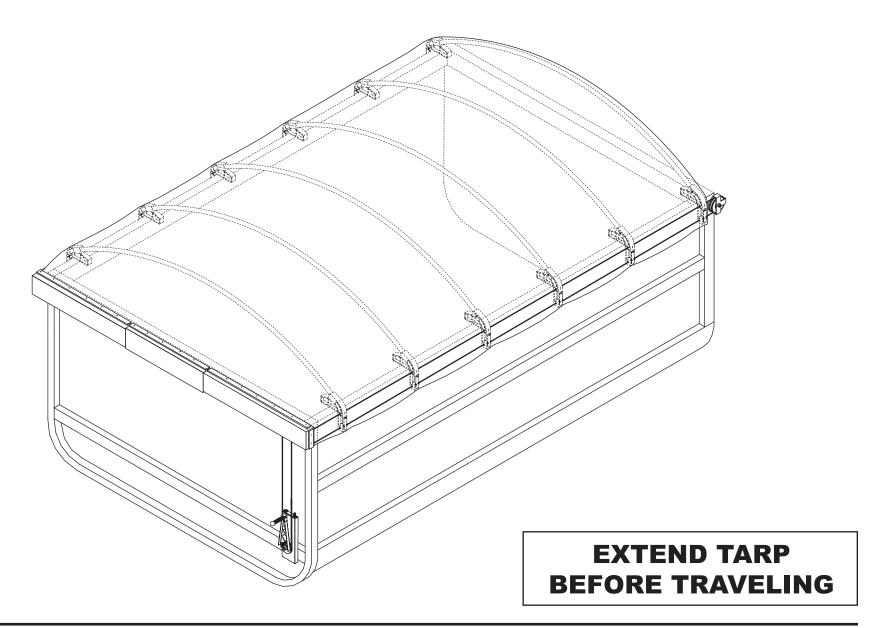
WLH 04/13/16



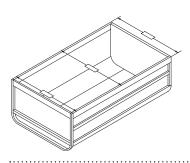
607-0031



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Read Instructions Carefully and Completely Before Starting



Important

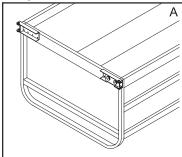
Proper alignment of bow sliders, pulleys, and cables is critical to the smooth operation of the system. Careful measurements taken at each step are required for the system to be properly aligned. Misaligned cables and pulleys will result in binding and premature wear of the system! **WARNING:** Tarp must be fully extended when traveling on the roadway!

NOTE: Tarp must be retracted when dumping and loading.

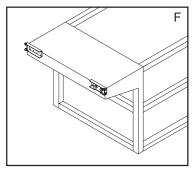
Step 1. Preparation

Measure trailer at the front, middle & rear of the top rail and record the widest point. Check trailer for square and be sure mounting surfaces are plumb. Irregularities (dents etc.) in the top rail must be repaired to make the top as smooth and straight as possible. Wood sideboards should be capped with steel channel that is tied into the top rail with steel straps to form a smooth and unobstructed tracking surface on top that is parallel and square.

Step 2. Choose Mounting Location



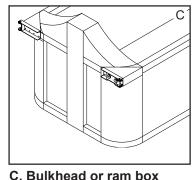
A. Flat top and square front trailer: Little or no additional fabrication required.



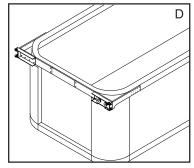
Corner Brackets

B. Radius Corners:
Front corners must be squared off. Additional fabrication is required. Front Corner Bracket Part # 502-0132 may be required for 18" to 24" radius corners.

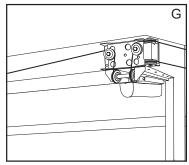
F. Cab Shield Mount: Fabrication of hand crank mount will be required unless optional side pulley mount is used.

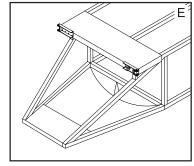


interference:
First Bow must stop short
of front pulley boxes and be
fixed to the trailer. Front
Corner Bracket Part # 5020132 may be required for 18"
to 24" radius corners.



D. Radius Corners:
Front Frame Bracket Kit 5020103 may be used to square off radiused corners.





E. Belly Dump:
A front tray should be fabricated to allow tarp to clear opening while loading. Tray should be 24" long in most applications and level with top rails.

G. Optional 502-0361: Horizontal motor mount is required for electric drives mounted under trays or cab shields.

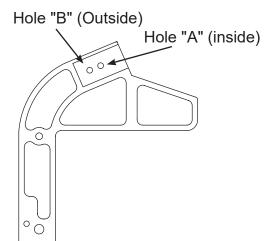
Super Slider Bows

For complete system orders the bows come pre-cut for your Super Slider Cable System.

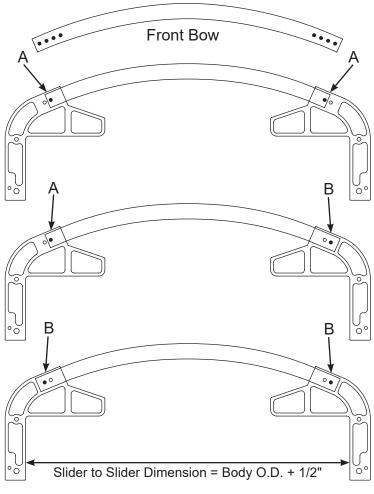
For parts orders the bows come punched with 4 holes on each side, allowing 15 different widths. They will need to be cut to proper length according to the chart below. When ordering replacement bows, please specify if it is a rear bow.

