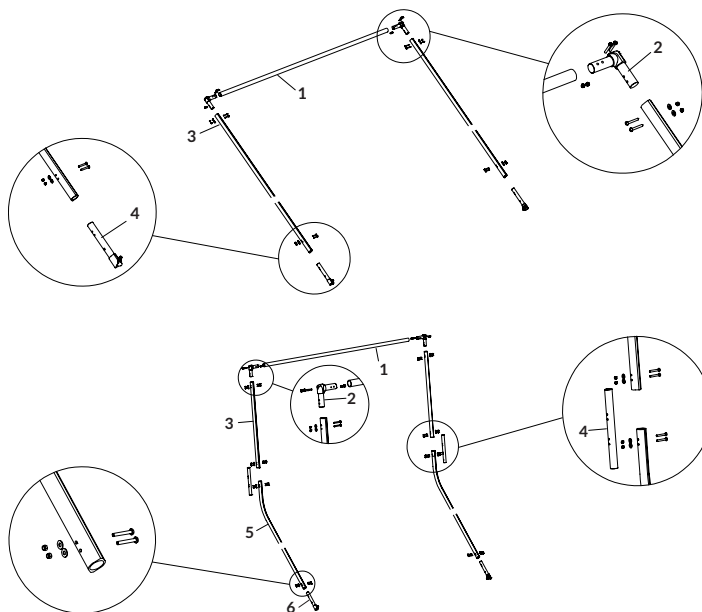


HYDRAULICS

DESCRIPTION	P/N	PRICE
Hydraulic Pump Assy [Includes: 1; 2; 4; 8; 11; 2 of 3, 6 & 9; 4 of 10]	1801626	
1 Hydraulic Pump - 12V M310	1800090	
2 Pump Mtg Bracket	1801623	
3 Pump Spacer	1801223	
4 Clamp - 5" to 7"	1800906	
5 Rubber Motor Mount	1801125	
6 Hydraulic Hose - 84" OAL	1801627	
7 Solenoid Cover - DL	1801015	
8 Circuit Breaker - 150 Amp	*1800458	
9 Hydraulic Fitting - 4JIC x 1/4NPT x MI90	*1800112	
10 Ring Terminal - 4 Ga. x 3/8" Stud - Battery	*1800158	
11 Dual-Conductor Wire - 4 Ga. - 16'	*1800220	

*These items are NOT shown in the drawing.



**PIVOT ARMS - SINGLE AXLE AND TRAILER**

DESCRIPTION	P/N	PRICE
1 Rear Cross Piece	1800300	
2 Cast Elbow - 90°	1800597	
3 Alum Return Arm - 150"	1800421	
Alum Return Arm - 240"	1801241	
4 Spring Pivot Connector	1801636	

PIVOT ARMS - TANDEM | MULTI-AXLE

DESCRIPTION	P/N	PRICE
Arm & Spring Kit - Multi Axle	1808751	
1 Rear Cross Piece	1800300	
2 Cast Elbow - 90°	1800597	
3 Alum Upper Return Arm - 50"	1800548	
4 Arm Coupler	1800547	
5 Alum Lower Return Arm	1800545	
6 Spring Pivot Connector	1801636	

SPRING PIVOTS - SINGLE AXLE AND TRAILER

DESCRIPTION	P/N	PRICE
1 Spring Shaft - 23-1/4" x 7/8" Hex	1808636	
2 Hex Bearing - 7/8" ID	1801243	
3 Inner Bearing Plate	1808639	
4 Bearing Spacer	1808638	
5 Spring Catch - 7/8" Hex	1808637	
6 Torsion Spring 22-Coil - L	1800279	
7 Outer Bearing Plate	1808640	
8 Spring Pivot Tube	1808641	
9 Internal Spring Assy - L	1808635	
10 Internal Spring Assy - R	1808634	
11 Frame Mount Gusset	1808646	
12 Frame Mount Plate - 4-1/2" SQ	1808645	
13 Torsion Spring 22-Coil - R	1800280	

