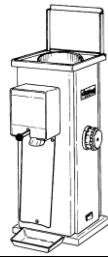




U.S. Distribution Center  
8801-B Smiths Creek Rd, Wales, MI 48027  
Tel 810-367-7125 Toll-Free 800-835-5992  
Fax 810-367-7130



**Ref. Models:**  
804 Series  
805 Series  
903 Series  
1203 Series  
1403 Series  
1800 Series

## SERVICE TIP #R3

### DIRECTION OF ROTATION

**ditting grinders MUST TURN COUNTER-CLOCKWISE.** If the grinder turns clockwise, the ground coffee will not come out and WILL CLOG the grinder.

To check for direction, turn the machine on for a moment and then turn it off. As the motor is slowing down, look down through the hopper base opening at the turning nut, and make sure that it is turning counter-clockwise. If it is not, do the following **BEFORE GRINDING ANY COFFEE.**

**MODELS 804 / 805 / 903 / 1203 – 120 volt grinders:** This is needed **ONLY** if a service person worked on the base wiring and did not wire the motor properly.

1. You must have an Ohmmeter to check the resistance of the pairs of wires.
2. From the motor, there are two sets of wires going to the terminal block on the base.
  - a. One color with the lower resistance is the primary winding.
  - b. The other color wires with the higher resistance are the secondary motor winding.
3. Swap the two secondary wires, and your rotation will be reversed.

This needs to be done only once for proper wiring of the grinder.

**MODEL 1403 – 220 volt, 3 Phase grinders:** This is needed **ANYTIME** you plug the grinder into a new outlet.

The electrical configuration of the outlet depends on the wires coming from the power company transformer, and you must check and correct for rotation every time you move the grinder into a new 3 phase outlet.

1. Unplug the grinder.
2. Open the electric plug of the grinder. You will have 4 wires: a green (ground), and 3 other wires, normally 1 black, 1 red, and 1 white. (The factory may change the color of the wires without notice)
3. You can take any two of the wires **EXCEPT THE GROUND WIRE** and swap them.
4. Make sure the screws are tight over the changed wires.
5. Close the plug and install the screws.
6. Check the grinder for rotation.

**If you have any problems or questions, consult Ditting USA at 810-367-7125.**

Visit our website at [www.ditting.com](http://www.ditting.com) for this and other service tips.