

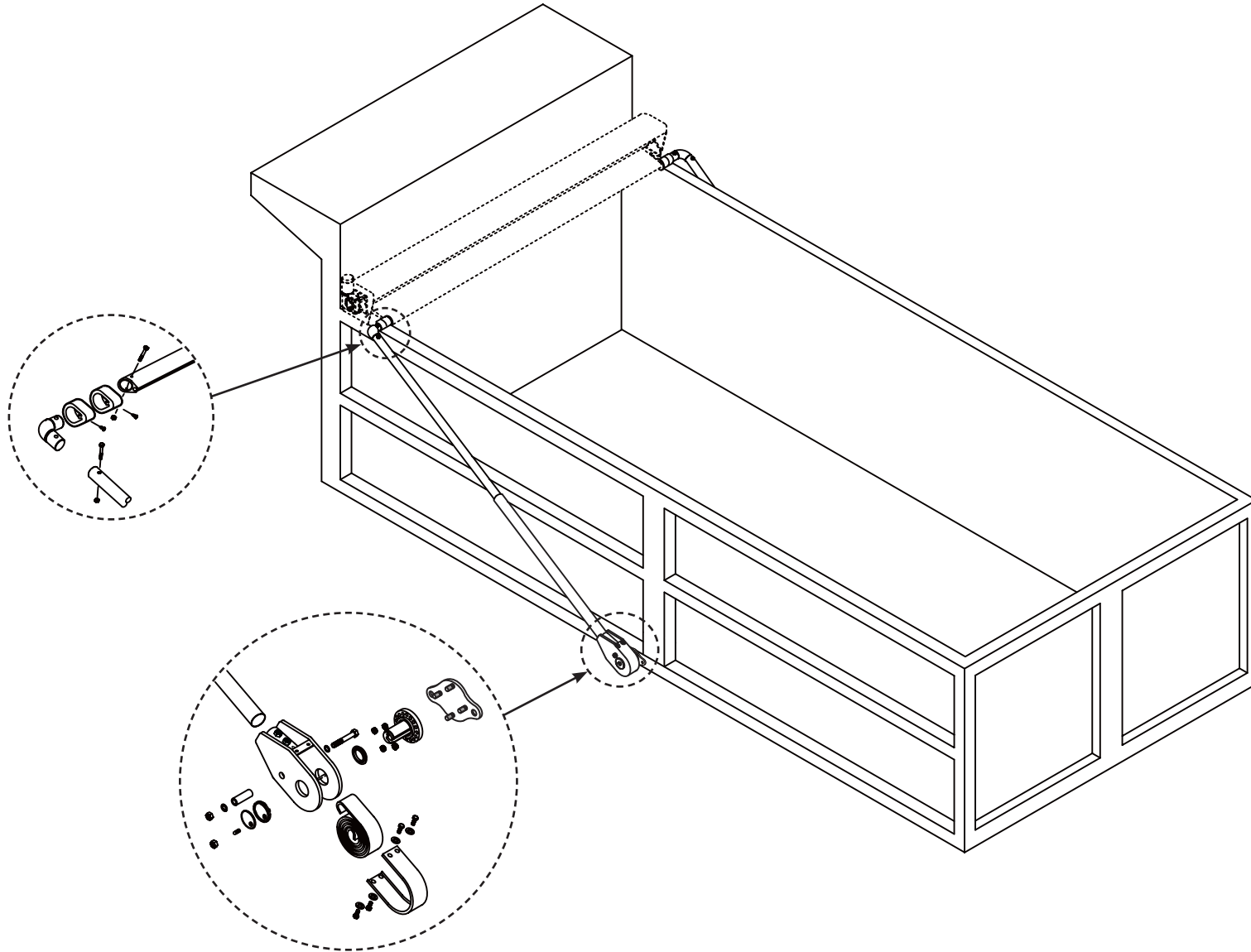


1404 N. Marshall Ave. El Cajon CA. 92020

WLH 08/15/17

EZ-Mount 40' Alum. Single Spring Arm Kit Installation Instructions

501-1757, 501-1758



607-0144

For technical support call us at (877) 861-6265 or visit our website at Pulltarps.com.



A Division of Roll Rite, LLC

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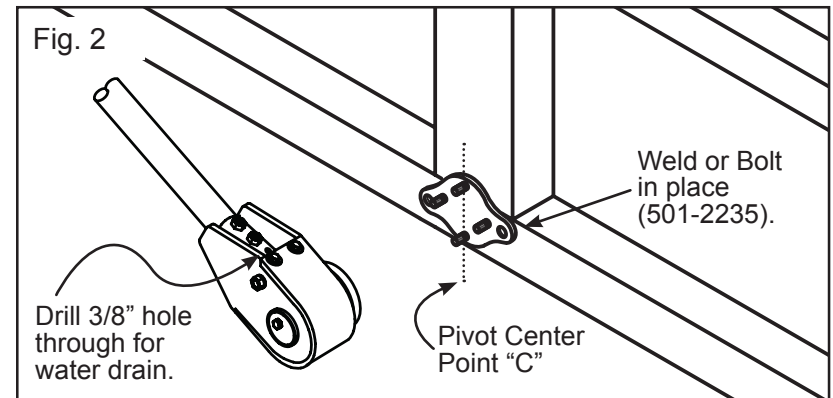
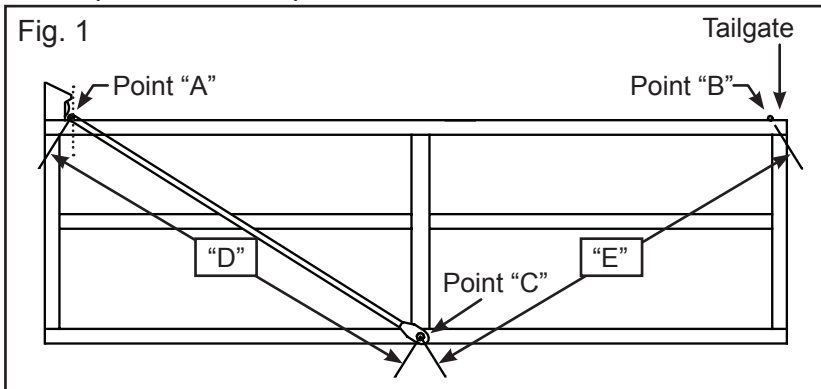
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Pivot Points and Mounting Locations

