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# MiTek<sup>®</sup>

# SERVICE BULLETIN

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Document ID:

## SB269

Title:

## Replacing Obsolete Transformers

*Affected Machinery: Finish Roller II<sup>™</sup>, Finish Roller Roller Press, Peak-Up Truss Stacker and Truss Receiver Stand, RailRider Pro<sup>®</sup> Floor Truss Press System, Roller Gantry with MiTek<sup>®</sup>, Tee-Lok<sup>®</sup>, or Robbins Tables, RoofGlider<sup>®</sup> Roof Truss Roller Press, and Stand-Alone Conveyor and powering kit*

Distribution: Customers upon order

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**CAUTION:**

MiTek recommends printing this document in high resolution using color ink. Many of the graphics may be unclear and may create an unsafe condition if this recommendation is not followed.

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## Purpose and Scope

This service bulletin instructs how to replace an obsolete transformer used in the equipment referenced on the title page.

## Overview

### Parts Included

The parts included in this kit are shown in [Table 1](#). Please make sure all parts and supplies are present before starting the procedure.

Table 1: Parts in SB269KIT

Quantity	Description	Part #
3	Transformer Fuse Block	509036
1	Universal Voltage Transformer	509037
1	SB269 Document	SB269

If you have any questions, call MiTek Automation Support at 1-800-523-3380.





### Supplies Needed

- Phillips or flathead screwdriver
- Torx screwdriver

## Procedure

### Electrical Lockout/Tagout Procedure

	 <b>WARNING</b>
	<p><b>ELECTROCUTION HAZARD.</b></p> <p>All electrical work must be performed by a qualified electrician.</p> <p>Verify that all power to the machine has been turned off and follow approved lockout/tagout safety procedures before performing any maintenance.</p> <p>If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.</p>

1. Engage an E-stop on the machine.
2. Turn the machine's disconnect switch to the Off position. This is usually required to open the main electrical enclosure's door.
3. Shut the power to the machine off at the machine's power source, which is usually an electrical service entry panel on the facility wall. One example of a locked-out power source panel is shown in [Figure 1](#).
4. Attach a lock and tag that meet OSHA requirements for lockout/tagout to the electrical service entry panel.
5. Open the door to the enclosure to which you need access. Using a multimeter, verify that the power is off.

Figure 1: Lockout/Tagout on the Power Source Panel





## Replacing the Transformer

1. With power locked out as previously described, remove the existing transformer by dismounting it from the electrical panel.
2. Replace the existing transformer with new transformer and fuse blocks provided.
  - a) Mount the new transformer to the mounting holes used by the transformer being replaced. If this is not possible, create a new mount with appropriate spacing and orientation for the new transformer.
  - b) Run wiring through the new transformer's wiring ports ([Figure 2](#)). Reference [Table 2](#) to determine which tabs to use depending on the voltage of the panel, and which tabs for the desired output voltage.

