

ARRAS TREADLE KIT™

ASSEMBLY



ARRAS LOOM, ARRAS STAND, AND ARRAS BEAM KIT ALL SOLD SEPARATELY.

ASSEMBLING THE TREADLE KIT WITH THE STAND

You can install the Treadle Kit as you assemble your Arras Stand. Follow the instructions given in the Arras Stand manual, adapting as follows:

- Follow Stand assembly Steps 1 through 5.
- Before attaching the treadle support to the Stand legs, install treadles as in Steps 1 through 3 in this manual.
- Follow the remaining Stand assembly steps to install the loom on the stand.
- Return to this manual, following Steps 4 to the end.



Find out more at [schachtspindle.com](https://www.schachtspindle.com)
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PARTS

1X	metal treadle bar
1X	left treadle block
1X	center treadle block
1X	right treadle block
6X	treadle dowels
2X	treadle extensions
1X	left treadle
1X	right treadle
1X	transfer beam
1X	transfer cam
2X	transfer beam extensions
2X	extended heddle rod supports
1X	metal transfer rod
2X	treadle cords
4X	arrow pegs
3X	#8 x 1-1/2" Phillips truss head sheet metal screws
2X	1/4-20 x 3" hex bolts
2X	1/4" nylon washers
2X	#12 SAE washers

2X	1/4-20 slim lock nuts
1X	8-32 x 5/8" Phillips truss head machine screw
2X	knobs with 1-1/4" shafts
2X	cotter pins
2X	clevis pins
4X	#12 SAE washers
1X	cord guide block with empty holes
1X	cord guide block with hardware
2X	1/4-20 x 2-1/4" Phillips truss head machine screws
2X	3/4" nylon spacer

TOOLS REQUIRED

#2 Phillips screwdriver
7/16" and 3/8" wrenches or two adjustable wrenches

You will also need the assembly manual for the Arras Stand, available at schachtspindle.com



Phillips truss head machine screw



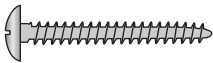
nylon spacer



washer



slim lock nut



Phillips truss head sheet metal screw



arrow peg



clevis pin



cotter pin



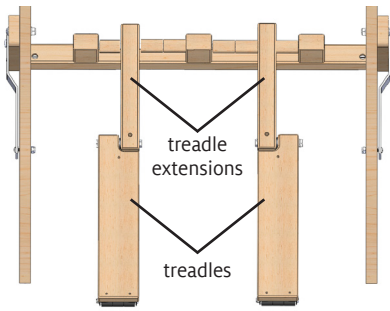
hex bolt

ASSEMBLY

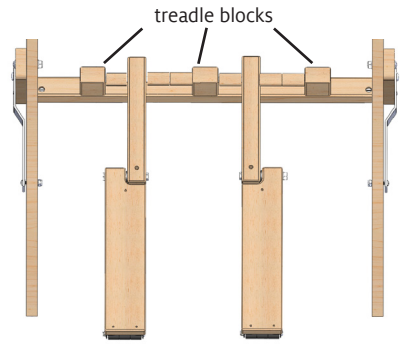
NOTE: Do not install the Treadle Kit on a warped Arras Tapestry Loom—you will remove parts from the shedding device.

You can assemble the Stand and the Treadle Kit at the same time, or the Arras Loom (with or without the beam kit) can be mounted on the Stand already.

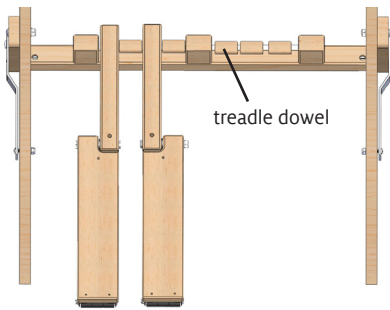
Before you begin, choose how you want to space the treadles. You can set them up in any of the layouts shown here, and if you change your mind after using the treadles for a while, it's not difficult to remove them, rearrange them, and reinstall them. The left, center, and right treadle blocks cannot be switched or moved. You may not need all the dowels for some layouts.