Step 1. Determining the Pivot Points and Mounting Locations

Locate the proper mounting positions by determining Point "A" and Point "B" and insuring measurement "D" and "E" are equal (Fig.1). Point "C" must be located as low as possible. Mark pivot location.

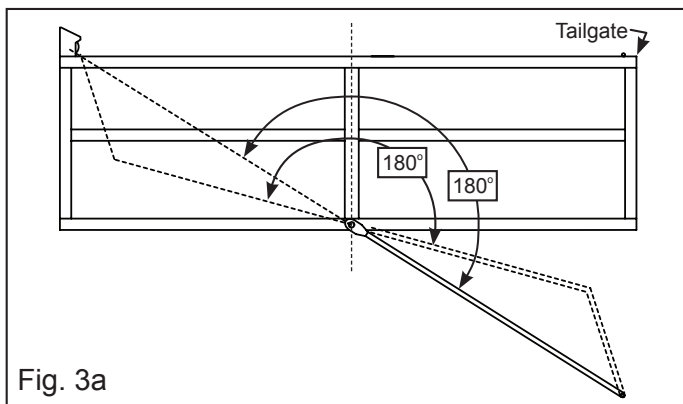


Step 2. Mounting the Pivot

For Single Springs pivots weld or bolt the Arm Adaptor Plate in place (Fig. 2).

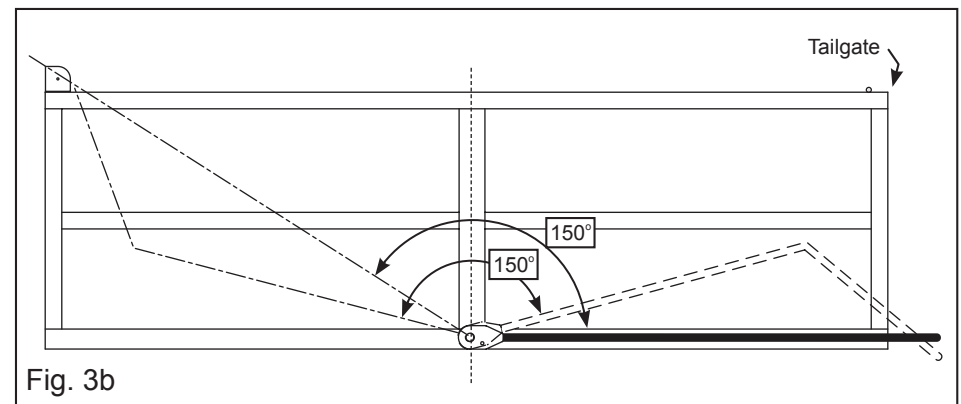
Step 3a. Arm Preload (for boxes over 22' in length)

Install Arm and Pivot assemblies on Arm Adaptor Plate with Arm indexed as shown in Fig. 3a. Arms must be indexed with no spring load on pivots. Index Arms at 180 degrees of travel from the Roller Mechanism for proper preload of the springs. The dotted lines represent proper 180 degree preload position for applications with Bent Arms. Mark pivot pin location on box.

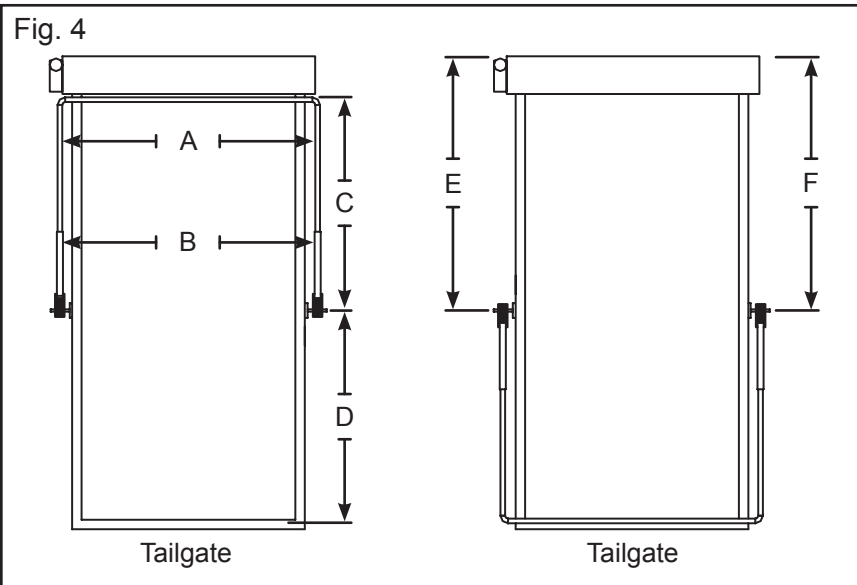


Step 3b. Arm Preload (for boxes under 22' in length)

Install Arm and Pivot assemblies on Arm Adaptor Plate with Arm indexed as shown in Fig. 3b. Arms must be indexed with no spring load on pivots. Index Arms at 150 degrees of travel from the Roller Mechanism for proper preload of the springs. The dotted lines represent proper 150 degree preload position for applications with Bent Arms. Mark pivot pin location on box.



