

Logic Board Replacement

For 300 and 350HF Cutters
Note: For Coldfire Logic Boards ONLY



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(425) 398-8282

P/N: 109667 R0

WARNING

- The 300 system cutter is very heavy and could cause an injury if it falls. Make sure that another person assists with moving the cutter.
- When the bottom cover of the 300 is removed and the power is on there is an electric shock hazard. These diagnostic procedures should only be performed by qualified technical personnel or individuals that are aware of safe practices with 110 VAC and 220 VAC devices.



Do not lift the 300 by its top dust cover, or the tray assembly. Use the bottom surfaces of the end plates for lifting and moving the plotter.

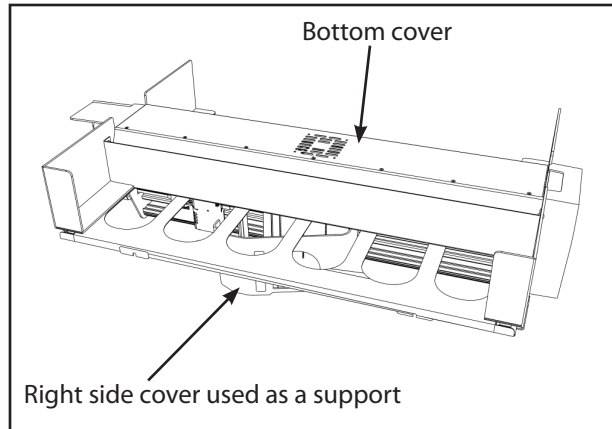
Tools Required



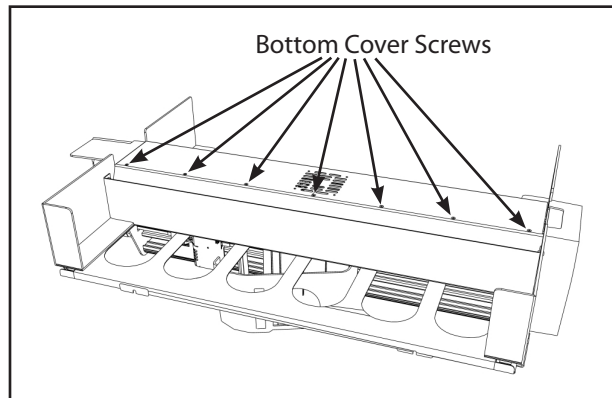
- 1) Phillips Screwdriver
- 2) Wrist Grounding Strap
(Included)

1 Accessing the logic board

- 1) Unplug all cables from the back of the cutter.
- 2) Flip the machine onto its top cover
(Note: You can use the right side cover as a support)



- 3) Remove all the silver Phillips screws on the bottom cover and remove.

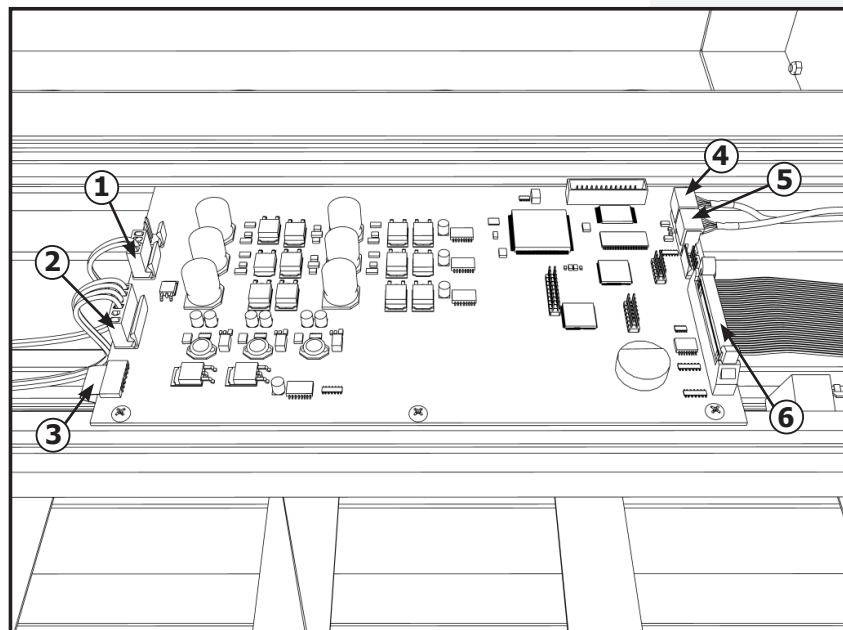


2 Removing the logic board

- 1) Un-Plug all the connectors on the logic board.

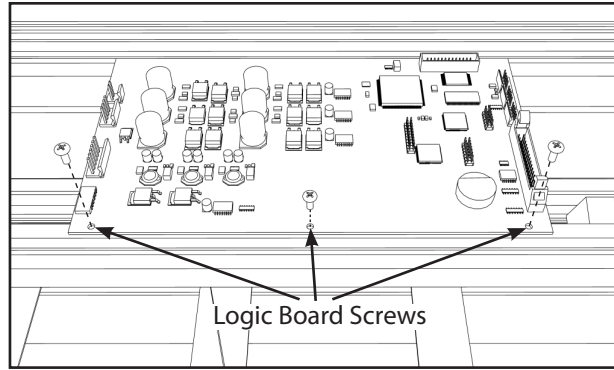
Warning: Use the supplied wrist-strap to ground yourself to the machine. Failure to do so can result in static discharge to the board and will cause damage.

