

KT15

Main Switch Replacement



Hartell Pumps
Division of Milton Roy Co.

70 Industrial Drive
Myland, PA
18974

Phone: 215-322-0730
Fax: 215-322-2944
Web: www.hartell.com
Email: info@hartell.com

Replacing the main switch in the KT15 is a simple procedure.

Disassembly:

1. Start by unplugging the pump and draining the reservoir.
2. Remove the two screws as shown in figure 1. Remove motor cover.
3. Locate the switch tree and remove the black wire and the blue or red wire from the black switch. This is the main switch. The white switch with yellow leads is the safety switch and may or may not be present on your pump. Refer to figure 2 & 3.
4. Remove the yellow wires from the white safety switch if present.
5. Note the position of the top tinerman, it's location 1/4 inches from the top of the float rod is important. Remove the top tinerman with pliers and discard. A new tinerman is included with your kit. Refer to figure 3.
6. With all electrical connections and top tinerman removed, grasp the switch tree and remove from the pump. See figure 4.

Reassembly:

1. Insert the new switch tree into the tank cover so that the black switch facing the motor.
2. Connect the black wire and red or blue wire to the black switch. Connect the yellow leads to the white switch, if present.
3. Be sure the float rod runs through the hole in the arm of the black switch. Press a new tinerman on to the float rod over the switch arm. Press the tinerman 1/4 inches down the rod.
4. Install motor cover and fasten screws. Be sure to align the various components with the slots inside the cover. The cover will sit flush on the tank when all is aligned.
5. Plug in the pump and test the switch operation before installing in AC/ Furnace system.

Note: 230 Volt models will have a red lead on the main switch while 115 Volt models use a blue lead. Only models with an X in the name are equipped with a safety switch. (Ex. KT-15X-1UL) The white safety switch does not control the pump motor. It is used to turn off the AC/Furnace in the event of a pump failure.

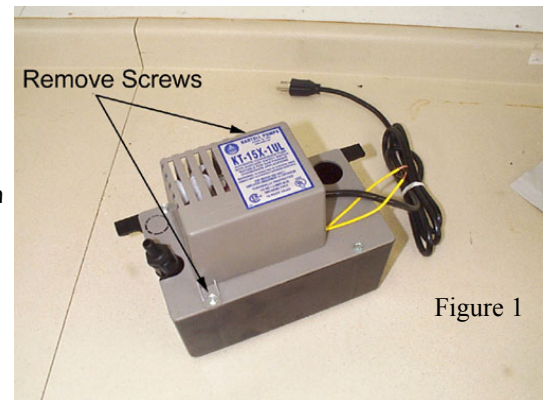


Figure 1

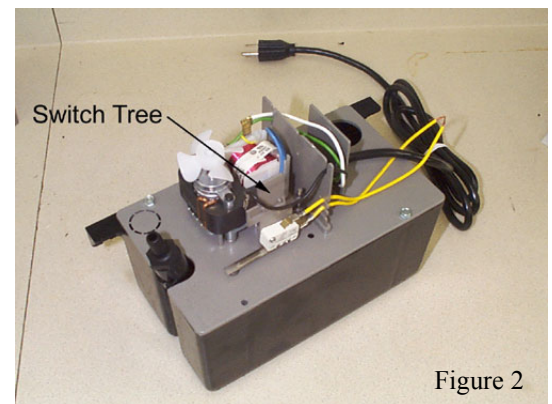


Figure 2

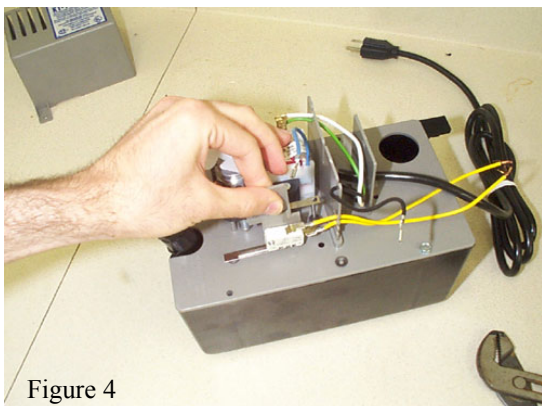


Figure 4

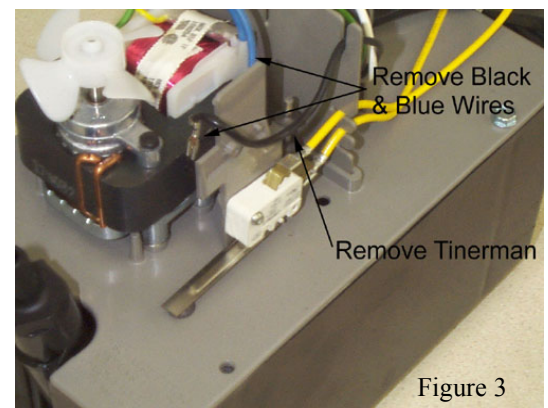


Figure 3