



1-Piece Aluminum External Arm Kit

INSTALLATION INSTRUCTIONS

**This instruction sheet is intended for use in conjunction with the
Waste Warrior™ Owner's Manual.**

PHONE: Shurco® MICHIGAN MANUFACTURING - 1.800.249.0297
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**SAFETY INSTRUCTIONS**

At Shurco®, your safety is our top priority. Please read and thoroughly understand all instructions before operating all equipment. Failure to READ AND FOLLOW INSTRUCTIONS may result in system failure, property damage, or personal injury. Pay close attention to warnings, cautions, and operating instructions. The hazard symbol  alerts users of potentially hazardous conditions, and is followed by Caution, Warning, or Danger messages to indicate risk:

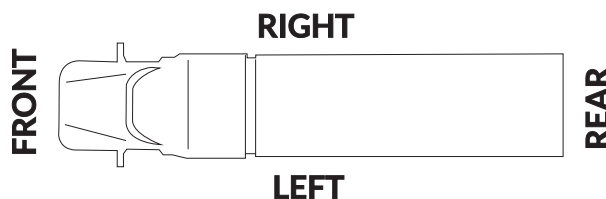
- **Danger**: (red) Indicates an imminently hazardous situation that, if not avoided, **WILL** result in death or serious injury.
- **Warning**: (orange) Indicates a potentially hazardous situation that, if not avoided, **COULD** result in death or serious injury.
- **Caution**: (yellow) Indicates a potentially hazardous situation that, if not avoided, **MAY** result in minor or moderate injury, or damage to the system.
- **Notice**: (blue) Indicates operational notes or other essential information without addressing safety.

Regularly inspect equipment to ensure proper performance. Always repair or replace worn or damaged parts immediately to maintain safety. Safety decals are placed at critical locations on equipment. Keep these decals clean and legible at all times. Replace any decal that is worn, damaged, painted over or otherwise unreadable. Replacement decals can be obtained by your local Shurco dealer.

- Always wear safety glasses during installation and operation.
- Stay clear of moving parts.
- No other use of Shurco equipment is authorized, except as designed.

SHUR-CO, LLC TERMS OF SERVICE**ORDER
TERMS AND CONDITIONS****WARRANTY****PATENTS****QUESTIONS?**

CALL OUR HELP LINE:

