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Frequently Asked Questions

How to convert NOVA DVR XP to a 220V input

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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

NOVA DVR XP is able to take in power inputs of 220V ~ 240V in order to increase the turning power. In order convert to a 220V power input from the default 110V input, a change of plug is required.

WARNING:

This procedure should only be undertaken by a suitably qualified person. Electricity is a very dangerous hazard which may lead to death therefore the work needs to be inspected before the lathe is plugged back in to the wall socket.

Tools Required:

1 x 2.5mm Allen Key

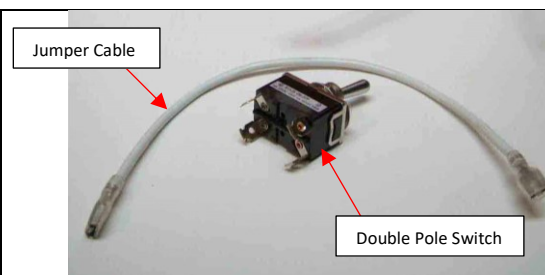
1 x Switch Replacement Kit

Note:



Switch Replacement Kit consists of:



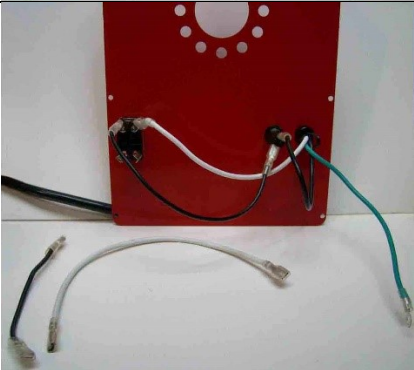



- 1 x Jumper cable (Preferably white coloured)
- 1 x Double Pole single throw switch
- 1 x 220V Plug (Rated at 15A), E.g. NEMA 16-P plug

These components can be purchased from your local hardware store.



Before commencing the operation, make sure to turn the lathe off and unplugged from the wall socket. Let the capacitors discharge for about 3 minute then begin the following procedure.

Step No.	Description	Image
1.	Remove the back panel of the headstock by removing all hex screws. Leave all wires connected to the back panel but disconnect them from the main circuits and ground.	
2.	Remove the 2 black wires from the switch	

<p>3.</p>	<p>Remove the nut from the switch Remove the switch, plate and washers</p>	
<p>4.</p>	<p>Install the new double pole switch</p> <p>Note: The replacement switch is keyed with a slot in the threads for the on/off plate.</p>	
<p>5.</p>	<p>Attach the black and white wires on the top terminals of the switch.</p>	
<p>6.</p>	<p>Attach the black and jumper cable to the bottom terminals</p> <p>Note: Both black are on the left side terminals of the switch</p>	
<p>7.</p>	<p>The original 110V plug needs to be switched to a 220V plug.</p> <p>Note: 220V plug should be a 15A minimum rated. An example of this type of plug is the NEMA 6-15P plug.</p>	<div style="display: flex; justify-content: space-around;">   </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <p><i>Figure 1: Original 110V Plug</i></p> <p><i>Figure 2: NEMA 6-15P Plug</i></p> </div>