

Brush Change Procedure

- Force Dryers -



You Will Need

- Silicone Caulking
- New Brushes (*Note: A Granddaddy will require two sets of brushes.*)
- Straight Blade Screwdriver
- Phillips Screwdriver
- Utility Knife

Step 1 Unplug the Unit!

Step 2 Locate lid. Remove lid screws. (**RIGHT** to tighten, **LEFT** to loosen) Using a utility knife cut the silicone seal between the unit and lid. **ALWAYS CUT AWAY FROM YOUR BODY!** Peel back foam and remove.

Note *Careful not to bend lid when removing!*

Step 3 Loosen the two screws holding the metal brush clamp (both sides). Carefully lift up and slide out the old brush to remove it.

Step 4 Using your new brushes locate the brush pin and the motor slot.

- Step 5** Follow this step very carefully. If brush pin is inserted in the motor slot incorrectly, the brush will not cradle the armature correctly. The brush will rise up and the carbon will scratch the armature destroying your motor! Slide the new brush in with the brush pin facing downward. Lift up on the brush and push back down to lock in place. The brush pin should be inside the motor slot. The brush should lock into place.
- Step 6** Tighten both screws of the metal brush clamp. Be careful not to over tighten!
- Step 7** Repeat steps 3 - 6 to change the other brush(es).
- Step 8** Make sure to plug in your unit and test run the motor before replacing the lid. The new brushes may spark more than normal until they wear in. Turn it on and off several times quickly to give the carbon a chance to cradle around the armature. If you have a variable speed unit, turn it on low for a few minutes to give the carbon a chance to cradle around the armature.
- Step 9** Gently replace foam to its original position.
- Step 10** Remove old excess silicone caulking from lid and unit with a utility knife. Seal all around the top of the unit with new silicone.
- Step 11** Replace the lid. Silicone may squeeze out, this is normal. Start each screw, do not tighten until all screws are started. If not, you will not be able to get the last couple of screws in.
- Step 12** Let Silicone dry. It is important that you allow your unit to sit overnight so that the silicone can dry. If silicone is not allowed to dry properly, the lid may leak.
- Step 13** Using your utility knife cut away the excess silicone.