1-800-249-0297MONDAY-FRIDAY
8 AM-5 PM EASTERN TIME**VEHICLE ORIENTATION**

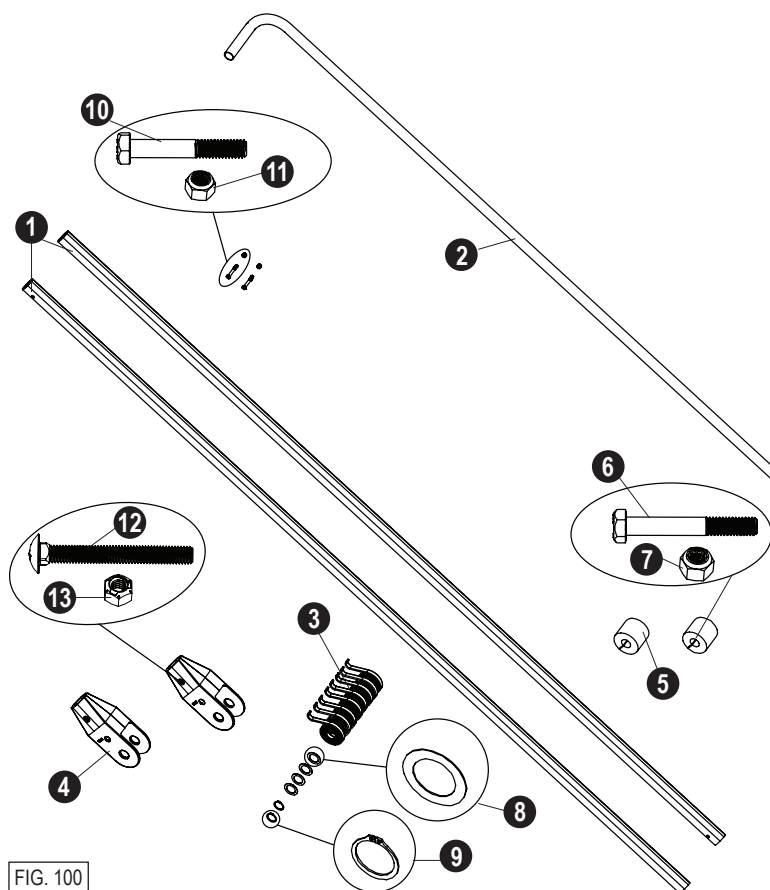


FIG. 100

Item	Part #	Description
1.	13633	Alum Arm - 1-piece -168"
	13722	Alum Arm - 1-piece -192"
	14801	Alum Arm - 1-piece - 210"
2.	14522	Steel Cross Tube - 1-piece
3.	11121	Flat Coil Torsion Spring
4.	13942	Lower Arm Casting
5.	13632	Rubber Centering Flange, 3", w/ Hdwr
6.	15109	Hex Cap Screw - 5/16" x 2" - Grade 5
7.	11229	Nylon Lock Nut - 5/16" - Grade 5
8.	11141	Bushing - Pivot Pin
9.	11142	Snap Ring - Pivot Pin
10.	11202	Hex Bolt - 5/16" x 2-1/4" - Grade 5
11.	11229	Nylon Lock Nut - 5/16" - Grade 5
12.	16348	Carriage Bolt - 3/8" x 3-1/4" Grade 5
13.	16345	Top Lock Nut - 3/8" - Grade 5

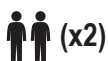
TOOLS

- Center punch
- Rubber mallet
- Saw / band saw
- Tape measure
- Marker
- Drill
- Drill bits: 11/32", 13/32"
- External snap ring pliers
- Ratchet handle
- Sockets: 1/2", 9/16"

⚠ WARNING

Tarp arms are under tension while torsion springs are engaged. Use caution when assembling and disassembling arms. Failure to read and follow instructions may result in serious injury or death.

NOTICE: This installation requires two people for safe and efficient completion.

**STEP 1: ASSEMBLE SPRINGS**

- Install a **bushing (8)** onto the pivot pin.
- Slide the first **arm casting plate (4)** onto the pivot pin.
- Install the **springs (3)** one at a time. Ensure each **spring tab** inserts into the pivot pin slot. Align the arm plates and springs as shown for the right side in Figure 101 and the left side in Figure 102.

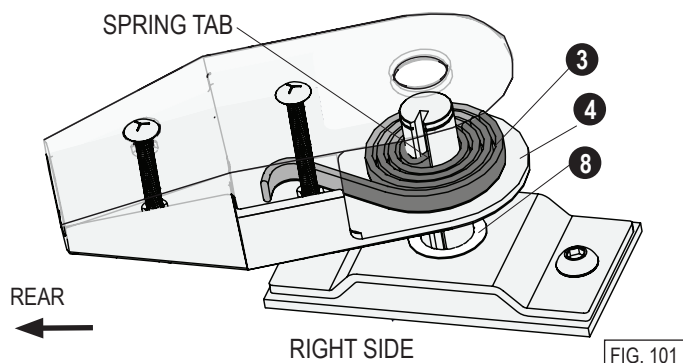


FIG. 101

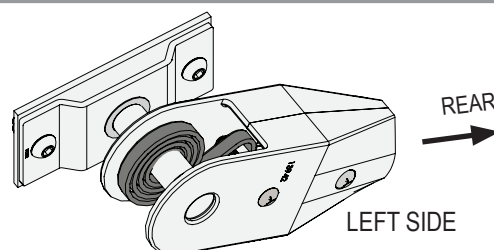


FIG. 102

STEP 2: SECURE SPRINGS

- Slide the second **arm casting plate (4)** onto the pivot pin.
- Install another **bushing (8)**, followed by a **snap ring (9)**. See Figure 103.

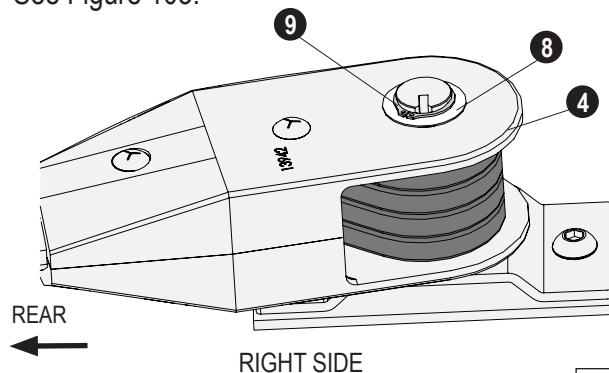


FIG. 103

STEP 3: MEASURE ARM LENGTH

Measure distance "M" from the center of the rubber bumper on the gantry to the center of the pivot pin. See Figure 105.