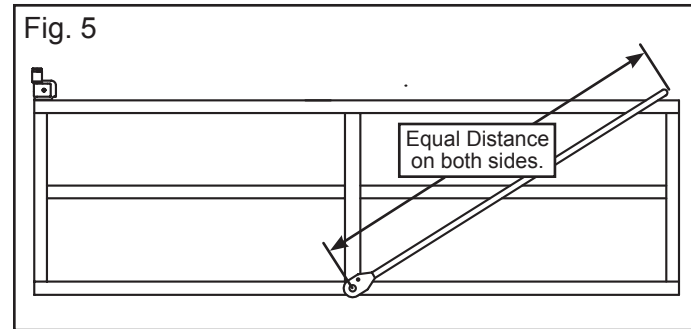
Arm Alignment, Tarp and Pullbar Installation



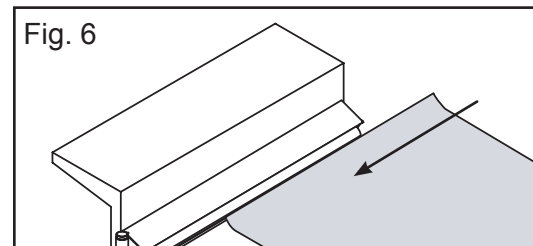
Step 4 - Correct Alignment of arm to truck:

Arms and pivots must be square and parallel to truck (Fig. 4).

(Dimension "A" must equal "B" - Dimension "C" must equal "D" - Dimension "E" must equal "F")

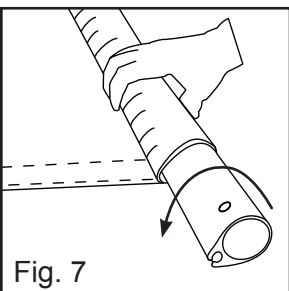


Step 5: Adjust the Arms on both sides to be the same length (Fig. 5).



Step 6 - Tarp Installation:

Slide Tarp into Groove on roller tube and center (Fig. 6).

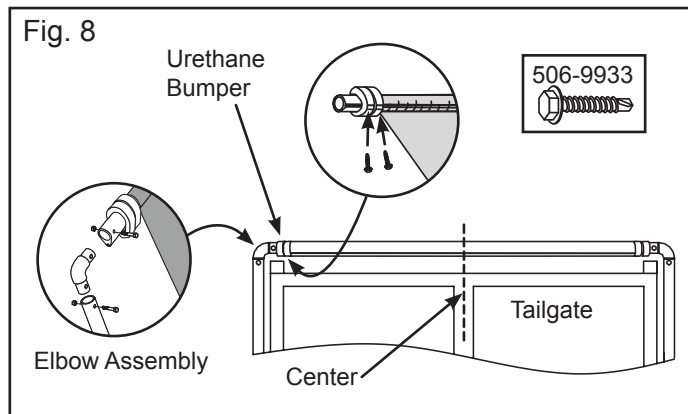


Step 7 - Installing The Pullbar:

Cut the pullbar to length making sure the arms remain parallel and square to the body.

Slide the tarp into groove in the pullbar and center the tarp.

Roll the tarp up on the pullbar two revolutions (Fig. 7).



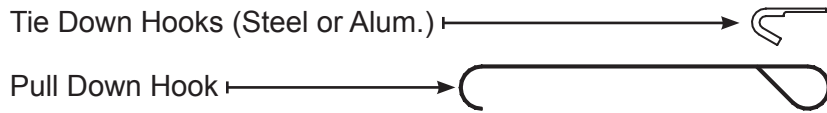
Step 8: Fasten the tarp in place by sliding the two urethane bumpers on to the pullbar far enough to touch the edges of the tarp. Lock in place by installing a 1-1/2" long (506-9933) self drilling screw through the bumper and into the hem tube groove of the pullbar (Fig. 8).

For elbows, use the long bolts provided in the kit, when deployed to catch the rope on flap tarps.

Note: Tarp must be retracted when dumping.

Optional Flap Tarp, Rope and Hook Installation

Parts:



Note: The Location Of The Tie Down Hooks Is Critical!

