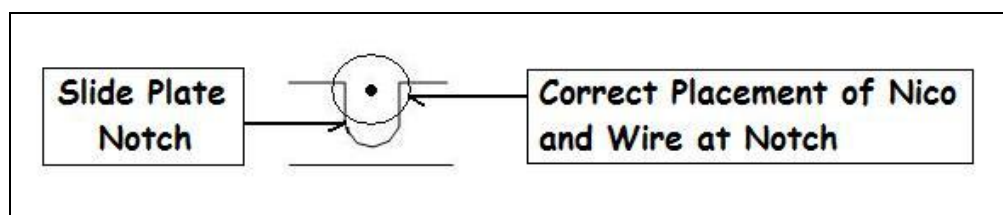


AVL Looms, Inc.
COMPUDOBBY III
Dobby Wire Adjustment Instructions

CompuDobby Operation

It is necessary for the Nico on each Dobby Wire to hang at a position centered at the open end of its notch, as the Nico will seat when the Harness is required to rise. Once the CompuDobby is in place and the Solenoids fire, the Nico will be pushed away from the Notch, to keep the Harness from rising. (This is why the CompuDobby III is called a “negative dobbie”).

When your Dobby is built at AVL it is checked for alignment. When the correct alignment has been achieved, the outer face of the Nicos at the top of the Dobby Wires is painted red.



Problem

If the Nico is too far into the Notch when at rest (or obviously hanging in front of the other Nicos), if the Wire is unduly bent, the Solenoid may not be able to push it far enough away from the Notch to prevent lift. If the misaligned Nico is trapped in the Notch as the Slide Plate passes it, or does not release, after a lift, this misalignment will result in incorrect lifts.

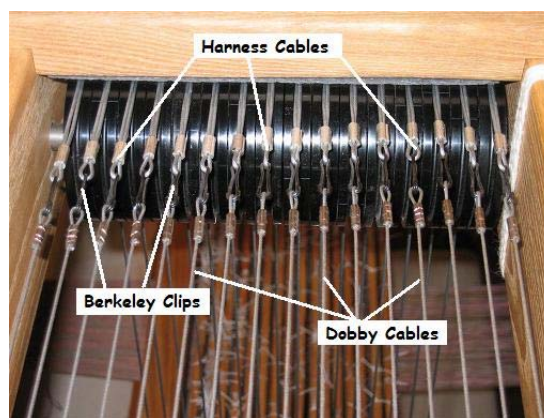
On the other hand, if the Nico is too far away from the Notch, it will not engage when required and result in an incorrect lift.

Correction

1. **REALIGNING THE DOBBY WIRES:** Check to see that the red face of each Top Nico is facing out. If necessary, unhook the Dobby Wire from the Harness Cables, at the Berkeley Clips (up in the Harness Pulley Assembly) and turn the Wire 180 degrees. If this does not resolve the problem, then it may be necessary to correct a bend in the Wire.



Location of Alignment Markings (Red)



Berkeley Clips in the Harness Pulley Assembly

2. **BENDING DOBBY WIRES TO CORRECT ALIGNMENT** - Tools required: pliers, preferably needle-nose pliers

- 2A. If the Nico is *too far in front of the other Nicos or into the Notch*:
- a. Using the pliers, grasp the Nico that connects with the Insert and tip the top of the Nico slightly away from yourself.
 - b. Firmly run one finger up the back of the Wire, from the Nico to the top of the wire.
 - c. It may be necessary to repeat this, or use more pressure.
- 2B. If the Nico is *too far behind the other Nicos and away from the Notch*:
- a. Using the pliers, grasp the Nic, that connects with the Insert and tip the top of the Nico slightly toward yourself.
 - b. Firmly run one finger up the front of the Wire, from the Nico to the top of the wire.
 - c. It may be necessary to repeat this, or use more pressure.

06/2009