Figure 2: Transformer Wiring Ports with Wiring Instructions

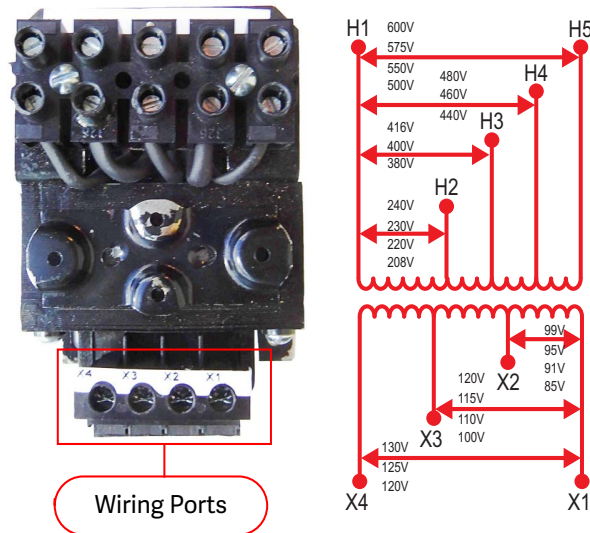


Figure 3: Wiring Diagrams by Voltage

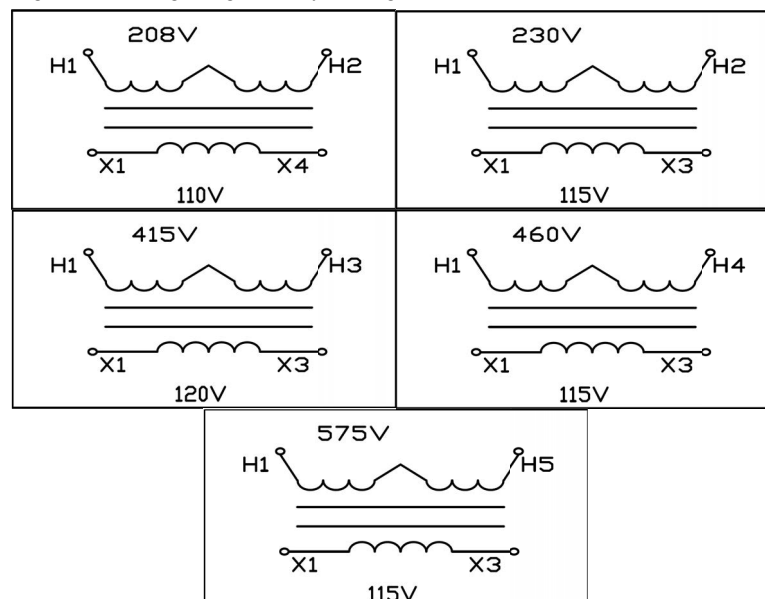


Table 2: Tabs Usage by Voltage.

Line Side (Input Voltage)		Load Side (Output Voltage)	
Voltage In	Connection	Connection	Voltage Out
575	H1-H5	X1-X3	115
230	H1-H2	X1-X3	115
208	H1-H2	X1-X3	110
460	H1-H4	X1-X4	125
416	H1-H3	X1-X4	130

- c) Assemble the fuse kit by snapping the fuse blocks together. See both [Figure 4](#) and [Figure 5](#).

Figure 4: Fuse Block Snapping Points

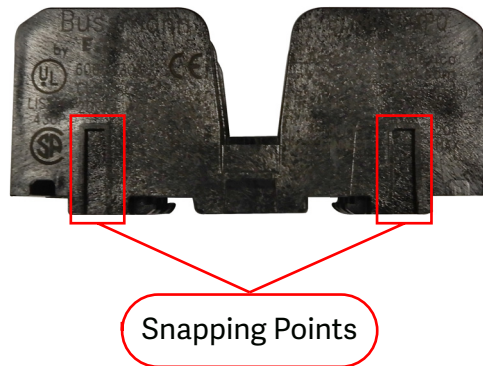
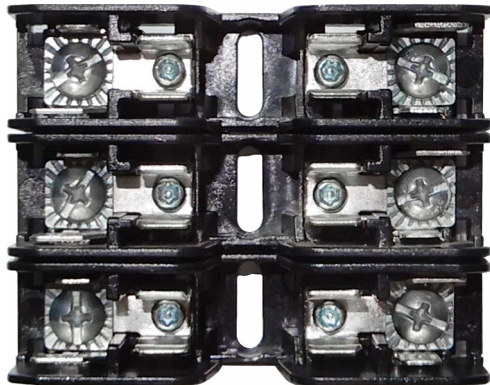


Figure 5: Fuse Block Kit Assembled



- d) Run wiring through assembled fuse kit.  
e) Mount the assembled fuse kit to the electrical panel. This can be done directly on top of the new transformer if there is no other space provided.
3. Remove lockout/tagout devices and test the panel to ensure power is running through it.

**END OF SERVICE BULLETIN**