IMPORTANT: When cutting your rear bow, make sure that you cut the larger increment off on the LEFT SIDE (see rear bow drawing), failure to do this will cause your back flap to be off-centered.

Example: On a 100" rear bow, you will need to cut 1" off on the right side and 1 1/2" off on the left side. Refer to charts on the right.



Slider Hole Identification



Rear Bow

For Bows 93 7/8" Wide - Super Slider Cutting Chart (Slider to Slider Width 88.5" - 95.5")

Inside Width Slider To Slide	Cut Dimensions	Slider Left	Holes Right
95.5"	0"	Α	Α
95"	1/2" Left Side	Α	В
94.5"	1/2" Both Sides	В	В
94"	1/2" Right Side 1" Left Side	А	В
93.5"	1" Both Sides	А	Α
93"	1" Right Side 1 1/2" Left Side	А	В
92.5"	1 1/2" Both Sides	В	В
92"	1 1/2" Right Side 2 1/8" Left Side	А	В
91.5"	2 1/8" Both Sides	Α	Α
91"	2 1/8" Right Side 2 5/8" Left Side	А	В
90.5"	2 5/8" Both Sides	В	В
90"	2 5/8" Right Side 3 1/8" Left Side	А	В
89.5"	3 1/8" Both Sides	A	A
89"	3 1/8" Right Side 3 5/8" Left Side	А	В
88.5"	3 5/8" Both Sides	В	В

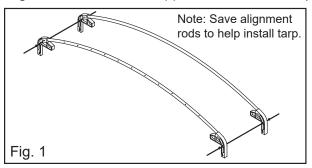
For Bows 100 5/8" - Super Slider Cutting Chart (Slider to Slider Width 95.5" - 102.5")

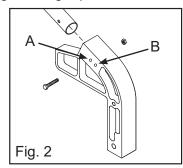
Inside Width Slider To Slide	Cut Dimensions	Slider Left	Holes Right
102.5"	0"	Α	Α
102"	1/2" Left Side	А	В
101.5"	1/2" Both Sides	В	В
101"	1/2" Right Side 1" Left Side	А	В
100.5"	1" Both Sides	A	Α
100"	1" Right Side 1 1/2" Left Side	А	В
99.5"	1 1/2" Both Sides	В	В
99"	1 1/2" Right Side 2 1/8" Left Side	А	В
98.5"	2 1/8" Both Sides	Α	Α
98"	2 1/8" Right Side 2 5/8" Left Side	А	В
97.5"	2 5/8" Both Sides	В	В
97"	2 5/8" Right Side 3 1/8" Left Side	А	В
96.5"	3 1/8" Both Sides	A	Α
96"	3 1/8" Right Side 3 5/8" Left Side	А	В
95.5"	3 5/8" Both Sides	В	В

Right

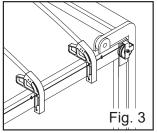
Holes Facing Toward You

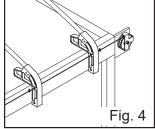
Step 3. Assemble two bows and four sliders. Your bows may need to be cut to the correct width. Refer to page 3 for Super Slider Cutting Chart. Insert alignment rods into the upper holes as shown (Fig. 1 & Fig. 2).

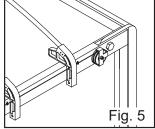




Optional Rear Pulley Mounting Positions (Fig. 3, Fig. 4 & Fig. 5).

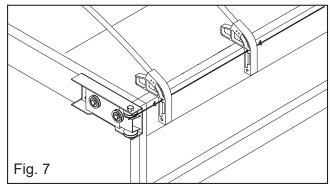






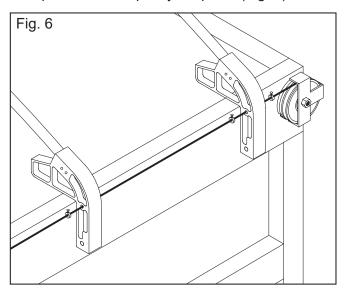
Top Hinge Full Coverage Beyond Tailgate

Flush Hinge

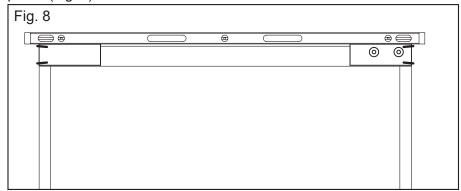


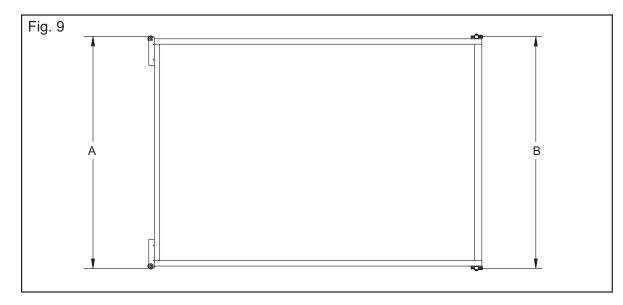
Step 5. Move the bow set to the front of the trailer. Use the alignment rods as a guide to line up the front pulley boxes. (Fig. 7)

Step 4. Place the bow set with the alignment rods on the top rail at the rear of the trailer. Center the bows on the trailer. Use the alignment rods as a guide to line up the pulleys at the rear of the trailer. Clamp or tack weld pulleys in place (Fig. 6).



Step 6. Align front pulley boxes with straight edge. Clamp or tack weld in place. (Fig. 8)





Step 7. Check measurements of front pulley boxes and rear pulley mounts. Width of pulleys must be the same at the front and back (Fig 9). Distance must be the same between pulleys front and rear on both sides (Fig 10). Weld or bolt pulley boxes and rear pulley mounts in place.