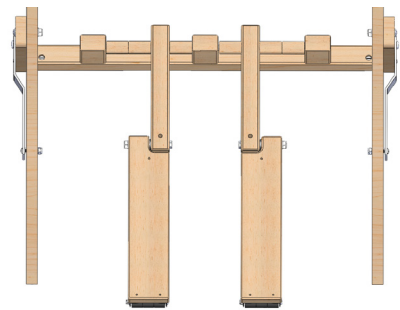
wide spacing



asymmetrical



one side



narrow spacing

INSTALL THE TREADLES

1. Lay the stand on its back so you can reach the underside of the treadle support. Identify the center treadle block—it has a large hole going all the way through for the metal treadle bar—and the pilot hole for attaching it to the treadle support (Figure 1A). Using a #8 x 1-1/2" Phillips truss head sheet metal screw, attach the center block so that its inner face is flush with the inner edge of the treadle support. Slide the metal treadle bar through the large hole in the center treadle block (Figure 1B). Add treadle extensions and treadle dowels on each side of the center treadle block, in your preferred arrangement.

2. Add the left and right treadle blocks, making sure their inner faces are flush with the inner edge of the treadle support, at the ends of the metal treadle bar. Attach these

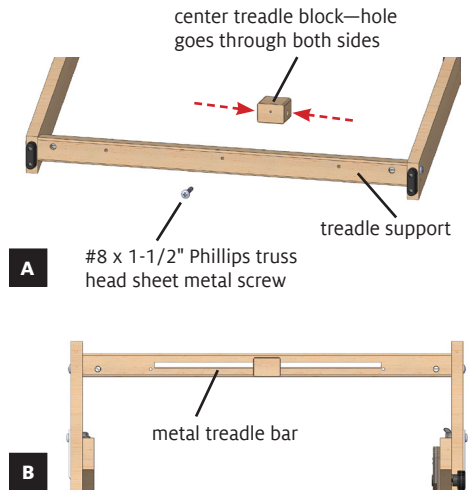


FIGURE 1: ATTACH CENTER TREADLE BLOCK

treadle blocks with #8 x 1-1/2" Phillips truss head sheet metal screws (Figure 2). If you wish to rearrange treadle extensions and dowels, you only need to remove the left and right treadle blocks, move treadle extensions and dowels, then reattach the left and right treadle blocks.

3. Attach the treadles to treadle extensions: Identify the left and right treadles (Figure 3). Insert a 1/4-20 x 3" hex bolt through one treadle from its inner side, as shown in Figure 3. Add a 1/4" nylon washer to the shaft of the bolt, insert through the treadle, and add a #12 SAE washer. Secure with a 1/4-20 slim lock nut, tightening them and then loosening a quarter turn. Repeat with the remaining treadle and treadle extension.

4. Push an arrow peg into the first full loop of a treadle cord (Figure 4). From the underside of the treadle extension, insert the cord up through the hole. Repeat with the other treadle extension. Set the stand upright.

INSTALL THE TRANSFER BEAM

The metal transfer rod and extended heddle rod supports will be installed on the **handle side** of the shedding device. If your loom has the handle on the left, you do not need to change it.

NOTE: You'll remove some knobs and other parts from the Arras Tapestry Loom. Store all these parts so you can re-install if you take the loom off the stand.

5. Set the shedding device handle in neutral position, with the handle parallel to the floor. Remove the O-rings from the heddle rods and slide both rods out of the heddle rod supports on the handle side (Figure 5). From the back of the loom, remove the screw holding this heddle rod support in place and save it for the next step. Remove the heddle rod support and store it.