- 1: Power Supply
- 2: Motor Power
- 3: Carriage Ribbon Cable
- 4: Y Axis Encoder
- 5: X Axis Encoder
- 6: Keypad Ribbon Cable



2) Remove the 3 Phillips screws holding the logic board.

3) Carefully remove the logic board from the machine.

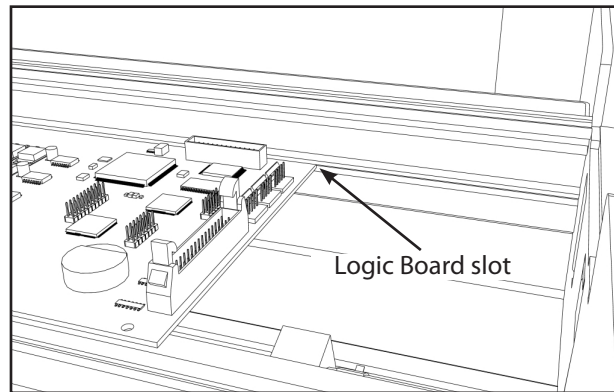


3 Installing the new logic board

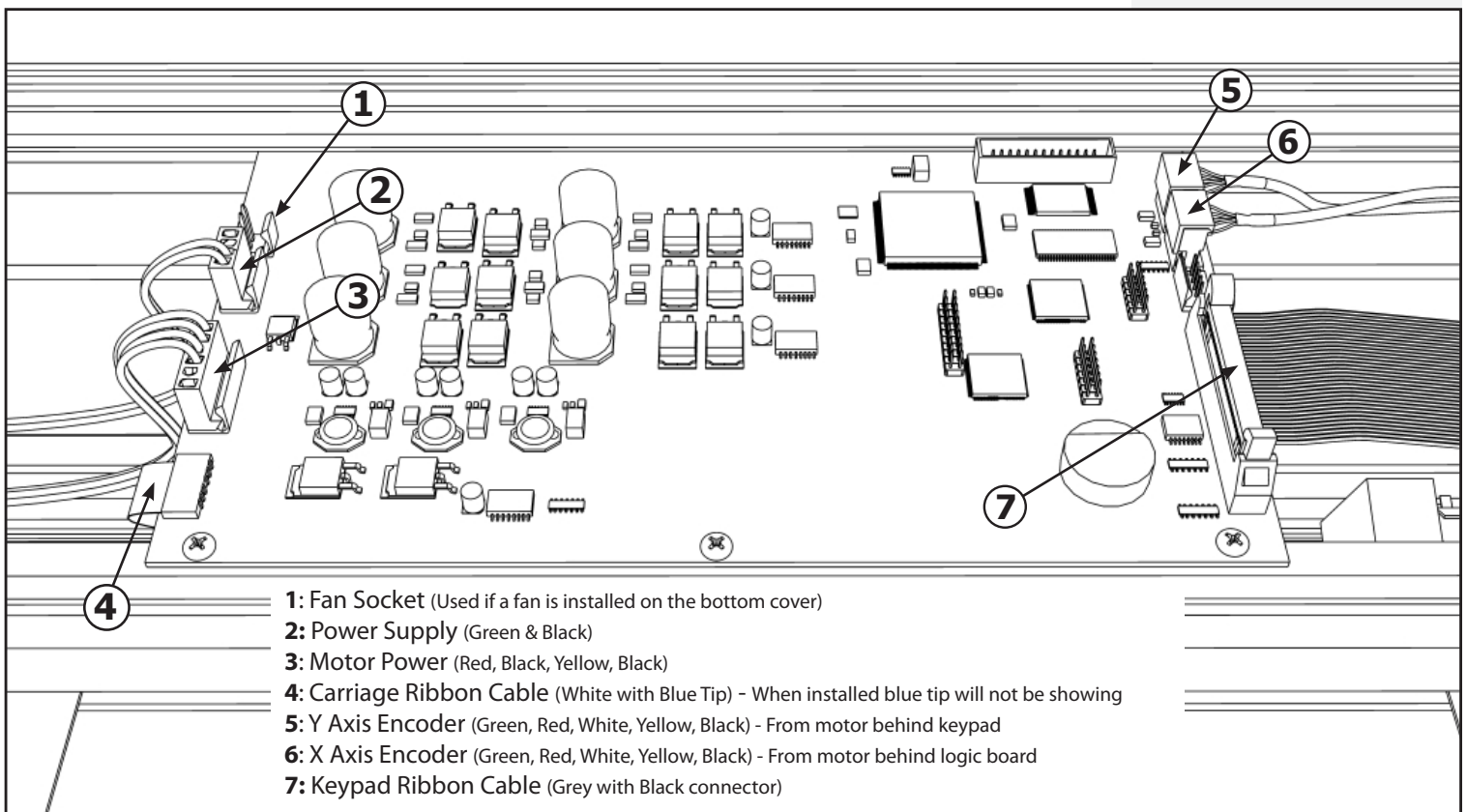
1) Install the new logic board into the slot on the inside of the body.

2) Install the 3 logic board screws that hold the board in the machine.

3) Connect the plugs to the board using the guide below.



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4) Re-Connect the cables to the logic board

5) Flip the machine over and test. If everything works install the bottom cover.

6) If problems arise contact Ioline Tech Support.