



AVL LOOMS

AVL Looms, Incorporated

2360 Park Avenue, Chico, California 95928-8305

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Spool Rack Assembly Instructions

Spool Rack Parts List:

QTY	NAME	DESCRIPTION
1	<i>Top</i>	Wood plank with 7 holes, 5 of which are countersunk on top side
1	<i>Bottom</i>	Wood plank with 9 holes, 5 of which are countersunk on bottom side
2	<i>Foot</i>	Short wood plank with angled cuts
8	<i>Thread Guides</i>	Wood plank with 13 inserted plastic ferrules
5	<i>Vertical</i>	Wood plank similar to Thread Guides, but without plastic guides
26	<i>Spool Axle</i>	Metal rod, 20 5/8" long
2	<i>Axle Stop Rod</i>	Metal rod with cap at top end, 43 5/8" long
1	<i>Hardware Pack</i>	Hardware used in assembly

Assembling the spool rack will require a medium sized Phillips screwdriver and a 1/2" or adjustable wrench.

Please read each step in its entirety before attempting to accomplish the step. Also, please loosely tighten all hardware during the assembly process, and then perform final alignment and tightening as your last step.

Assembly Steps:

- (1) Set aside an area to assemble your AVL Spool Rack. A large table is best, but the floor is always an option.
- (2) Unpack all items from the AVL box. Carefully sort through the items identifying them using the parts list (above) and accompanying illustration on the next page of this instruction.
- (3) Assemble the five (5) *Vertical* parts to the *Top* part using five (5) flathead screws and five (5) square nuts from the *Hardware Pack* as pictured in **Detail #1** of the the accompanying illustration.

NOTES:

- (a) The countersinks in the *Top* part face up and away from the *Vertical* parts.
- (b) The flathead screw head mates with the countersink in the *Top* part.
- (c) The unrounded edge of the square nut is oriented to 'bite' into the *Vertical* wood during tightening.
- (d) *Vertical* parts are symmetrical allowing for either orientation.



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- (e) *Top* and *Bottom* parts contain holes located on one edge that correspond to the mounting of the *Thread Guide* parts. The holes must be oriented on the same side to allow for proper mating with the *Thread Guide* parts.
- (4) Move to the opposite end of the assembly and perform the same operation adding the *Bottom* part to the assembly using five (5) flathead screws and five (5) square nuts from the *Hardware Pack* as pictured in **Detail #1** of the accompanying illustration. Make sure that you orient the *Thread Guide* mounting holes on the *Bottom* part on the same side as the *Thread Guide* mounting holes on the *Top* part.
- (5) Assemble the eight (8) *Thread Guide* parts to the assembly using thirty-two (32) plastic spacers and sixteen (16) wood screws from the *Hardware Pack* as pictured in **Detail #2** in the accompanying illustration.

NOTES:

- (a) The plastic ferrules in the *Thread Guides* face outward.
- (b) The plastic ferrules in the *Thread Guides* are offset towards the top (i.e. the short end attaches to the *Top* part).
- (f) As noted previously, the *Top* and *Bottom* parts have holes located on one edge that correspond to the mounting of the *Thread Guide* parts. These holes must be aligned on the same side of the assembly.

Place a screw into each end of the two holes in a *Thread Guide*, top and bottom. Slide two (2) plastic spacers over each screw. Rotate the screws into the corresponding pre-drilled holes in the *Top* and *Bottom* parts to secure the *Thread Guide* to the assembly.

Complete this procedure for the remaining *Thread Guides*.

- (6) Orient the *Foot* parts so that the access holes face inside. Use one (1) hex bolt, one (1) flat washer, and one (1) square nut each side to attach the *Foot* parts to the assembly.
- (7) Perform final hardware tightening and stand your AVL Spool Rack on its feet.
- (8) Install the twenty-six (26) *Spool Axles*, inserting thirteen (13) axles per end. The Spool Rack is designed to carry up to 104 standard AVL 3" Spools, eight across and thirteen down. There is a separate plastic ferrule in the *Thread Guide* for each spool.
- (9) Insert the two (2) *Axle Stop Rods* from the top, one per side. The *Axle Stop Rods* keep the *Spool Axles* in place during use.

Once you have wound your spools with yarn, you may add them to your Spool Rack. Add as many or as few as you need by removing the appropriate *Axle Stop Rod*, withdrawing the selected *Spool Axle* and sliding on your wound spools.



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Spool Rack Assembly Illustration

