

Vario Gear/Belt Replacement

Tools needed: Pliers, #2 flathead screwdriver, Phillips screwdriver, offset screwdriver, 2.5mm allen key

(or ¼ wrench and screwdriver bit in place of the offset screwdriver)

Before step 1- Unplug your grinder!

Remove the hopper, grounds bin and upper burr. The upper burr is sometimes held in very tightly and cannot be removed by hand- just grab it with a pair of pliers as pictured below for extra leverage, turning it clockwise



Flip the unit upside down. Remove the rear two silicone feet with your pliers (pictured below)



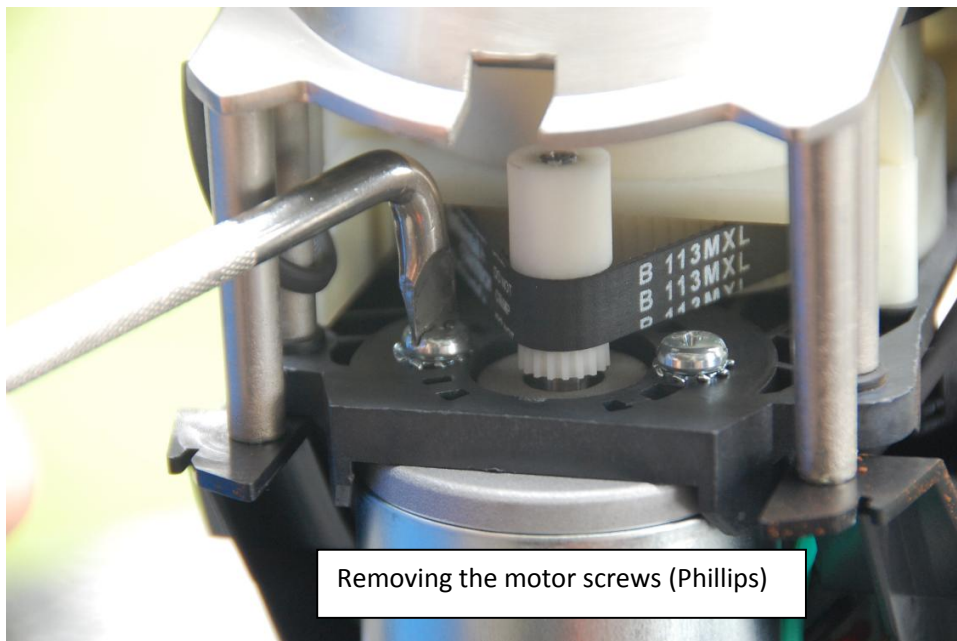
Remove the two Phillips screws from beneath the feet

Push the case from the front straight back and off the unit by applying even pressure as pictured with your thumbs



Remove the motor by removing the two screws. The screwdriver pictured below is an offset screwdriver, and you can see why it is necessary. A ¼ wrench and a screwdriver bit can be combined and used in place of the offset screwdriver. Newer grinders (in the 4000 and higher serial range) have a hexagon shaped Allen key screw instead of the Phillips screws pictured.

