

Service Bulletin

Machinery Affected:	RailRider [™] Floor Truss Roller
Document:	SB172
Title:	Installing a Beacon and Horn
Applies To:	<i>RailRider</i> Floor Truss Rollers with frame numbers 211 or lower



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Date Created	19 April 2007
Created By	R. Widder
Reviewed by	R. Tucker
Approved by	G. McNeelege
Manuf. Eng.	K. Schuermann

MiTek 301 Fountain Lakes Industrial Drive St. Charles, MO 63301 phone 800-523-3380 fax 636-328-9218 www.mii.com





Purpose and Scope

This Service Bulletin procedure applies to customers using a *RailRider*TM floor truss press with a frame number of 211 or lower. Customers can add a beacon and horn to the gantry head to improve the safety of gantry operation.

Overview

Table 1 lists the kits and the items included in each kit.

Kit	Machine	Quantity	Part Number	Description
		2	326945	3/8-16x2-1/2" full thread hex head cap screw
		2	361605	3/8-16'' nut
		1	67737	Horn mounting bracket
		1	90537-501	Horn/light assembly, enclosure
		4	327161	1/4-20x1" hex head cap screw
SB172KIT-A	RailRider	4	364034	1/4" lock washer, type M
		4	361601	1/4-20" hex nut
		1	511487	Cable connector, straight
		1	511502	Cable connector, 90 degrees
		20	508704	TY-WRAP, 1/4"
		1	508097	Cable, 20'
		1	SB172	Service Bulletin 172

Table 1: SB172 Kits

Table 2 lists the supplies needed to complete this procedure.

Table 2: Tools and Supplies

Description
Screwdriver set
Wrench set
Multimeter
Drill
.875" drill bit
Phillips head screwdriver set



Procedure



Electrical Lockout/Tagout Procedures

ELECTROCUTION HAZARD!

Verify that all power to the machine has been turned off and follow approved lockout/tagout safety procedures before performing any maintenance.

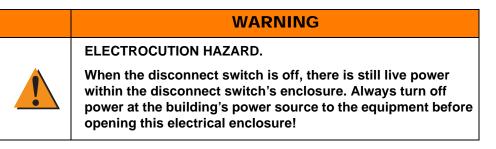
WARNING

All electrical work must performed by a qualified electrician.

If it is absolutely necessary to troubleshoot an energized machine, follow NFPA 70E for proper procedures and personal protective equipment.

Before performing maintenance on any machine with electrical power, lockout/tagout the machine properly. When working on a machine outside of the machine's main electrical enclosure, not including work on the electrical transmission line to the machine, follow your company's approved lockout/tagout procedures which should include, but are not limited to the steps here.

- 1. Engage an E-stop on the machine.
- 2. Turn the disconnect switch handle on the machine's main electrical enclosure to the "off" position. See Figure 1.



3. Attach a lock and tag that meets OSHA requirements for lockout/tagout. See Figure 1.





Figure 1: Lockout/Tagout on the Main Electrical Enclosure

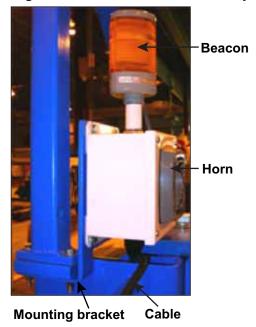




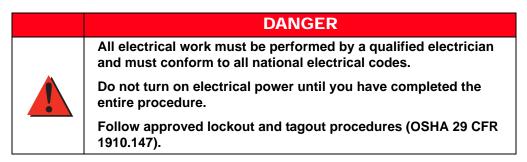
Adding a Horn and Beacon to a *RailRider*

- 1. Using a multimeter, verify that the power is off.
- 2. Attach the horn mounting bracket (PN67737) to the mast side of the gantry head. See Figure 2.
 - a) Remove the two (2) 3/8-16x1-1/2-in. hex head cap screws holding the mast in place. Keep the lock washers.
 - b) Bolt the horn mounting bracket (PN67737) beneath the mast mounting bar using two (2) 3/8-16x2-1/2-in. hex head cap screws (PN326945), two (2) lock washers and two (2) 3/8-16-in. nuts (PN361605). Each lock washer should be in contact with the nut.
- Attach the horn/light assembly and enclosure (PN90537-501) to the horn mounting bracket using four (4) 1/4-20x1-in. hex head cap screws (PN327161), four (4) 1/4-in. lock washers (PN364034), and four (4) 1/4-20-in. hex nuts (PN361601). Each lock washer should be in contact with the cap screw head. The horn/light assembly must be facing inward toward the table.

