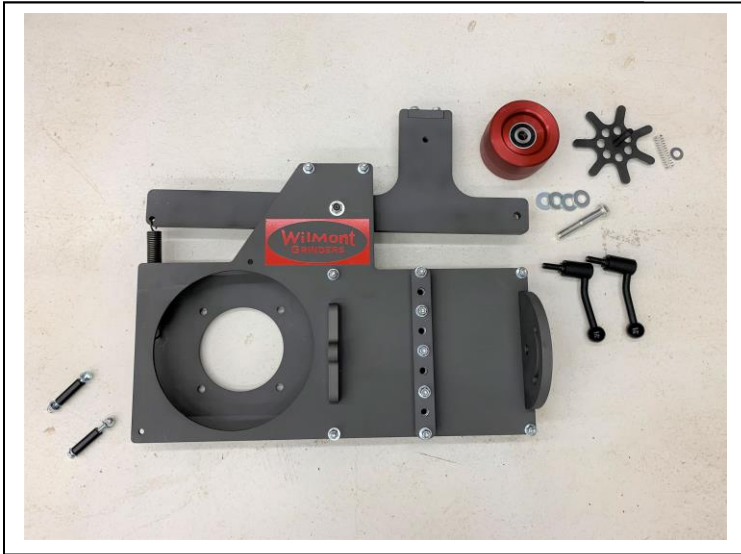


# Wilmont Grinder Assembly Manual – Quattro



In order to assemble your Wilmont Grinder you will need a few basic hand tools:

- 7/16 wrench
- 7/16 Socket wrench
- ¼" Allen wrench
- 9/16 wrench
- 3/4 wrench

**Step One:** Attach the two black round **Rod Spacers** between the two **Vertical Plates** on your Grinder. Use 2ea – ¼ x 20 x 2 ½ inch **Bolts** with ¼ inch **Washers & Nyloc Nuts**. It is important that you do this in the correct order so that you are not fighting the spring needlessly. The first one to connect is the one that attaches through the end of the **Spring**, as seen in Photo 2. If you have any issues with getting the spacers between the two plates just loosen the closest ¼ x 20 **Bolts** to allow easier insertion.



Photo 2 – Base Plate assembly

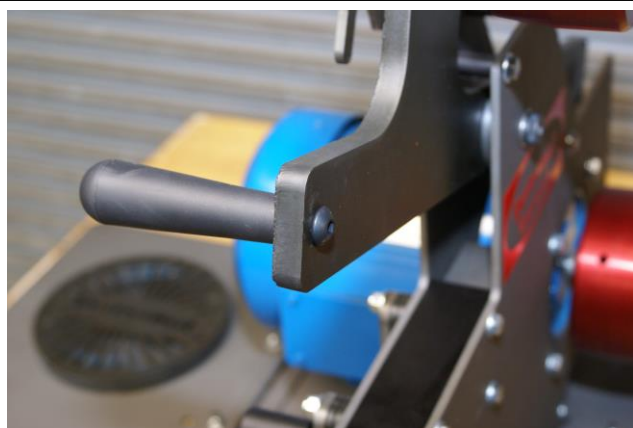


Photo 3 – Tapered handle

Push down gently on the **Pivoting Arm** while inserting the second **Rod Spacer**. When you have the **Rod Spacers** in place, tighten all the ¼ inch **Bolts** that are holding the Grinder body together. At this point, the Grinder should be upright and sturdy.

**Step Three:** Attach the tapered handle to grinder body using the included 3/8-16"x1" long button head bolt.

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Photo 4 – Tilting stand



Photo 5

**Step Four:** Put the  $\frac{1}{2}$ "x1" shoulder bolt with a  $\frac{1}{2}$ " washer in your assembled stands back hole as in photo 4, Next place grinder body on the stand using the rear shoulder bolt as in photo 5.

Next place Front shoulder bolt and  $\frac{1}{2}$ " washer in front pivot and stand as in photo 6.

Next put  $\frac{3}{8}$ " washers and nylocs on both shoulder bolts

And tighten fully.



Photo 6



Photo 7 – Tilting stand adjustable handle

**Step five:** Place the  $\frac{3}{8}$ -16" adjustable handle and  $\frac{3}{8}$  Washer in tilting stand to lock grinder in Vertical or Horizontal position.