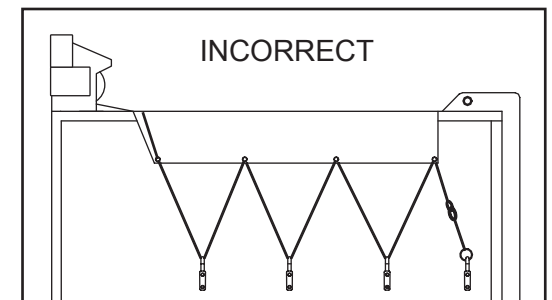
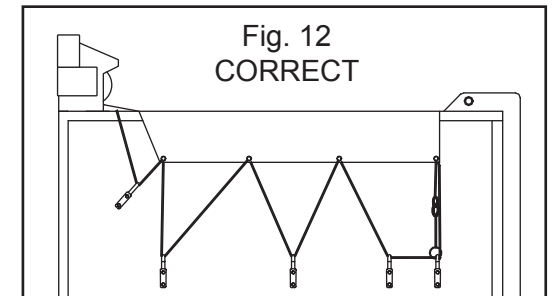
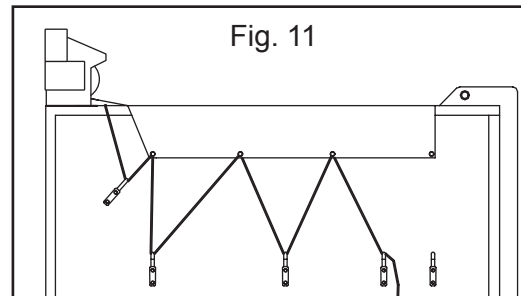
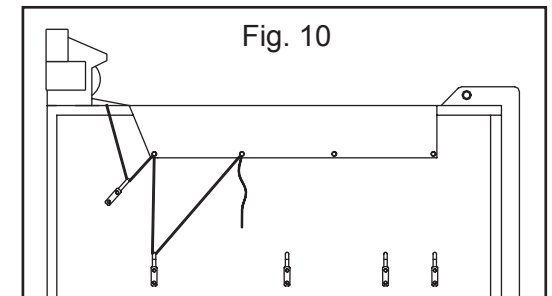
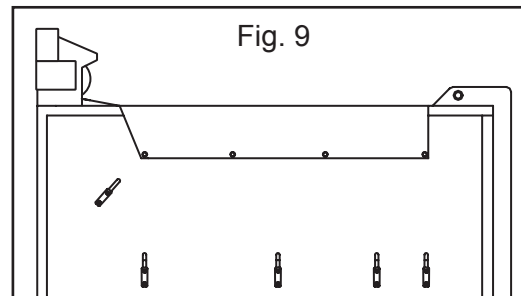
Step 9: Flip the braided rope over the corner so that the flaps and tie down ropes hang over each side of the box. The number of tie down hooks vary depending on the length of your tarp. One pull down hook is included with your Pulltarp system. If needed. Use the hook to pull the braided rope and flaps over the side of the box.

The tie down hooks must be positioned so that:

1. The tie down rope can be reached from the ground.
2. The bungee cord has to be stretched to reach the last hook (see **Step 10**).
3. The rope has no slack.
4. The tie down hooks are level with one another.

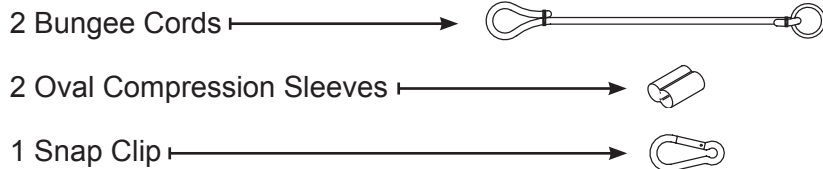
To ensure proper hook placement, first duct tape the rope to the box in place of the tie down hooks. Start with hook closest to the cab.

1. Position the first hook 6" (15.24cm) down and 12" (30.48cm) forward (toward the cab) from the first grommet (Fig. 9).
2. Position 2nd hook straight down from 1st grommet. This hook should be reached from ground (Fig.10).
3. Place middle hooks equal distances from grommet (Fig.11). These hooks should be placed at the same height as the second hook.
4. Position last hook (closest to the tailgate) below the last grommet at the same height as the others (Fig.12).
5. Weld hooks in place.



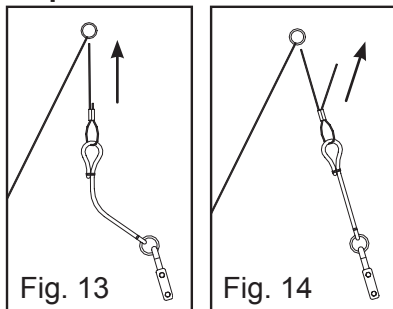
Bungee Cord Installation

Parts:



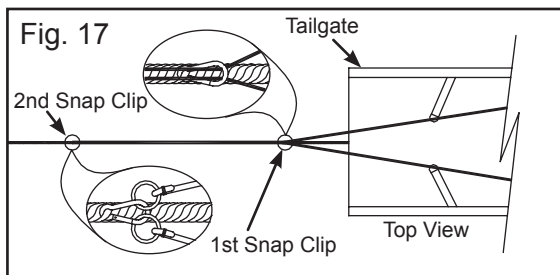
Step 10: After side hooks are installed, the tie down rope must be installed and cut to proper length. It is important to get all of the slack out of the rope to prevent blowing and rubbing of flaps in windy conditions.

Tarps with Tie Downs



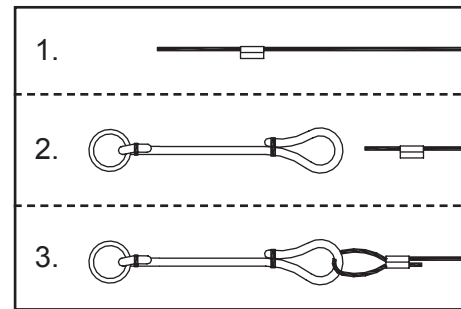
To tighten, pull loose end of rope through the Oval Compression Sleeve (Fig. 13). Stretch the bungee cord making sure all slack is taken out of the rope, crimp compression sleeve (Fig. 14).