SPRING PIVOTS - TANDEM | MULTI-AXLE

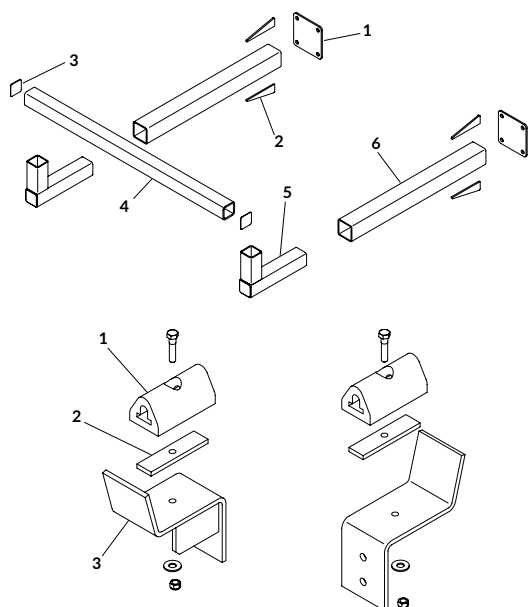
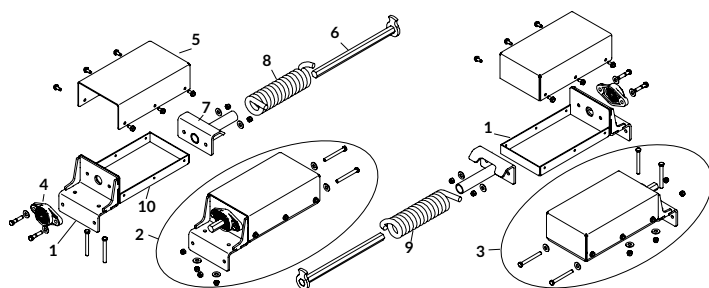
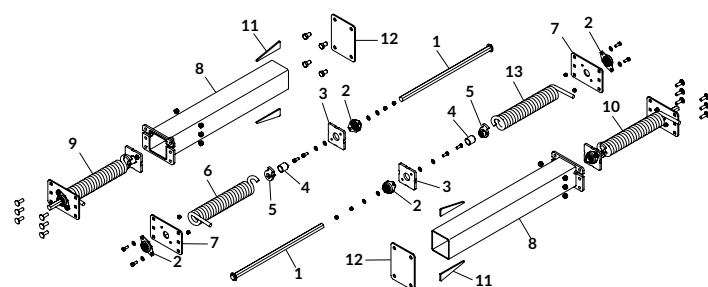
DESCRIPTION	P/N	PRICE
1 Spring Pivot Mount	1808663	
2 Bridge Mount Spring Assy - L [Includes: 2; 5; 6; 7; 8; 10]	1808665	
3 Bridge Mount Spring Assy - R [Includes: 2; 5; 6; 7; 9; 10]	1808664	
4 Hex Flange Bore Unit	1801082	
5 Spring Housing Cover	1808683	
6 Spring Shaft - 14-1/4" x 7/8" Hex	1808671	
7 Spring Retainer Weldment	1118955	
8 Torsion Spring 15-Coil - L	1704476	
9 Torsion Spring 15-Coil - R	1704477	
10 Spring Housing Base	1808669	

SPRING PIVOT SUPPORTS

DESCRIPTION	P/N	PRICE
Spring Pivot Support Kit - Tandem [Includes: 2 of 4; 4 of 1, 3, 5 & 6; 8 of 2]	1808752	
1 Frame Mount Plate - 3" SQ	1808673	
2 Frame Mount Gusset	1808646	
3 End Cap - 2-1/2" SQ	1808678	
4 Spring Pivot Mount Tube	1808679	
5 Spring Pivot Support Elbow	1808793	
6 Spring Pivot Support Tube	1808672	

PIVOT ARM RESTS

DESCRIPTION	P/N	PRICE
Rubber Bumper Kit [Includes: 2 of 1, 2 & 3]	1808659	
1 Rubber Bumper - Drilled - 4"	1801012	
2 Bumper Hold-Down Bar	1800140	
3 Pivot Arm Rest	1801324	



BOX DETAILS | ORDER FORMS



BOX DETAIL SHEET FOR END DUMPS

ALL TARPS ARE CUSTOM-MADE TO ORDER AND ARE NON-RETURNABLE. CORRECT PHYSICAL MEASUREMENTS ARE ESSENTIAL FOR PROPER TARP FIT. PROVIDE ALL REQUESTED INFORMATION OR YOUR ORDER MAY BE DELAYED. **DO NOT** USE UNIVERSAL BOX SIZES. **ALWAYS** USE ACTUAL MEASUREMENTS. BOX SIZE AND FINISHED TARP SIZE ARE **NOT** THE SAME.