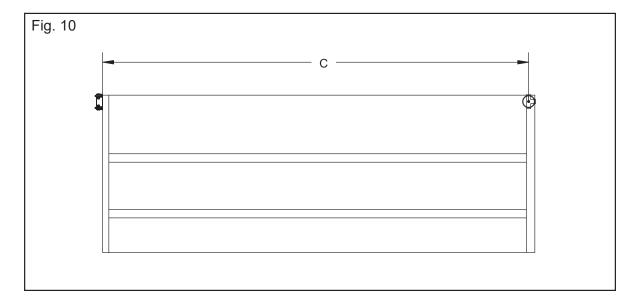
Note:

Dimension "A" and "B" Must be equal.

Cables must be parallel or binding will occur
causing hard manual cranking, or motor strain.

Note:

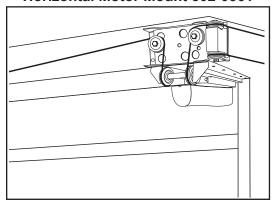
Dimension "C" Must be equal on both sides.

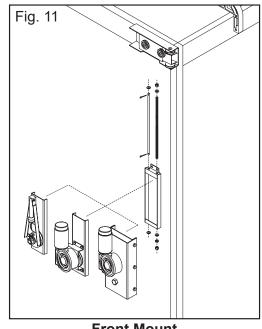


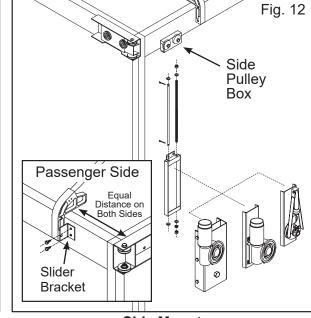
- Step 8. Choose mounting position and assemble drive on base mount.
- A. Remove cotter pin and washer from base mount and remove the guide shaft. Then remove the single nyloc nut from threaded adjusting shaft and remove it from base mount (Fig. 11 & 12).
- B. Insert guide shaft through top of base mount and through guide hole in back of drive assembly. Push the shaft all the way through the base mount. Reinstall the washer and cotter pin (Fig. 11 & 12).
- C. Thread adjusting shaft through top of base mount and threaded hole in back of drive assembly. Thread shaft through so the nyloc nut can be started on the bottom of the shaft (Fig. 11 & 12).

Note: When using the optional Side Pulley Box (part # 502-0108) be sure to use the Slider Bracket (part # 502-0451) on the passenger side (Fig. 12). The Slider Bracket acts as a stop on the passenger side and the Side Pulley Box acts as a stop for the driver side. This distance from the front of the body should be the same on both sides (Fig. 12).

Horizontal Motor Mount 502-0361

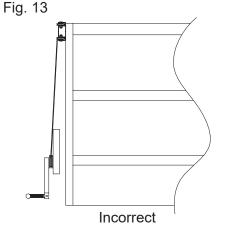


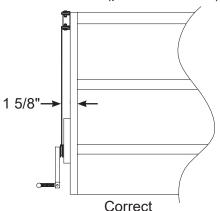


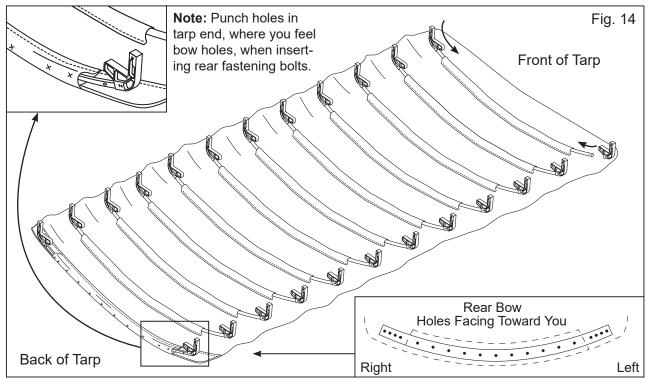


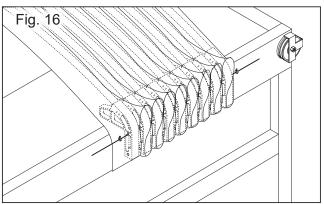
Front Mount

Side Mount Utilizes optional Side Pulley Box (part # 502-0108) and Slider Bracket on passenger side (part # 502-045¹)





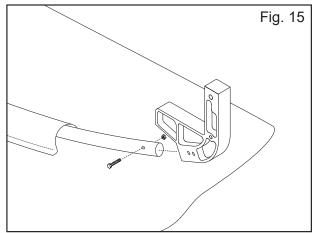




Step 10. Gather all the bows and sliders together on the ground and insert alignment rod through the sliders. Turn the tarp over and place on the trailer (Fig. 16). Start the cable and with the rods in place, as you come to the rods, feed the cable through as you remove the rods.

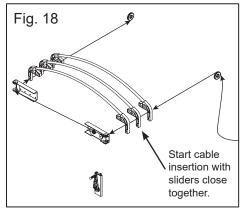
Step 9. Lay the tarp out on the ground with the pockets facing up. Install bows in tarp pockets and assemble sliders on bow ends (Fig. 14 & 15). The rear bow comes punched with 11 holes on the back side for the rear back flap. Insert this bow in the pocket at the rear of the tarp.

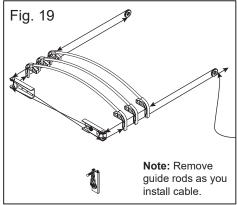
Note: If your tarp kit has lower profile bows, the lowest profile bow starts at the front. See Cable System Tarp Taper chart on page 20.

