

3. Slide out the logic and control boards (all one piece) and place on a **static free, non-conductive surface**.
4. If the boards need to be separated, locate the white tabs in the corners of the logic board (5). Push the tabs back and loosen the control board.
5. Gently rock the control board back and forth until it easily lifts off the bottom board.

**CAUTION: Do not overflex the board or you may damage it.**

## ***Plotter Adjustments***

When making plotter adjustments, refer to the diagram on page 71 in the Appendix and the *HS750<sup>plus</sup> Plotter Parts List* for part identification. Numbers in parentheses in the text refer to the numbers in the diagram. *A DETAIL* and *B DETAIL* refer to parts identified in the close-up views.

## ***Z Axis (Tool Height) Adjustment***

### ***SYMPTOMS***

- The tool does not touch the material or touches only between characters.
- The knife does not cut deeply enough.

### ***OBJECTIVE***

To set the height of the lift fork for consistent contact of tool holder with material.

### ***ADJUSTMENT PROCEDURE***

#### **► *To perform the tool height adjustment***

1. Turn off power at the plotter.
2. Remove the knife and vinyl from the plotter, then return the knife to the plotter.
3. Remove carriage cover (110) by removing screws (111).

4. Locate the cam shaft (19) and rotate it by hand until the lifting fork (123, *B DETAIL*) is at its lowest position. There should be a small gap between the top of the fork and the bottom lip of the tool holder.
5. Place a double thickness of vinyl horizontally between the fork and the lip of the tool holder.
6. In *B DETAIL*, locate the lifting fork adjustment screw (117) behind the lifting fork (123).
7. Turn the adjustment screw (117) as needed to raise or lower the fork so that the gap between the lifting fork (123) and the lip of the tool holder is about the double thickness of a piece of vinyl.
8. When adjusted, replace the cover, load vinyl, and run a test.

### ***Theta Axis (Tool Rotation) Adjustment***

#### ***SYMPTOMS***

- Letters have jagged or serrated edges.
- The tool loses position during a job.

#### ***OBJECTIVE***

To align tool holder in carriage spindle.

#### ***ADJUSTMENT PROCEDURE***

##### **► *To perform the tool rotation adjustment***

1. Turn off power at the plotter.
2. Remove the knife and knife holder from the plotter.
3. Position yourself at the front of the plotter with the keypad to your right and look down into the spindle hole (101), *B DETAIL*. As you face the rear of the plotter, the small protruding pin should be in the 9:00 position.
4. If the pin is not in this position, you must remove the right side cover (47, large diagram) of the plotter. Remove the three