

ELECTRONIC CONTROL BOARD (PWA) REPLACEMENT

IMPORTANT: BE SURE THE VALVE CAM INDICATES "SERVICE" POSITION (See Figure 1) WHEN REPLACING THE ELECTRONIC CONTROL BOARD (PWA), TO ASSURE BOTH VALVE AND PWA ARE ORIENTED, OR TIMED, TO THE SAME CYCLE. If the valve is not in Service position, see step 16 on page 2.

NOTE: When installing the electronic control board (PWA) on the faceplate, use care not to twist the circuit board, or force it onto the mounting pegs. Twisting could damage the printed circuits, or break the display glass.

1. Unplug the water softener's transformer from electrical power.
2. Slide open the salt cover and remove the top cover assembly (See Figure 2). Unsnap it from the tank rim by pushing in the two retainer tabs inside the front of the salt opening.
3. Lift up the faceplate assembly (See Figure 2) to expose the valve.
4. Unplug the wiring connections from the back of the old Electronic Control Board (See Figure 3 on page 2).
5. Lay the faceplate assembly face down and carefully remove the old board by unsnapping it from its retainer tabs.
6. Carefully snap the new Electronic Control Board into the retainer tabs.
7. Reconnect the wiring to the new board (See Figure 3 on page 2).
8. Put faceplate assembly back into place on the tank rim (See Figure 2).
9. Snap the top cover assembly back into place on tank rim and slide the salt hole cover closed.
10. Plug the transformer into the electrical outlet. A model code and a test number shows in the display for a few seconds.

NOTE: If "- - -" shows in the display, press the $\triangle$ UP or ∇ DOWN button to set the model code.

11. If the correct model code for your softener did not display when the transformer was first plugged in, set the model code as follows: Press and hold the SELECT button until "000 - -" shows. Then press the SELECT button again until a model code (example: "E7130") shows.
12. Use the $\triangle$ UP or ∇ DOWN buttons to set the correct model code for your softener (see table below). Then press the SELECT button to set, and change to the flashing "SET TIME" display.

Model Number	Model Code to select
EP 7130	E7130
EP 7140	E7140

13. Press the $\triangle$ UP or ∇ DOWN buttons to set the present time. Up moves the display ahead; down sets the time back. Be sure AM or PM is correct.

NOTE: Press buttons and quickly release to slowly advance the display. Hold the buttons down for fast advance.

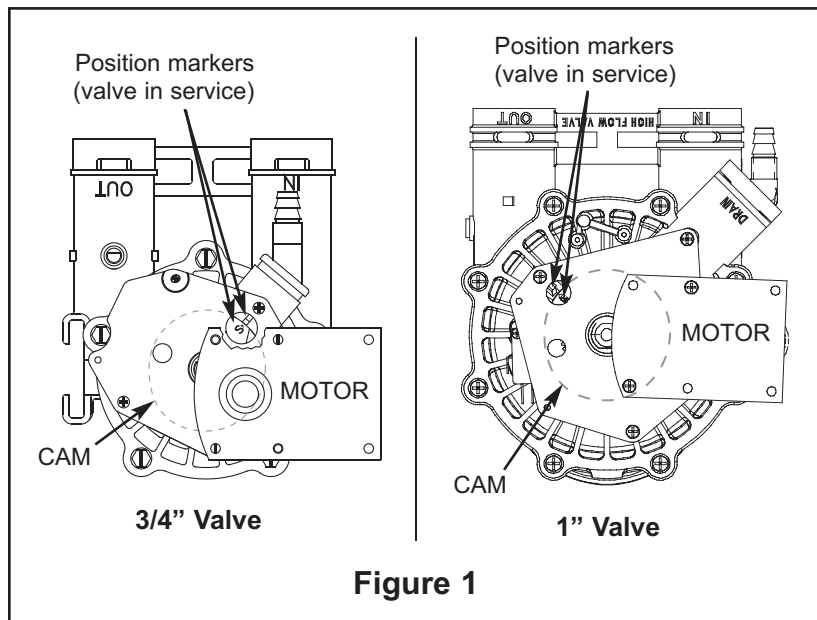


Figure 1

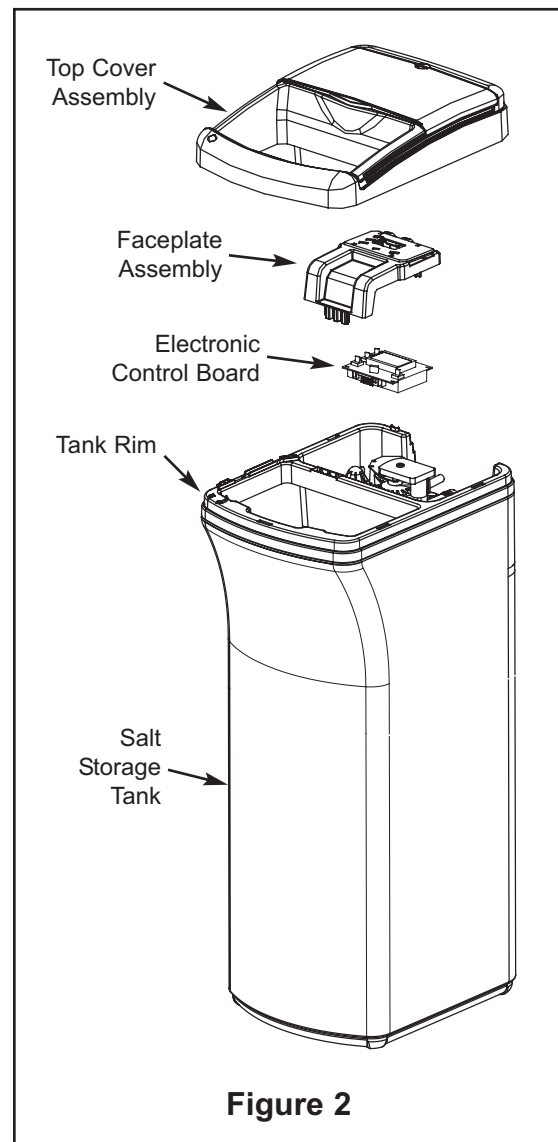


Figure 2

continued on page 2

continued from page 1

14. Press the SELECT button a few times, until the time appears on the display, but is not flashing.
15. For information about programming additional features of the softener, consult your owner's manual.
16. If the valve is not in Service position, press the RECHARGE button and hold for 3 seconds to start a recharge cycle. The display will flash "RECHARGE NOW." In about 2 hours the recharge cycle will be complete and the valve and electronic control board will be properly oriented together.

NOTE: To save time, use the manual advance procedures to properly time and check operation. See service information in the manual.

