

English XL VIT Sander User Guide

(Version 4, Released 10/13/23)



Initial Test Foot Conditioning

This process is required only when the test foot has previously been prepared using a different sander or any alternative sanding method.

1. Remove the test foot from the English XL VIT. Screw the test foot fully into the top half of the sander. Bottom out the test foot into the threads firmly enough that the sanding circles will not unscrew the test foot. Always be careful not to touch the face of the test foot with your fingers or otherwise contaminate the test foot.



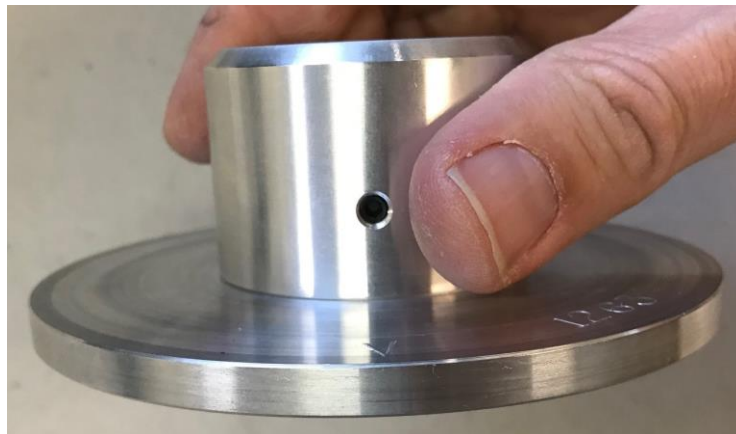
- Using a ballpoint pen, draw 4 equally spaced straight lines through the center of the test foot face to make 8 equal slices like a star.



- Using a clean paper towel, press on the entire surface of the sandpaper to verify it is fully adhered to the sander base.



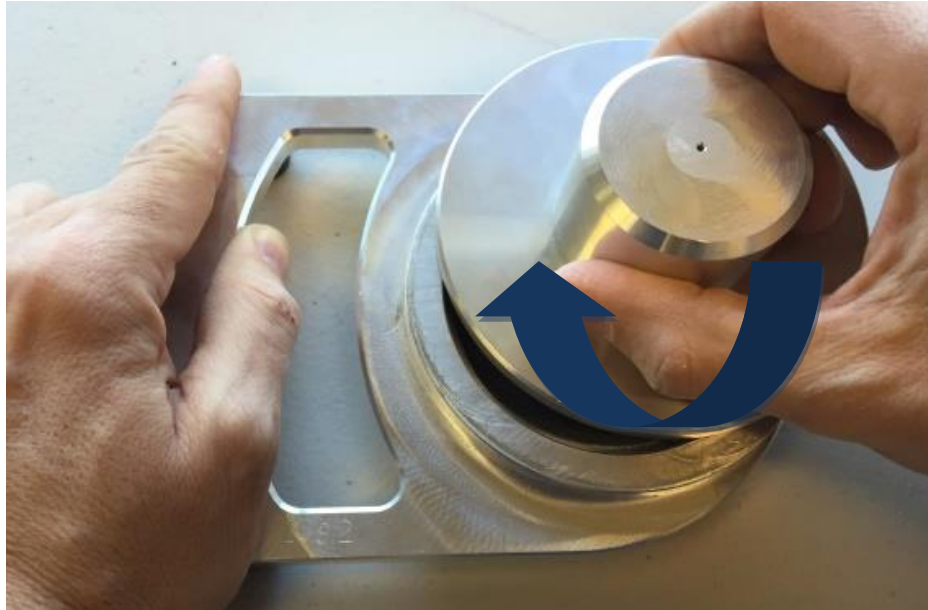
- Cover the sander top set screw with your thumb to align the top to the base the same way every time.



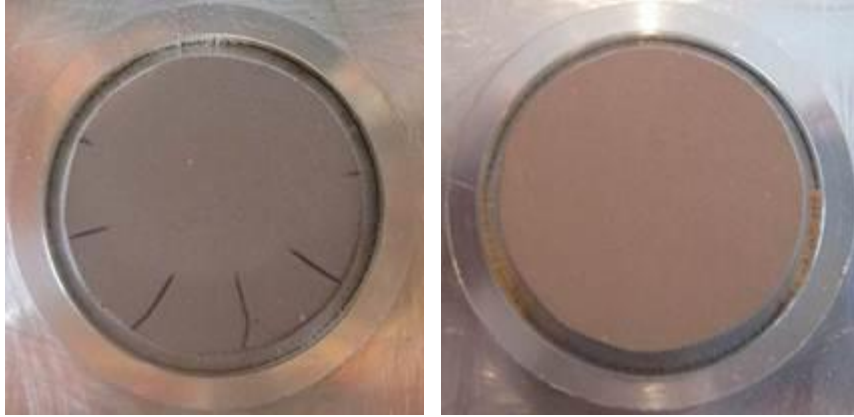
5. Place the sander top on the sander base with the test foot against the sanding disc. Lightly press the top against the raised ring of the base so the skirt touches the ring of the base. A light touch against the base will suffice.



