
Heating Element Replacement Guide

This guide will take you through the whole process of replacing a heating element. It will be helpful to use sticky notes or something similar to keep everything organized by labeling screws/components that are removed. Also, make sure that the dryer is not connected to a power source before starting Step 1.

Step 1



Start by removing the metal clamp on the rubber nose cap. A small flat head screwdriver should allow you to pry up one side pretty easily. You'll see the connection point start to separate, and it can be removed by hand at that point.

Step 2



After removing the clamp, place the nose of the dryer where it is hanging off of a hard surface. Grab the nose cap and **pull it downward**. This will take a bit of force. You'll see where the rubber starts to come off of the hard plastic retaining sleeve.

Step 3



If you haven't already done so, turn the dryer over to remove the filter cover and filter from the bottom of the dryer. The **screw** should be finger tight. This screw is very long with fine threads, so it will take several turns to remove. After the screw has been removed, the filter cover needs to be **turned counter-clockwise** around 1 inch to be removed. After rotating, it can be lifted out of its securing grooves. The filter should come off with the cover. ****Be careful not to turn the cover too far or too hard, as you might break the securing tabs.****

Step 4



After the filter and cover are removed, the **4 long screws** and **1 short screw** that need to be removed should be visible. The long screws might not necessarily come out of their holes, but you will be able to feel a difference in tension once the threads are out of the dryer's top housing.

Step 5



Turn the dryer upright (resting on where the filter and cover were removed from) and gently lift the top housing away from the bottom housing. On the left side of the nose, you should be able to peek inside and see this screw that is holding a **wiring management tab** to the bottom housing. Removing this should give you ample room to set the top housing to the side while you work inside the bottom housing.

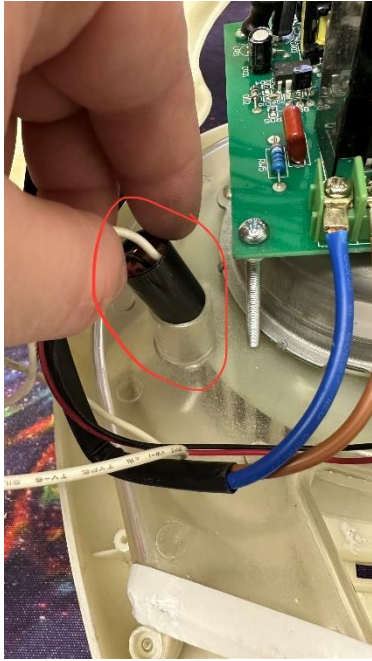
Step 6



Once you set the top housing aside, this should be your viewpoint. ****Take a picture of this angle for reference to which wires get connected to which terminal.**** You can see where **(1) the black wire** and **(2) the white wire** come out of the nose and into the main dryer housing. Note that the **(1) black wire** splits into two separate wires that lead to the circuit board terminals. Also note that **(2) the white wire** goes into the black cylinder and is converted into two separate wires that lead to the circuit board terminals. (Colors may vary on the two pairs of wires going into the terminal) Loosen the small Phillips head screws in the 4 terminals highlighted above, but do not remove the screws. You can now remove the 4 wires from the terminals by sliding them out from under the clamping tabs under the screws.

****If you are also replacing your heating button, refer to the heating button replacement instructions at this point.****

Step 7



The **black cylinder** can now be removed from its slot. You might be able to pull it out by hand, but typically it needs to be pried out with a small flathead screwdriver. One side of the slot is open to allow for the screwdriver to be inserted below the cylinder.

Step 8



After all the wires are removed from the circuit board terminals and the cylinder removed from its slot, everything inside the housing is ready for the heating element to be removed. To access the heating element, the metal grate in the tip of the nose has to be removed. The grate is removed in a fashion similar to most medicine bottles- **press down**, then **rotate counter-clockwise**. The grate can then be removed, along with the translucent rubber spacer. ****If you are having trouble with this step, check to see if there is a tiny, black set screw holding the metal grate in place. If this is the case, it can be removed with either a pair of needle nose pliers or the correct sized Allen key.****

Step 9



After the grate and spacer are removed, you can reach inside the nose and grab the heating element. The whole element assembly slides out of the nose. As you **pull the assembly out of the nose**, make sure that the wires are not tangled on other wires inside the dryer housing on the other end.

Step 10



After you remove the heating element assembly, identify the **4 tabs** pictured above.

Step 11



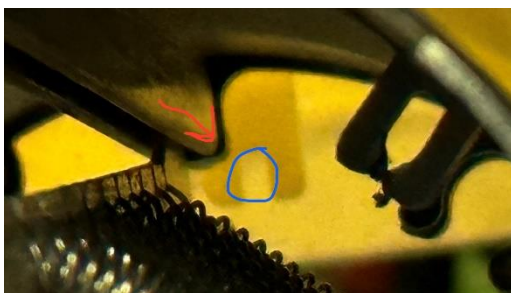
Likewise, look inside the nose tube and identify the **4 slots** pictured here. The **4 tabs** in the previous picture fit inside these slots.

