

Potentiometer / Variable Speed Switch Replacement

- Force Dryers -



- Step 1** Disconnect from power first.
- Step 2** Remove the knob from the switch. There is a set screw located on the grip (directly opposite the indicator mark) of the knob that must be loosened to release the knob from the switch.
- Step 3** Remove the top cover to gain access to the switch from the inside of the machine. The cover is sealed with silicone sealant on all dryers except the Tornado and Eco 1 models. The cover must be separated from the main body by cutting the seal after the screws are removed. This is best done by forcing a blade (such as a utility knife) between the cover and main body and working around all four sides. Note the blade of the knife must extend at least $\frac{1}{2}$ inch under the cover to cut the sealant.
- Step 4** Remove the piece of gray foam beneath the cover. Locate the back of the switch. Remove the nut that is located on the outside of the dryer (was behind knob removed in step 1). It may be necessary to hold the inside portion of the switch to prevent it from rotating. The switch can now be pushed inside the dryer.

- Step 5** Cut the two wires at the back of the defective switch. Strip the plastic insulation back 3/8 inch exposing the copper conductors. Connect the wires by twisting the bare wires together with the wires on the new switch (matching colors, red to red, black to black) and screwing on the provided wire nuts. Tuck the wires between the foam on the side wall to secure from moving.
- Step 6** Push the new switch through the mounting hole and position with the terminals facing up. Install the knob. Position the indicator to your preference for the off position and tighten the set screw. Turn the knob to see if it operates smoothly. If it seems tight or does not move smoothly, loosen the set screw and pull it out slightly and retighten the set screw.
- Step 7** Plug in the power cord and test run before replacing the top cover.
- Step 8** Clean the sealing area on the cover and main cabinet. It is not necessary to remove the old sealant. Remove any that is loose or any that is thick with a razor blade.
- Step 9** Put the gray foam piece back in to place and apply a 1/8" bead of clear 100% silicone seal to the contact area where the cover meets the main body of the machine. Ensure that the bead is continuous for a good seal.
- Step 10** Position the cover and start all screws (by hand) and tighten them. Allow the sealant to dry and trim excess with a razor blade.