

Continuity Check

(These instructions are for the Laguna 1836 & 2436 lathes)

Follow the steps provided in this instruction manual to perform a continuity check on components in your Laguna lathe successfully.



You will need the following.

1



2



3



4



- 1. Multimeter**
- 2. Phillips Head Screwdriver**
- 3. Pliers**
- 4. 2.5mm Allen Wrench**

By the end of these instructions, you will know how to.

- **Access the control components.**
- **Remove the On/Off Switch.**
- **Utilize the continuity function on a multimeter.**
- **Perform a continuity test on a switch.**
- **Access the control board on a 1216 and/or 1524.**
- **Perform a continuity test on a fuse.**

It's recommended to have a cup/bowl to hold the screws as they are very small. Sweeping the floor around the workspace will increase the chance of recovering a screw if one is dropped.

STEP 1

Remove power from the machine by unplugging the unit and waiting at least 1 minute.



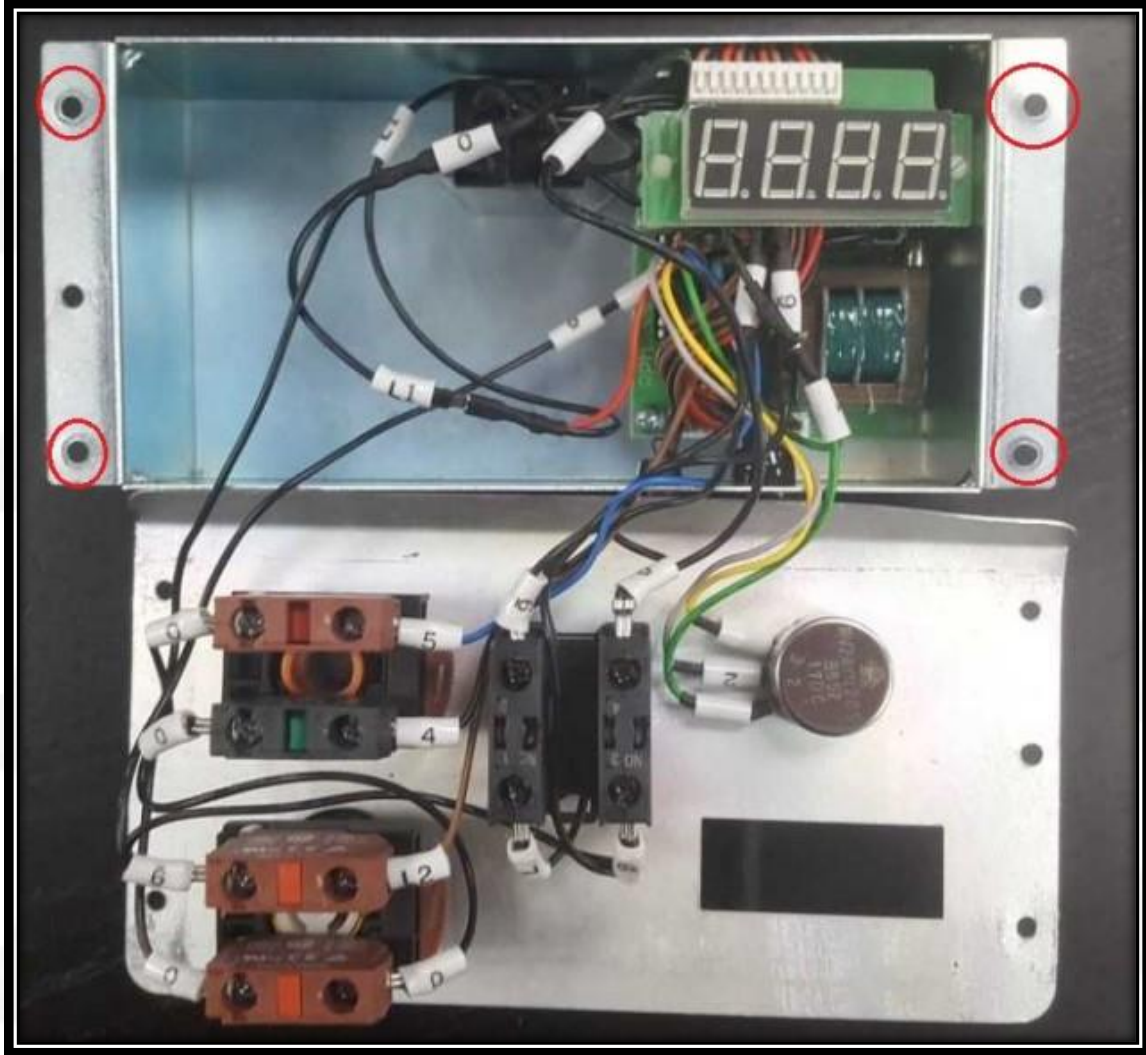
STEP 2

Remove the 2 screws under the handles on the control panel and pull out the entire control housing out of the headstock.



STEP 3

Remove the 4 screws holding the handles onto the control panel and open the control housing.



STEP 4

On the back of the ON/OFF Switch, locate the brown tab on the switch and move it to the open position.