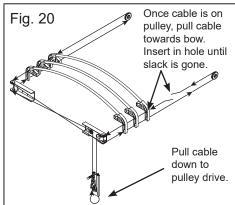


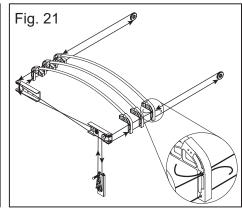
Step 11. Installing the Cable:

To install the cable, with sliders close together, stretch the entire cable out on the ground to remove any loops or twists. Using the rods as a guide, thread each end of the cable through the sliders at the same time as shown below (Fig. 18 - 23).

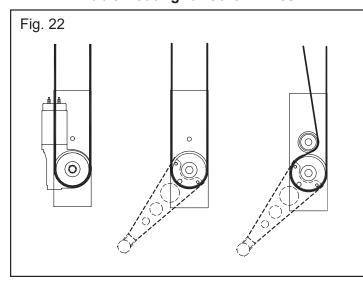








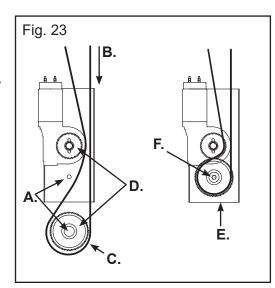
Cable Routing for Other Drives



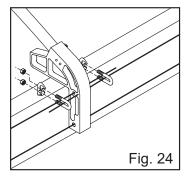
Step 12.

When routing the cable on a Gear Reduction Motor Drive (part # 502-0602) the lower drive pulley must be temporarily removed in order to route the cable (Fig. 23).

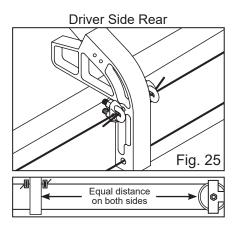
- **A.** Remove 1/2" bolt from lower drive pulley and slide pulley out of the bottom of the cover.
- **B.** Feed cable down through the drive cover along the right side of the small pulley.
- **C.** Lay the large drive pulley in the cable loop as shown.
- **D.** Make sure both bushings are in the bearings of the pulley.
- **E.** Slide pulley up into the drive cover while pulling cable from the top.
- **F.** Reinstall 1/2" bolt and lock washer through the cover and pulley and tighten.

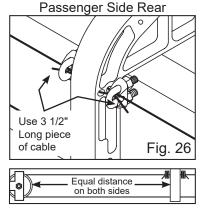


Step 13. Assemble cable clamps. Pull all slack out of the cable and tighten claps securely (Fig. 24).

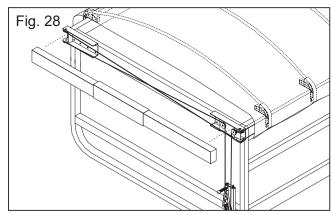


Step 14. On the left side (Driver Side), measure from the back of last slider to the front of the rear pulley (Fig. 25). Adjust the slider on the right side (Passenger Side) to be the same distance from the pulley. Use 3 1/2" long piece of cable along side of the main cable and clamp with cable clamps (Fig. 26), failure to do this will result in excess movement and wear in your rear bow.

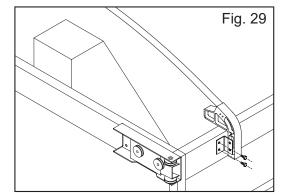




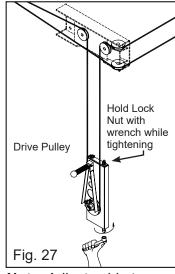
Step 16. Assemble the front cover by sliding the two end pieces into the center section. Install by snapping the cover in place over the pulley boxes (Fig. 28). Adjust the width by telescoping the sections in or out.



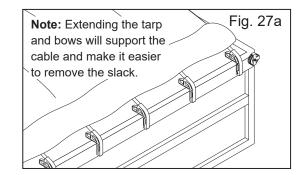
Optional: For applications that require a fixed front bow. Install Slider Brackets on each side equal distance from front of trailer to hold first bow in place (Fig. 29). Use an assembled bow as a guidewidth by telescoping the sections in or out.



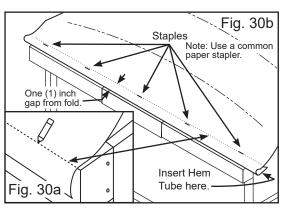
Step 15. Adjust cable tension until the cable just begins to slip on the drive pulley when the system is fully extended, then add one additional full turn (Fig. 27). Recheck measurement from the back of the last slider to the front of the rear pulley on each side. Adjust the slider on passenger side if necessary.

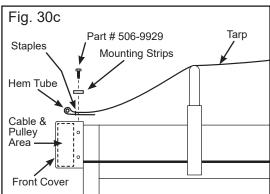


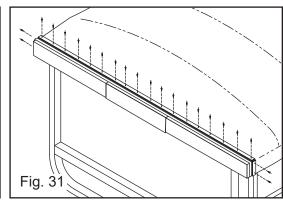
Note: Adjust cable tension by turning adjustment nut on drive clockwise as shown. Tighten the lock nut after adjustment (Fig. 27).



