

Logic Board Replacement

For: Smartrac, Contour and 100 System Cutters
Note: For Coldfire Logic Boards ONLY

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WARNING

When the bottom cover of the Smartrac or 100 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.

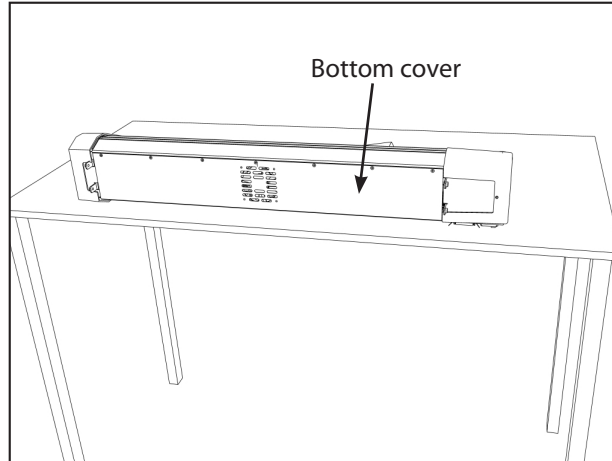
Tools Required



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

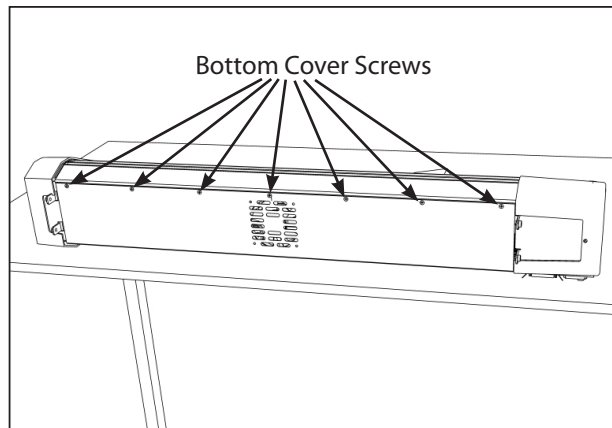
1 Accessing the logic board

- 1) Unplug all cables from the back of the cutter.
- 2) Remove the machine from the stand or cradle (if any). Put the machine on a sturdy table and flip the machine onto its back as shown.



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

Caution: If your machine has a fan installed on the bottom cover, unplug the fan wire before removing the bottom cover completely.

