

# Sander Trouble-Shooting List

The most common problem encountered when running the Woodmaster Drum Sander is taking too heavy of a pass in the wood. This machine is meant to take light passes only. 1/8 of a turn of the handle (1/128") per pass is the maximum recommended.

## **CAUTION:**

*Disconnect all power to machine before making any of the following adjustments, as well as any other adjustments on the machine. Replace all machine covers, etc., and check for tightness before reconnecting the power.*

## Common Problems

### Leaving ripples in wood:

- Check the Velcro ® . If its surface is worn, rippled, or no longer properly adhering to the drum then it must be replaced.
  - Check to make sure that the bed is both even, and sitting firmly (via the jack posts) in the base of the machine.
  - Check the pinch rollers. If they are not firm then you may have to replace the springs and/or bushings).
  - Check to make sure that the drum cannot be lifted up/pushed down by hand. If so, then the bearings may have to be tightened up (when tightening the bearing housing make sure that the Drum is even from side to side. Remember that you first have to remove the bearing lock collar. When re-installing the lock collar on the bearing make sure to put it on with the direction of the rotation that the drum will be turning in.
  - Check to make sure that the tie bars are tightened up (a.k.a. cross braces)
- Are ripples only along the seam of the conveyor belt? Even if this has just started happening?

### Conveyor Belt table is uneven:

Check the distance from the bottom of the jack posts (in other words, the top of the cog) to the bottom of the lugs (where the jack posts attach to the frame of the machine). If even one of the four jack post is a different measurement, then you must remove the chain that raises/lowers the bed of the machine, because it wraps around the jack posts. To do this, take the master link out of the chain. With the chain removed, even all four jack post - do this gradually as you can not properly adjust all of one jack post and then another.

### Conveyor Belt bed racks side to side:

Check the lugs on the jack post that the threaded rods go through. One or more may be stripped. It could be as simple as adjusting the tie bars. Or you may have to install Replacement Blocks (*sheet attached*).

### Conveyor Belt table is not tight in the base of the machine:

May require you to remove the top half of the sander from the machine base. Install brass inserts to tighten up the bottom of the jack post.

### Conveyor belt not tracking properly:

Adjust tracking adjustment bolts as required. They are located on the conveyor belt bed frame.