Snap Clip Installation



Flip the rope back on top of the tarp, making sure to hold the bungee at all times. The first snap clip is factory installed 5'-6' from the pullrod. Open the clip and enclose the rope. Weave the second clip through the main pullrope where the ends of the bungee cords meet the main pullrope. Make sure the rope is taught when clipped (Fig. 17).

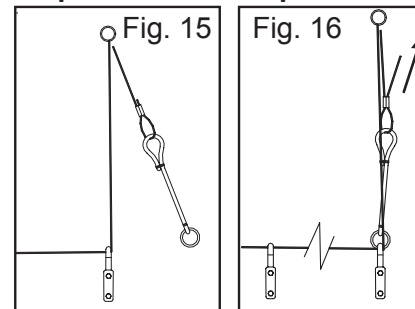
Note: First snap clip should not be used on long wheel base belly dumps.



Connect Bungee Cord to Rope

1. Thread braided rope through Oval Compression Sleeve.
2. Feed rope through the eye of the bungee cord.
3. Thread the rope back through the oval compression sleeve. Adjust for proper length. Crimp compression sleeve.

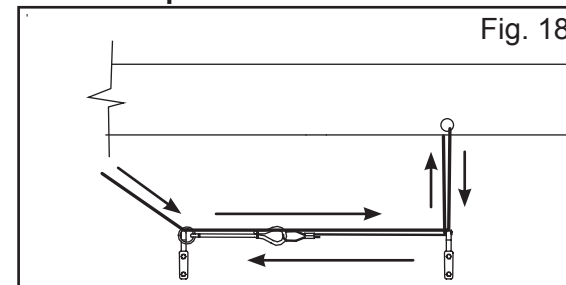
Tarps with Side Flaps



To tighten, pull loose end of rope through the Oval Compression Sleeve (Fig. 15). Stretch the bungee cord making sure all slack is taken out of the rope, crimp compression sleeve (Fig. 16).

Note: Check for proper placement of rope through the last two hooks.

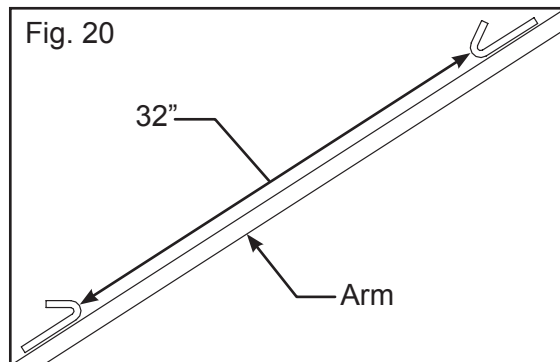
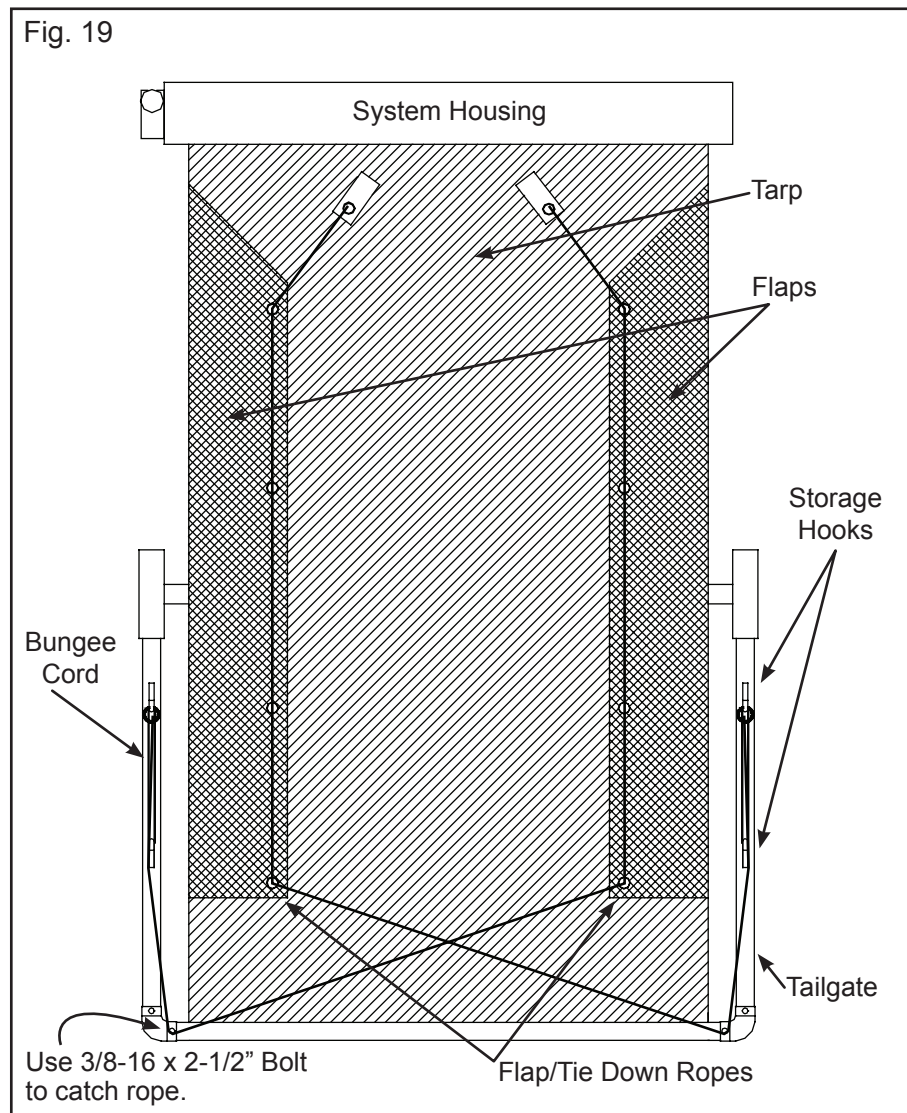
Excess Rope