CONTACT INFORMATION

G004BD-1019

NAME _____
 ADDRESS _____
 EMAIL _____
 CITY _____ STATE _____ ZIP _____
 PHONE _____ FAX _____
 BOX/TRAILER MAKE _____

BOX DIMENSIONS

A _____ UPPER BOX LENGTH
 B _____ UPPER BOX WIDTH
 Front _____ Center _____ Rear _____
 N _____ TOP RAIL WIDTH
 U _____ INSIDE BOX WIDTH
 X _____ BOX HEIGHT

CORNER CONFIGURATION *Must select one – see Figure 1*

SQUARE DIAGONAL RADIUS/NO RECESS
 SQUARE RECESS DIAGONAL RECESS

C _____ OUTSIDE CORNER RADIUS *Needed for ALL radius fronts*
 D _____ RECESSED WIDTH E _____ FLAT ACROSS FRONT
 F _____ FRONT-CORNER POST G _____ GUSSET LENGTH
 V _____ FLAT ACROSS DIAG. W _____ DIAGONAL DEPTH

TARP RAIL STYLE *See Figure 2*

SQUARE SELF CLEANING SQUARE W/PLANKS*

*Are planks flush with outside of top rail? Y / N (Circle one)

TARP RAIL DROP *See Figure 3*

FRONT REAR

L _____ BULKHEAD DEPTH O1 _____ FRONT TOP RAIL DROP
 M _____ THRESHOLD DEPTH O2 _____ REAR TOP RAIL DROP

FRONT END STYLE *See Figure 4*

RAISED FRONT SHIELD RAISED SHIELD/FLAT TOP RAIL
 SLANT W/CURVED SLANT W/SQUARE RAISED FRONT
 RAISED FRONT SQUARE TUB W/INVERTED RAM

AD _____ CYLINDER HEIGHT J _____ UPPER SHIELD WIDTH
 AE _____ DOGHOUSE DEPTH J1 _____ DOGHOUSE WIDTH
 H _____ SHIELD HEIGHT K _____ LOWER SHIELD WIDTH