Step 17. Retract tarp so that rear bow is within three (3) inches of rear pulleys. Space varies depending on size of box. Pull front of tarp forward just past the pulley box cover. Draw a guideline





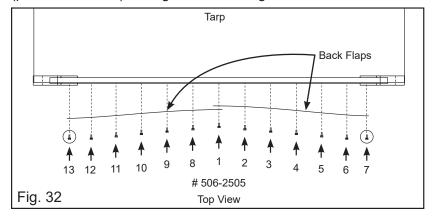


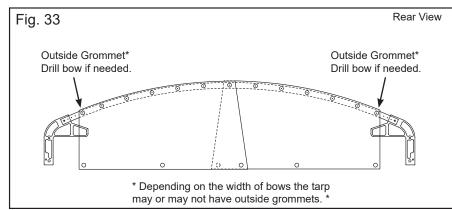
using edge of box to allow for fold (Fig 30a). Then staple the folded tarp (Fig. 30b) one inch from the fold, starting at the center and working to sides using the guideline, to allow for easier insertion of hem tube. After stapling, insert hem tube and push through until hem tube comes out the other side. Pull fabric tight and fasten to front cover, starting from the center, using the aluminum mounting strips and self tapping screws (part # 506-9929) (Fig. 30c & 31). The Aluminum bar should cover staples. Be sure the self tapping screws go all the way through and into the pulley box.

Step 18. Attach the back flap, which is two separate pieces. The pieces will be overlapped in the center. Attach the back flap to the rear bow starting from the center. Insert the self drilling screws (part # 506-2505) in the order (Fig.32).

Note: Bolts #7 & 13 will only be used if the tarp has outside grommets in the back flap.

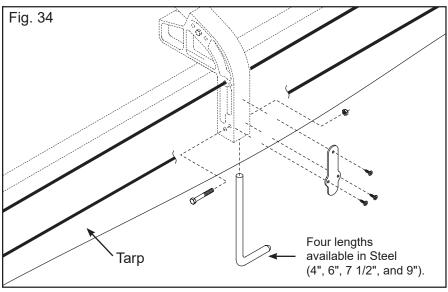
If tarp has outside grommets in the back flap, you will need to drill a 3/16" hole in the bow (Fig. 33) and insert the self threading screws (part # 506-2505) through the outside grommets and into the bow.







Step 19. Center the tarp on the bows and install slider covers over fabric (Fig. 34). Hold down hooks are installed every 3rd or 4th slider (Fig. 35) Space evenly and use all hooks provided. Longer hooks are installed to the front.



Step 20. On steel bodies cut Body Hold Downs to allow 1" clearance between Slider Hold Down Hold Downs (Fig. 36).

Step 21. On steel bodies weld Body Hold Downs in place (Fig. 37).

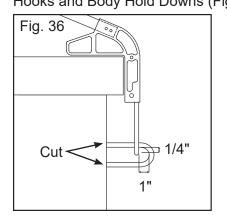


Fig. 37

Weld (Steel)

Tarp Not Shown In Illustration

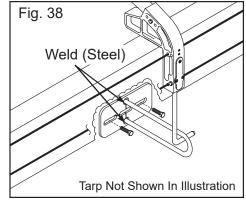
Fig. 35

Short Hooks

Front of Truck

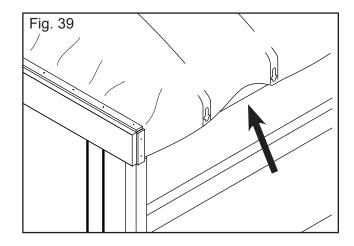
Step 22. On aluminum bodies Cut Body Hold Downs to allow 1" clearance between Slider Hold Down Hooks and Body Hold Downs (Fig. 36). Weld to mounting plate then bolt to body

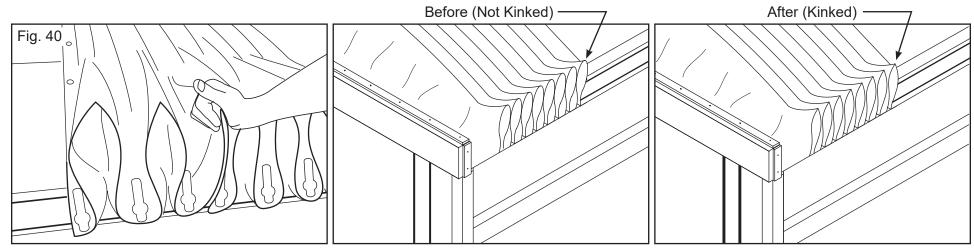
(Fig. 38).



Step 23. There is a plastic hem tube sewn in the seam along the bottom edge of the tarp (Fig. 39). The Hem Tube will need to be kinked between each bow so the tarp folds up properly when retracted.

Note: To kink the Hem Tube, fully retract the system and pull the folds out and up on each side. Then squeeze the top of each fold to kink the hem tube (Fig. 40).





Step 24. Cycle system in and out a few times. Add cable tension until the cable begins to slip on the drive pulley when the system is fully retracted, then add one additional full turn. Tighten lock nut (Fig 27 Page 9).

Step 25. Check slider distance to rear pulleys as shown in Step 17. Recheck cable tension often during the first week of operation. Adjust cable tension and realign bows as needed.



Single Cable Hand Crank Drive Kit - Standard (Part # 502-0501)
Single Cable Hand Crank Drive Kit - with Idler Pulley (Part # 502-0502)
Crank Base Mount Assembly - Ordered Separately (Part # 502-0509)

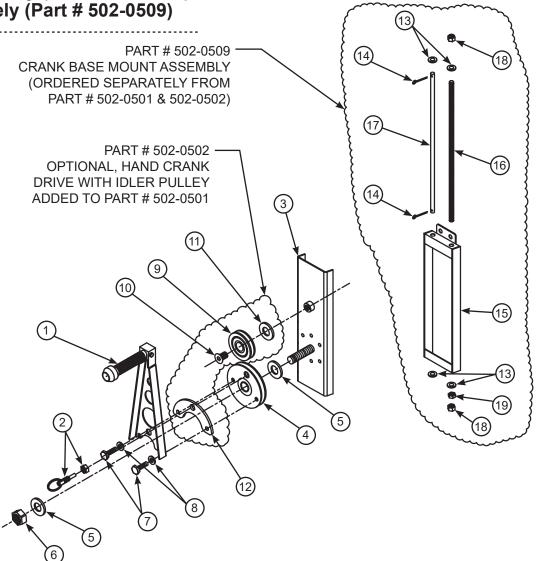
HAND CRANK DRIVE KITS - PART # 502-0501 & 502-0502