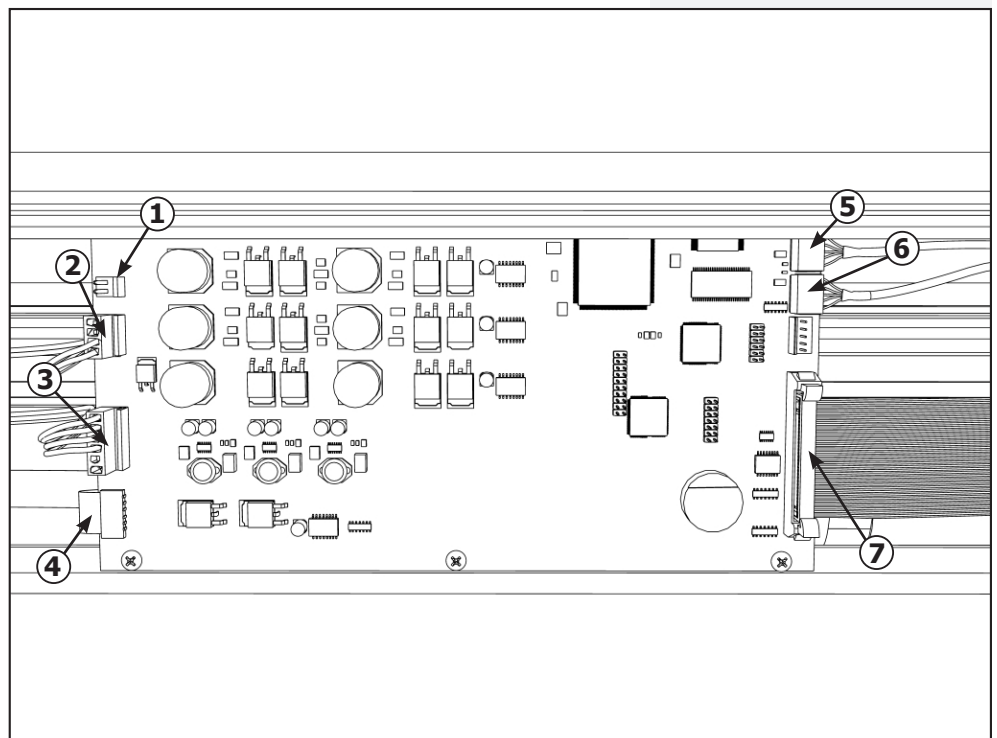


2 Removing the logic board

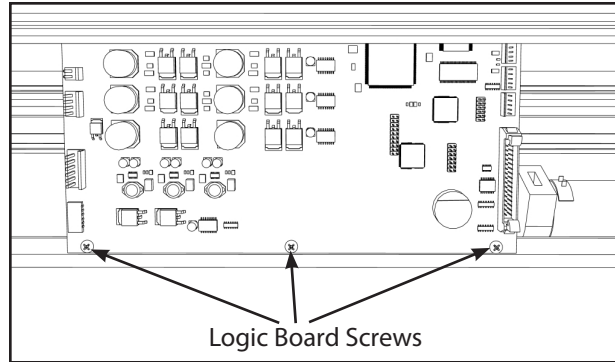
- 1) Un-Plug all the connectors on the logic board.

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

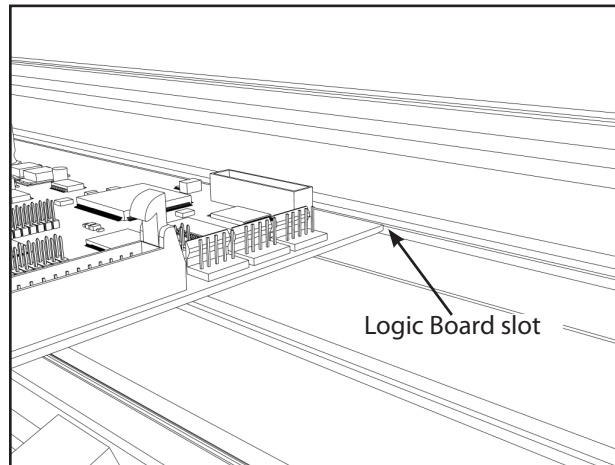


- 2) Remove the 3 Phillips screws holding the logic board.
- 3) Carefully remove the logic board from the machine.

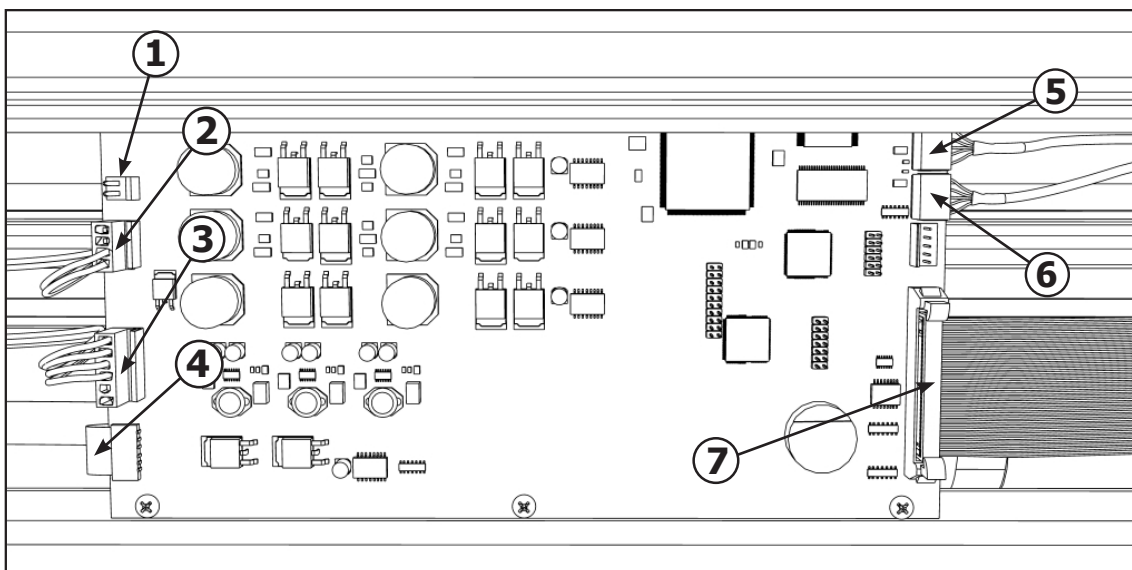


3 Installing the new logic board

- 1) Install the new logic board into the slot on the inside of the body.
- 2) Install the 3 screws that hold the board in the machine.
- 3) Re-Connect the cables to the logic board
- 4) Flip the machine over and test. If everything works install the bottom cover.
- 5) If problems arise contact Ioline Tech Support.



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.



Key

- 1: Fan Socket (Red & Black) - Only used if you have a fan installed on the bottom cover.
- 2: Power Supply (Green & Black)
- 3: Motor Power (Red, Black, Yellow, Black)
- 4: Carriage Ribbon Cable (White with Blue Tip) - When installed blue tip will not be showing
- 5: Y Axis Encoder (Green, Red, White, Yellow, Black) - From motor behind keypad
- 6: X Axis Encoder (Green, Red, White, Yellow, Black) - From motor behind logic board
- 7: Keypad Ribbon Cable (Grey with Black connector)