Figure 2: Beacon and Horn Assembly



- 4. Insert the straight cable connector (PN511487) into the hole in the bottom of the horn/light assembly enclosure. See Drawing 90110-507.
- 5. Open the horn/light assembly enclosure.
- 6. Run the cable (PN508097) through the straight cable connector and into the horn/light assembly enclosure.

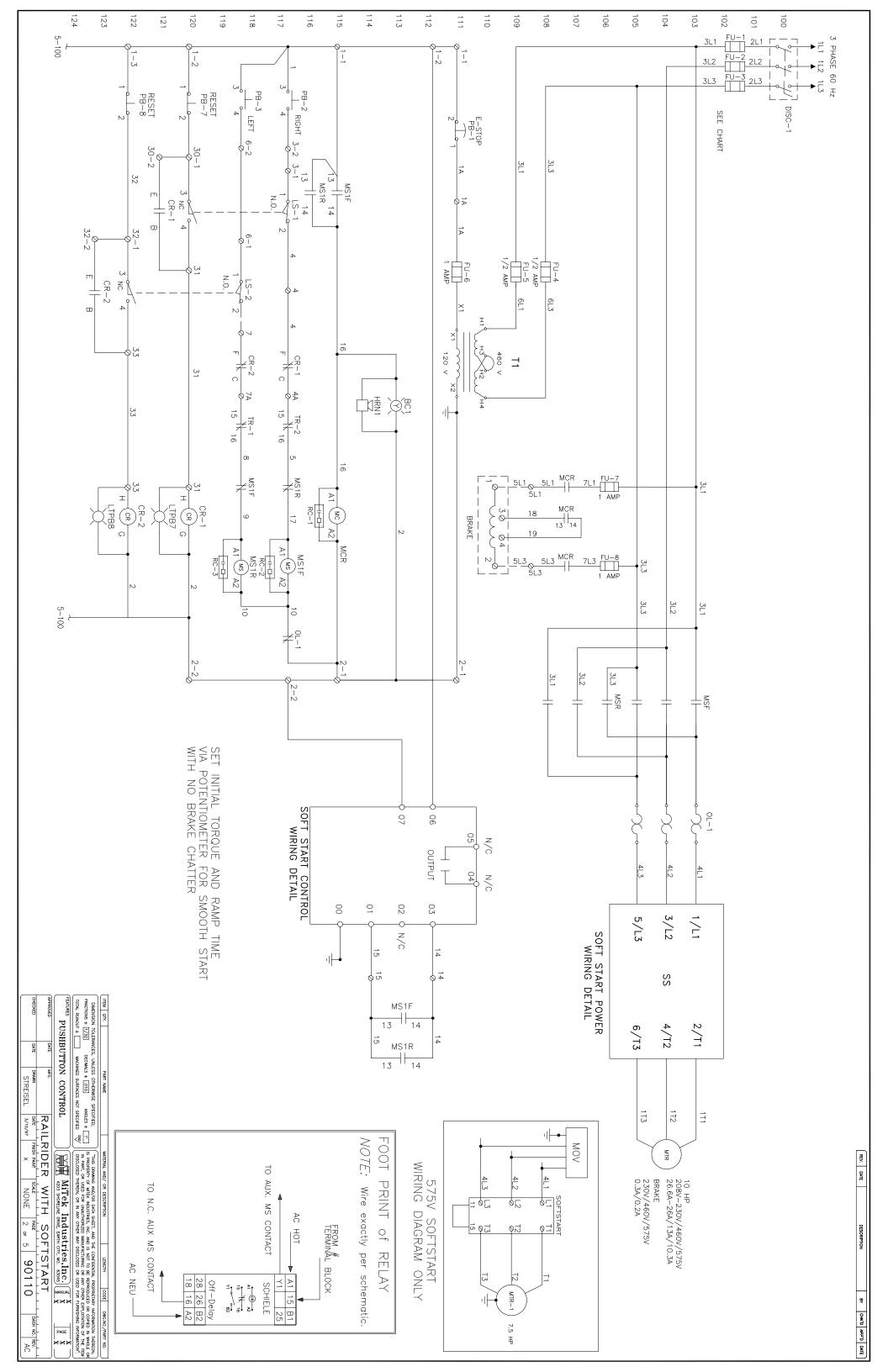


- 7. Wire-nut one wire each from the horn and beacon with the black cable wire.
- 8. Wire-nut one wire each from the horn and beacon with the white cable wire.