Step 12



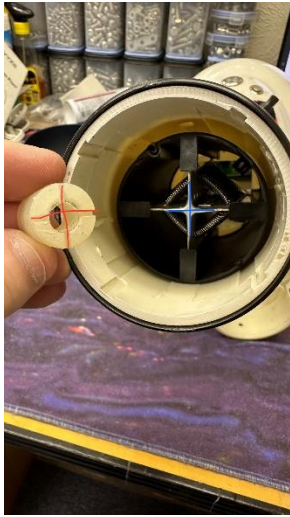
Now, we install the new heating element assembly. Feeding the wires through the tip of the nose first, slowly **pull the wires through**. This **brings the new assembly into the tube** without the wires catching on the slots inside the nose tube. See next picture before you pull the assembly all the way inside.

Step 13



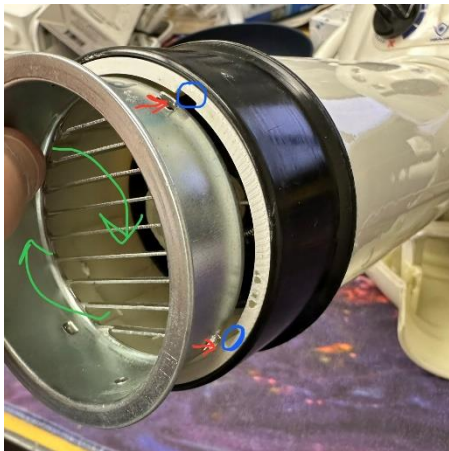
Look through the heating element assembly to ensure that you are properly aligning the **assembly tabs** with the **tube slots**. All **4 tabs** should go inside the **slots** simultaneously.

Step 14



Grab the translucent spacer that you removed a moment ago and find the end that has the **cross cut out of it**. This cross fits perfectly on the **end of the heating element** coil. Press the spacer down. This spacer aligns the heating element and holds it into the slots that you just inserted the assembly into.

Step 15



The metal grate can now be reinstalled. Align the **tabs** with the **slots**, push in, then **rotate clockwise** until it stops. The grate should compress the spacer just enough to keep the heating element assembly from moving around inside the nose tube.

Step 16



To reinstall the nose cap, first take note of the **groove inside the cap** and the **ridge on the retaining sleeve**.

Step 17



Position the nose cap almost perpendicular to the nose tube, firmly pressing upwards against the tube. As you **apply pressure inwards and upwards**, the cap's edge should start to wrap around the tube and take its place around the retaining sleeve. Work your way up and around the tube until the cap is attached to the tube. If done correctly, the cap should be snugly fit around the retaining sleeve with the cap's groove fully around the tube's ridge. You can test this by simply lightly pulling the nose cap straight off the retaining sleeve. If it comes off easily, it is not in place properly.

Step 18



To reinstall the clamp around the nose cap, align it in similar fashion (bottom side hooked together, top side open) as shown here, only inside the designated groove that you removed it from on the cap.

Step 19



Once aligning the clamp in the groove as described above, the open side of the clamp can be closed by **applying pressure to the sides**. As you squeeze, the top side will hook together.

Step 20



Wrap the wiring management tab back around the black and white cables, and put it back in place with the small **screw** that you removed in Step 5. Before you tighten all the way, pull the excess black and white wiring coming out of the nose tube past the wiring management tab and into the main dryer housing. ****Make sure that the wires stay inside the open circle portion of the wiring management tab and are not being pinched when tightening the screw.****

Step 21



Before connecting any wires to the circuit board terminals, we are going to place the black cylinder back in its slot. While holding the black and red wires straight up in the air, place the cylinder partially in the slot and **rotate clockwise** until the extra white wiring is spun around the clear cylinder slot. **Press the cylinder down to the bottom** once this is done.

Refer back to the picture you took in Step 6 and reconnect the wires to their appropriate circuit board terminals. Place the wires underneath the clamping tabs beneath the screws, ensuring that the exposed metal of the wiring is touching the clamping tab and the metal bottom of the terminal. Be careful to not overtighten the terminal screws when securing the wires. This may cause cracking or breakage of the terminals. ****If the rubber wire covering is preventing the metal terminal components from connecting with the metal exposed wire, this will cause the dryer to function improperly.****

Make sure that all wires are clear of any pinch points or moving parts. You can lightly bend and move the cables around, as long as you make sure that the wires do not pull out of their connection points.

Step 22



As you prepare to replace the top dryer housing, locate the **channel** highlighted here. The black and white wires lay in this **channel** to prevent them from being pinched or severed as the top and bottom housings are reconnected and screwed together. Align the white wire under the black wire, then **push both wires down** into the **channel**. The larger black wire will hold the smaller white wire in place.

Make sure that the wires stay in the channel as you now align the top and bottom housings. While holding them together, flip the dryer upside down and replace the 5 screws (4 long, 1 short) that were removed in Step 4.

Step 23



As you prepare to replace the filter cover, locate the **1 large** and **2 small** tabs on the cover.

Step 24



Align the tabs in the previous picture with their appropriate slots shown here. After placing the tabs into their slots, reverse the movements of Step 3 by rotating the cover clockwise 1 inch until it stops and tightening the long screw until it is finger tight.

Connect your dryer to its power source and test it out. If all functions and features are working properly, you have successfully replaced the heating element! If the dryer is not working or a feature is not functional, please reach out so we can diagnose the issue together.