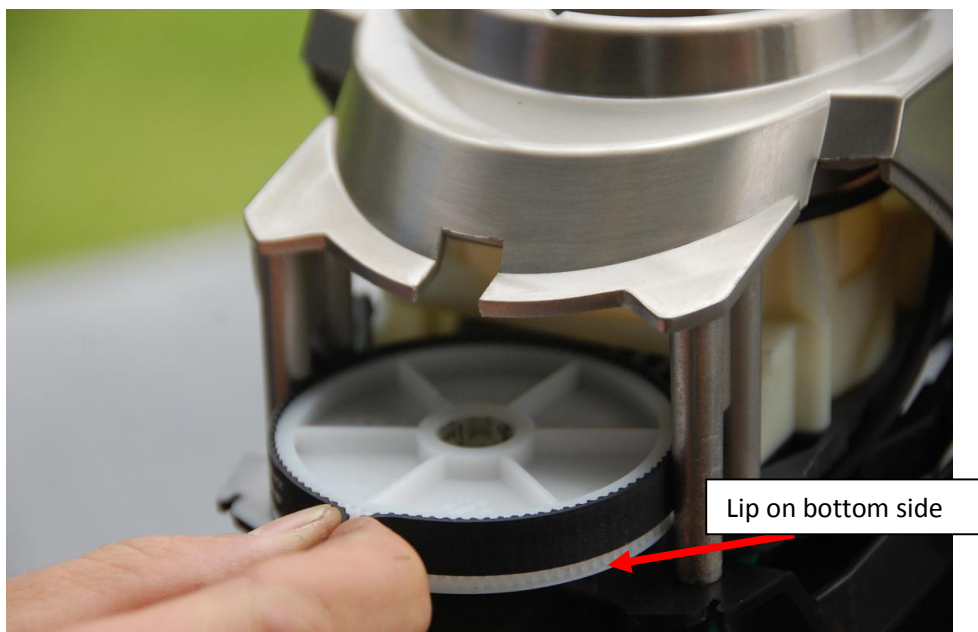




After removing the motor, hold the motor in one hand while flipping over the grinder with the other. A quick rap against the counter will drop the lower burr out from the grinder (see below)



Flip the unit back upright. Pinch the drive belt and pull firmly to remove the belt and large pulley. Replace belt. TAKE NOTE that there is a lip on one edge of the large pulley. This lip should be on the bottom side.



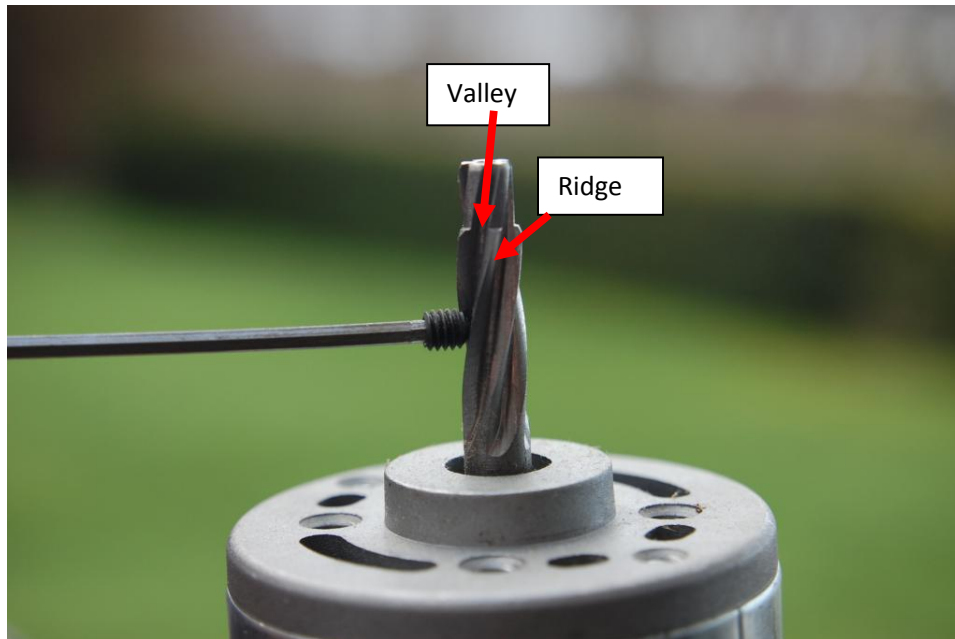
Line up the hexagon shaped pulley with the bushing hole as pictured below so that the lower burr can be re inserted



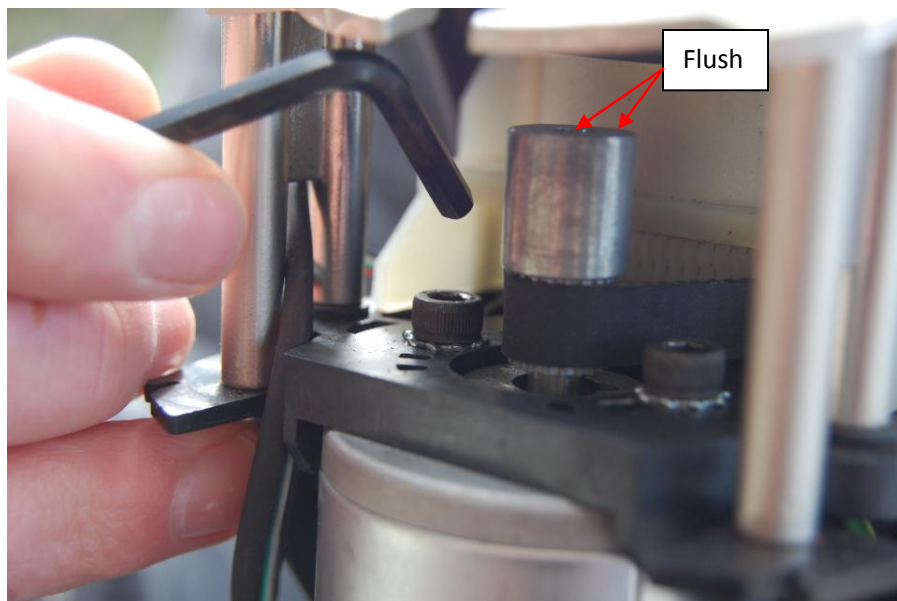
Pry off the old motor pulley.



