



## Procedure for Replacing Control Board (Part # 813224 or 813226)

This is a brief procedure for servicing the motor control board. Depending on your serial number, the new control board may appear different than the board you are replacing. If any of these instructions appear unclear, please call us at 614-548-0098 7-3 ET Monday-Friday.

- A. First unplug the machine from its power source.
- B. Remove the four screws located at the bottom of the front panel. This will require a 5/16-nut driver or a socket. *Note:* Notice the position of the front panel in regards to the top panel. This position will be important when replacing the front panel.
- C. With all four screws removed, pull out and down on the front panel. There are two locating pins on each side of the front of the cabinet; you will need to clear these pins. The panel should now be clear of the machine. Set this panel to the side.
- D. Remove the two 5/16-headed screws located at the upper left and right corner of the edge of the cabinet. These two screws will allow access to the interior of the machine. Set these two screws aside separate from the other four screws because they may be different on your machine.
- E. Lift up on the front of the top until the two front clips have cleared the edge of the cabinet. *Note:* Secure the lid to the top panel with a piece of tape or some other means. Once the top is raised vertically, the lid might open and fall backwards. This could damage the lid or cause it to become detached from the top.
- F. Pull the plastic top assembly towards you an inch to free up the hinges on the back. Then lift the top until you can gain access to the rear wall of the cabinet. *Note:* Again, secure the top so it will remain open while you are working in this area. If the top is not secured, it could fall closed while you are working in this area.
- G. The motor control board is now accessible. The location of the board is on the rear upper right corner of the cabinet.
- H. Removal of the control board (*for models HXW2300, HXW2301, HXW2302, HXW2303, and HXW2304 to Aug. '01 control board replacement*)
  1. Remove both of the wire connections on top of the control board. *Note:* It is advisable to secure the board with your free hand while removing the wire connections.
  2. The right-hand connector will pull off. It may require a little force to pull the connector free. Again, secure the board with your free hand while removing this connector.
  3. The left-hand connector has two retaining clips on either side of the connector. While squeezing these two connectors, rock the connector back and forth until the connector is free.
  4. Disconnect the two wires on the circuit board that connect to the circuit breaker. These will no longer be needed with the new control board.
  5. To release the board from the four standoffs, there is a latching pin in the center of the standoff that sticks through the board. Depress this latch while gently pulling out on the corner of the board. Repeat this procedure until all four corners are free. Now the board can be removed from the machine.
  6. Remove all four plastic standoffs.

- I. Removal of the control board (*For model HXW2304 after Aug. '01*)
  1. Remove right-hand wire connector as indicated in H-2 above
  2. Remove left-hand wire harness connector as indicated in H-3 above
  3. Remove three plastic thumb screws from the three corners of the aluminum plate
  4. Remove three plastic standoffs from stud
  5. Remove control board from mounting studs
- J. To replace the board, perform this procedure in reverse.
  1. (For model HXW2300, HXW2301, HXW2302, HXW2303, and HXW2304 prior to Aug. '01) Slide the control board's studs into the standoff holes in the back of the machine.
  2. (For HXW2304 after Aug. '01) Put control board on mounting studs; install standoffs and thumbnuts.
 

**Note: The left-hand connection can go on only one way. There is a flat side on one of the connections that only allows the connector to be inserted one way. Also, the right-hand connector (called J2) will go on with the silver terminals facing up (\*see photo below).**
- K. Lower the top back into position and re-set the two hinges into place on the back.
  1. While lowering the top, ensure that the rubber skirt is located in the gray bezel. The bezel is the plastic insert that covers the spinner basket. There is a channel around the bezel that locates the skirt. This is the section that has the hump on the bezel. Ensure that all four sides of the skirt are located in this area or there is great risk of water escaping during wash and spin.
  2. Ensure that the two top clips are located behind the edge of the cabinet in the front. Replace and tighten two of the 5/16 headed screws.
- L. Replace the front panel and tighten the four 5/16 headed screws.
  1. Ensure that the top of the front panel is properly located or the panel will rattle during spin. This panel also gives the machine its stability and if it is not located properly damage may be incurred.
  2. Guide the front panel over the two location pins.
  3. Align the holes at the bottom of the front panel and tighten the four 5/16 headed screws.
- M. Remove the restraint that is securing the lid and open. Rotate the basket until the doors are facing down. With some force, press down on the basket with both hands. Visually inspect to see that the rubber skirt is positioned in the bezel.

**Note: Please return defective board within two weeks. (Return via regular mail, no insurance or Priority Mail required, using box it was shipped in and label provided.)**

