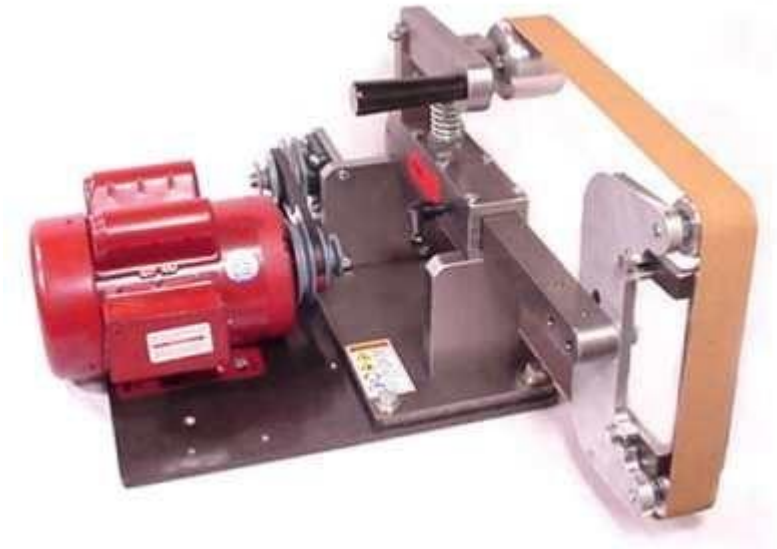
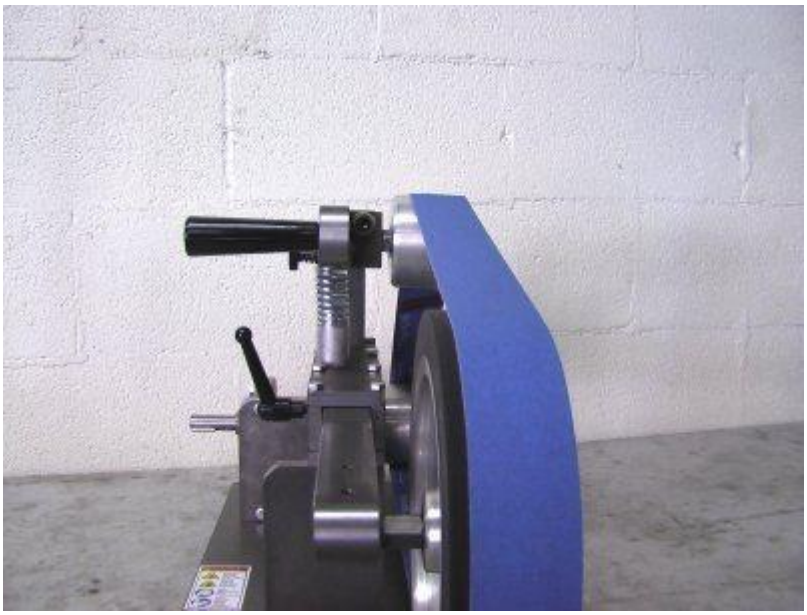
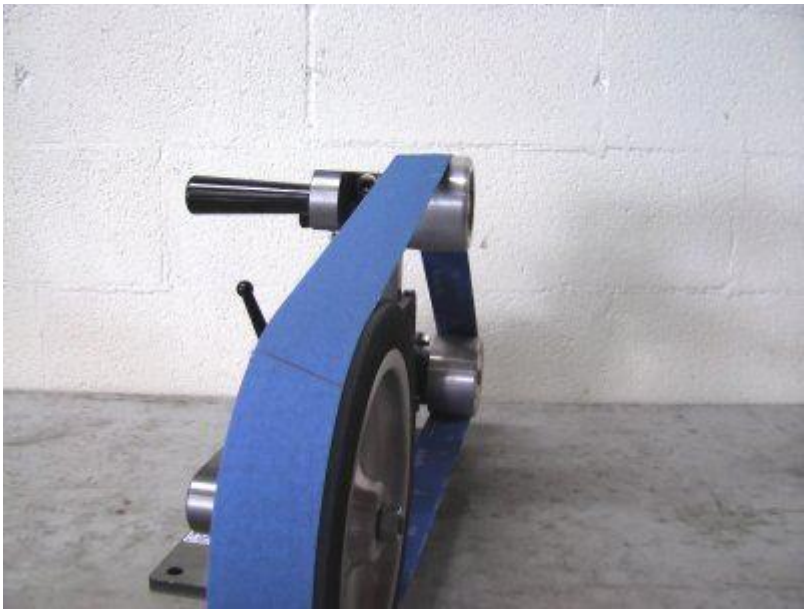
Initial adjustments on the KMG

