**Step# 1**

Install **O-ring** spacer to threads on motor. “Screw” all the way down, till contact is made to the base of motor.

**Step# 2**

Insert **Mandrel** into collet. Leave a 1/16” (1.6mm) gap from the bottom of **Mandrel** shank. Depress lock button on motor, use 3/8” (9.5mm) open end wrench to tighten collet nut.

**Step# 3**

With the small allen wrench (included in kit), remove **Mandrel Screw** from the **Mandrel**. Thread on **Lower Housing** and snug down fairly tight. Align Sharpie logo with lock button on motor. Test run motor to ensure smooth operation.

**Step# 4**

Remove ONLY the 2 side screws from **Upper Housing** using the large allen wrench (included in kit) to detach the **Upper Housing** from the **Lower Housing**.
Step# 5
Install Grinding Wheel while pressing the motor shaft lock button on motor.

Step# 6
Install Upper Housing press down to check the grinding wheel height. It should be flush with the lower edge of the side window in the Housing. (To adjust the Mandrel height, see step #2).

Step# 7
Thread in one side screw and leave loose. Thread in 2nd side screw and tighten each screw evenly.

Step# 8
Test run motor to ensure smooth operation.

Congrats! Your new Sharpie Tungsten Grinder is ready to go.
Please be sure to use proper eye, ear and breathing protection when in use.
Consult the Sharpie Operations Manual before operating.