

Trouble Shooting Guide

Comfort Aire & Hot Spot Hair Dryers

I. IF DRYER MOTOR DOES NOT RUN

1. Make sure dryer is plugged into outlet & check for tripped circuit breaker.
2. Turn timer to the run position – if it still doesn't run, then disconnect from power source and remove the back panel and inspect for loose connections.
3. Check for heat around the motor and blower box. If the motor is warm, inspect for an obstruction in the blower box, stack assembly, or dryer hood. Remove the obstruction and verify that the blower wheel turns freely.
4. If the motor is cool, but the blower box is warm, then replace the dryer motor per instructions below.

II. DRYER MOTOR RUNS BUT DRYER DOES NOT HEAT

1. Turn the timer clockwise to assure the dryer is not in the cooling cycle.
2. Make sure the heat knob is turned on --- if the dryer does not heat within a few minutes, then disconnect dryer from the power source and remove back panel.
3. Check for loose connections. If there are no loose connections, then inspect the temperature control knob and the thermostat.
4. If the temperature control knob rotates freely for 360 degrees, or if the thermostat shows evidence of an electrical short, then replace the thermostat per instructions below. This is almost always the problem with a dryer that runs but does not heat.
5. On rare occasions, the timer or heating element may fail. But, those occasions are extremely rare. Do not replace either of these components unless you have first replaced the thermostat.

III. DRYER GETS HOT, BUT MOTOR DOES NOT RUN

1. Disconnect dryer from the power source and remove back panel.
2. Inspect for obstructions. If there are no obstructions, and the blower wheel turns freely, then replace the motor per instructions below.

MOTOR ASSEMBLY REPLACEMENT INSTRUCTIONS

1. Unplug dryer.
2. Unscrew the yellow wire nut that connects the four white wires with the black motor wire, the gray wire nut that connects the gray wire with the other black motor wire and the green motor ground wire from the bottom of the dryer.
3. Remove the two 8/32 x 5/8" phillips head motor mounting bracket screws and the two #6 x 3/8" phillips head mounting ring screws and pull out the motor assembly.
4. Put in the new motor assembly and replace the four mounting screws.
5. Reconnect the green motor ground wires to the bottom of the dryer.
6. Reconnect the bottom black motor wire to the four white wires using the yellow wire nut and the top black motor wire with the gray wire using the gray wire nut.
7. Replace the back of the dryer.

TOOLS NEEDED: PHILLIPS HEAD SCREWDRIVER

TIMER REPLACEMENT INSTALLATION

1. Unplug dryer.
2. Remove back of dryer.
3. Pull knob off of the timer stem and remove the nut from the timer stem and pull the timer down.
4. Remove the lock washer from the timer and remove the orange, gray and brown wires from the timer.
5. Unscrew the two gray wire nuts.
6. Attach the orange, gray and brown wires to the new timer as shown on the wiring diagram located in the dryer.
7. Attach the two black timer wires, (one to the white wire and one to the gray wire) with the gray wire nuts.
8. Put the lock washer back over the timer stem and put stem up through dryer making sure locator pin is in the locator hole, then tighten down the nut.
9. Replace the back and timer knob.

TOOLS NEEDED: PHILLIPS HEAD SCREWDRIVER

THERMOSTAT ASSEMBLY INSTALLATION

1. Unplug dryer.
2. Remove back of dryer by loosening the two screws at the bottom and slipping off the back assembly.
3. Locate the thermostat assembly (upper left hand corner of the blower box) and remove the orange and red wires.
4. Remove the hairpin cotter pin from the thermostat rod and lift it off the thermostat.
5. Remove the screw from the thermostat assembly and slide it out.
6. Slip in the new thermostat and tighten screw.
7. Reconnect the orange (top) and red (bottom) wires to the thermostat.
8. Affix the thermostat rod back on the thermostat and insert hairpin cotter pin.
9. Put back assembly back onto the dryer and tighten the screws.

TOOLS NEEDED: PHILLIPS HEAD SCREWDRIVER

THERMOSTAT / BUNDYWELD ROD INSTALLATION

To change the old style of thermostat and bundyweld rod to the new style, do the following:
(NOTE: IT IS ASSUMED THE BACK OF THE DRYER IS ALREADY REMOVED AND POWER TO THE DRYER HAS BEEN DISCONNECTED.)

1. Remove the knob from the top of the bundyweld rod.
2. Remove the hairpin cotter pin from the old thermostat assembly.
3. Pull the bundyweld rod up off the thermostat and out the back of the dryer.
4. Remove the red and orange wires from the thermostat.
5. Remove the screw from the thermostat bracket and pull out the thermostat bracket assembly.
6. Put in the new thermostat bracket assembly with screw and reconnect the wires.
7. Put the knob onto the new bundyweld rod and put the bundyweld rod into the hole in the top of the dryer.
8. Slip the new bundyweld rod over the new thermostat and align the holes in the bundyweld rod with the thermostat.
9. Put the hairpin cotter pin all the way through the thermostat and bundyweld rod.
10. Make sure the pointer on the knob lines up with decal heat measurements. (If not, remove the pin and rotate the bundyweld rod around and put the pin in the other side.)

TOOLS NEEDED: PHILLIPS HEAD SCREWDRIVER

Black & White Schematic □
 Collins Comfort Aire Dryer □
 Collins Manufacturing Co. □
 Cookeville, TN 38501