REAR DUMP STYLE *See Figure 5*

OVERSLUNG HINGE GATE COMBO DOOR HINGE GATE
 HIGH POWER LIFT GATE RAISED HINGE GATE

AF _____ HINGE DEPTH AK _____ HINGE HEIGHT
 B _____ BOX WIDTH/REAR

TARP WEIGHT

18 OZ. 22 OZ. MESH

TARP COLOR(S) _____

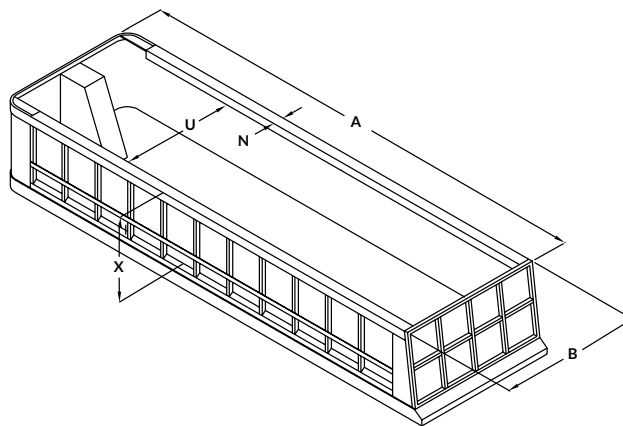


FIGURE 1

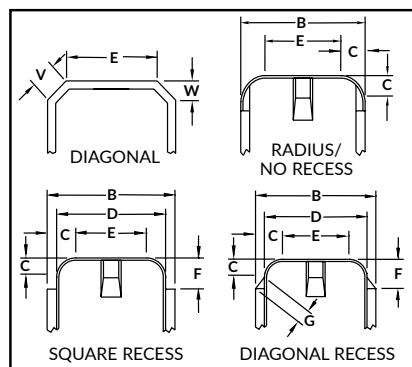


FIGURE 2

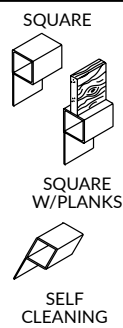


FIGURE 3

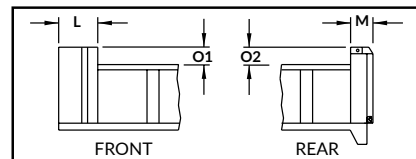


FIGURE 4

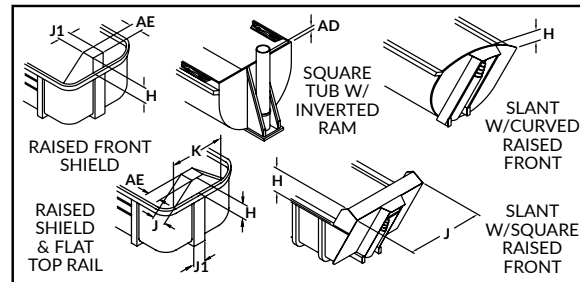
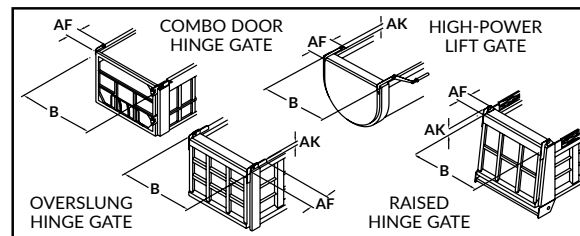


FIGURE 5



BOX DETAIL SHEET FOR LIVE-BOTTOM TRAILERS

CORRECT PHYSICAL MEASUREMENTS ARE ESSENTIAL FOR PROPER TARP FIT. PROVIDE ALL REQUESTED INFORMATION OR YOUR ORDER MAY BE DELAYED. DO NOT USE UNIVERSAL BOX SIZES. ALWAYS USE ACTUAL MEASUREMENTS. BOX SIZE AND FINISHED TARP SIZE ARE NOT THE SAME.

FIGURE 1

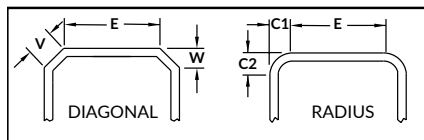
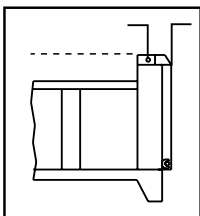


FIGURE 2



To measure radius corners correctly, place a carpenter's square on the front radius of the trailer. Measure at the point where the radius starts to arch around the front of the trailer.

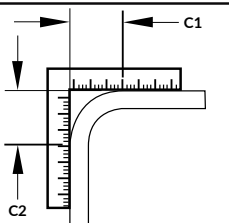
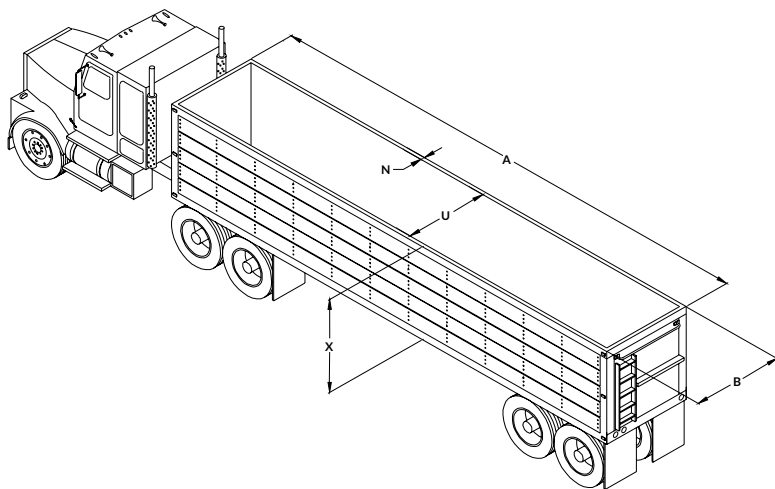
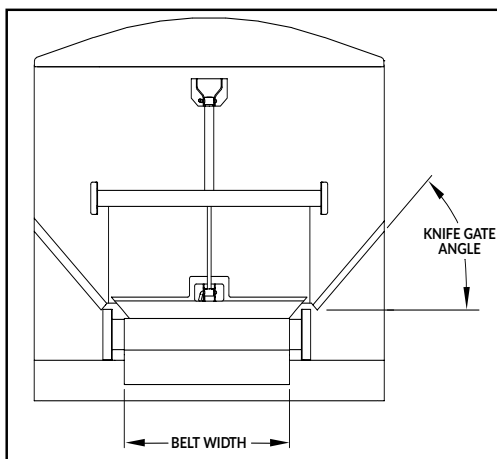