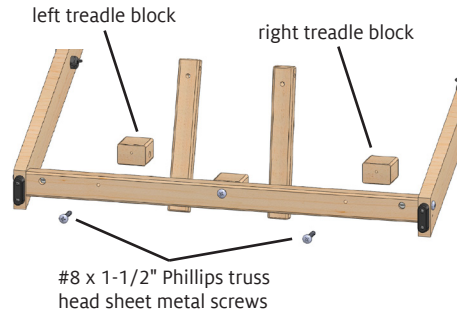


FIGURE 2: ATTACH LEFT AND RIGHT TREADLE BLOCKS

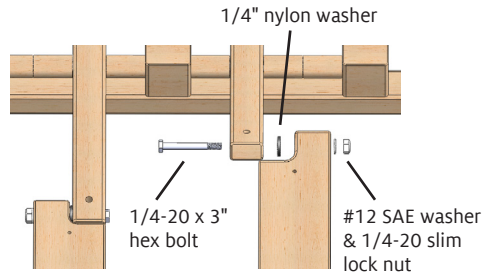


FIGURE 3: ATTACH TREADLES TO TREADLE EXTENSIONS

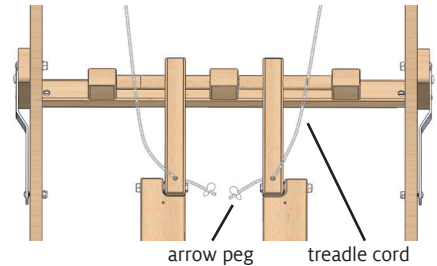


FIGURE 4: INSTALL TREADLE CORDS

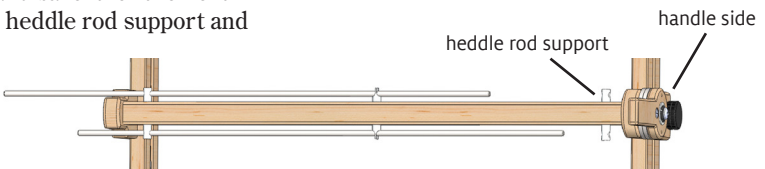


FIGURE 5: REMOVE ROD SUPPORT ON HANDLE SIDE

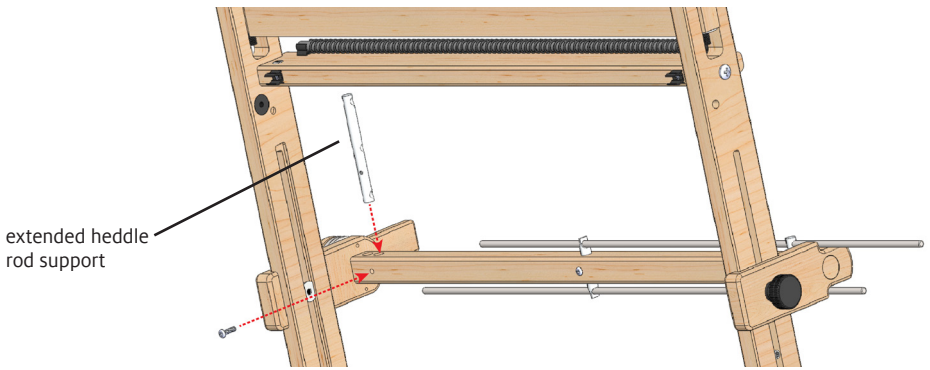


FIGURE 6: INSTALL EXTENDED HEDDLE ROD SUPPORT IN SHEDDING DEVICE

6. Install one extended heddle rod support in its place, with the longer end at the top as shown in Figure 6, and use the screw from Step 5 to attach it. Slide the heddle rods back into the extended heddle rod support and secure the rods with O-rings.

If your loom is not already installed on the stand, install it now. Set the loom and the shedding device at the height you prefer for weaving.

7. Attach the first transfer beam extension: On the handle side of the shedding device, remove the knob, nylon washer, and T-nut holding the riser in the slot of the loom upright; store these parts. Insert a knob with a 1-1/4" shaft through the riser and slot (Figure 7). Add one transfer beam extension on the inside of the loom, with its large hole at the back of the loom, and tighten the knob.

8. Identify the transfer beam, a square beam with two rounded ends and a large hole at one end. Insert one extended heddle rod support through the large hole; secure with an 8-32 x 5/8" Phillips truss head machine screw. Turn the transfer beam so the longer end of the extended heddle rod support is at the top, as shown in Figure 8.