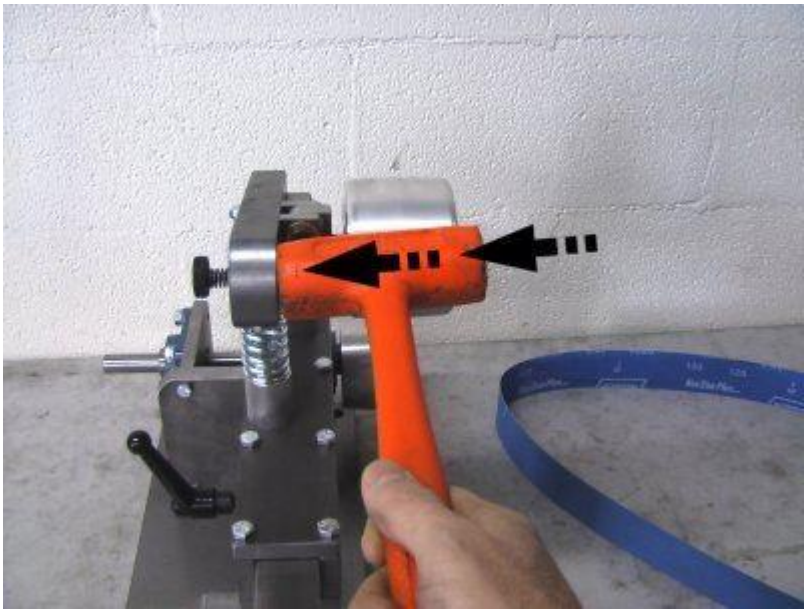




Initially, the belt may track to the right or left which causes the tension wheel to be tilted excessively up or down when viewed from the front of the grinder.

The KMG has some built in adjustment to allow for this rough tracking alignment. This procedure is used to align the upper half of the chassis with the lower half.



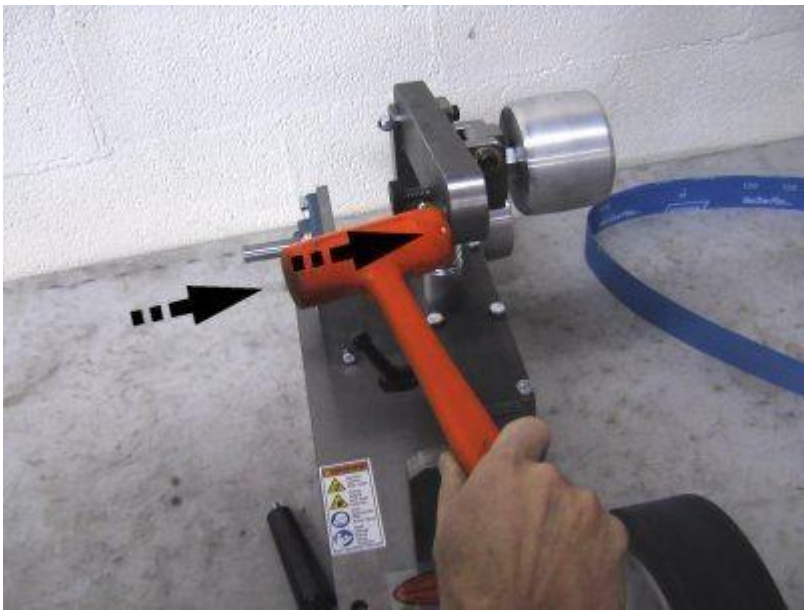


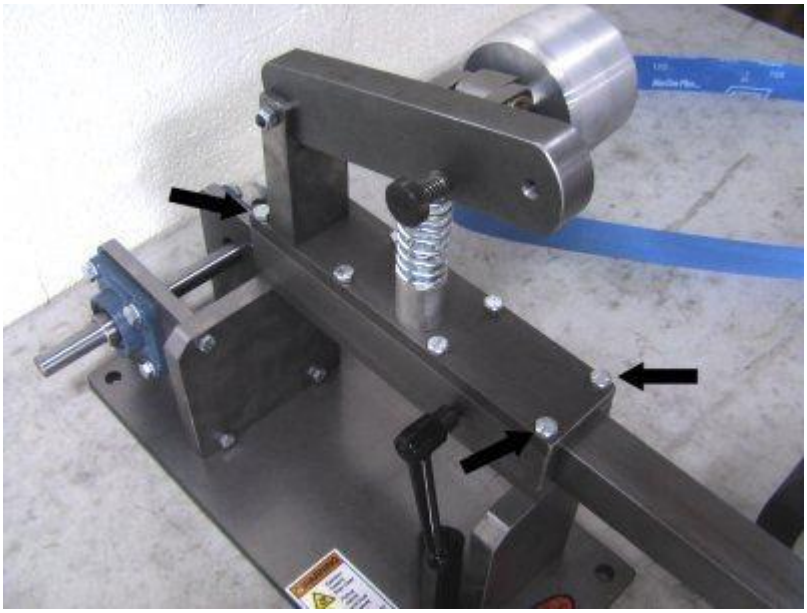
If the belt is normally tracking to far to the right, it can be moved more towards the left by moving the upper chassis to the left.