FIGURE 3



CONTACT INFORMATION

G016BD-1119

NAME _____
 ADDRESS _____
 EMAIL _____
 CITY _____ STATE _____ ZIP _____
 PHONE _____ FAX _____
 BOX/TRAILER MAKE _____
 BOX/TRAILER MODEL _____

BOX DIMENSIONS

A _____ UPPER BOX LENGTH
 B _____ UPPER BOX WIDTH
 Front _____ Center _____ Rear _____

N _____ TOP RAIL WIDTH
 U _____ INSIDE BOX WIDTH
 X _____ BOX HEIGHT

CORNER CONFIGURATION See Figure 1

SQUARE DIAGONAL RADIUS

C _____ OUTSIDE CORNER RADIUS | For all radius fronts
 C1 _____ FRONT RADIUS
 C2 _____ SIDE RADIUS

E _____ FLAT ACROSS FRONT
 V _____ FLAT ACROSS DIAGONAL
 W _____ DIAGONAL DEPTH

REAR DOOR STYLE TOP HINGE SIDE HINGE

REAR HINGE DEPTH See Figure 2 0" TO 10" 11" TO 17"

MANUAL OVERRIDE KIT" YES NO

*Recommended if hinge depth is > 2".

BACK CAP CHOICE** ALUMINUM FABRIC CAP

**MUST be 20-1/4" deep.

KNIFE GATE See Figure 3 YES NO

KNIFE GATE ANGLE 45° 57°

BELT WIDTH 36" 42" 48" 60"

TARP WEIGHT 18 OZ. 22 OZ.

TARP COLOR(S) _____

BOX DETAIL SHEET FOR BELLY DUMPS AND OPEN-TOP VANS

ALL TARPS ARE CUSTOM-MADE TO ORDER AND ARE NON-RETURNABLE. CORRECT PHYSICAL MEASUREMENTS ARE ESSENTIAL FOR PROPER TARP FIT. PROVIDE ALL REQUESTED INFORMATION OR YOUR ORDER MAY BE DELAYED. **DO NOT** USE UNIVERSAL BOX SIZES. **ALWAYS** USE ACTUAL MEASUREMENTS. BOX SIZE AND FINISHED TARP SIZE ARE **NOT** THE SAME.

CONTACT INFORMATION

G009BD-0519

NAME _____
 ADDRESS _____
 EMAIL _____
 CITY _____ STATE _____ ZIP _____
 PHONE _____ FAX _____
 BOX/TRAILER MAKE _____

BOX DIMENSIONS FOR BELLY DUMPS

A _____ UPPER BOX LENGTH
 B _____ UPPER BOX WIDTH
 Front _____ Center _____ Rear _____
 N _____ TOP RAIL WIDTH
 U _____ INSIDE BOX WIDTH
 U1 _____ INSIDE PLANK-TO-PLANK WIDTH
 X _____ BOX HEIGHT

NOTE: If belly dump is rounded, Shur-Lok® will NOT fit. Same goes for a box tapered at bottom for brackets for arms. In either case, MUST switch to Shur-Matic™ system instead. For questions, call 800.474.8756.