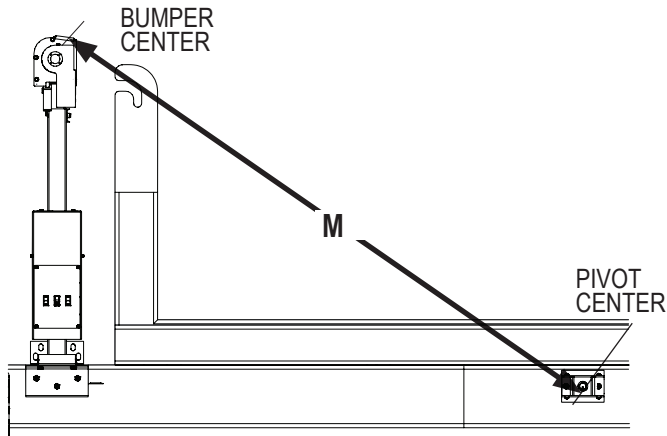


FIG. 105

STEP 4: PREPARE ARMS

- Calculate the arm length by subtracting 5-inches from "M", then cut each **arm (1)** to size.
- Measure 1-3/4-inches inward from end of **arm (1)** and mark the center of the tube. Drill holes using an 13/32-inch drill bit.

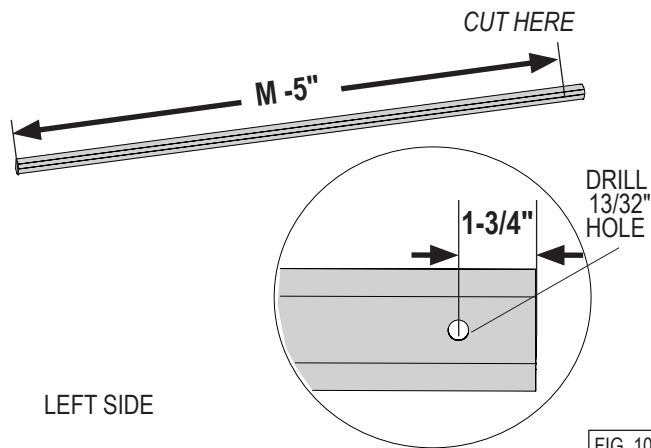


FIG. 106

STEP 5: SECURE ARMS

- Remove **bolt (12)** and **nut (13)** from the **lower arm casting (4)**, as shown in Figure 107.
- Insert the **arm (1)** into the **lower arm casting (4)** and secure with **bolt (12)** and **nut (13)**.

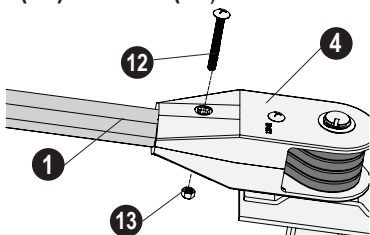


FIG. 107

NOTICE: Arm lengths must match within 1/4 inch for the tarp to roll properly.

STEP 6: PREPARE TARP & AXLE

- Unbox and unfold the tarp. When installed, the outer webbing reinforcement must face downward. The front of the tarp has five evenly spaced grommets. The rear of the tarp has a 5-inch sewn pocket.
- On the tarp axle, loosen the pre-installed hardware and space the **bolts (AA)**, **washers (BB)** and **nuts (CC)** evenly along on the axle slot. See Figure 108.

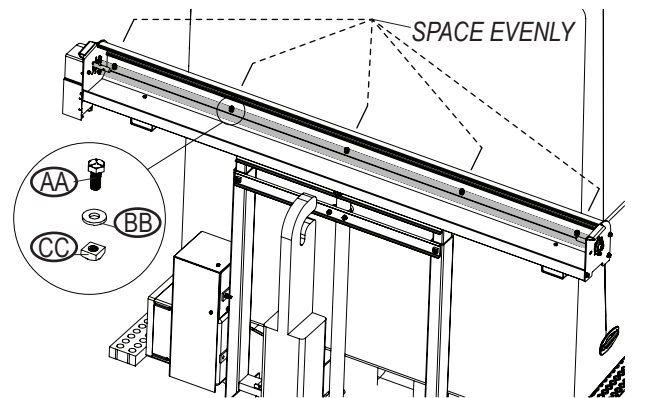


FIG. 108

STEP 7: INSTALL TARP TO AXLE

- Remove **bolts (AA)** and **washers (BB)** from the axle slot. Align the front **tarp grommets** with **nuts (CC)** in the axle slot. Install the bolts and washers, but do not tighten.
- Straighten and center the tarp between the axle end plates. Starting at the center and working toward each end, pull the tarp taut and tighten each set of hardware as you go, ensuring the tarp remains centered.