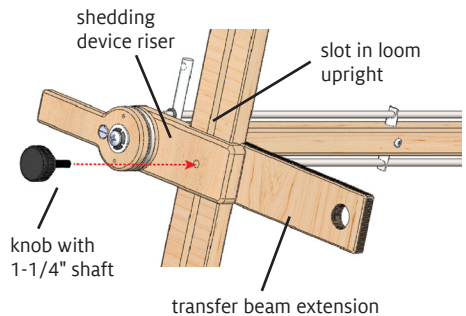


FIGURE 7: ATTACH TRANSFER BEAM EXTENSION ON HANDLE SIDE

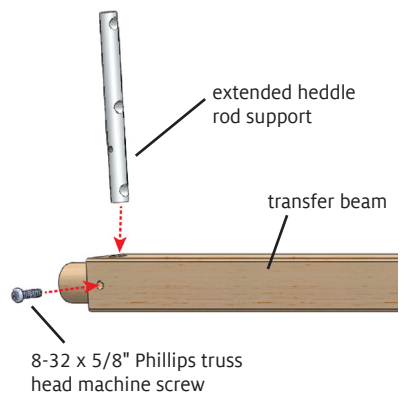


FIGURE 8: INSTALL EXTENDED HEDDLE ROD SUPPORT IN TRANSFER BEAM

9. Orient the transfer cam so the long ends of the oval are parallel to the floor and slide it to the center of the transfer beam (Figure 9A). Place the end of the transfer beam into the installed transfer beam extension, with the extended heddle rod support next to the extension and its longer end at the top (Figure 9B).

10. Attach the second transfer beam extension: On the open side of the shedding device, remove the knob, nylon washer, and T-nut holding the riser in the slot of the loom upright; you can store these parts. Insert a knob with a 1-1/4" shaft through the riser and slot; add the remaining transfer beam extension on the inside of the loom, with its large hole holding the transfer beam, and tighten the knob (Figure 10).

11. Attach the metal transfer rod to the extended heddle rod supports: From inside the loom, insert a clevis pin through the hole in one end of the metal transfer rod (Figure 11A). Add a #12 SAE washer, then insert through the top hole of an extended heddle rod support. Add another #12 SAE washer and secure with a cotter pin. Repeat at the other end of the metal transfer rod.