TARP RAIL STYLE See Figure 1

SQUARE SELF CLEANING SQUARE W/PLANKS*

*Are planks flush with outside of top rail? Y / N (Circle one)

LANDING EXTENSION LENGTH See Figure 2 – for Shur-Trak™ only

AJ _____

TARP COLOR(S) _____

BOX DIMENSIONS FOR OPEN-TOP VANS

A _____ UPPER BOX LENGTH
 B _____ UPPER BOX WIDTH
 Front _____ Center _____ Rear _____
 N _____ TOP RAIL WIDTH
 U _____ INSIDE BOX WIDTH
 X _____ BOX HEIGHT

CORNER CONFIGURATION See Figure 3

SQUARE DIAGONAL RADIUS

C _____ OUTSIDE CORNER RADIUS For all radius fronts
 E _____ FLAT ACROSS FRONT
 V _____ FLAT ACROSS DIAGONAL
 W _____ DIAGONAL DEPTH

TARP WEIGHT

18 OZ. 22 OZ. MESH

TARP COLOR(S) _____

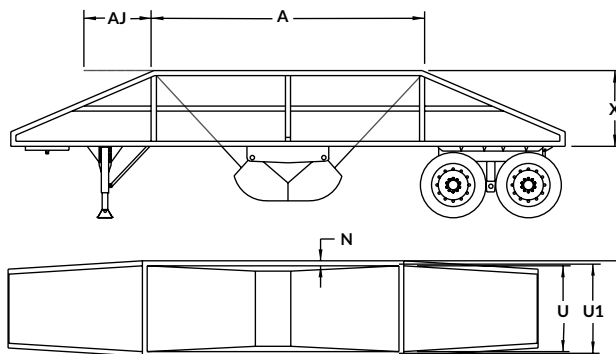


FIGURE 1

FIGURE 2

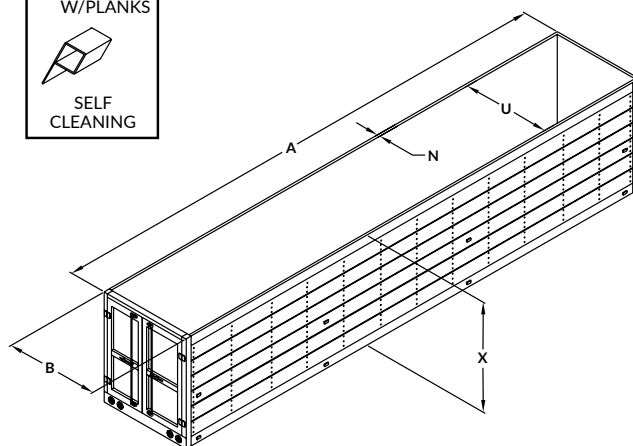
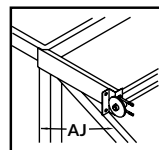
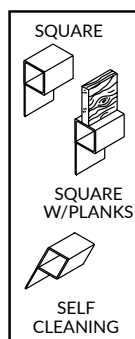
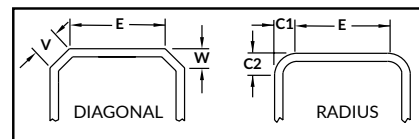
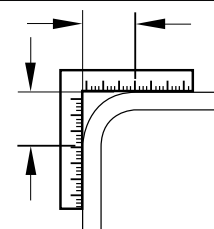


FIGURE 3



To measure radius corners correctly, place a carpenter's square on the front radius of the trailer. Measure at the point where the radius starts to arch around the front of the trailer.



SMARTrailer™ Accessories for End Dumps & Live Bottoms

ORDER FORM

Correct measurements are crucial to getting the right tarp fit. Provide all requested information or your order may be delayed. **DO NOT** use universal box sizes. **ALWAYS** use actual measurements.

CUSTOMER ID# _____ PO# _____ DATE _____ SOURCE CODE _____

NAME _____

ADDRESS _____ EMAIL _____ PHONE _____

CITY _____ STATE _____ ZIP _____

☐ END USER ORDER ☐ DEALER ORDER

SHIP TO _____

4500 HD FOR END DUMP

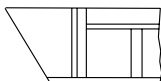
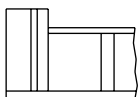
EQUIPPED WITH GATE FLEX™ OPTION TO ACCOMMODATE END DUMP DOORS.

