



AVL LOOMS

AVL Looms, Incorporated

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Workshop Dobby Loom Plastic Ratchet/Beam-End Replacement Procedure

Tools you will need:

- Hammer
- Vise Grips
- Drill Motor
- 19/64" dia. Drill Bit
- 1/4" dia. Punch with a flat bottom/non-tapered (a 1/4" bolt may be used)

Instructions:

- 1) *Removing the spring pin from the beam – ratchet/beam-end assembly.*
 - a) Remove the sandpaper beam from the loom.
 - b) Remove the tape at the ratchet end, then slowly unwind the sandpaper, just far enough to expose both ends of the spring pin. If the double-sided tape under the sandpaper is covering the spring pin, remove only enough tape to uncover both ends of the spring pin.
 - c) Secure the beams so that they will not move when you pound on the spring pin. To prevent denting or scratching, use padding when securing the beams.
 - d) Secure the beams so that one end of the spring is on top. Make sure nothing is under the other end of the spring pin.
 - e) Hold the 1/4" punch on the top of the spring pin, making sure that the punch sits on the outer edges of the spring pin. Holding the punch firmly, carefully pound out the spring pin with your hammer. Note: If your punch is too small, the punch will slip inside the spring pin and spread the spring pin making removal more difficult.
- 2) *Remove the plastic ratchet from the beam end.*
 - a) Using the Vice Grips, grasp the metal beam end that sticks out of the middle of the plastic ratchet.
 - b) Carefully work the assembly out of the end of the beam. If the assembly does not come out, use the hammer and punch again. Working from the inside edge of the ratchet and being careful not to hit the beam, slowly tap around the diameter of the plastic ratchet with the hammer and punch to work the assembly out of the end of the beam.
- 3) *Install the new ratchet/beam-end assembly.*
 - a) When installing the ratchet/beam-end assembly, push only on the plastic ratchet part of the assembly.
 - b) If the assembly will not insert by hand, use your hammer. Tap only on the plastic ratchet portion of the assembly.
 - c) Insert the new assembly so that the ratchet and the beam are flush with each other.
 - d) Using the 19/64" dia. Drill bit, carefully drill down thru the entire hole. Use the hammer to tap the spring pin into place.