

## Operating Instructions for #86844 Powered Sander / Filer

*Use your Powered Sander / Filer  
with a 12 volt DC power source only.*

### Sanding

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1. Choose your sanding head. Trace its form onto your desired adhesive-backed sanding grit and cut out the form. Apply the grit to the sanding head.
2. Press the ball-joint at the end of the reciprocating mandrel into the raised rear receptacle of the head until you hear it “snap” in. To remove a sanding head, simply pull off the head by hand in reverse action of installation.
3. Attach the tool to the power source, observing the tool’s polarity guide...the center pin on the plug which automatically positions the tool for the “+” and “-” receptacles.
4. To start the reciprocation action, turn the tool on by pressing the rocker switch at the back end of the unit. Select the desired speed with the Transformer.

### Filing

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1. Slide the vented nose cap off of the head of the tool to reveal the set screw and the brass fitting. With the Hex Key provided, loosen the set screw 1/2 turn and pull out the sanding mandrel, saving it for later use. The vented nose cap is going to be placed onto the desired file during set-up.
2. The unit accepts file handles up to 1/8” in diameter. But, they must be smooth handles with no knurling in order to be inserted correctly. Our #87190 Micro File Set has knurled handles, but their diameter is only 3/32”, so they can be inserted unimpeded.
3. Insert the handle of the file through the top opening of the cap and then into the brass fitting to a depth up to the form of the file, or until the handle “bottoms out” inside the brass fitting. Tighten the set screw and fit the nose cap back onto the tool.
4. See steps #3 and #4 of the Sanding section above for the power-up procedure.

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