ITEM	PART#	DESCRIPTION	QTY
1	502-0508	Crank Arm Assembly-Includes Item 2	1
2	502-0567	Spring Lock Plunger	1
3	502-0512	Hand Crank Drive Cover Assembly	1
4	502-0533	4.5" Drive Pulley "V" Groove with Bearing	1
5	505-9905	20mm Flat Washer	2
6	504-9902	20mm Nylock Nut	1
7	503-3103	5/16"-18 x 3/4"lg. HHCS Bolt	2
8	505-3102	5/16" Lock Washer	2
		WITH IDLER PULLEY #502-0502	
9	502-0148	2.5" Pulley with Bearing	1
10	506-5003	1/2" - 13 x 1"lg. Flat Head Socket Cap	1
11	505-9905	20mm Flat Washer	1
12	502-0564	Pulley Handle Spacer	1

CRANK BASE MOUNT ASSEMBLY - PART# 502-0509

ITEM	PART#	DESCRIPTION	QTY
13	505-5001	1/2" AN Flat Washer	4
14	506-1201	1/8" x 1" Cotter Pin	2
15	502-0510	Crank Base Plate Assembly	1
16	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
17	502-0530	1/2" Guide Shaft 13 1/4: lg.	1
18	504-5004	1/2" - 13 Nyloc Nut	2
19	504-5005	1/2" - 13 Hex Nut	1

BAB REV. 11/21/07





Single Cable Standard Motor Drive Assembly (Part # 502-0601) Crank Base Mount Assembly - Ordered Separately (Part # 502-0509)

STANDARD MOTOR DRIVE ASSEMBLY - PART # 502-0601

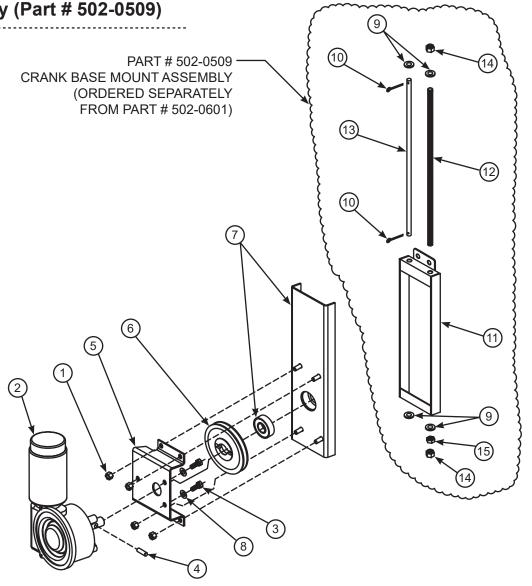
ITEM	PART#	DESCRIPTION	QTY
1	504-3103	5/16" - 18 Nyloc Nut	4
2	517-0906	12V DC Electric Motor	1
3	503-3103	5/16" - 18 x 3/4"lg. HHCS Bolt	3
4	517-0326	.312 x 1.5"lg. Dowel Pin	1
5	502-0620	Super Winch Motor Bracket	1
6	502-0621	4.5" Super Winch "V" Pulley	1
7	502-0635	SW Motor Drive Cover Assembly	1
8	505-3102	5/16" Lock Washer	3
*	514-0121	6 GA. Electrical Wire	70'
*	514-0505	Quick Disconnect Term 50 AMP	2
*	514-0114	Smart Switch Basic Kit	1

^{*}NOT SHOWN*

CRANK BASE MOUNT ASSEMBLY - PART # 502-0509

ITEM	PART#	DESCRIPTION	QTY
9	505-5001	1/2" AN Flat Washer	4
10	506-1201	1/8" x 1" Cotter Pin	2
11	502-0510	Crank Base Plate Assembly	1
12	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
13	502-0530	1/2" Guide Shaft 13 1/4: lg.	1
14	504-5004	1/2" - 13 Nyloc Nut	2
15	504-5005	1/2" - 13 Hex Nut	1

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Single Cable Gear Reduction Motor Drive Assembly (Part # 502-0602) Crank Base Mount Assembly - Ordered Separately (Part # 502-0509)