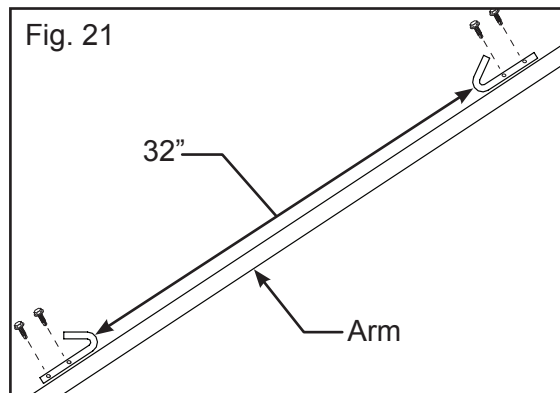
You may need extra rope to keep the side flap system ground operated. If your application requires extra rope, the slack needs to be taken up by attaching the end of the bungee cord to an alternate hook (Fig. 18).

Flap, Rope and Rope Hook Placement

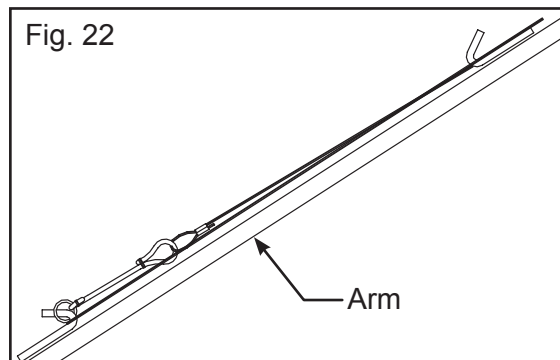
Step 11 - Flap / Tie Down Rope Placement and Installation (Fig. 19).



Step 12 - Rope Hook Placement: Weld rope storage hook on the top of the arms approx. 32" apart (Fig. 20).



Step 13 - Rope Hook Placement For Aluminum Arms: Use Self Drilling screws (part #506-9933) to install hooks (Fig. 21).

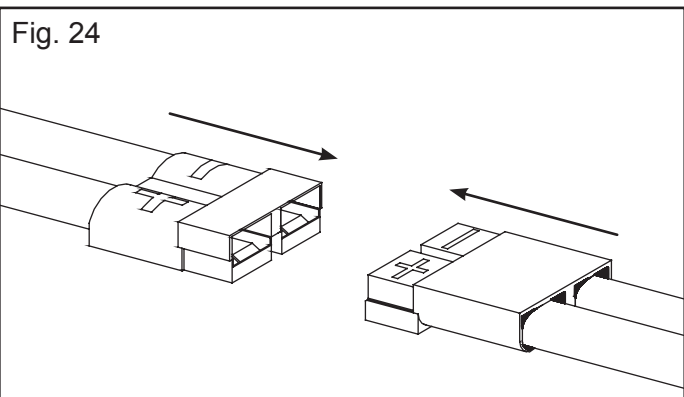
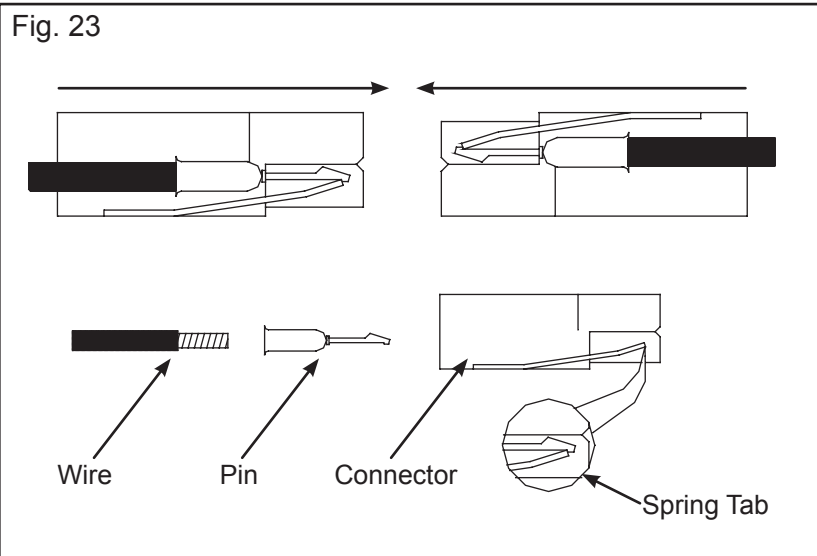


Step 14 - Rope storage on Arms (Fig. 22).