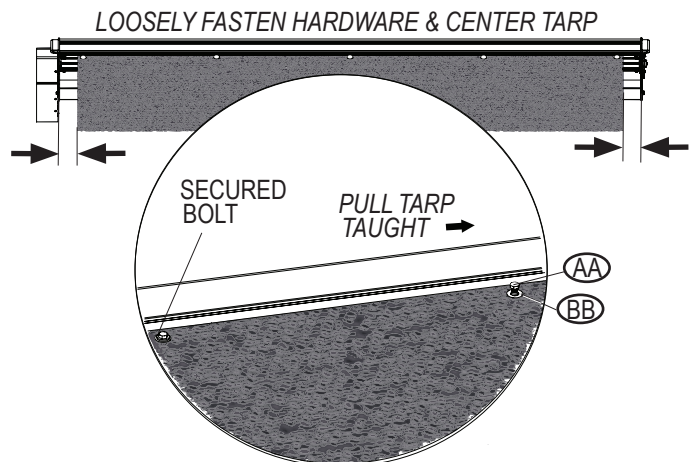
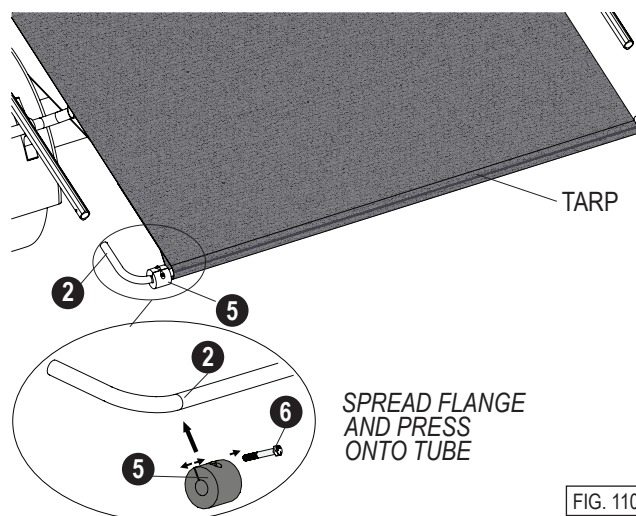


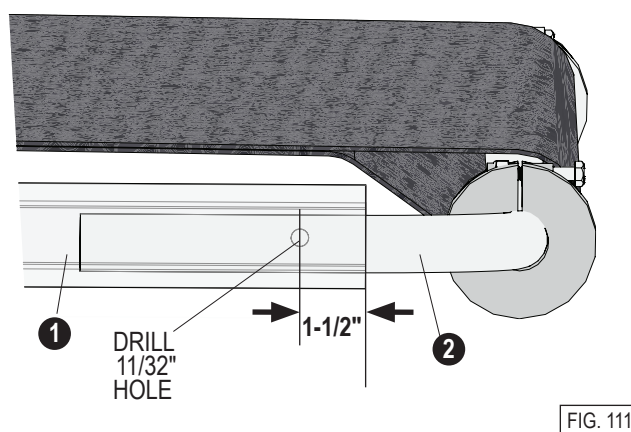
FIG. 109

STEP 8: INSTALL TARP & FLANGES

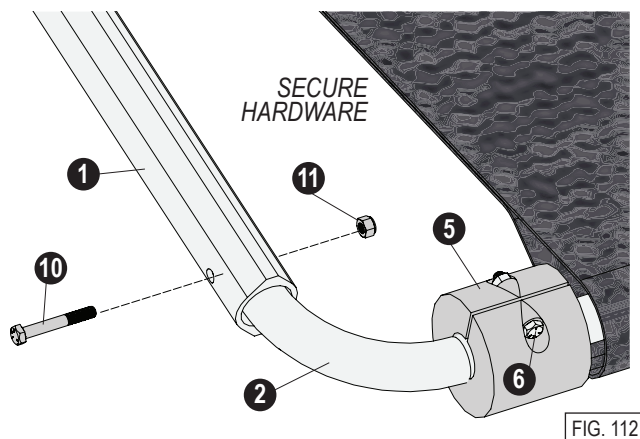
- Insert the **cross tube (2)** through the rear tarp pocket.
- Remove **cap screws (6)** from the **centering flanges (5)**,
- Slightly spread a **flange (5)** at the seam and slide over each corner of the **cross tube (2)**.

**STEP 9: PREPARE CROSS ARM**

- Insert the **cross tube (2)** fully into each **arm (1)**.
- Measure 1-1/2-inch inward from the end of **arm (1)** and mark the center of the arm. Drill a 11/32-inch hole through the arm and cross tube. See Figure 111.

**STEP 10: INSTALL REAR CROSS TUBE**

- Secure the **arms (1)** to the **cross tube (2)** with **bolts (10)** and **nuts (11)**, as shown in Figure 112.
- Ensure the tarp is centered. Adjust the **centering flanges (5)** to the tarp edge to keep the tarp centered on the cross tube. Reinstall **bolt (6)** into both flanges.



Continue to *Wiring Instructions* in the Waste Warrior Owner's Manual.

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