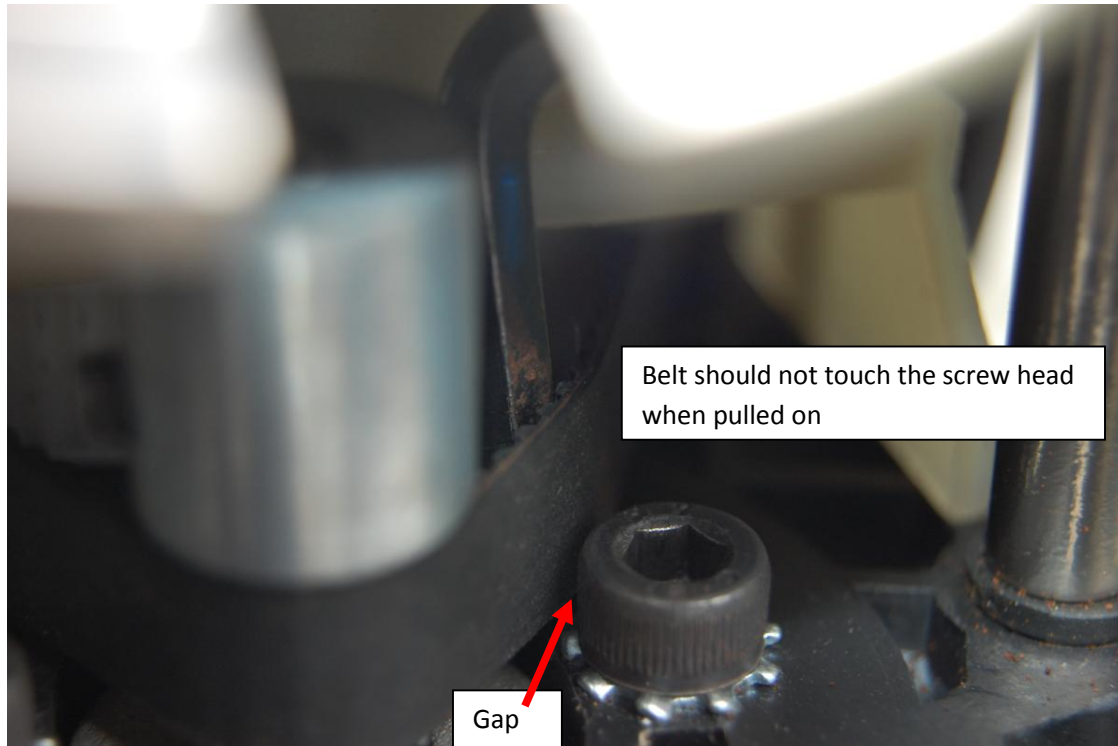
Replace with the new pulley. Make sure when the set screw is installed that it sits in the 'valley' of the helical motor shaft and not on one of the 'ridges', otherwise when you start the machine the screw will fall off of the 'ridge' and the pulley will no longer be secured.



Ensure that the new pulley is fully inserted onto the shaft; the shaft should be flush at the top of the pulley. Put the motor back in, but just snug up the screws without tightening them. Rotate the motor to tension the belt, and keep the belt tension with one hand while tightening the left screw firmly. Allen screws pictured below.



To check the belt tension- Push on the belt in the middle between the two pulleys. The belt should fluctuate about two millimeters.



Slide the case back on. Replace the two Phillips screws. Moisten the feet and reinsert.