### Sandpaper is ripping:

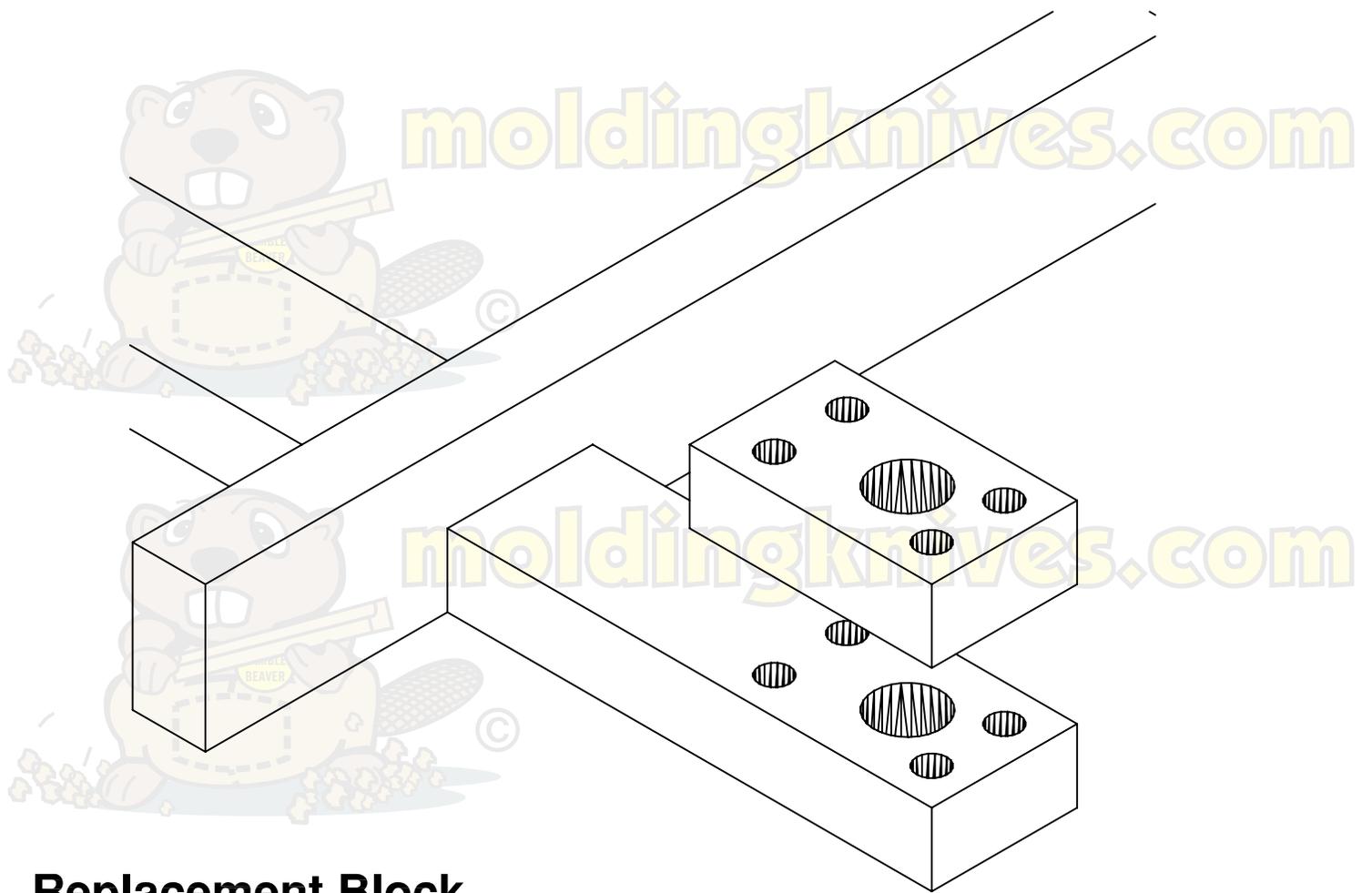
- When you wrap sandpaper on the drum you must leave a gap (approximately 1/8") between each wrap to allow for some expansion. The sandpaper will stretch, especially a brand new piece. Run a board trough two different places on the width of the drum and then stop the machine, disconnect all power to the machine, and re-tighten sandpaper to avoid the paper from bunching up and ripping when the next piece of wood hits the bunched up section of paper.
- When installing sandpaper, tape the starting end only. This is the end of the sandpaper that will be turning in towards your wood. Otherwise, if this becomes dog-eared and catches the wood the paper will rip off while the machine is being used. Do not tape both ends of the sandpaper as this will not allow the paper to stretch.

### Sandpaper is not properly staying on the drum:

Check the Velcro ® . If its surface is worn, rippled, or no longer properly adhering to the drum then it must be replaced.

### Misc:

Make sure that you have plenty of dust collection on the machine.  
Wood needs to be supported on both the in-feed and on the out-feed ends of the machine. Keep the machine lubricated as per machine manual.



## Replacement Block

for Woodmaster Sanders (to fit threaded jack posts)

If the internal threading is stripped on the Side Frame of your sander.  
In the sander Parts Listing this should be Key # 34, Part # D-28

Unplug your sander

Remove the machine shroud (Key numbers 4,14, 17, 18, 114, 115, & 116)

Remove the affected Jackpost(s) (Key # 36)

Ream out the hole of the old, stripped threading to prevent interference

Attach the Replacement Block by threading the Jackpost up through the Replacement Block

Clamp and drill two of the bolt holes, diagonal to each other. Install the required bolts washers, and nuts snug by hand (do not tighten yet)

Remove clamp.

Drill the two remaining holes. Install the required bolts washers, and nuts and snug by hand.

Make final adjustments and tighten all four bolts.

Adjust Jackpost height as required.