STEP 5

Using pliers, loosen the black plastic nut that is holding the switch to the rest of the assembly.



STEP 6

Remove the ON/OFF button from the switch.



STEP 7

On the multimeter look for this symbol: Ω

Set the dial on the multimeter to the symbol shown for continuity testing.



Pass: You'll hear a beep. **Fail:** You will not hear a beep.

STEP 8

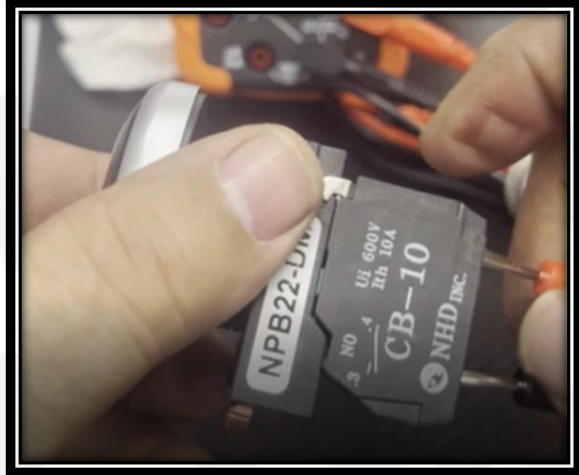
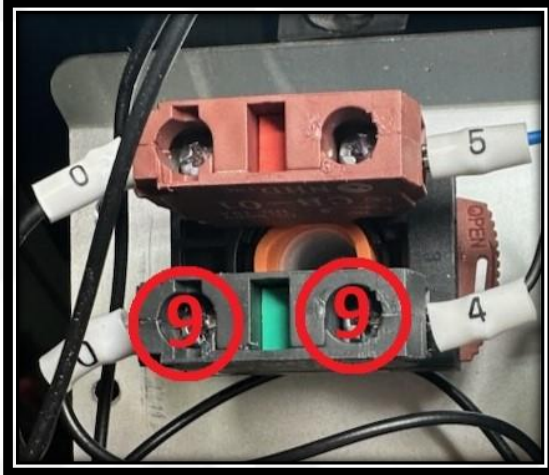
Blow out the backside of the FWD/REV switch, the E-Stop switch, and the ON/OFF switch with canned air.



This would be a great opportunity to make sure the wires are fastened correctly under the screws.

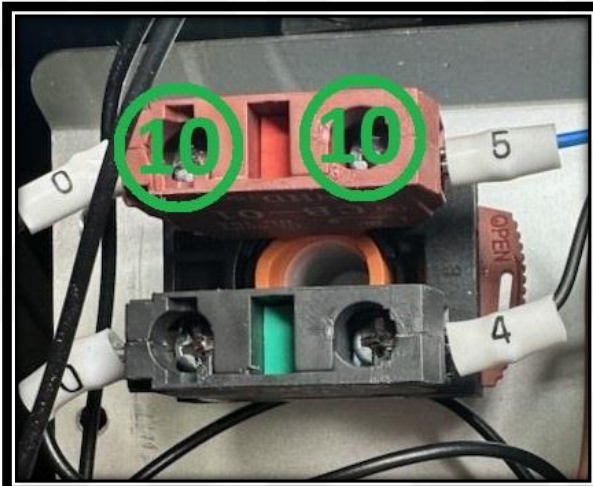
STEP 9

Place a prong on each screw of the black block with the 0 and 4 wires.



STEP 10

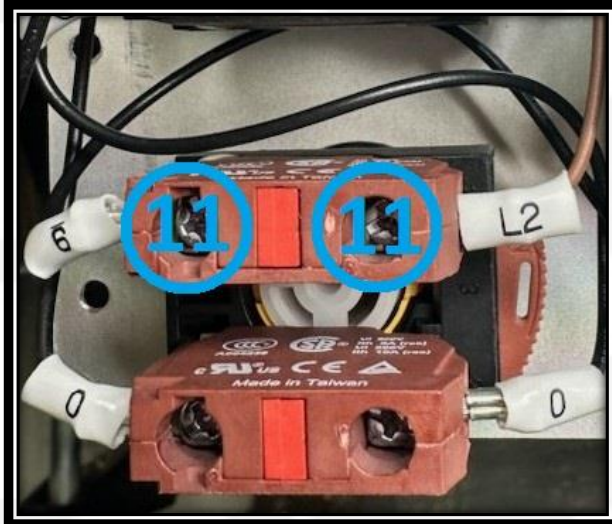
Place a prong on each screw of the red block with the 0 & 5 wires.



- The ON button (WHITE or GREEN) should not show any continuity until pressed.
- The OFF button (BLACK or RED) will show continuity until pressed.