6. Hold the base on a firm surface with one hand and grip the bottom of the knob with the fingers of your other hand. Use light pressure against the inside lip of the base to guide your circles around in the base. Move the top of the sander in clockwise circles around in the ring of the base while maintaining full, smooth, and even contact between the skirt and the raised ring of the base.



7. Sand the test foot until all ink is gone. This may take hundreds of circles, depending on the prior shape of the test foot. Brush sanding dust from the base about every 50 circles.



8. Draw another star and sand the test foot until all ink is gone again. Only about 30-50 circles are usually needed the second time.
9. Clean the sanding dust from the test foot and the sanding disc with your dust brush. Always clean sanding dust away from any testing area.
10. Unscrew the test foot from the top half of the sander. Always be careful not to touch the face with your fingers or otherwise contaminate the test foot.



11. The test foot is now ready to be used for calibrations and slip resistance measurements with your English XL VIT following the current English XL VIT User Guide.

Test Foot Preparation for Calibrations and Slip Resistance Measurements

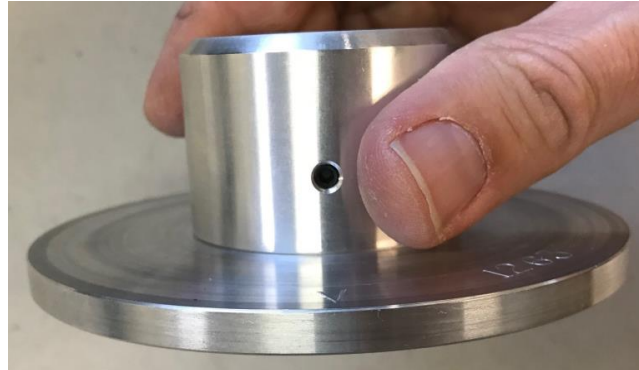
1. Remove the test foot from the English XL VIT. Screw the test foot fully into the top half of the sander. Bottom out the test foot into the threads firmly enough that the sanding circles will not unscrew the test foot. Always be careful not to touch the face of the test foot with your fingers or otherwise contaminate the test foot.



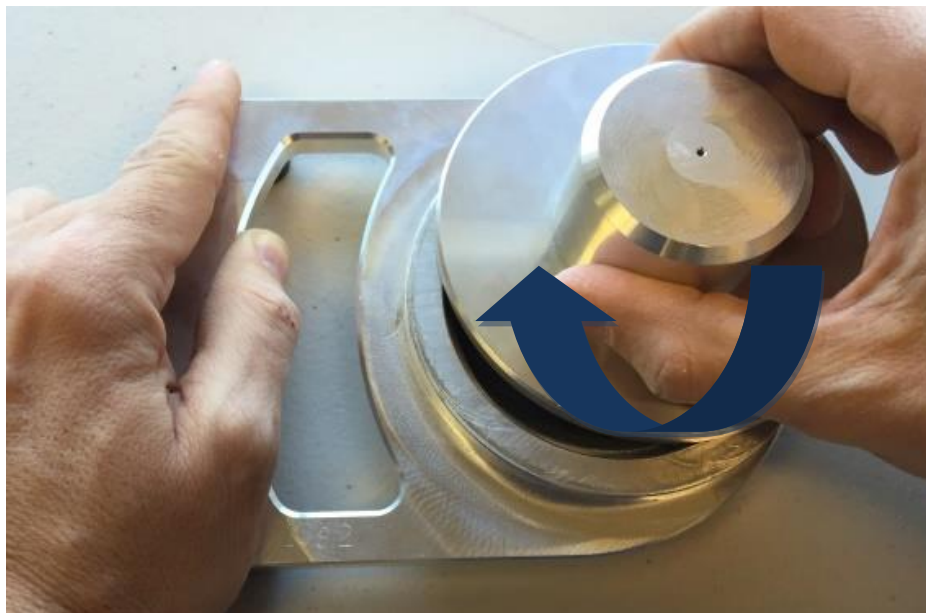
2. Using a clean paper towel, press on the entire surface of the sandpaper to verify it is fully adhered to the sander base.



3. Cover the sander top set screw with your thumb to align the top to the base the same way every time.



4. Hold the base on a firm surface with one hand and grip the bottom of the knob with the fingers of your other hand. Use light pressure against the inside lip of the base to guide your circles around in the base. Move the top of the sander in clockwise circles around in the ring of the base while maintaining full, smooth, and even contact between the skirt and the raised ring of the base.



5. Perform 5 to 10 clockwise circles while maintaining full, smooth, and even contact between the skirt and the raised ring of the base.
6. Clean the sanding dust from the test foot and the sanding disc with your dust brush. Always clean sanding dust away from any testing area.

