

ARMS Assembly

Materials:

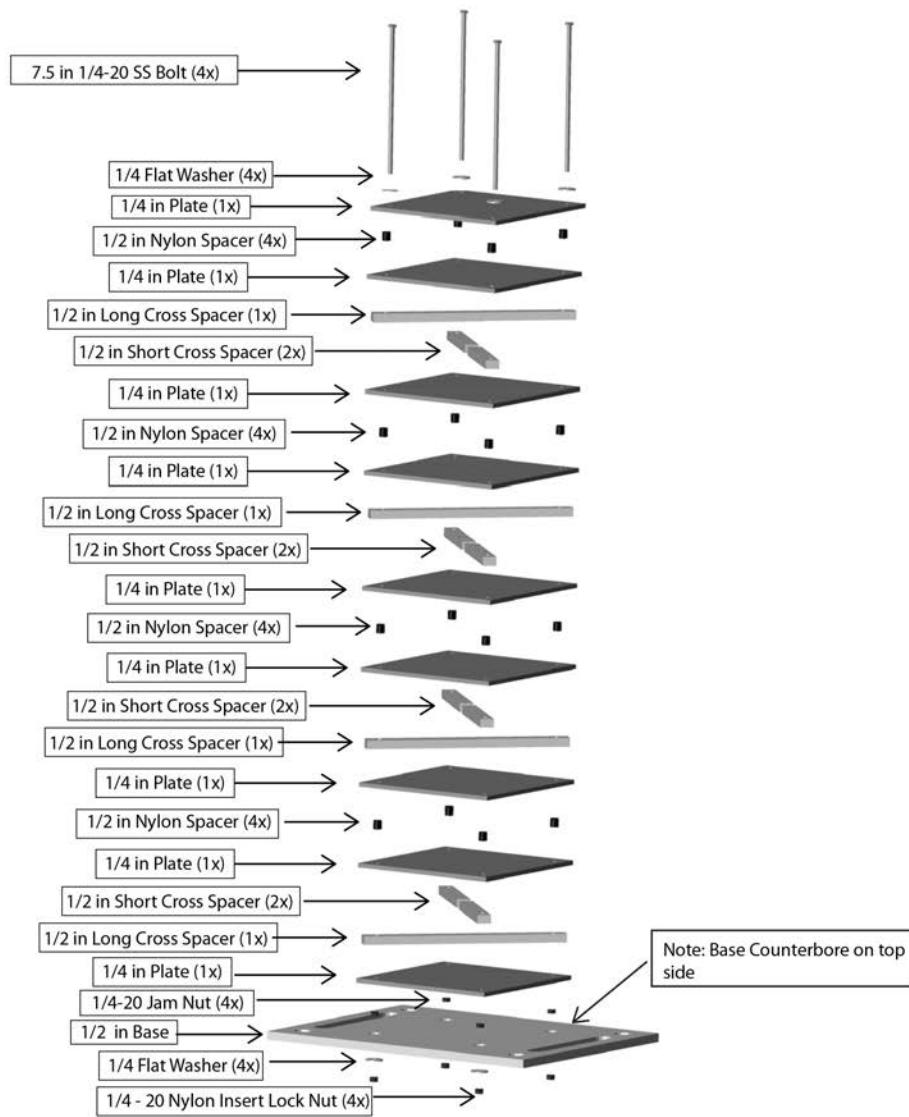
- 1 x PVC base plate (45cm x 35cm x 1.27cm)
- 9 x PVC layer plates (22.5cm x 22.5cm x 0.63cm)
- 4 x PVC long cross spacers (30cm x 2cm x 1.27cm)
- 8 x PVC short cross spacers (14cm x 2cm x 1.27cm)
- 4 x 7½ or 8-inch stainless steel bolts – 2" thread length
- 16 x ½-inch long Nylon spacers
- 12 x ¼-inch stainless steel washers
- 4 x ¼-inch stainless steel nuts
- 4 x ¼-inch stainless steel nylon insert locknuts
- 2 7/18-inch wrenches
- Silicon grease or Aqualube/Aquashield™

Procedure:

1. Dip the tips of the bolts in silicon grease. Place a washer on each of the stainless steel bolts and run the four washer/bolt pairs through the four corners of a single layer plate. Invert the plate so the bolt heads and washers are underneath and the bolts are sticking up through.
2. Slide a nylon spacer onto each bolt and add a second layer plate. This creates an open layer.
3. Slide a long cross spacer onto two bolts in opposite corners. Place a short cross spacer on each of the two remaining bolts in a way that they make contact with the long spacer at a right angle. Add a third layer plate to create a closed layer.
4. Repeat steps 2 and 3 to alternate between open and closed layers until there are four of each.
5. Once the fourth closed layer is complete, put silicon grease to the threads of the bolts and add a washer and a nut to each bolt; tighten securely.
6. Place the base plate on the bolts with the counter sunk side down. Add a washer and the locknut and tighten securely.
7. Invert the ARMS structure so the base plate is on the bottom. It is now fully assembled.

*Note: the layer directly above the base plate should always be a closed layer. The plate in contact with the base plate is the plate #1.

Illustrations:



Drawn by: D. Merritt

