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Frequently Asked Questions

How to install the NOVA chuck guard on the NOVA Voyager drill press

Date Raised: 3 May 2019

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 NOVA chuck guard can be installed onto any NOVA Voyager drill press however some minor modifications may have to be made on some of the following parts:

1. Plastic interface panel
2. Depth stop mounting bracket

The Voyager drill press must be updated to the following firmware version in order to accept the chuck guard:

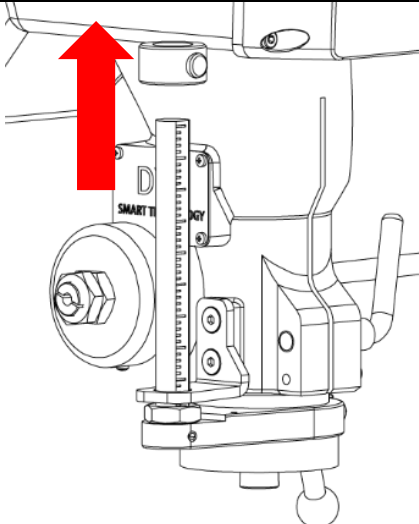
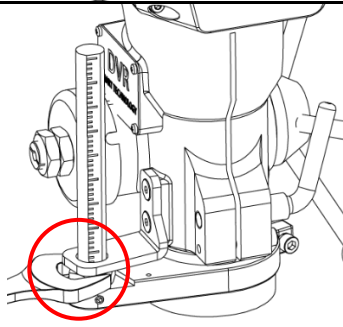
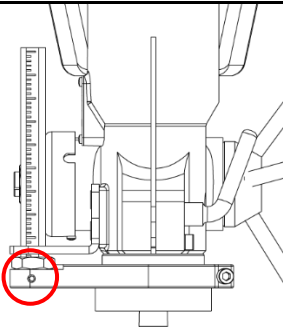
R2P05x (EU version)

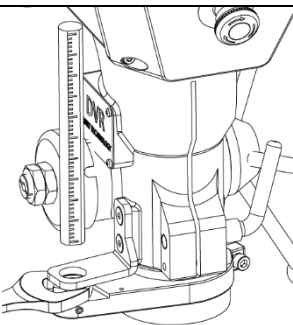
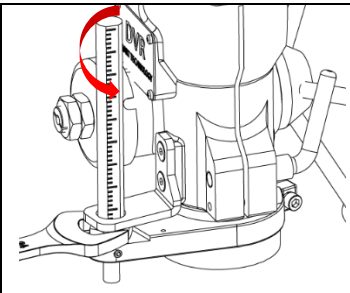
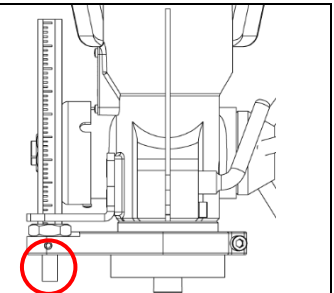
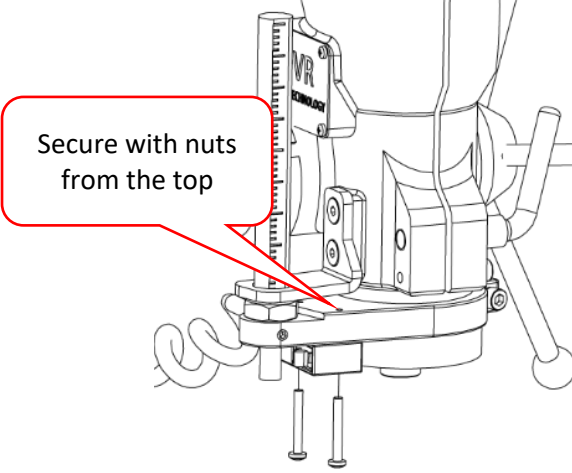
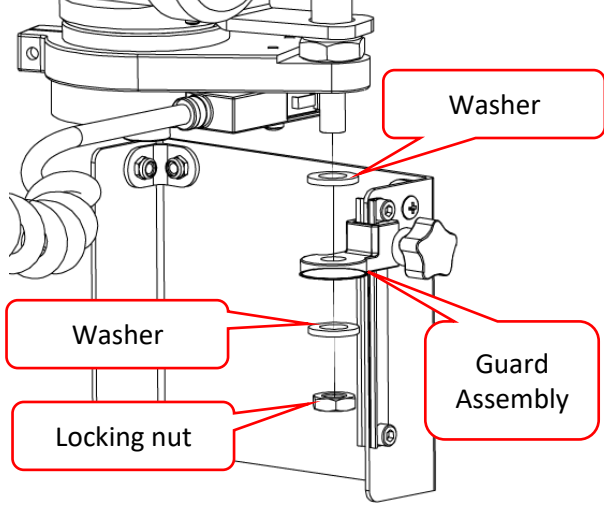
Which can be downloaded from our website:


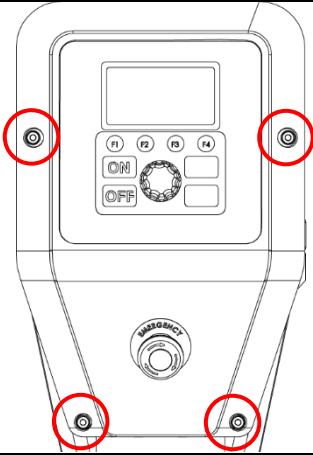
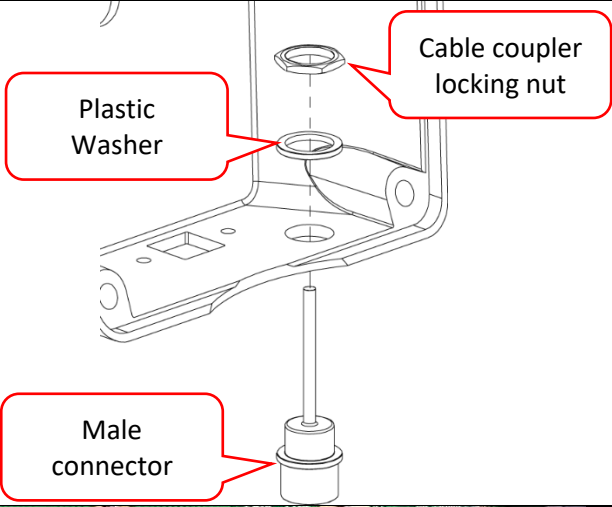

<https://www.teknatool.com/product/nova-voyager-firmware-upgrade/>

Note:

This firmware will have the identical functionality as the US version firmware but with the added chuck guard functionality.

Step No.	Description	Image
1.	Remove the quick release nut.	
2.	Loosen the locking nut which holds the depth stop rod into place by using a spanner or any other similar tool. Loosen the grub screw completely (to the point where half of its body is exposed) Turn the existing depth stop rod in the anti-clockwise direction while holding	<div></div> <div>Loosen the grub screw</div> <div>Loosen the locking nut slightly with a spanner</div>

	<p>the nut with the spanner to detach it from the depth stop mount.</p>	 <p>Turn the depth stop rod in the anti-clockwise direction to remove it from the depth stop mount.</p>
3.	<p>Install the new depth stop rod which comes with the chuck guard.</p> <p>Make sure that the flat side of the new depth stop rod is facing towards you.</p> <p>Tighten the locking nut and grub screw.</p> <p>Note: The new depth stop rod will have a smaller thread machined on the bottom which will protrude the depth stop mount.</p>	<div>  <p>Turn the depth stop rod while holding the locking nut in place.</p> </div> <div>  <p>The thinner thread should be pretruding</p> </div>
4.	<p>Attach the sensor switch to the depth stop mount using the 2 M3 included in the package.</p>	 <p>Secure with nuts from the top</p>
5.	<p>Attach the chuck guard body onto the protruded thread.</p> <p>Tighten the bottom nut to a point where the chuck guard would stay firmly in place but will not be too tight.</p> <p>Note: Ensure to put a washer between surfaces which makes mechanical contact</p>	 <p>Washer</p> <p>Washer</p> <p>Locking nut</p> <p>Guard Assembly</p>

6.	<p>Disconnect the cable connectors if already connected together.</p> <p>The Male side will be fed into the HMI assembly</p>	 <div data-bbox="735 255 1481 293"> <div>Male side</div> <div>Female side</div> </div>	
7.	<p>Remove the HMI panel assembly by removing the 4 bolts indicated.</p> <p>Separate the HMI panel assembly from the headstock by disconnecting the 10pin flat ribbon cable and the depth sensor cable (These connection cables can easily be disconnected by hand)</p>		
8.	<p>Take the male sensor switch connector and weave it into the HMI plastic panel via the hole made on the plastic panel.</p> <p>Use the plastic washer and nuts to lock it from the inside.</p> <p>If your drill press does not come with a hole pre drilled on the HMI panel, a 12mm hole must be drilled on the plastic panel to wire the</p>	 <div data-bbox="831 819 1054 927">Plastic Washer</div> <div data-bbox="1214 763 1442 871">Cable coupler locking nut</div> <div data-bbox="828 1140 1054 1247">Male connector</div>	
9.	<p>Connect the male sensor switch connector to the port X11 shown in the image.</p> <p>Note: Use the same port number for the older interface circuit board (blue colour)</p>		

10. Reconnect the 10pin flat ribbon cable and the depth sensor cable onto the interface circuit board.

Note:

Depth sensor cable is connected to the X9 port

Reattach the HMI panel assembly onto the drill press headstock and connect the male side of the switch connector to female connector to complete the chuck guard installation.

