

Teknatool International Limited

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Email: service@teknatool.comWebsite: www.teknatool.com**Frequently Asked Questions****How to Replace Detent Pin on NOVA 1624-II lathe**

Date Raised: 13 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

Tools Required:

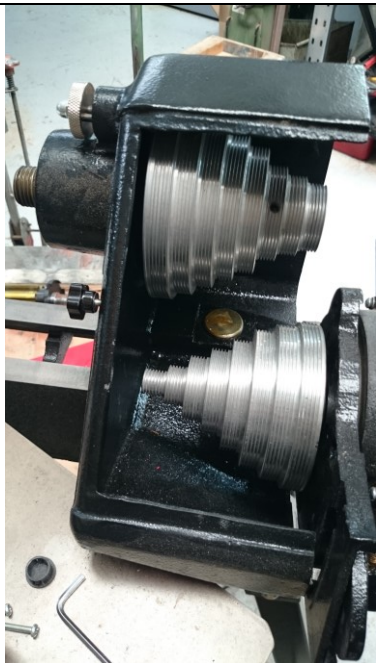

1 x 3mm Allen Wrench

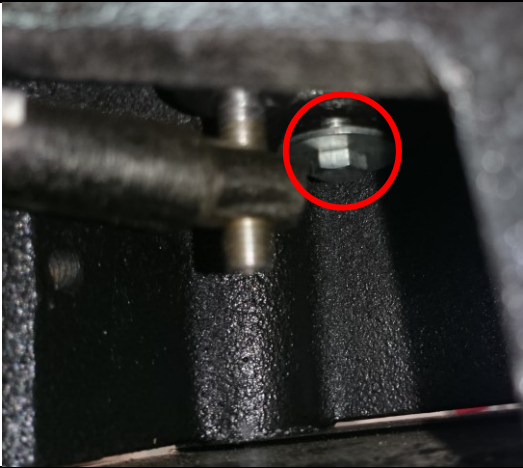
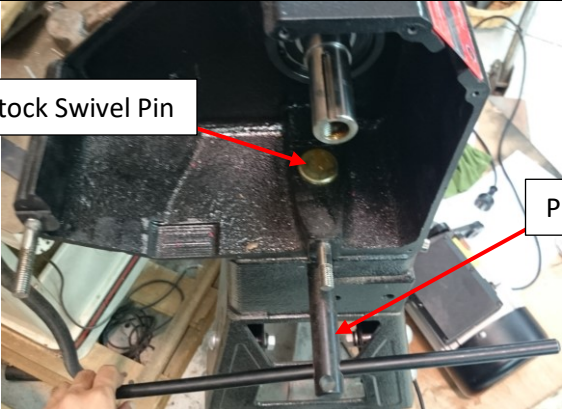


1 x Locking Plier



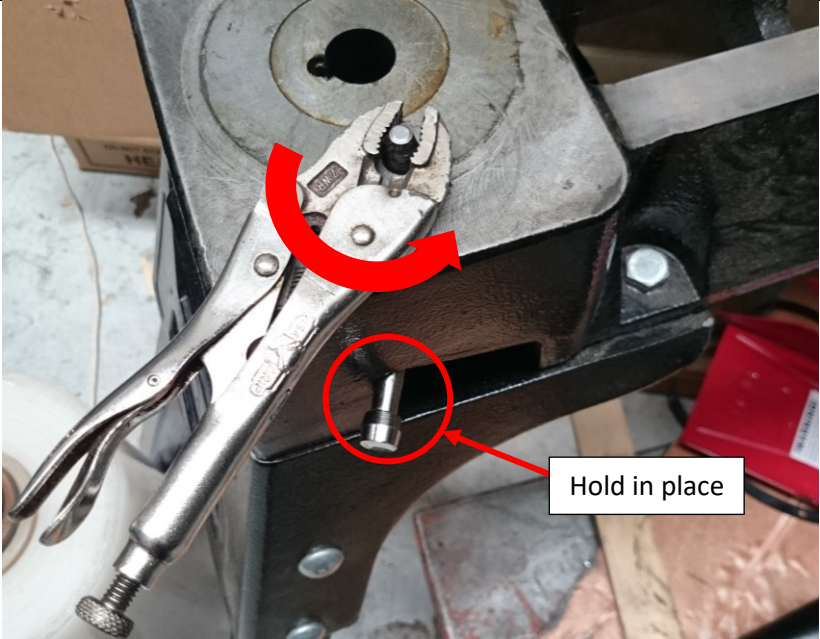
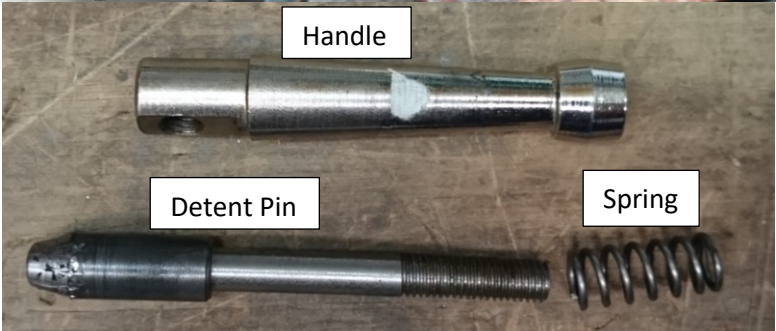
1 x Large Flat head Screwdriver (Or something that can provide leverage)

