

Teknatool International Limited

7D Dallan Place, Rosedale, Auckland, New Zealand

Tel: +64 09 477 5600 Fax: +64 477 5601

Email: service@teknatool.comWebsite: www.teknatool.com

Frequently Asked Questions

How to Align the Pulleys on NOVA Comet II

Date Raised: 29 March 2017

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

Date Amended

The alignment of the 2 pulley for the belt transmission is very important. If the belt is not coming into full contact with the pulley it may reduce the life of the belt itself along with some risk of slippage.

Caution:

Disconnect the lathe from the power source before commencing these procedures.

To align the pulley:

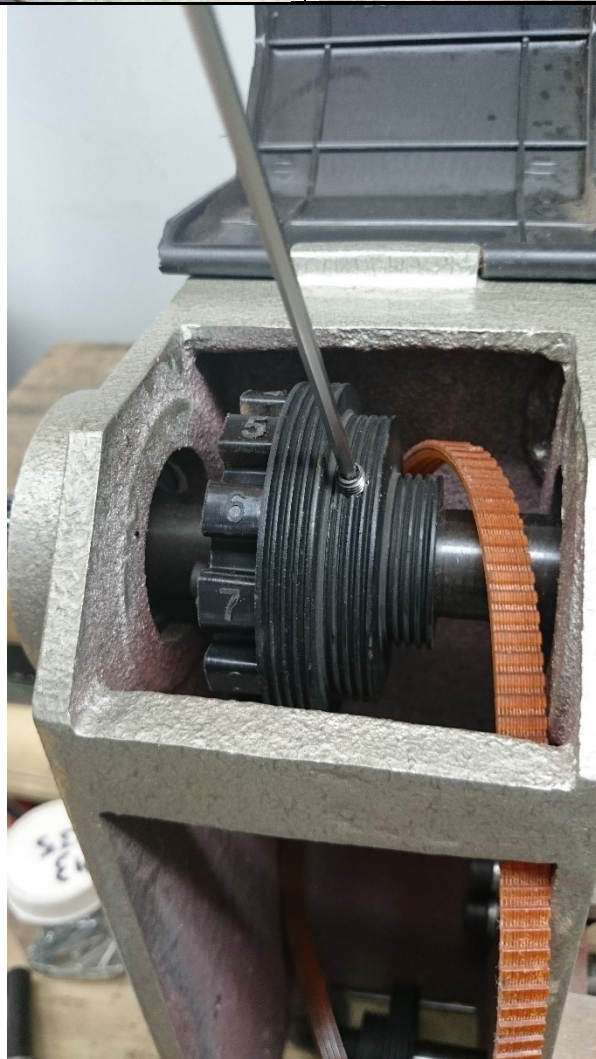
| Step No. | Description | Image |
|----------|--|-------|
| 1 | <p>Put the lathe on top of a relatively horizontal surface.</p> <p>Lift the belt guard lock up. This will expose the belt and pulleys.</p> | |

- 2** Lift the motor mount plate and dislocate the belt from the pulleys.



- 3** Remove the grub screw which is holding the spindle pulley in place. Once the grub screw is removed, the spindle pulley will slide along freely.

Note:
Adjust the spindle pulley position only. Since it will be easier than adjusting the motor pulley position.



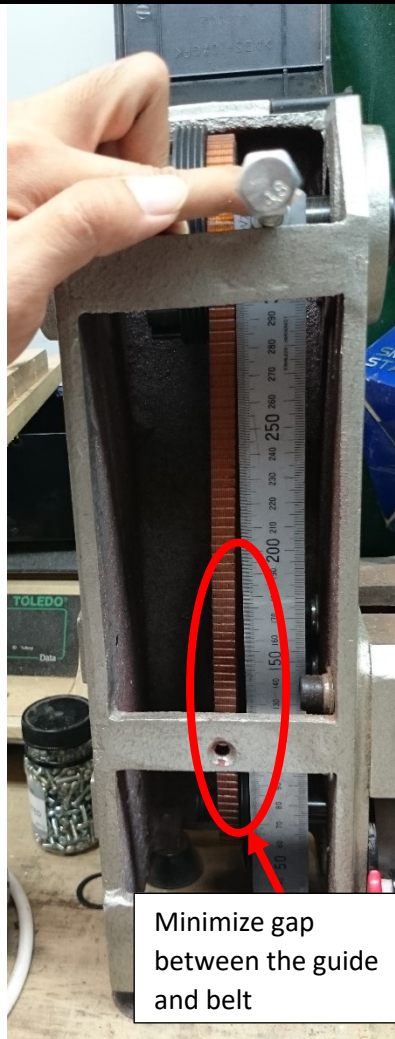
4 Put the belt back onto the desired position.

Use a straight guide* to ensure both pulleys are in line with each other.

After ensuring that the pulleys are aligned, carefully replace the grub screw back into the pulley.

Note:

Straight guide can be anything which can ensure straightness across the space between the pulleys. Ideally this should be a metal ruler. An example configuration is shown in the image.



This straight guide uses:

- Metal ruler
- 2 x Nuts
- 1 x Bolt

This guide uses gravity to measure straightness between the pulleys. Let the ruler swing freely until it sets under gravity and align it next to the belt to check the alignment. You may like to add some lubricants to the bolt to ensure smooth rotation.