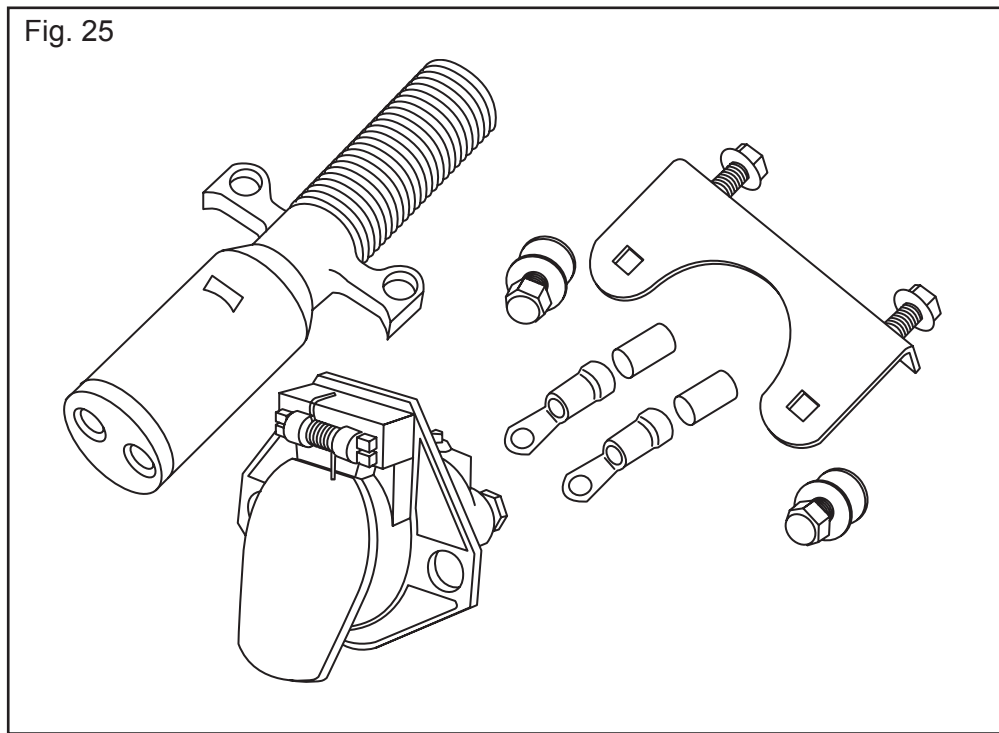
Plug Assembly

Step 15: Assemble the Quick Disconnect (Fig. 23, 24 & 25).

Option #1, Plug Assembly - Part # 514-0505.

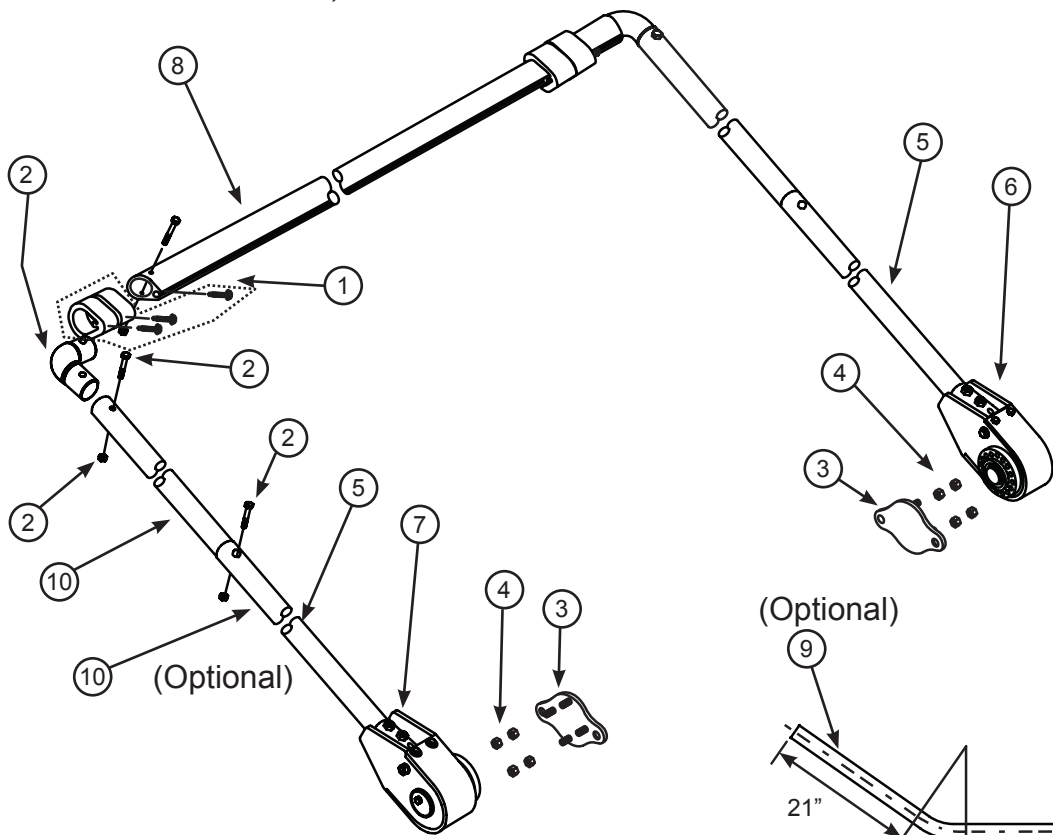


Option #2, Plug Assembly - Part # 514-0501.



Single Spring Pivots w/Aluminum Arms #501-1757, 501-1758 (with Wire 90' & 100')

(Illustration view shown looking
 from Passenger Side to
 Rear of Vehicle.)



