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Frequently Asked Questions

Aligning the Centres of the **Comet 2** Lathe

Date Raised: 24/May/2016

Date Amended:

Safe practises 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

Checking for alignment:

- Fit any 2mt accessories that have a sharp point into headstock spindle and tailstock quill.
- Bring the two points together by moving the tailstock to the headstock.
- Check the centres meet at the points. If they don't meet on the vertical plane i.e. up & down, then follow this procedure.

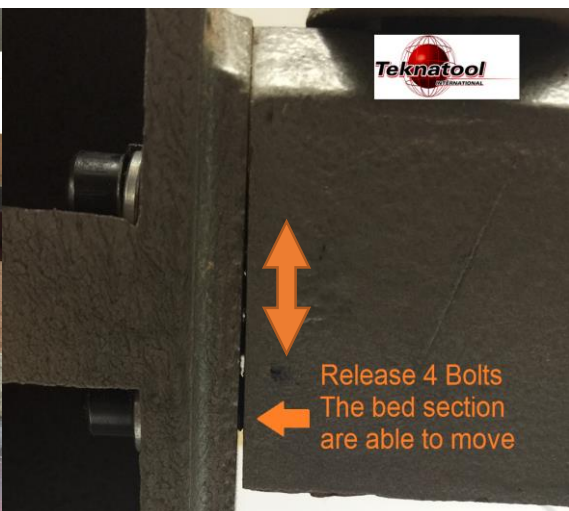
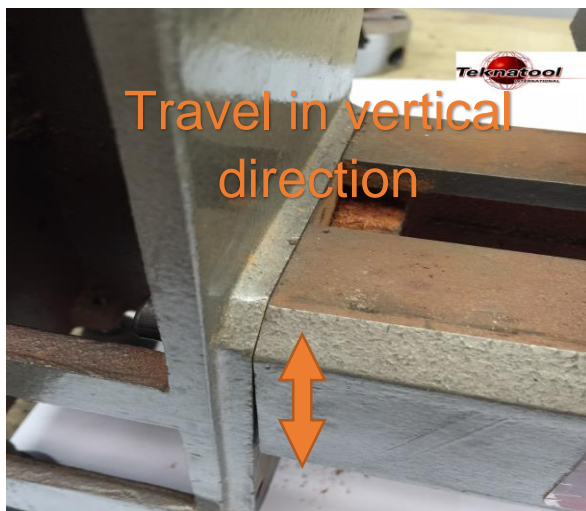
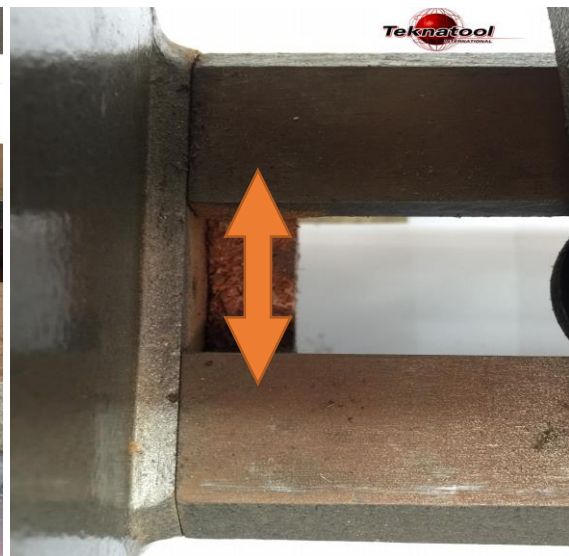
Tools required:



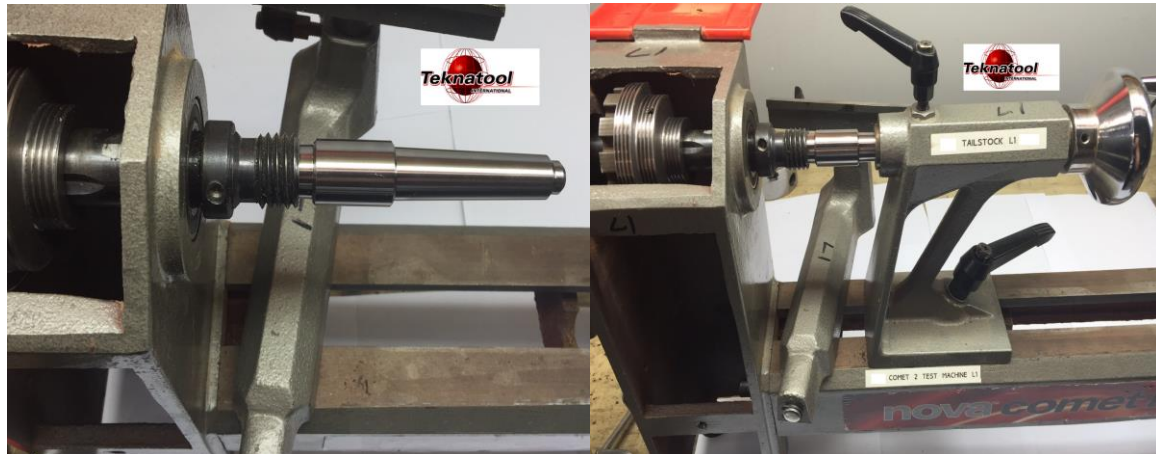
- 2MTNA – Acculine gauge (double-ended morse taper gauge)
- 8mm Allen Key
- Line Level
- One wooden mallet or dead shot hammer. (Do not use normal hammer)

Adjustment of Center Alignment:

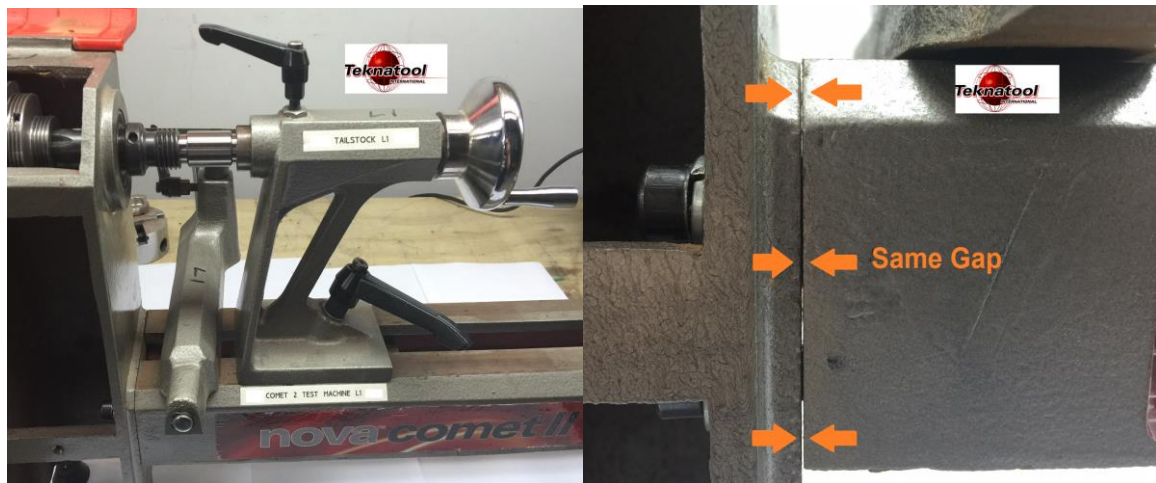
Ensure that the bench or area that you are going to work on is flat and level. (using line level) The Comet 2 lathe is putted on the bench. It is suggested that you work on a solid plate of steel. This is so re-alignment will not be distorted by bench not being level.



Release the four M10x45 retaining bolts, so that the headstock and the bed section are able to move. If the lathe is bolted down under the headstock mounting bolts and loosen off tailstock mounting bolts. This enables you to get the correct amount of movement needed to align.



Clean out the Morse tapers in both the Headstock and Tailstock spindles.
 Fit the 2MTNA acruine gauge into the headstock spindle and tap with a soft-faced mallet or a piece of wood to "drive it home". Bring the tailstock up to the Acruline gauge and fit it into the Tailstock spindle by driving the tailstock into the taper.
 Lock the tailstock to the bed.



Rotating the hand wheel of the tailstock, the clamp 2MTNA acruine gauge, make sure that gap between the headstock and the bed are equal. Therefore, the headstock and the in the same center line.



Tighten the bolts inside the headstock on each side then remove the Acruline gauge by Un-locking the Tailstock from the bed and then using a Knock-out bar, tap the acruline gauge out of the Headstock spindle, then do the same with the Tailstock. The spindle of headstock and Quill of the tailstock should now be on the same centreline.

If the points don't meet then repeat the procedure again. If they still don't meet contact your local Teknatool Agent.