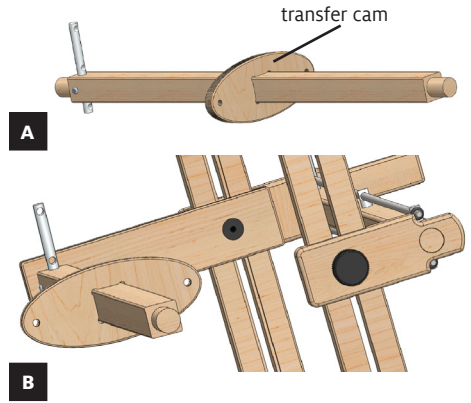


FIGURE 9: INSTALL TRANSFER CAM AND BEAM

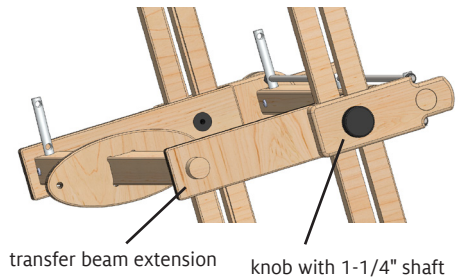


FIGURE 10: ATTACH TRANSFER BEAM EXTENSION ON OPEN SIDE

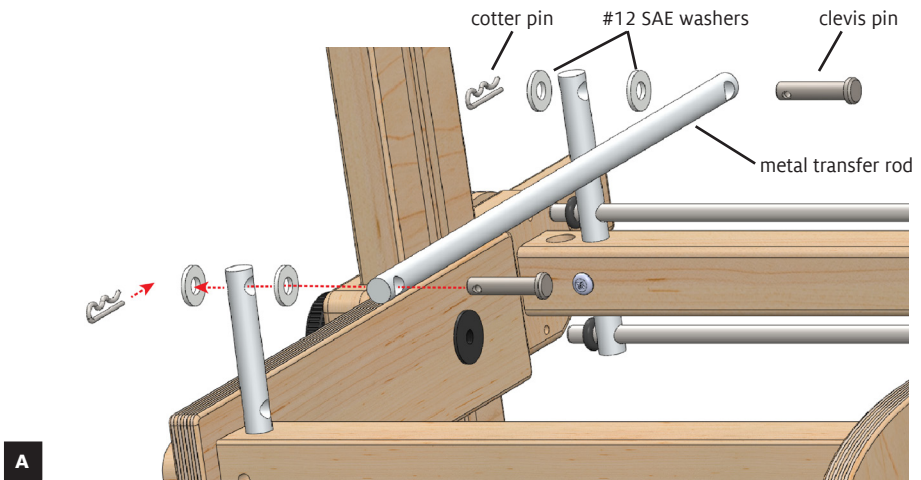


FIGURE 11: INSTALL THE METAL TRANSFER ROD

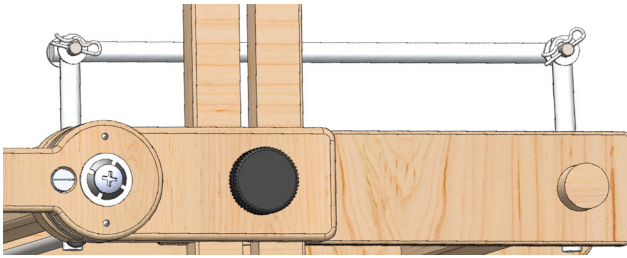
B

FIGURE 11: INSTALL THE METAL TRANSFER ROD

INSTALL THE CORD GUIDE

(FOR LOOMS WITH THE BEAM KIT—
OTHERWISE SKIP TO STEP 15)

12. Attach the cord guide blocks: One cord guide block has two empty holes; the other has a hex bolt attached to it and two holes with black nuts. Insert one 1/4-20 x 2-1/4" Phillips truss head machine screw through a hole in the "empty" block. Add the 3/4" nylon spacer to the shaft (Figure 12A). Attach the screw loosely into the nut of the other cord guide block. Set the spacer on top of the cross brace of the beam kit, with the hex bolt at the front of the brace (Figure 12B). Center the cord guide between the treadles.

13. Insert the remaining 1/4-20 x 2-1/4" Phillips truss head machine screw through the other hole in the "empty" block (Figure 13). Add the remaining 3/4" nylon spacer to the shaft. Attach the screw into the nut of the other cord guide block, then tighten both screws going into this block.

14. Pull the treadle cords up from the treadles and run them between the hex bolt and the cross brace (Figure 14).

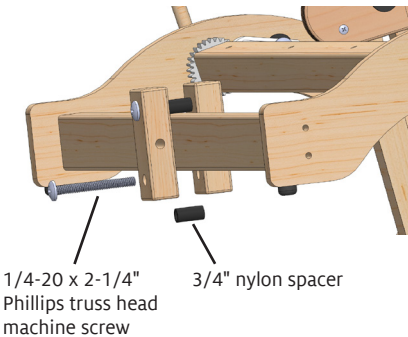


FIGURE 13: INSTALL CORD GUIDE ON BRACE

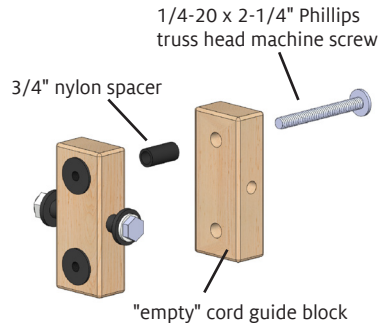
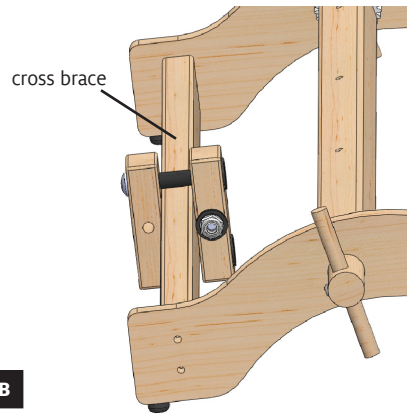
**A****B**