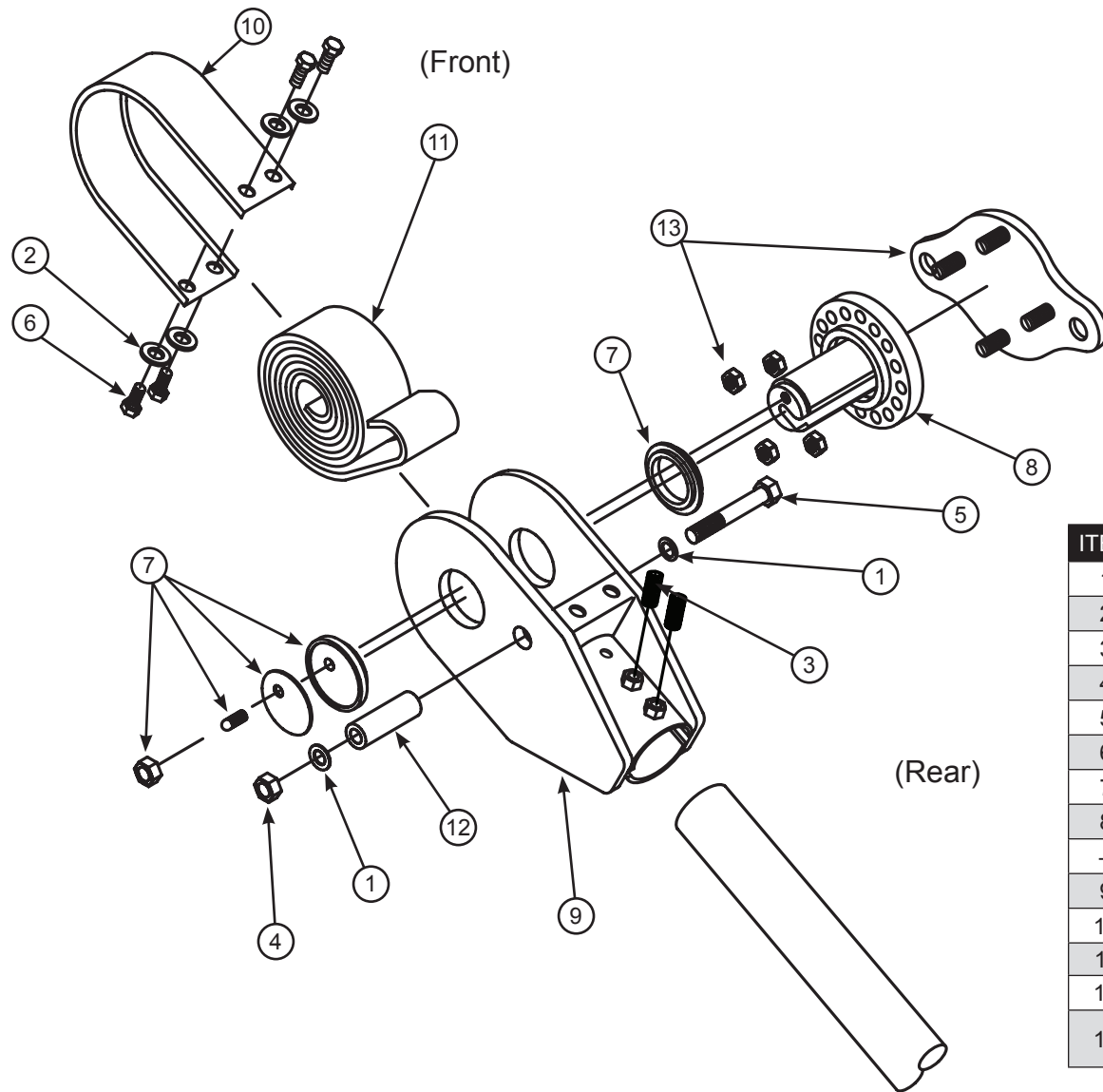
ITEM	PART #	DESCRIPTION	QTY
1	501-1293	Teardrop Bumper Kit	1
2	501-0791	Elbow Kit (For Alum. with Teardrop)	1
3	501-2235	EZ-Mount	2
4	504-3705	3/8" - 16 Nyloc Nut (Thin)	8
5	501-1209	Aluminum Lower Arm Tube	2
6	501-1101	Single Spring Housing (Driver)	1
7	501-1102	Single Spring Housing (Passenger)	1
8	501-0430	103" Universal Teardrop Pullbar	1

Options

ITEM	PART #	DESCRIPTION	QTY
9	501-1216	144" Aluminum Upper Arm Tube Bent	2
10	501-1212	144" Aluminum Upper Arm Tube	2

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Single Spring Housing Assembly #501-1101 (Driver-Shown), #501-1102 (Passenger-Opposite)



ITEM	PART #	DESCRIPTION	QTY
1	505-5001	1/2" AN Flat Washer	2
2	505-2502	1/4" Flat Washer USS	4
3	506-5008	1/2" - 13 x 3/4" Set Screw	2
4	504-5004	1/2" - 13 Nyloc Nut	1
5	503-5011	1/2" - 13 x 3-1/4"lg. HHCS Bolt	1
6	503-2503	1/4" - 20 x 1/2"lg. HHCS Bolt	4
7	501-1181	Bushing Kit	1
8	501-1119	Pivot Assembly (Driver)	1
--	501-1120	Pivot Assembly (Passenger-Not Shown)	1
9	501-1109	Spring Side Plate Assembly	1
10	501-1151	Arm Dust Cover	1
11	501-1156	Rolled Spring Assembly with Strip	1
12	501-1158	Spring Connection (Arm System)	1
13	501-2235	EZ-Mount	1

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