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“Low Voltage” Message on the NOVA Voyager Drill press

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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

There are mainly 2 versions to the NOVA Voyager drill press HMI firmware; Version4 (R2P04x) and Version5 (R2P05x).

Depending on the HMI firmware version that is loaded on the machine, when the error message “Low Voltage” appears it will have one of the 2 behaviours described below:

1. Freeze on the “Low Voltage” screen and will not allow any further control
 - Occurs on HMI Version4 firmware
2. “Low Voltage” screen will appear when the <ON> button is pressed to start the machine
 - Occurs on HMI Version5 firmware

Solution:

The permanent solution to the “Low Voltage” error is to replace the main control board with a new alternative one. This error is caused by component failures on the main control board.

Warning:

The drill press must be unplugged from its power source before any work is commenced on it.

Follow the instructions on “How to remove and replace Main Control Board & Heatsink Assembly on the Voyager/Vulcan” to remove the main board from the drill press headstock.

The main board must be sent into our service department for repairs or replacement.

To organize the repairs or replacement, please contact our customer services at: service@teknatool.com

Note:

The HMI panel can be sent in together for an update to the latest firmware at the same time.

Additional Note:

If the menu is able to be accessed (version5), it would be beneficial to provide the “DC Bus” voltage to our service representative.

The DC Bus voltage can be displayed by:

While on the home screen Press <Menu> -> “Configuration” -> “Motor parameters” (Second page)