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Frequently Asked Questions

Changing the NOVA Voyager input voltage to 220V

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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

The NOVA Voyager Drill press is able to take in both 110V and 220V without making change to its internal circuits. However, the input plugs have to be changed in order to take the 220V input in some countries (e.g. USA) due to the difference in plug geometry.

To convert to a 220V input, the plug has to be changed to an item with a **rating of 15A**. An example of this can be the **NEMA 6-15P Plug**.



Figure 1: Original 110V Plug



Figure 2: NEMA 6-15P Plug

15A rated plugs have to be purchased from third party suppliers (Such as Amazon.com)

CAUTION:

Make sure everything is disconnected from the lathe and power source before commencing procedures.

To change the plug

Tools Required:

1 x Wire cutter

1 x Wire Stripper

1 x Philips Screwdriver

Procedure:

Step No.	Description
1.	<p>Cut the original plug off by using the wire cutter.</p> <p>Strip off the black outer coating to expose the inner cables.</p> <p>Note: This will expose 3 wires; green, white and black. These wires are:</p> <ul style="list-style-type: none">• White – Neutral• Black – Hot• Green – Ground
2.	<p>Strip the inner wires to expose enough copper fibres to secure onto the new 15A Plug.</p> <p>Note: Do not expose too much copper wire since it is a potential cause of electrical hazard.</p>
3.	<p>*The case of NEMA 6-15P plug*</p> <p>Open the plug by unscrewing the Philips screws which holds them together, this will expose the terminals which the wire should be attached to.</p>

Rewire onto the new 15A plug according to the diagram (Next Page).

Wiring Color Codes

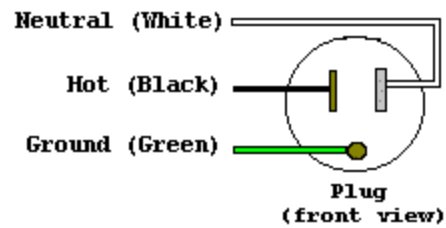


Figure 3: American Electrical Colour Code

Note:

The image is for a 10A rated plug. 15A rated plugs will have the Hot and Neutral terminals horizontal.

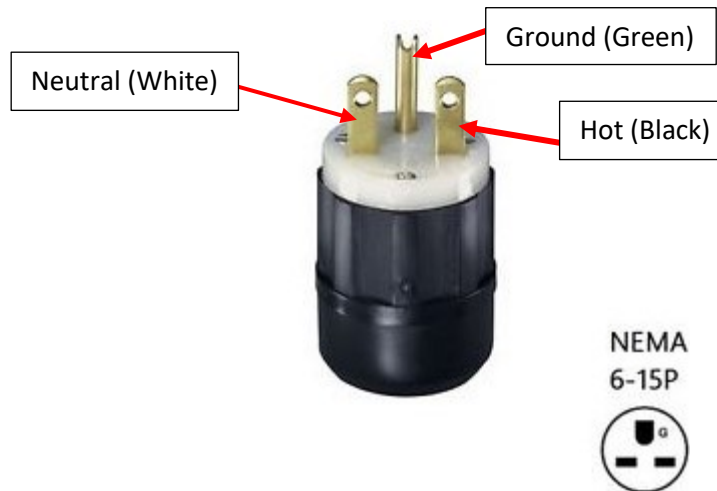


Figure 4: Sample image of NEMA 6-15P plug

Once the plug is replaced, reassemble the plug with the Philips screws and test it on the new power supply.