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Solution Procedure

Installing NOVA DVR 3000 Upgrade Kit

Date Raised: 1 August 2018

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


Equipment's/ parts required:

1 x Electronic control board assembly (Upgrade kit)

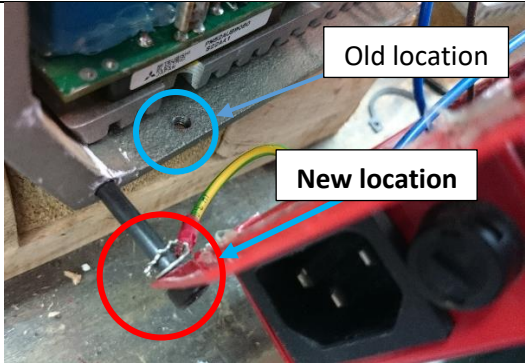
- SKU 55168: Main board control assembly
- SKU 55523: Control panel assembly

There are 3 main procedures to carry out in order to install the upgrade kit.

1. Replacing the electronic control board assembly

Step No	Description	Image
1.	<p>Take the headstock off to gain access to the screws holding the whole electronic assembly.</p> <p>Remove the screws to take the electronic control board off from the headstock.</p> <p>Refer to FAQ article: NOVA DVR 3000 POWER PROBLEMS</p> <p>Attachment: How to Change the DVR Control Board</p> <p>Remove the old interface board by removing 4 Philips screws on the side. Remove all the cables connected to the back of the interface board (it can be pulled out by hand).</p>	 <p>Figure 1: NOVA DVR 3000 control panel screws</p>
2.	Replace the whole electronic assembly with the new upgrade kit and fasten it with the screws.	

2. Changing the location of the ground winding

Step No	Description	Image
1.	Change the location of the ground wire from the bottom to the side when reassembling the headstock.	 <p>Figure 2: New location of ground wire</p>

3. Changing the software setting

Step No	Description
1.	Enter service mode on the lathe Refer to FAQ article: How to enter Service Mode and Check serial no. & parameter on DVR XP lathe.
2.	Once in service mode, press <Program/P> until the parameter “SpdMaxAdv” comes up. Navigate down to the parameter “SpdAdvMax” and change the value from 1000 to 600.

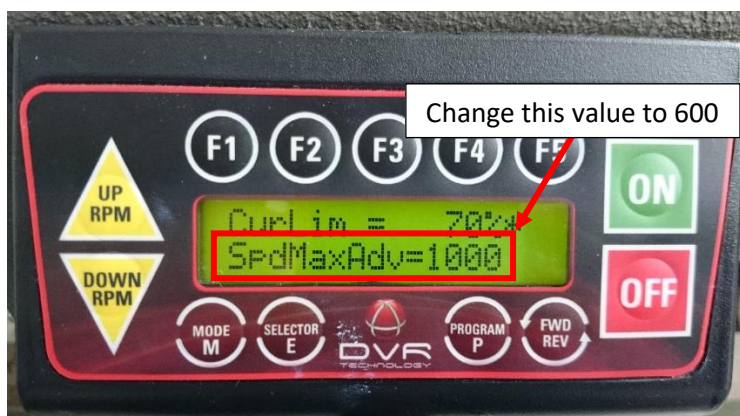
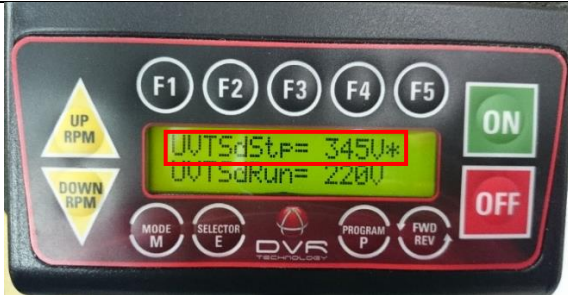



Figure 3: Parameter values

To change the parameter value (Example):

Step No.	Description	Image
1.	Navigate through the menu pages on service mode. Locate the parameter that you want to change. Note: Make sure that there is a “*” next to the parameter. Use the <FWD/REV> key to select the correct line.	
2.	Change the parameter value using <UP RPM> or <DOWN RPM> keys Press <Selector E> then the “*” will change to a “?” allowing the user to save changes made to the parameter value. Change the parameter value by pressing <UP RPM> or <DOWN RPM> Once the parameter value is changed, press <Program P> to save the change into the software.	
3.	Turn off the machine for 1 minute and turn it back on again.	