FIGURE 12: ATTACH CORD GUIDE BLOCKS

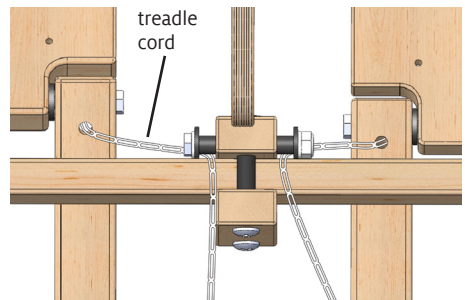


FIGURE 14: RUN CORDS THROUGH CORD GUIDE

ATTACH THE TREADLE CORDS TO THE TRANSFER CAM

15. Set the shedding device in neutral, so the transfer cam's long ends are parallel to the floor. Insert the free end of a treadle cord through a hole in the transfer cam (it doesn't matter which hole). Pull on the cord until its treadle extension rises about 3" from the floor. Slide an arrow peg through the treadle cord to hold the treadle at this height (Figure 15). Connect the remaining treadle cord in the same way through the other hole in the transfer cam.

16. Test the height of the treadles and adjust them to the height you prefer by moving the arrow pegs to different places in the treadle cords. If your shed is too large and the metal transfer rod jams the shed open, increase the length of the cords. Decrease the length if your shed is too small.

NOTE: Whenever you adjust the height of the loom on the stand, or the position of the shedding device on the loom, you will need to adjust the treadle cord lengths.

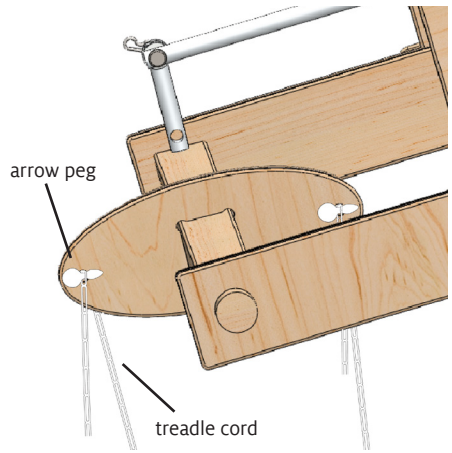
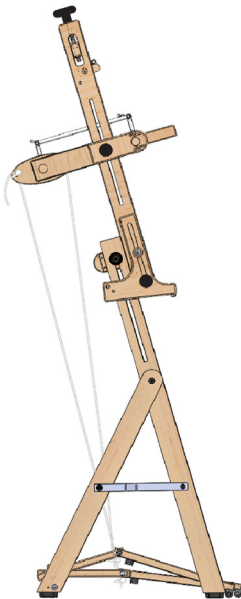
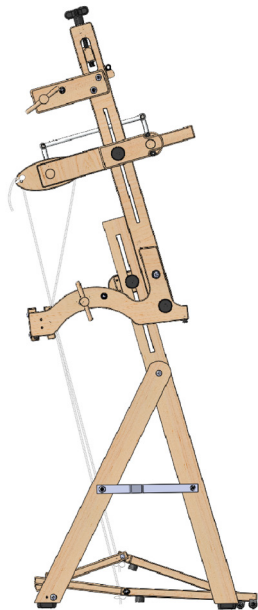


FIGURE 15: ATTACH CORDS TO TRANSFER CAM



ARRAS LOOM, STAND, AND TREADLE KIT



ARRAS LOOM WITH BEAM KIT, STAND, AND TREADLE KIT