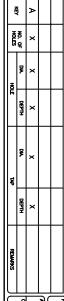


- 9. Wire-nut the ground wires.
- 10. Close the horn/light assembly enclosure.
- 11. Drill a .875-in. hole in the side of the control enclosure.
- 12. Insert the 90-degree cable connector (PN511502) into the hole. See Drawing 90110-507.
- 13. Open the control enclosure.
- 14. Run the cable through the 90-degree cable connector and into the enclosure.
- 15. Connect the black wire to any #16 terminal. See Drawing 90110.
- 16. Connect the white wire to any neutral. See Drawing 90110.
- 17. Connect the ground wire to any ground. See Drawing 90110.
- 18. Secure the cable to the gantry head with TY-WRAP (PN508704).
- 19. Remove the lockout/tagout device and restore power to the machine.
- 20. Verify that the horn and beacon are operating correctly before using the machine.

END OF SERVICE BULLETIN

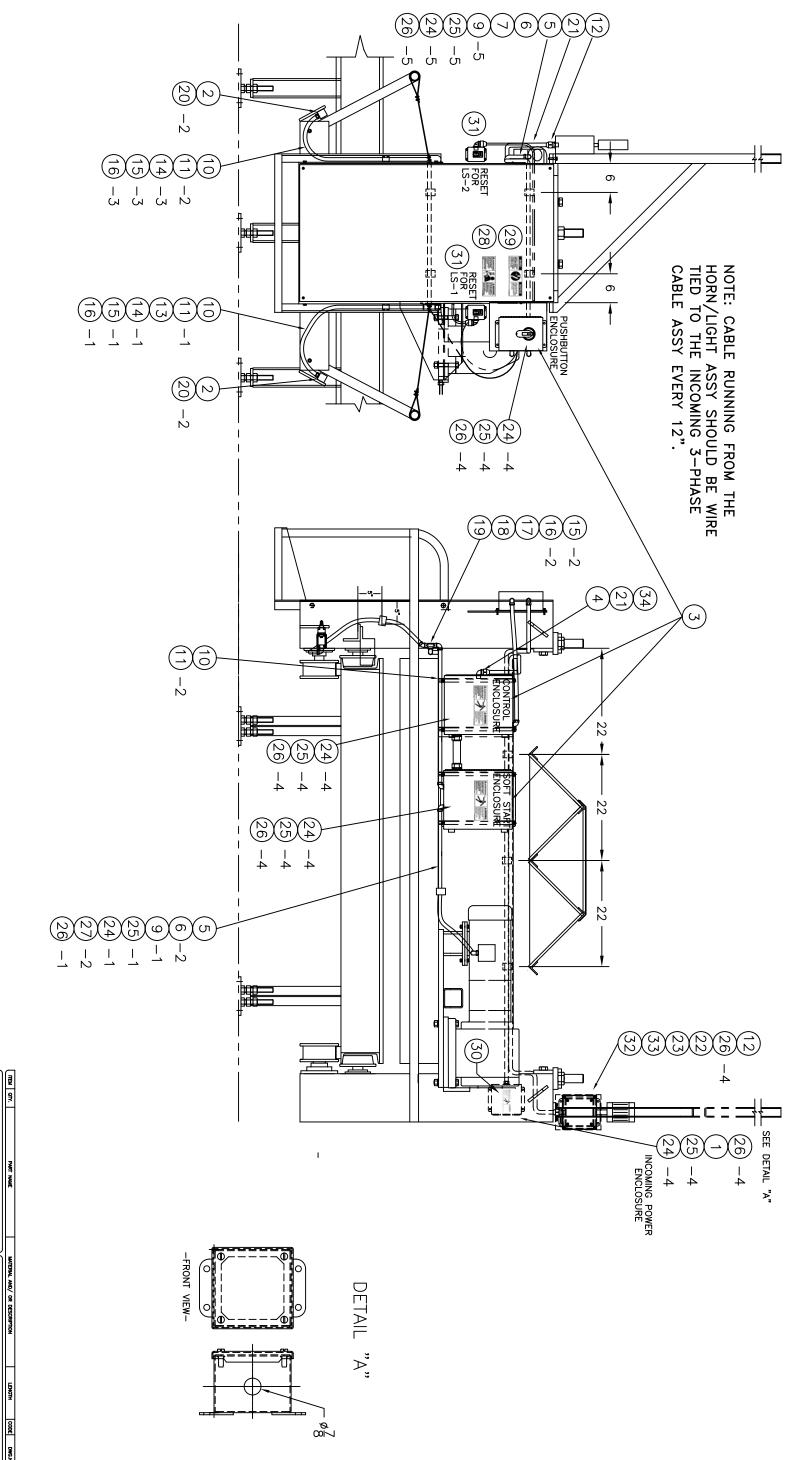


ASSEMBLY	ITEM #3
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90110-507-230V	90110-517-230V
90110-507-460V	90110-517-460V
90110-507-575V	90110-517-575V



