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Frequently Asked Questions

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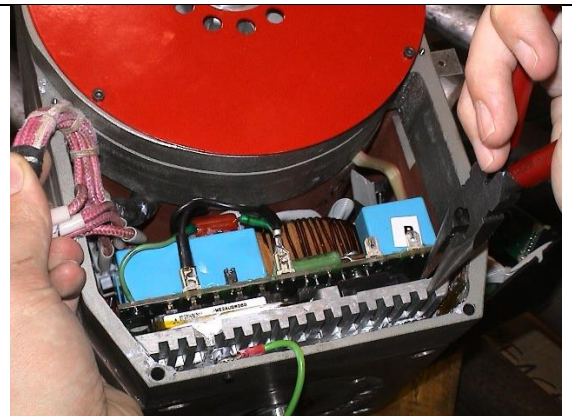
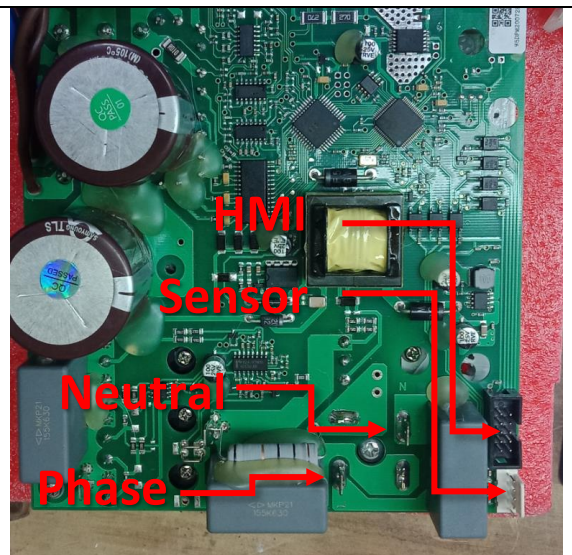
Safe practices should always be employed to ensure the Health and Safety of yourself, employees and customers (if applicable) Refer to product manuals, exploded drawings and our website if further assistance is required, or contact us on service@teknatool.com


How to Replace the Main Control Board and HMI Panel for DVR 3000

Tools:

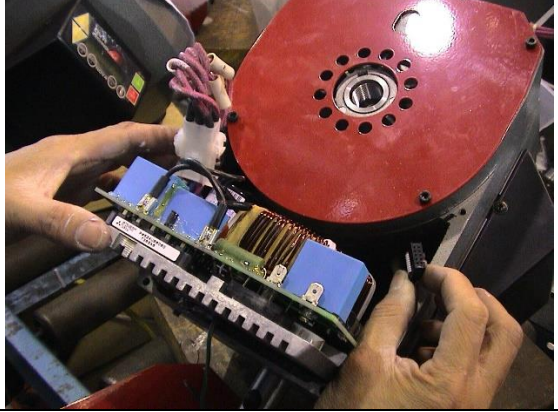

- Allen Key (2.5mm & 4mm) – Later versions use 3mm cover screws instead of 2.5mm
- Long Nose Pliers
- Headstock Extraction Lever and Brush (Available from Teknatool)
- Phillips Screw Driver
- Replacement Main Control Board
- Replacement HMI Board

1	Unplug the lathe and wait for 2 minutes for power to dissipate.	
2	Disengage the locking handle on the lathe bed and then swivel the headstock to any diagonal position.	
3	<p>Unbolt each heat sink screws exposed underneath the headstock when rotated.</p> <p>There are four in total, and you will need to rotate the headstock another 90 degrees to access the next one.</p> <p>If you find that any screws are stuck behind the lathe bed, rotate the headstock and remove the screw from another side of the bed.</p>	

4	<p>Remove the lower cover plate using your Allen keys.</p>	
5	<p>Carefully use your long nose pliers to begin to remove the control board by pulling on the heat sink. Be careful not to touch the control board with your pliers.</p> <p>NOTE: There may be thermal paste underneath the heat sink, which may make a mess. It is recommended to have a piece of paper to rest the board on once removed.</p>	
6	<p>Whilst removing the control board, you may begin to disconnect wires connecting the control board to peripherals. This includes:</p> <ul style="list-style-type: none">- Brown and Blue AC leads (Phase and Neutral)- A white sensor cable- The HMI control ribbon- The 6-pin stator cable (Pinch the buckle before separating the connectors)	

7	<p>Unscrew the four phillip head screws on the side of the human-machine interface (HMI) panel to remove it from the headstock.</p> <p>Detach the HMI Ribbon cable and keep it for later.</p>	
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To replace the Main Control Board and HMI Panel:

8	<p>Attach the 6-pin stator cable, sensor cable, control ribbon, and power cables to your new replacement Control Board in the same places shown above and begin to replace it into the compartment.</p> <p>NOTE: You may glue the sensor cable and control ribbon down to prevent them from coming loose</p>	
9	<p>Replace the four Allen screws underneath the headstock to secure the control board in place.</p>	

10	<p>Replace the head cap plate.</p> <p>Secure the green & yellow earth wires tightly underneath a mounting screw.</p>	
11	<p>Attach the HMI ribbon to the new HMI panel and attach it to the headstock before screwing it on.</p>	

It is advisable to run the unit before replacing the headstock onto the lathe bed to check that you have wired everything properly. Connect the power and turn the DVR on. Check that all buttons are functioning and run the unit.

Once you are satisfied, replace the headstock back on the lathe bed. Check that the swivel pin is facing the correct direction so the locking pin will engage.

Congratulations - You have successfully replaced your DVR 3000 Control Board!