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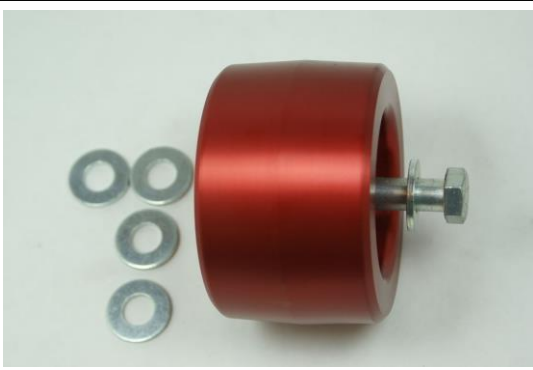
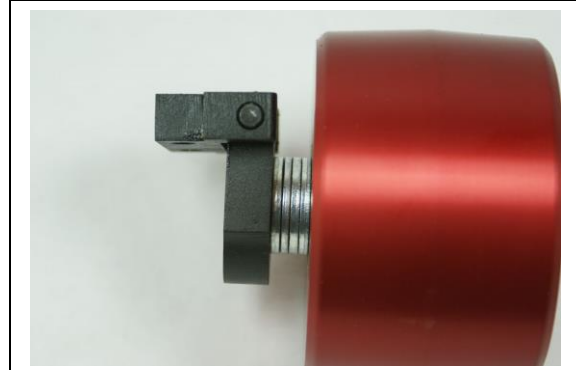


Photo 8- Tracking wheel



**Step Six:** Install the red **Tracking Wheel** using the included  $\frac{1}{2}$ -13 x 3" inch **Hex Bolt**. Placement of the 5ea -  $\frac{1}{2}$  **Washers** is crucial to proper tracking. 1 Washers go under the head of the Hex Bolt, as seen in Photo 4, and 4 between the Tracking Wheel and the Grinder, as seen in Photo 5. Tighten the **Bolt** with a  $\frac{3}{4}$  wrench.



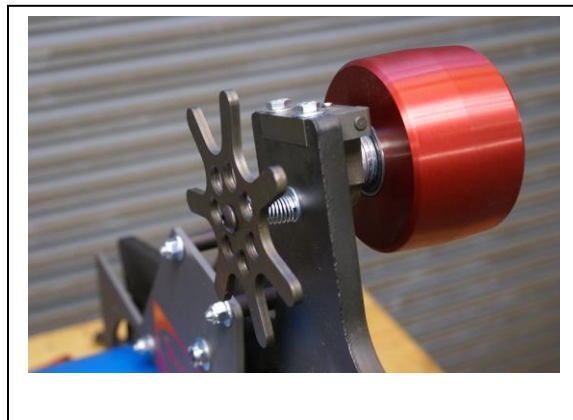
**Step Seven:** Attach your 56C Face Mount Motor to your Wilmont Grinder. with included  $\frac{3}{8}$ -16 x  $\frac{5}{8}$ " hex head bolts and washers as in the photo to left.



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**Step eight:** Thread the seven star **5/16-18 Tracking Control Knob** (spring & washer) into the upper portion of the **Pivoting Arm**, bottom hole, until you contact the hinged **Tracking Plate**. Continue threading in until this **Plate** is parallel with the sides of your Wilmont Grinder. See Photo .



**Step seven:** Next place your drive wheel on the motor, we have found that having the motors drive shaft to be recessed about  $\frac{1}{4}$  inside of the drive wheel to be about the right location. I run some 220 grit sandpaper over the  $\frac{5}{8}$  shaft for a few seconds to remove the high spots and remove all burrs. Do a test fit to the drive wheel to ensure its not too tight a fit before placing key on the shaft. You should not have to hammer the drive wheel on, if so sand the motors shaft very very slightly with high grit paper. Sometimes sanding some off the key is necessary in order to get drive wheel on . Once drive wheel is on and where you want it

ensure you rotate allen key using something like a adjustable wrench so you have enough leverage to get it properly tight.

**Step Eight:** Once all wheels are on grinder and its properly wired turn grinder on and adjust the tracking knob until belt is in the center of the flat platen. Next turn grinder off, and look to see if belt is in the center of the drive wheel. If not move drive wheel in or out so when belt is centered on flat platen it is also centered on drive wheel.



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You should now have an assembled Wilmont Grinder. The motor selection varies depending on the type of grinding work intended. Please consult a Licensed Electrician for advice regarding the selection and installation of your motor.

### Maintenance and Service Notes

- After the first 30 minutes of use check all fasteners for tightness.
- Operation speeds are determined by the motor which you provide. Follow all instructions provided.

### Limited Warranty

**When you put a belt on the grinder for the first time, pull the flat platten out far enough so that the upper Pivoting arm is parallel to your tabletop!**

**Weak belt tension is usually the culprit for bad tracking.**

Wilmont Grinders, LLC warrants this product for a period of 90 days to the original purchaser from the date of purchase. Wilmont Grinders, LLC warrants this product against defects in material and workmanship, and will at its option, repair or replace, free of charge, any part found to be defective in materials or workmanship. This limited warranty shall only apply if this product has been assembled, operated, and maintained in accordance with the Operator's manual furnished with the product, and has not been subject to misuse, abuse, commercial use, neglect, accident, improper maintenance, alteration, vandalism, theft, fire, water, or damage because of other peril or natural disaster. Please contact us at: [www.wilmontgrinder.com](http://www.wilmontgrinder.com) for any issues regarding this product.