Remove the tapered handle by unscrewing it. Using a soft hammer or mallet, strike the tension arm to the left with a firm blow. This will rotate the upper chassis to the left and the belt tracking will follow. It may take several firm strikes. Check and repeat as needed.

Like wise, if the belt is normally tracking to far to the left, it can be moved towards the right by moving the upper chassis to the right.

Remove the tapered handle by unscrewing it. With a soft hammer or mallet, strike the tension arm to the right with a firm blow. See the photo.





To make things easier and to get more adjusment, you can slightly loosen the 4 bolts on the corner of the tooling arm receiver that fastens the upper

chassis to the lower chassis.

Retighten after you've made the adjustments.

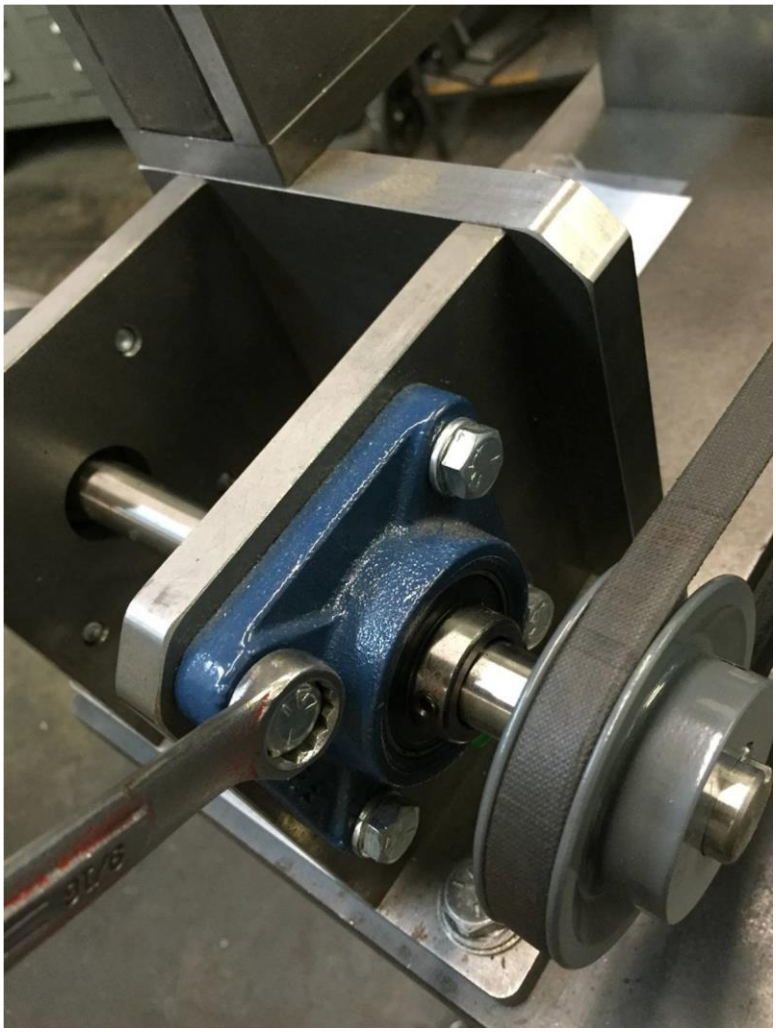
This procedure is a "rough" adjustment to get the overall tracking more centered. It is expected to see the tension wheel tilted up or down as needed for fine adjustments and the belt is not expected to run in the center of the drive wheel or tracking wheel as long as it runs properly on the contact wheel, platen attachment, etc.

Back to the KMG Grinders

Tuning the KMG's tracking system.

If you find the tracking wheel is tilted at an extreme angle to keep the belt in the center, here is a quick adjustment to get the belt tracking in a neutral position. This is done by adjusting the position of the driveshaft.

Set the tracking wheel so that it is level and observe how the belt tracks on the machine. It might be far to the left or to the right. Notice how the belt rides on the rear drive wheel. In this case the belt is clearly riding toward the inside.



The adjustment for this condition is to slightly loosen the 4 bolts that mount the bearings. This requires a 9/16” wrench.

Starting with the pulley side, loosen the bolts then use a rubber mallet and tap on the pulley to shift the drive shaft towards the rear of the grinder. The bearing unit will move about 1/16” towards the rear. Tighten the bolts and check the tracking. You will notice that the belt will run more towards the center without any adjusting on the tracking wheel.

If this helped, but not enough, then repeat the process on the drive wheel side, except move the drive wheel towards the front of the grinder. Loosen the bearing bolts, tap the wheel towards the front until the bearing shift forward approximately 1/16” and retighten the bolts.