GEAR REDUCTION MOTOR DRIVE ASSEMBLY - PART # 502-0602

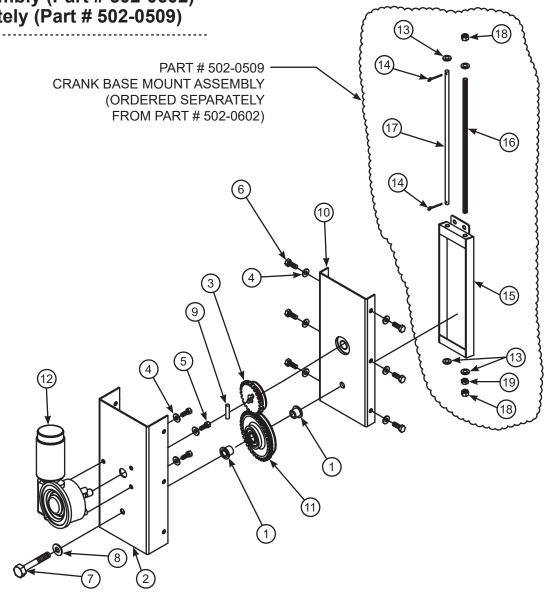
ITEM	PART#	DESCRIPTION	QTY
1	502-0546	1-1/8 Pulley Bushings	2
2	502-0561	Gear Drive Motor Mount	1
3	502-0570	24 Tooth Geared Pulley	1
4	505-3102	5/16" Lock Washer	9
5	503-3103	5/16 - 18 x 3/4" HHCS	3
6	503-3101	5/16 - 18 x 1/2" HHCS	6
7	503-5007	1/2" - 13 x 2-1/4" HHCS	1
8	505-5003	1/2" AN Lock Washer	1
9	517-0326	Dia. 0.312 x 1.5" Dowel Pin	1
10	502-0592	Adjustable Motor Cover Assembly with Bearing	1
11	502-0573	37 Tooth Geared Pulley with Bearings	1
12	517-0906	12V DC Electric Motor	1
*	514-0121	6 GA. Electrical Wire	90'
*	514-0505	Quick Disconnect Term 50 AMP	2
*	514-0114	Smart Switch Basic Kit	1

^{*}NOT SHOWN*

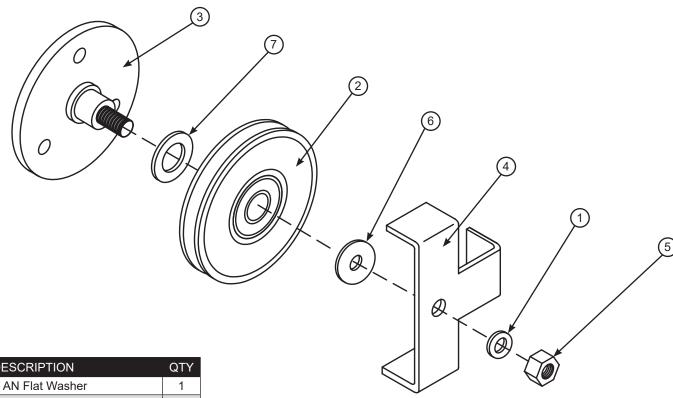
CRANK BASE MOUNT ASSEMBLY - PART # 502-0509

ITEM	PART#	DESCRIPTION	QTY
9	505-5001	1/2" AN Flat Washer	4
10	506-1201	1/8" x 1" Cotter Pin	2
11	502-0510	Crank Base Plate Assembly	1
12	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
13	502-0530	1/2" Guide Shaft 13 1/4: lg.	1
14	504-5004	1/2" - 13 Nyloc Nut	2
15	504-5005	1/2" - 13 Hex Nut	1

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Single Cable Rear Pulley Mount Assembly (Part # 502-0201)

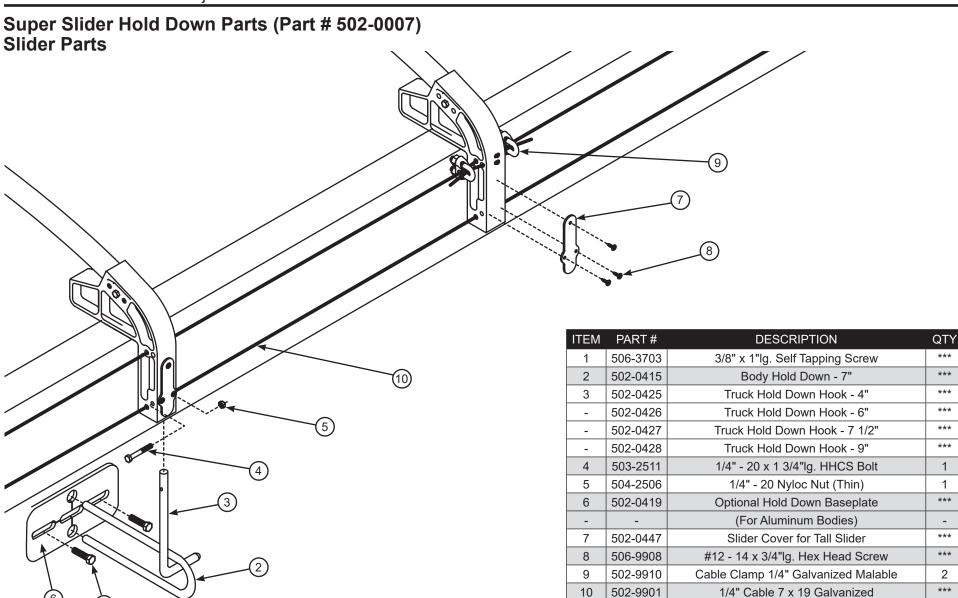


ITEM	PART#	DESCRIPTION	QTY
1	505-5001	1/2" AN Flat Washer	1
2	502-0208	4.5" Standard Pulley	1
3	502-0510	Crank Base Plate Assembly	1
4	502-0516	Crank Adj. Shaft, 1/2" - 13 x 14"lg. Threaded	1
5	504-5004	1/2" - 13 Nylock Nut	1
6	505-5004	1/2" Flat Washer	1
7	505-9905	20mm Flat Washer	1

