

**AVL FULL-FRAME CLOTH STORAGE RETROFIT INSTRUCTIONS (1/03)
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- 1) Begin at the front of the loom.
- 2) Lock the cloth storage weight in place at the top of the front vertical.
- 3) Clip the cords attached to the drum above the weight. Be sure to hold firmly to the cord connected to the cloth storage drum at the back of the loom.
- 4) Slowly release the tension, if any, on the cord.
- 5) Remove the top/front drum. This requires a 1/8" allen wrench.
- 6) Remove the top of the weight track with a large screwdriver.
- 7) Remove the cloth storage weight.
- 8) Remove the entire cloth storage weight track with a screwdriver. Leave the bottom stop in place unless you are going to replace the bolts holding the front vertical to the lower front. Re-attach the seat using the bolts provided. Use one 4-1/4" hex bolt and one 2-1/2" carriage bolt (refer to the sheet).
- 9) Remove the upper cloth storage weight stop. This requires a 3/32" allen wrench.
- 10) Drill a 11/64" hole for the pawl on the inside of the top horizontal. Refer to the drawing, measure twice, check to make sure it is right, and then drill no more than 1" deep.
- 11) Install the new drum (marked "30", without a cord wound on) and ratchet by first inserting the plastic bushing into the existing hole from the outside of the top horizontal. Then push the axle through the bushing and secure the ratchet (the one without a hub attached) with the 3/32" allen screw on the inside of the frame. Be sure the set screw lines up with the flat spot on the axle.
- 12) Move to the back of the loom.
- 13) Remove the cloth storage beam by angling the beam out.
- 14) Remove the pawl from the rear. Re-install it on the front in the 11/64" hole previously drilled.
- 15) Install the pawl with a screwdriver so that it moves freely and move the pawl to the locked position.

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- 16) Remove the rear drum and ratchet assembly by loosening the 1/8" allen screw. Watch out for the clock spring inside the drum.
- 17) Remove the pin sticking out of the rear vertical. Be sure to use a backing material so as not to mar the finish on the wood.
- 18) Install the new drum (marked "29" with a cord pre-wrapped) by inserting bushing (if necessary), then the axle through the hole from the outside of the rear vertical. Secure the hub with a 3/32" allen screw on the inside of the loom. Be sure the set screws line up with the flat spot on the axle. Also be sure the drum turns freely.
- 19) Re-install the cloth storage beam.
- 20) Remove the pulley just below the new rear drum and replace the bolt with a new one (3-1/4" Hex) provided.
- 21) Refer to the drawing (Figure #1) and drill new holes through the side frame where necessary. Use a 11/32" drill bit and use a wood block secured with a clamp to the backside of the holes.
- 22) First, drill the two holes near the end of the top horizontal.
- 23) Then inspect the location of the dobbie head, dobbie arm, beater legs and/or arms, and any other accessories to determine the location of the pulleys near the dobbie on the top horizontal and directly below (offset for alignment) on the bottom horizontal. The bottom hole should be the same distance from the floor as the existing pulley near the front of the loom. Drill the holes as instructed in item 21).
- 24) Install the pulleys using the hardware provided. Do not over-tighten ... they should turn freely.
- 25) Run the cord as shown in the drawing from the rear of the loom to the front drum. Be sure to thread the cord through the swivel-eye pulley. Insert the cord through the front drum from the inside groove and tie a secure double knot. Make certain the cord runs over and around the Pulleys as shown in Figure #2.
- 26) Move the swivel-eye pulley between the rearmost pulleys on the top horizontal and hang the new cloth storage weight. If you require additional cloth storage weights, they are available and thread onto the bottom of the large weight.