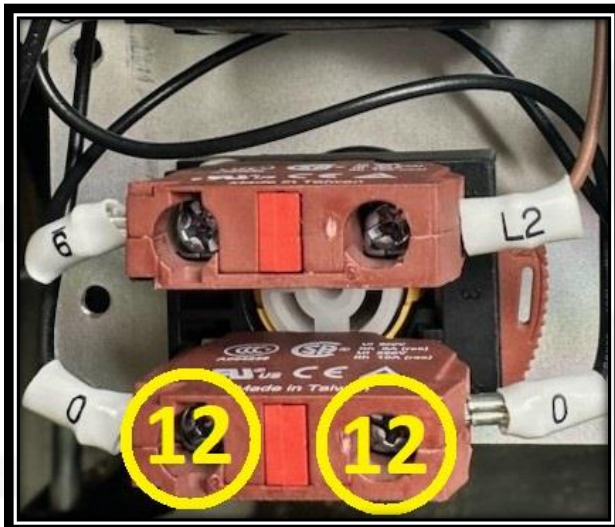
STEP 11

Place a prong on each screw of the red block with the 6 & L2 wires.



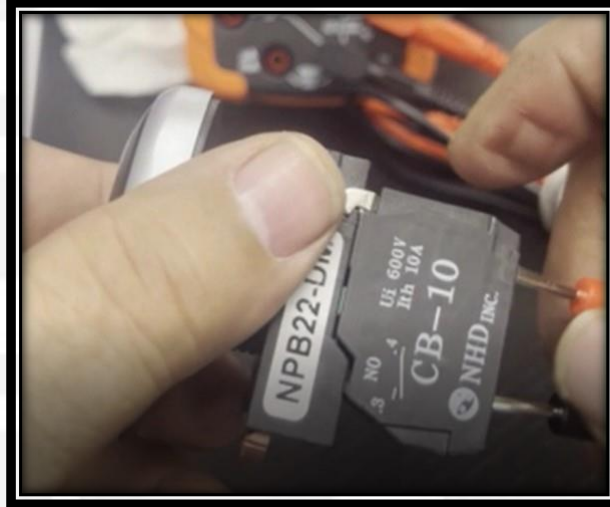
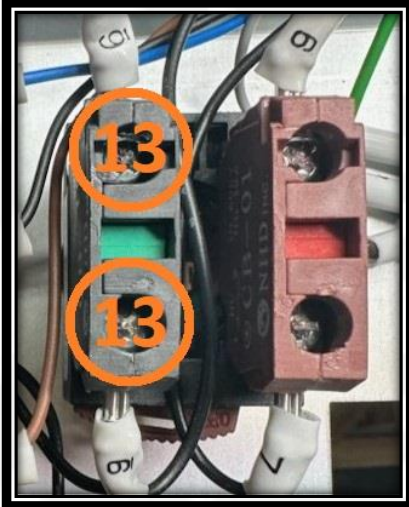
STEP 12

Place a prong on each screw of the red block with two 0 wires.



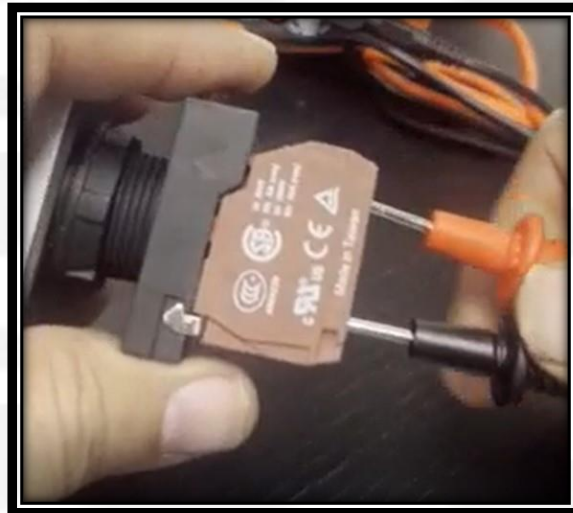
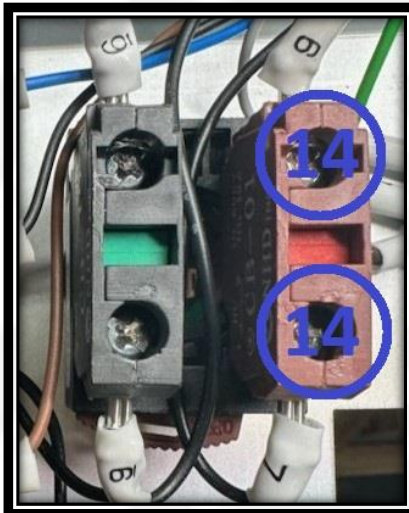
STEP 13

Place a prong on each screw of the black block with the 6 & 9 wires.



STEP 14

Place a prong on each screw of the red block with the 9 and 7 wires.



No Digital Readout Readings?

When you reassemble the unit, you may notice that your RPM's do not read properly or at all anymore. This is likely because the bracket was bent during this process. On the yellow sensor, you want to aim the crosshairs at the hex head bolts of the spindle and get it as close as physically possible without making contact.



PARTS

The parts below are hyperlinked and will take you to the parts page located at lagunatools.com.

73	FWD/REV Switch	<u>PLAREVO1836-173</u>
71	Emergency Stop	<u>PLAREVO1836-171</u>
70	On/Off Switch	<u>PLAREVO1836-170</u>