

# Virtuoso

## Adjusting the Rotational Speed of the Burrs

### To remove the case of the grinder

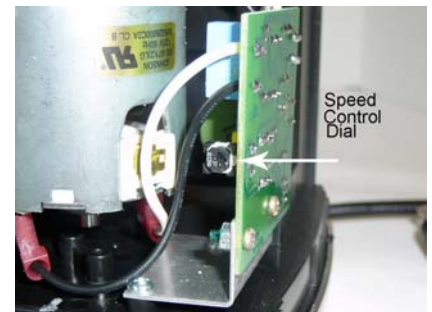
First remove the timer knob by pulling it straight out (you can use pliers if the knob is tight.) The black sides, back and the top cast metal part unsnap from four small catches at the bottom of the black plastic sides. These snap features are slightly visible along the sides of the grinder. Locate the 1/16 inch gap between the metal base and the black plastic side panels. About ½ inch from the front and back of the grinder, you can see a small slotted recess on the bottom edge of the black side panel. The trick is to insert a flat blade screwdriver into the slot and gently pry outward and upward. Begin with the slot near the rear, and then gently pry the forward slot. Now switch sides and do the same procedure on the opposite side of the grinder. ONLY after all four snaps are released will you be able to see much upward movement of the side panels. You may need to come back to the side you started on and gently pry one more time before the case will totally release. Slide the case up and off the top of the base of the grinder.



### Adjusting the speed control dial:



The speed control dial is located on the rear edge of the PCB (the square, green, Printed Circuit Board). The actual dial (see arrow in the lower photo) is black or orange and has a “cross” on it for using a Phillips screwdriver to adjust it. To adjust the speed, rotate the dial clockwise to increase and counter clockwise to decrease. Our experience has shown that a slower speed will help dark roasted and



large beans, feed better into and thru the grinding burrs.

### Re-assemble the grinder

Now you are ready to re-assemble the case to the base. Rotate the grind adjustment all the way counter clockwise until it stops. Grab the case (sides and top casting). Slide the case down over the base until you're within ¾ inch of being all the way down. At this point, put forward pressure on the metal top so that you maximize the clearance between the back of the rubber button and the top edge of the front micro switch. It is possible for the flange on the rubber button to catch on the micro switch...not good...if this happens you'll need to slip the case off again and give it another try. As you carefully push the top/case down over the base, push down firmly to insure that all four snaps connect. Reach under and just behind the top casting just below the pulse button. Lift up on the plastic “roof” of the bin compartment (right behind the metal lip) about ¼ inch. The purpose in this step is to properly align the rubber button with the micro switch. Test the pulse button by pushing on the lower half of the button; you should hear a faint “click” of the micro switch. Install the bean hopper with silicon bean gasket. Install the grounds bin.