MAKE _____

YEAR _____

FRONT OF TRAILER

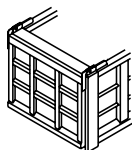
☐ VERTICAL ☐ SLOPED



REAR OF TRAILER

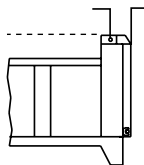
☐ TOP HINGE

(Must be level with or below the top rail.)



REAR HINGE DEPTH

☐ 0" - 10"
☐ >11" - 17"



MANUAL OVERRIDE*

☐ YES ☐ NO

*Recommended for hinge depth greater than 2".

QTY OF ELECTRIC WIRE

☐ 75' ☐ 100'

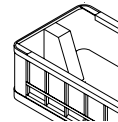
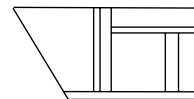
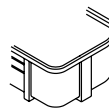
OPERATION TYPE

☐ ROCKER SWITCH
☐ SHURLINK PRO™ REMOTE
☐ SHURLINK EZR™ REMOTE

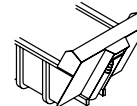
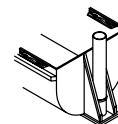
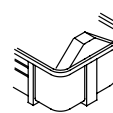
ADDITIONAL ITEMS TO ASK ABOUT

Are existing roll tubes in good shape? Need easy-off 6" offset tarp stops? Replacement U-clamps and screws?

Will fit these trailer styles:



These styles need modification in order to operate properly.



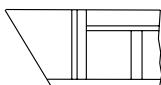
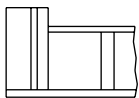
4500 HD FOR LIVE BOTTOM

MAKE _____

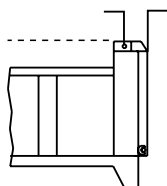
YEAR _____

FRONT OF TRAILER

☐ VERTICAL ☐ SLOPED



REAR OF TRAILER _____



RIB SPACING

FRONT _____ REAR _____ **

**Measure from center of rib to center of rib.

CATWALK LENGTH _____

LOCATION OF LADDER

☐ U.S. DRIVER ☐ U.S. PASSENGER
☐ CENTER ☐ OFF-CENTER

TRAILER MODEL

☐ 2006 OR NEWER
☐ 2005 OR OLDER

BACK CAP CHOICE***

☐ ALUMINUM ☐ FABRIC CAP

*Recommended for hinge depth greater than 2".

OPERATION TYPE

☐ ROCKER SWITCH
☐ SHURLINK PRO™ REMOTE
☐ SHURLINK EZR™ REMOTE

ADDITIONAL ITEMS TO ASK ABOUT

Are existing roll tubes in good shape? Need easy-off 6" offset tarp stops****? Replacement U-clamps and screws?

****Required for Top Hing Rear Door Kits.

KNIFE GATE

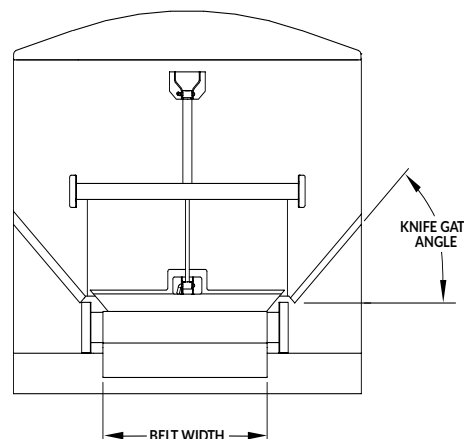
☐ YES ☐ NO

ANGLE

☐ 45° ☐ 57°

KNIFE GATE

☐ 36" ☐ 42" ☐ 48" ☐ 60"



SHUR-CO® SALES REP _____ DATE _____



Phone 800.474.8756 • Fax 605.665.0501
www.SHURCO.com



WARRANTIES



TERMS AND CONDITIONS



PATENTS



SHUR-CO® SALES TEAM

All product listing and prices in this catalog are subject to change without notice. All components other than standard may require a non-refundable engineering fee of \$75 and manufacturing fee of \$25. Call 1.800.327.8287 for support.

