

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 13 below.

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

1. Unplug the water filter's transformer from electrical power.
2. Remove the water filter's top cover to expose the valve.
3. Unplug the wiring connections from the back of the old Electronic Control Board.
4. Carefully remove the old board by unsnapping it from its retainer tabs.
5. Carefully snap the new Electronic Control Board into the retainer tabs.
6. Reconnect the wiring to the new board.
7. Plug the transformer into the electrical outlet. A model code (example: "HPF") and test number shows in the display for a few seconds.

NOTE: If " - - - " is flashing in the display, use the \triangle UP or ∇ DOWN buttons to set the model code.

8. If the correct model code for your filter model 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 and hold SELECT again until a model code shows.
9. Use the \triangle UP or ∇ DOWN buttons to set the correct model code for your filter (See table at right). Then, press the SELECT button to set, and change to the flashing "PRESENT TIME" display.
10. Press the \triangle UP or ∇ DOWN buttons to set the present time. Up moves the display ahead; down sets the time back.
11. Press the SELECT button a few times, until the time appears on the display, but is not flashing.
12. Program additional water filter features, following instructions in your owner's manual.
13. If the valve is not in Service position, press the TOUCH/HOLD button and hold for 3 seconds to start a recharge cycle. The filter cycles through the recharge positions during the next 30 minutes. After this the electronic controller and valve are properly oriented together.

NOTE: To save time, use the "manual advance" procedures to properly time and check operation. See "Troubleshooting" section of the filter manual.

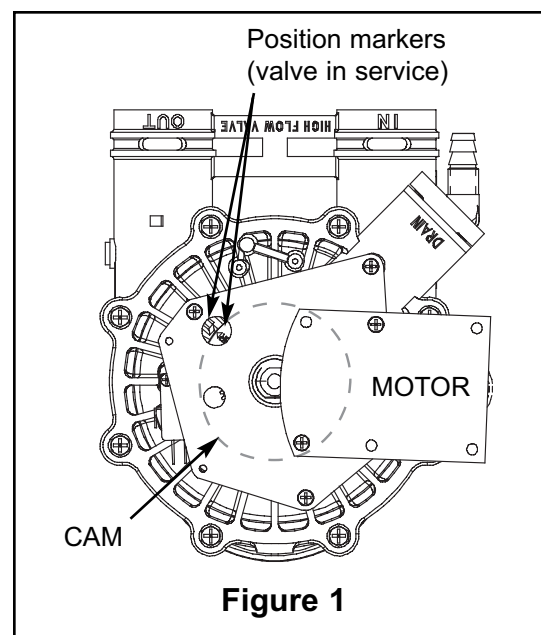


Figure 1

Water Filter Models	Model Code to Set
NSSFSSA, NSANSSA, NSTOFSSA, NSAPFSSA, NSAPFXLA, NSCCTOSSA	HPF
NS AIFSS-110, NS AIFSS-220, NS AIF2	HAIF
NSIFPPA, AIF10	HIF10
Universal Filter	HPF
Universal Filter (12") w/Brine Tank or Potassium Permanganate Feeder	HIF12

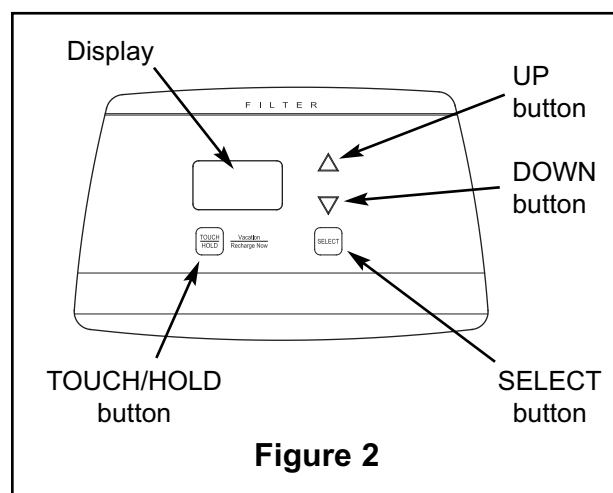


Figure 2

Notes for Air Inject Filters:

If your system includes AC solenoid valve P/N 7287645 (valve coil will be pink), you must replace it with DC solenoid valve P/N 7322699 when replacing the PWA.

If your system includes relay box P/N 7276050 (P/N is printed on the relay box), you must replace it with relay box P/N 7322681 when replacing the PWA.