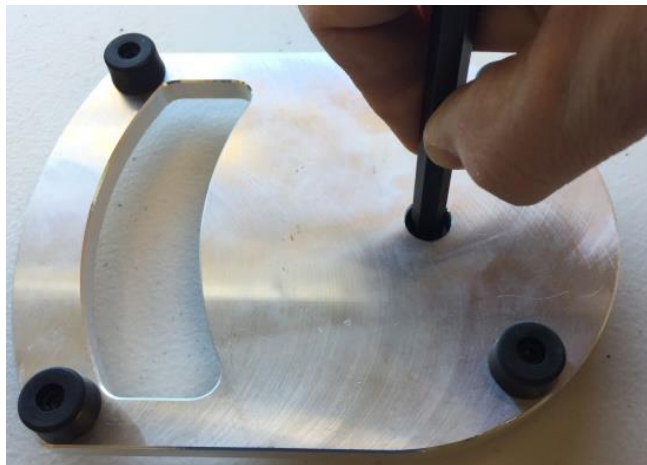
7. Unscrew the test foot from the top half of the sander. Always be careful not to touch the face with your fingers or otherwise contaminate the test foot.



8. Remove the test foot from the sander and reinstall on your English XL VIT following the current English XL VIT User Guide.

Replacing the Sanding Disc

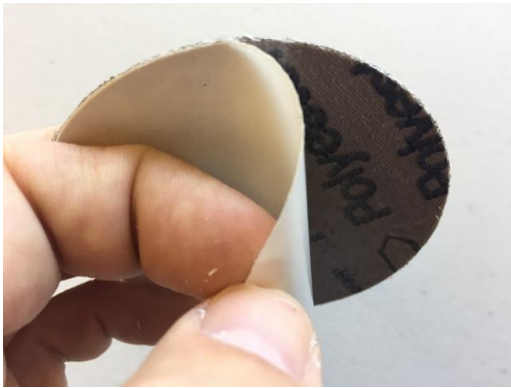
1. To remove the old sanding disc, turn the sander base over and press a dull tool through the service hole. A large Allen wrench works well.



- Carefully peel the adhesive disc from the base. The disc may leave behind its adhesive film. Peeling slowly will leave the least residue. Clean the exposed surface of the base with a solvent (e.g. lacquer thinner, isopropyl alcohol) to remove all adhesive residue.



- Remove the backing from a new sanding disc, center it in the base, and press it into position.

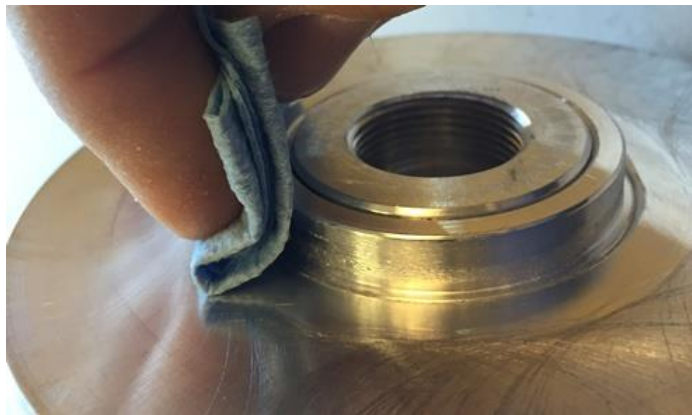
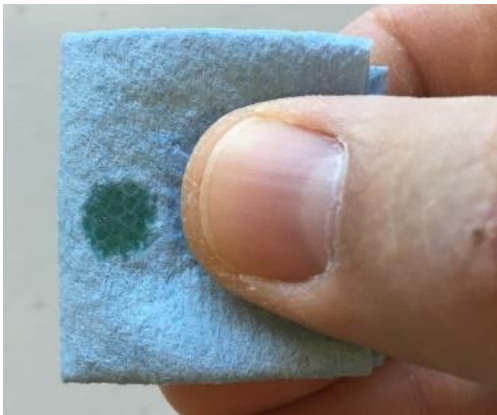


- Using a clean paper towel, press on the entire surface of the sandpaper to verify it is fully adhered to the sander base.



ADVISORIES

1. Each sanding disc should last up to one year of normal use.
2. Always make clockwise circles when using the sander. Counterclockwise circles will unscrew and misshape the test foot.
3. After the test foot is initially threaded, it is smoother and quicker to screw and unscrew the test foot by holding the test foot and spinning the top of the sander.
4. When a test foot is reshaped by hand-sanding, Initial Test Foot Conditioning must be performed before using the sander for test foot preparation for calibrations and slip-resistance measurements.
5. Old test feet may have irregularities in the threads. Do not force them onto the sander. Filing any visible burrs and dents on the threads of the test foot may eliminate any misfits. If the test foot does not screw into the sander smoothly and easily, it's time for a new test foot.
6. Light lubrication can make the sander smoother to operate. Place one drop of oil on a paper towel and apply it only to the shoulder of the top half. Lubricating other surfaces may make the operation gummy from sanding dust accumulation.



7. Sanding dust accumulation can make the sander feel gummy. Wiping the mating surfaces with a clean paper towel to remove the dust will restore smooth operation.



8. The boxes we use when shipping an English XL VIT with a sander are 20x10x8 inches, with a layer of bubble wrap in the bottom of the box, and ample bubble wrap or air cushion to separate the sander box (white, 8x8x2 inches) and the nylon instrument case.



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