1 x 12mm spanner (Or ratchet with 12mm socket)

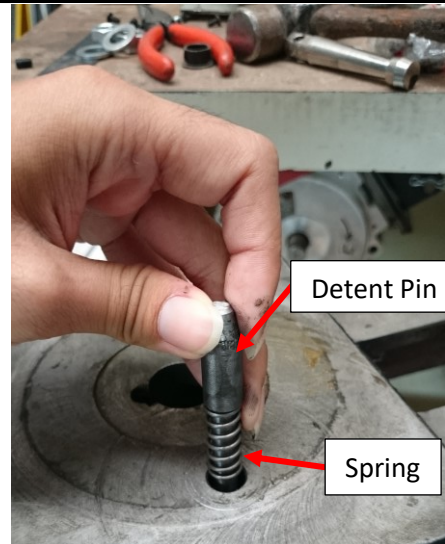
1 x Adjustable spanner

Step No.	Description	Image
1.	<p>Take off the headstock guard and spindle pulley off. To do this refer to the FAQ article: -----</p> <p>Note: It is optional to take the spindle pulley off.</p>	
2.	<p>Remove the motor from the headstock by unscrewing the 2 nuts shown.</p>	

<p>3.</p>	<p>Remove the shipping screw which is holding the swivel pin. Use a 12mm spanner or a ratchet with 12mm socket.</p> <p>Note: Use a ratchet with 12mm socket attached to unscrew if you are not able to turn the lathe over.</p>	
<p>4.</p>	<p>Unscrew and take out the pin lock. The headstock swivel pin will be free to move out.</p>	 <p>Headstock Swivel Pin</p> <p>Pin Lock</p>
<p>5.</p>	<p>Lift the headstock up and put some timbers underneath to get access to the grub screws as shown in image.</p> <p>Remove the grub screw by using a 3mm Allen Wrench to allow the swivel pin to be lifted.</p>	 <p>Timber (To keep headstock lifted)</p> <p>Grub Screw to remove</p>
<p>6.</p>	<p>The swivel pin is most likely to be tight when taking it out therefore use some leverage with a flat head screw driver.</p> <p>When the swivel pin has detached from the lathe bed, the headstock can be removed, exposing the detent pin.</p>	

		 <p>Gap between swivel pin and bottom casting meaning headstock is free to remove</p> 
<p>7.</p>	<p>Hold the detent pin with locking pliers.</p> <p>By holding the handle rotate the pliers anti-clockwise to unscrew the pin from the handle.</p> <p>The detent pin will lift out.</p> <p>Note: Initially it may be difficult to get a firm grip with on the detent pin due to the lubricant. To get a firm grip on the pin you can try:</p> <ul style="list-style-type: none"> • Adjusting the gripping strength • Try different gripping positions • Remove the lubricants with methylated spirits and retry 	 <p>Hold in place</p>  <p>Handle</p> <p>Detent Pin</p> <p>Spring</p>

8. When reassembling after the detent pin has been replaced/ fixed, insert the spring first then insert the detent pin.



9. Use a similar method to step 7 (But turn in the other way) and screw the handle back onto the detent pin.

Make sure the handle is threaded on far enough so that when the handle is on the right-hand side, the pin is completely inside the casting.

Note:

When screwing the handle back onto the pin, the handle should be kept on the left-hand side. Only when checking the handle should be turned to the right-hand side, otherwise it will make this process very difficult.

It would be good to reapply the lubricants (machine oil such as T9) onto surfaces which have metal to metal contact.

Assemble rest of the lathe back together. This will be the opposite procedure of disassembly.