WLH REV. 04/13/16

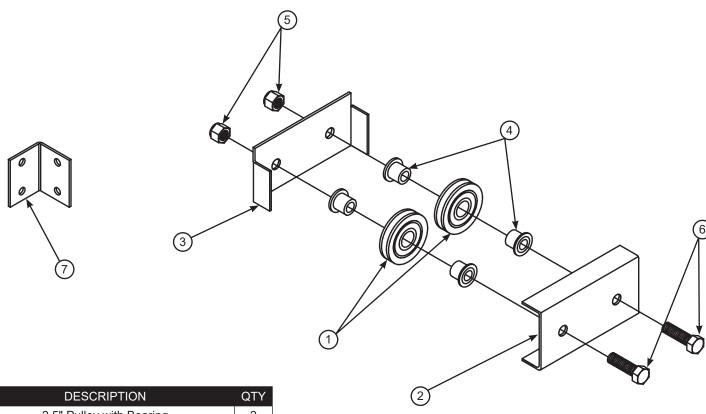
QUANTITIES VARY DEPENDING ON LENGTH BAB REV. 11/21/07

1404 N. Marshall Ave. El Cajon CA. 92020





Single Cable Optional Side Pulley Box Assembly (Part # 502-0108)



ITEM	PART#	DESCRIPTION	QTY
1	502-0148	2.5" Pulley with Bearing	2
2	502-0156	Side Pulley Mount	1
3	502-0157	Side Pulley Cover	1
4	502-0159	Bushing, Pulley 20mm (Aluminum)	4
5	504-5004	1/2" - 13 Nyloc Nut	2
6	503-5014	1/2" - 13 x 1 3/4"lg. HHCS Bolt	2
7	502-0451	Slider Bracket	2

BAB REV. 11/20/07

PART#

502-0184

502-0383

PART#

502-0107

502-0105

502-0148

502-0301

502-0320

502-0319

ITEM

ITEM

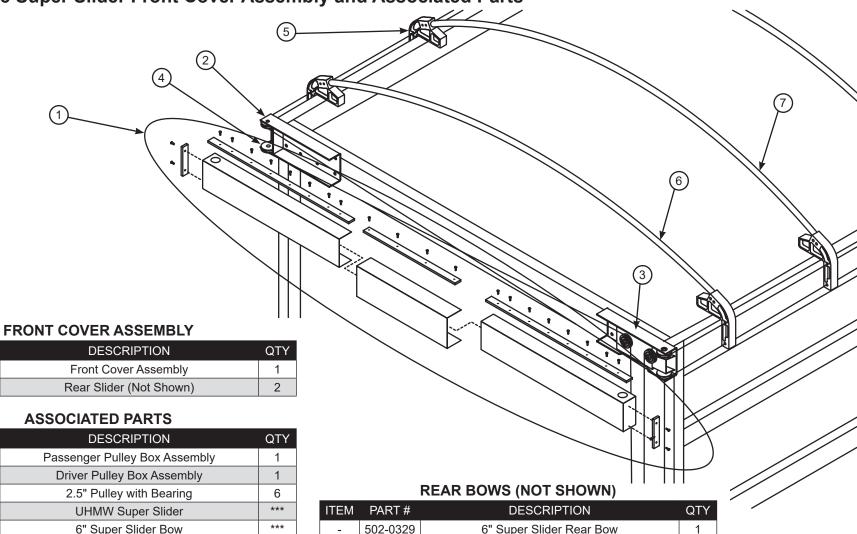
3

4

5

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Single Cable Super Slider Front Cover Assembly and Associated Parts



^{502-0325 16&}quot; Super Slider Bow (Not Shown)

QUANTITIES VARY DEPENDING ON LENGTH

12" Super Slider Bow

WLH REV. 04/13/16

1

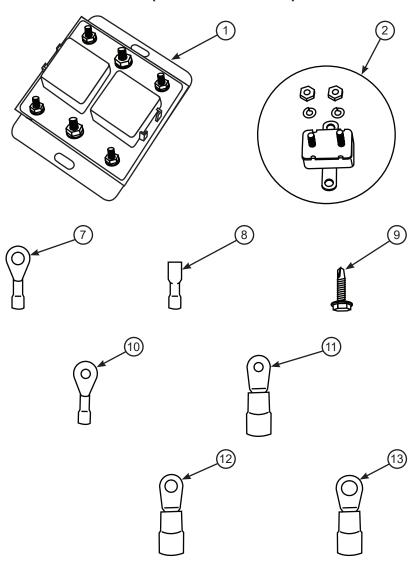
12" Super Slider Rear Bow

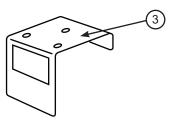
16" Super Slider Rear Bow

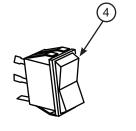
502-0330

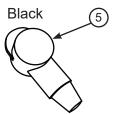
502-0331

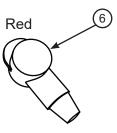
Smart Switch Basic Kit (Part # 514-0114)











ITEM	PART#	DESCRIPTION	QTY
1	514-9967	Reversing Polarity 12V Solenoid	1
2	514-0408	50 AMP Type II Breaker	1
3	514-9954	Rocker Switch Bracket	1
4	514-0117	Rocker Switch 3 Position Momentary	1
5	514-0337	Black Terminal Boot	2
6	514-0336	Red Terminal Boot	2
7	514-0304	Connector 14 ga. Lug with 1/4" Eyelet	1
8	514-0321	Push On Female Terminal 16 ga.	3
9	506-9904	#10 x 3/4" Self Drilling Screw	6
10	514-0303	Connector 14 ga. #10 Stud Eyelet	2
11	514-0307	Connector 6 ga. #10 Stud	2
12	514-0308	Connector 6 ga. Lug with 1/4" Eyelet	6
13	514-0309	Connector 6 ga. Lug with 3/8" Eyelet	2
-	514-0211	#16 - 3 Wire PVC 27# Copper	25'

BAB REV. 1/23/09

Cable System Tarp Tapers

