

TB124 (Rev1) - Yuasa Rotary Table Clamp Voltages 24VDC vs. 110VAC

Purpose

How to tell the difference between 24VDC and 110VAC clamp voltage on Yuasa rotary tables.

Description

Yuasa rotary tables can be purchased with a 24VDC or a 100VAC clamping solenoid. Prior to October 2000, Centroid supplied 24VDC systems. This required that a power supply be mounted in the main cabinet to supply this voltage. After October 2000, rotary tables are being ordered in as 100VAC and main cabinets are being wired for 100VAC. 24VDC clamping can still be ordered as an option if needed.

Determine solenoid voltage

Telling whether a table has a 24VDC or 100VAC solenoid requires you to check at least one or all of the following.

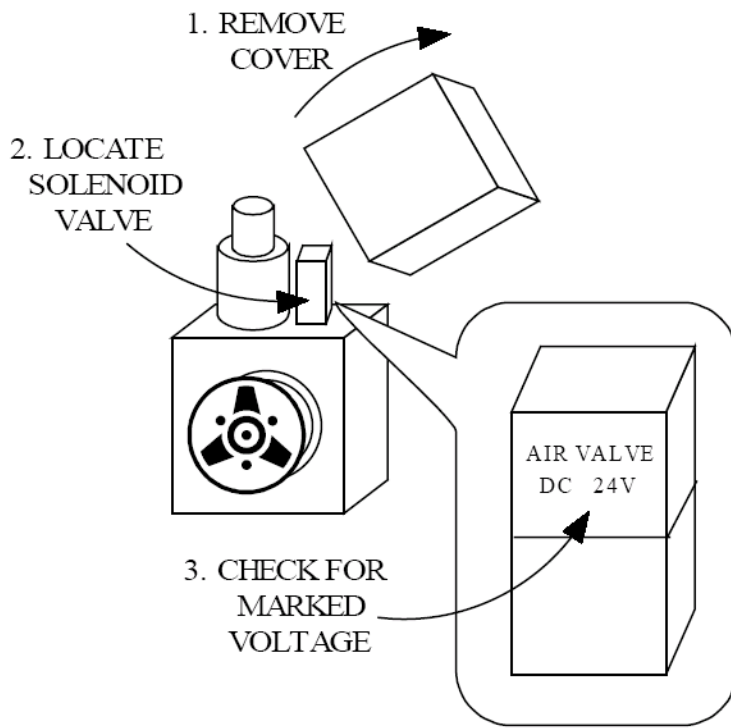
1. Check the rotary table manual for solenoid voltage.
2. Inspect solenoid visually for markings. (See pictures next page).
3. Connect 24VDC to pins A and B on the connector. If the solenoid and brake are activated, the solenoid is 24VDC, if not it is 100VAC.

Note: If 100VAC is connected to a 24VDC table, there is a risk of permanent damage to the solenoid.

The Yuasa clamp operation is dependent on the voltage applied to the connector at pin B, and through a PLC output to pin A. Check the unit schematic for the correct PLC output.

For 24VDC operation connect 24VDC+ to the correct PLC output common and 24VDC common to pin B.

For 110VAC operation connect 110VACH to the correct PLC output common and 110vacn to pin B.



Document History

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