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Frequently Asked Questions

How to change the spindle on the Comet II

Date Raised: 15 February 2017 Date Amended	Safe practices should always be employed to ensure the Health and Safety of yourself, employees and customers (if applicable) Refer to product manuals, exploded drawings and our website if further assistance is required, or contact us on service@teknatool.com

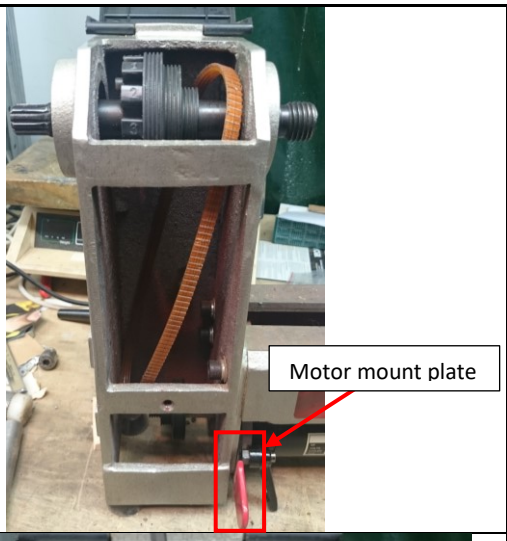
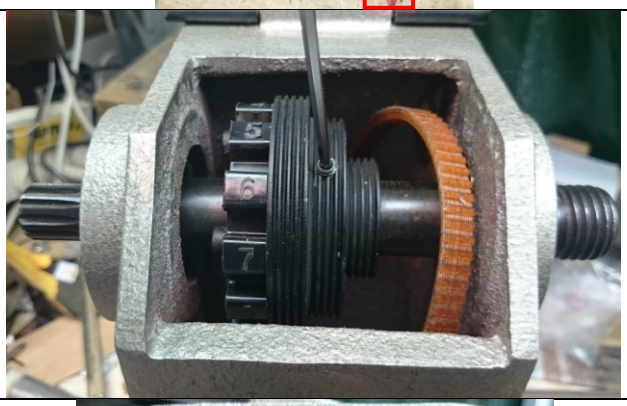
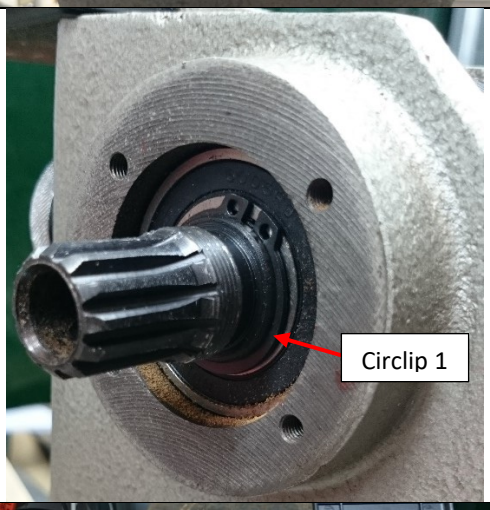
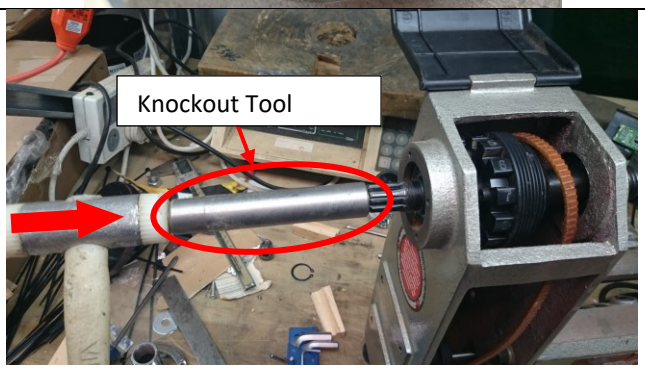
To replace the spindle on the Comet II:

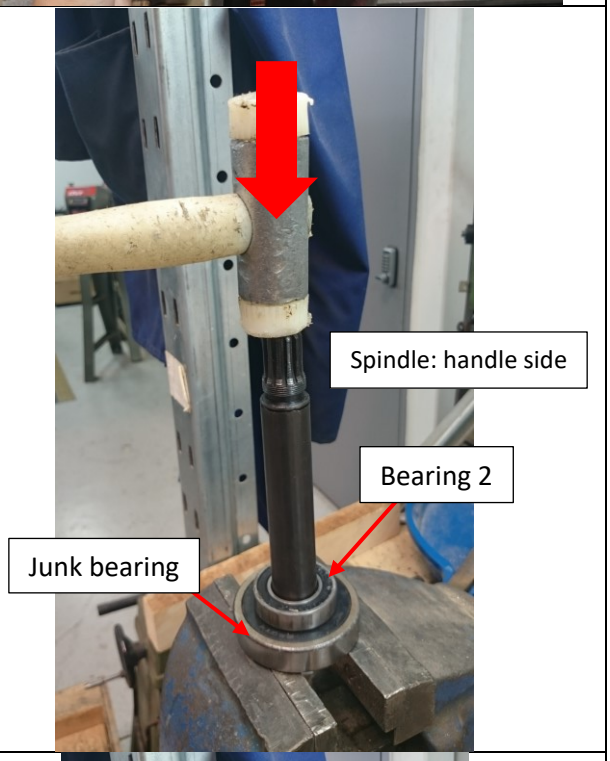
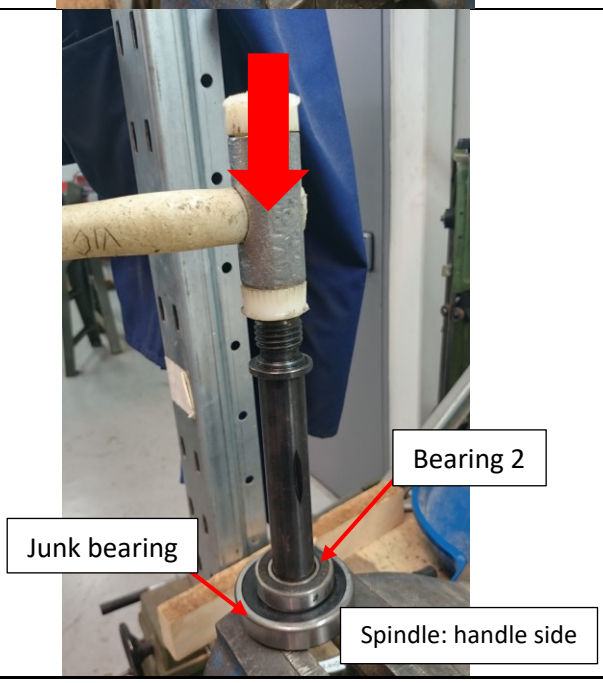
Required tools:

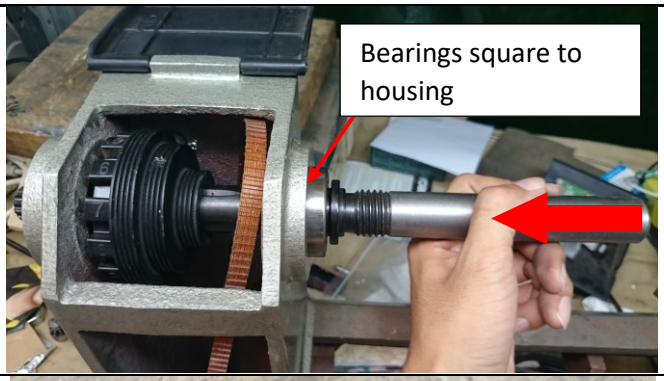
1 x Mallet/ Hammer 1 x 3mm Allen wrench 1 x Snap Ring Plier 1 x Philips Screwdriver (Optional) 1 x Knockout Tool	

Procedure:

Step No.	Description	Image
1.	Unscrew the guard lock knob and lift the belt guard upwards to get access to belt and pulleys.	

2.	Remove the belt from the pulleys by lifting the **motor mount plate**. **Note:** If you find it difficult to remove the belt from the pulleys, go to the FAQ article: How to adjust the belt on Comet II if not enough space.	
3.	Unscrew the grub screw on the top pulley.	
4.	Remove circlip 1 from the spindle using the snap ring plier.	
5.	Use the knockout tool in between the mallet/ hammer and tap out the spindle. **Bearing 2 will slide out along with the spindle.** ***This step require force*** **Note:** Knockout tool can be substituted by any hard rod with diameter between 14mm and 24mm	

6.	Keep tapping until the top pulley is removed from the spindle. Most of the time pulley can be removed by hand. **Note:** If pulley is hard to remove, tap the spindle w gently with pulley against the housing.	
7.	Use a configuration similar to the shown image to remove bearing 2 from the spindle. The vice is not tightened, it is just there to provide support. **Note:** Place an old bearing underneath (or something similar) otherwise there is a risk of damage on bearing 2. Replace the spindle.	
8.	Attach bearing 2 on the new spindle by tapping in the reverse configuration to the previous step.	

9.	Tap the bearing and spindle back into the headstock housing. Remember to put the spindle through the top pulley. **<u>Note:</u>** Always make sure that the bearings are square against the housing. Use the knockout tool to do this to prevent damage to the spindle threads.	
10	Put the grub screw back on the pulley. Make sure that the grub screw fall into the groove on the spindle. Replace circlip 1 and belt to finish.	 *Image taken in purpose of explanation*