

Technical Help - Sheet 12

Product Category: Planer Thicknessers

Specific Products: W583, W585

Title: How to Adjust Feed Roller Spring Tension

Symptoms:

**When feeding timber through the thicknesser, only a shallow cut is made.
When attempting a deeper cut the timber will not feed = Spring tension too high**

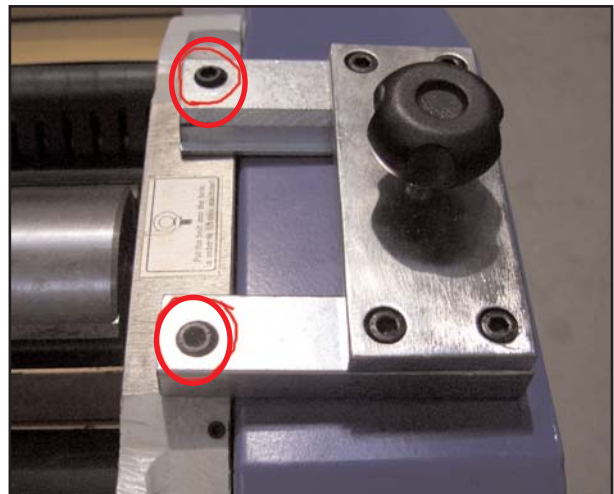
**The rubber outfeed roller is being worn excessively = Spring tension too high
When feeding timber through the thicknesser, the timber stops although the feed rollers are still turning = Spring tension too low**

Time to repair: 35 minutes

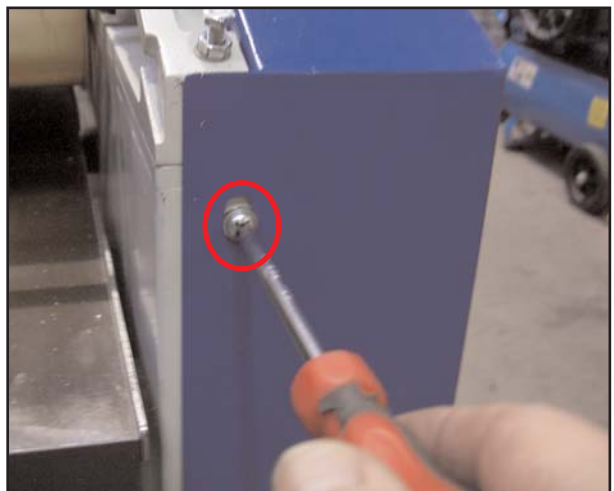
Skill level: Medium

Disconnect the machine from the Electric supply before starting any repair

1) Remove the fence and fence support bracket, using an allen key.



2) Remove all screws from the blue panel on the drive side of the machine and remove the panel.



3) Remove both rubber drive belts which run between the motor and the cutterblock.

4) Disengage one end of the Chain Tension Spring.



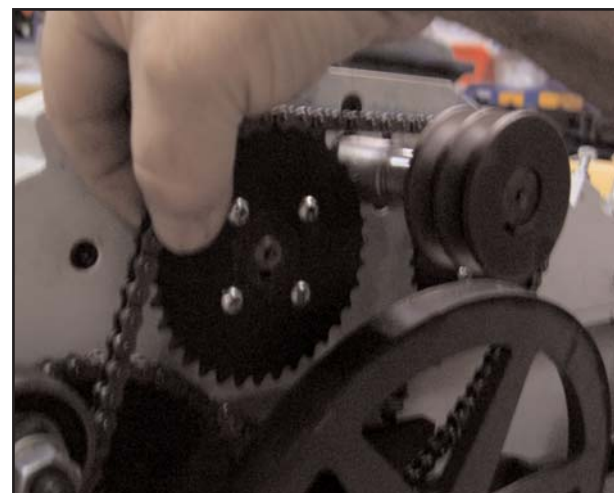
5) Disengage one end of the Drive Lever Spring.



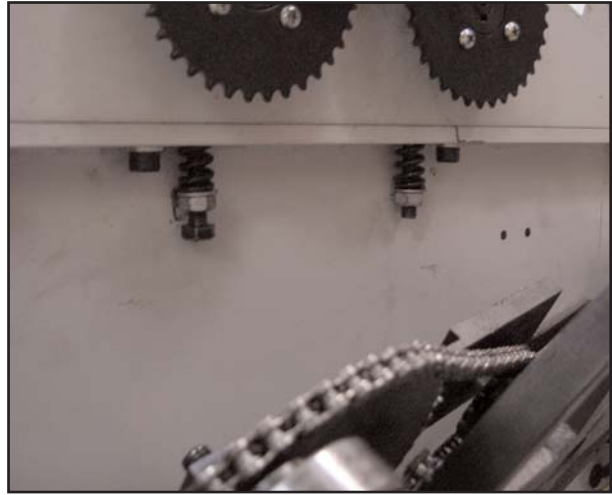
6) Using a 10mm socket, remove the chain sprocket fixing bolt. This will allow the whole drive mechanism to move. Use your other hand to support the mechanism when removing the bolt.



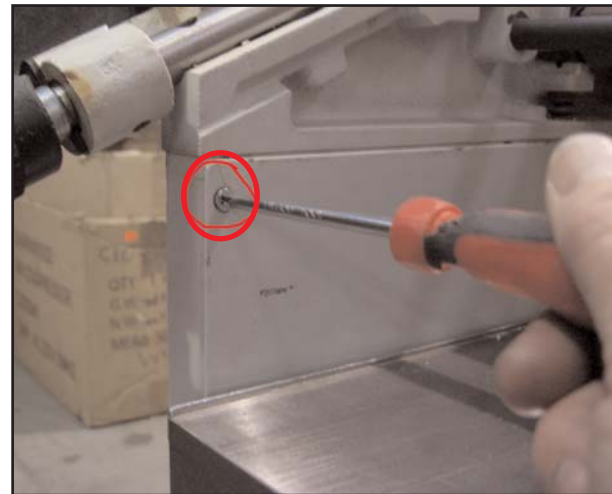
7) with the mechanism still supported by your spare hand remove the feed roller drive chains.



8) Lower The drive assembly to gain access to the spring adjusting nuts.



9) Remove all screws from the cover plate on the inside of thicknesser tunnel and remove the plate.



10) You now have access to all four adjusting nuts. As a guide, having approximately 5mm of thread below the nut seems to be average. If you need to reduce the tension undo the nut, lowering it down the threaded bar thus allowing the spring to expand. On the rubber roller, use a second spanner to hold the head of the bolt steady when turning the nut.

