

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 15 below.

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. Unsnap and remove the top cover to expose the valve.
3. Raise the salt lid to its fully open, resting position.
4. Unsnap the two tabs extending back from the top of the faceplate and tilt the faceplate forward to expose the old Electronic Control Board.
5. Unplug the wiring connections from the back of the old Electronic Control Board (See Figure 2).
6. Carefully remove the old board by unsnapping it from its retainer tabs.
7. Carefully snap the new Electronic Control Board into the retainer tabs.
8. Reconnect the wiring to the new board (See Figure 2).
9. Plug the transformer into the electrical outlet. A model code and a test number shows in the display for a few seconds.
10. 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 MODE/SET button for at least 6 seconds, until the word "Code" shows.
11. Use the ▲ UP or ▼ DOWN buttons to set the correct model code for your softener (see table below). Then press the MODE/SET button to set, and change to the flashing clock display.

Model Number	Model Code to select
GXSH40V	H40
GXSH45V	H45
GXMH31H	H31

12. Press the ▲ 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.

13. Press the MODE/SET button a few times, until the time appears on the display, but is not flashing.
14. For information about programming additional features of the softener, consult your owner's manual.
15. 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.