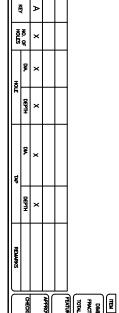
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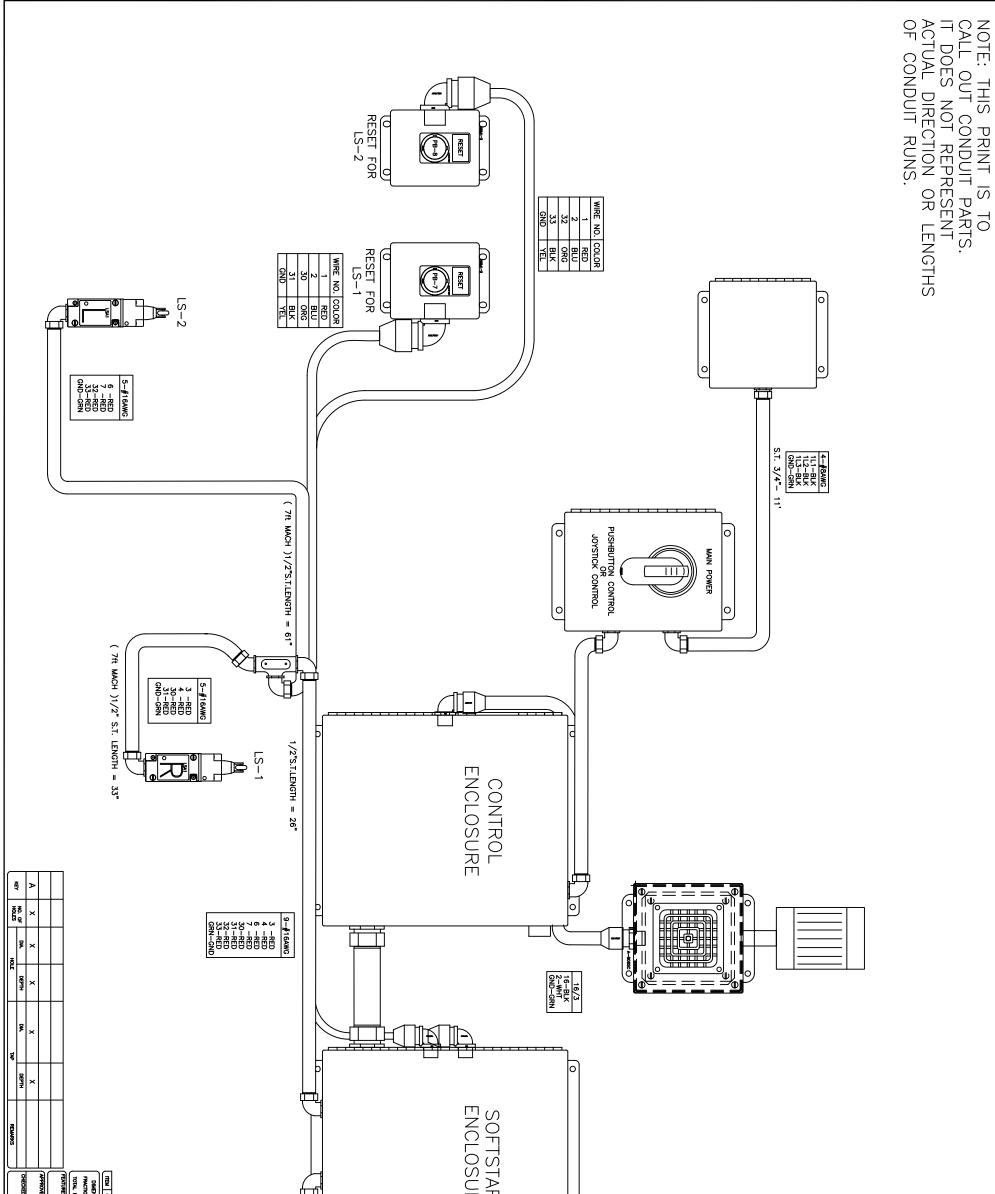


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