

SERVICE BULLETIN

**Subject: Authority22 Electrical Control Enclosure Isolation
Transformer - 115 V Machines Only**

Date: 2/15/08

Distribution: Authority22 Customers

Bulletin No. SB08-1

This bulletin applies to 115V Authority22 Lane Machines up to serial #891.

It has come to our attention that the line voltage wires (black & white) on the Isolation Transformer, part number 14-100209-000, can be pinched by the Squeegee Up/Down Motor bracket assembly. The Isolation Transformer is required on 115V Authority22 Lane Machines and is mounted on the bottom of the Electrical Control Enclosure. Refer to *Figure 1*.

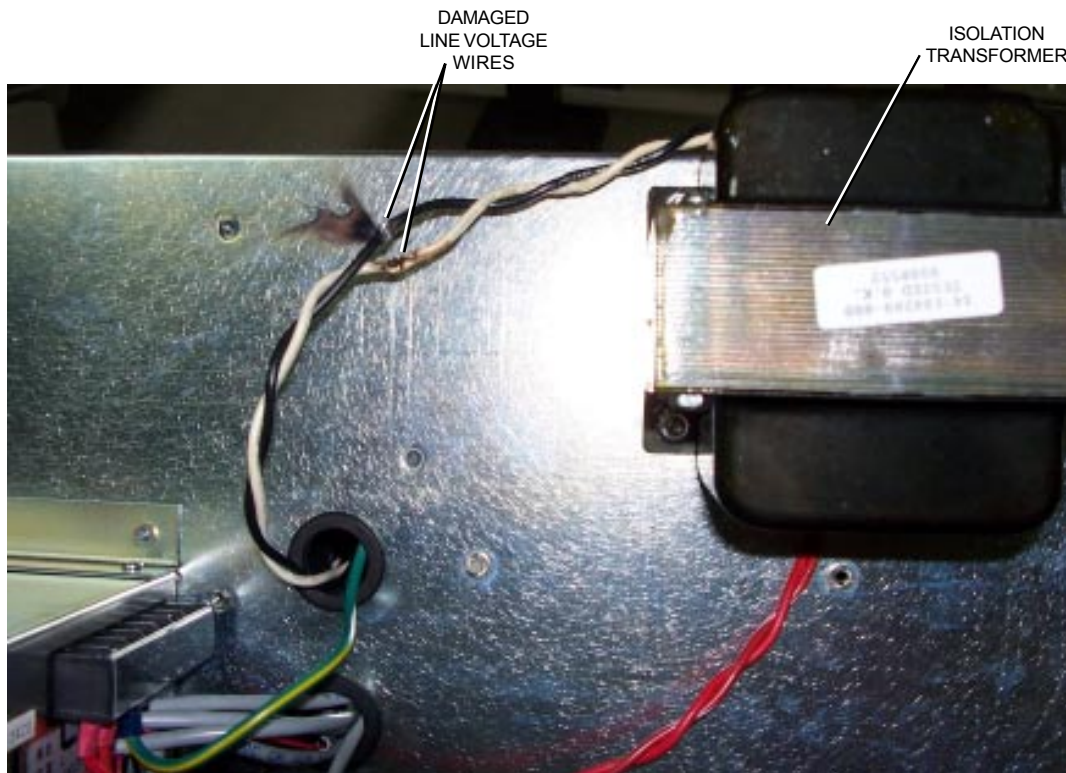


Figure 1

If the wires are pinched or cut, the Authority22 Lane Machine will lose power and the 16 amp breaker will trip (or the internal overload in the transformer will trip) causing an interruption in operation and down time while the operator locates the cause of the problem.

We have put a new routing procedure for the black and white wires into production for the Isolation Transformer. This includes a cable tie mount and a cable tie to hold the wires away from the Squeegee Up/Down Motor bracket.



WARNING!

Disconnect the power cord from the Authority22 Lane Machine and make sure the power switch on the Electrical Control Enclosure is in the off position before doing this procedure!

Please use the following instructions to add the cable tie mount and the cable tie to the bottom of the Electrical Control Enclosure.

Tools Required

3/8" drive ratchet
3/8" drive, 3/8" or 9mm socket
3/8" drive, long extension
wire cutters for trimming cable tie

Parts Required

Please contact the Customer Response Center at 1-231-725-4966 or via e-mail at crcsupport@brunbowl.com to obtain these cable tie mounts and cable ties.



WARNING!

Disconnect the power cord from the Authority22 Lane Machine and make sure the power switch on the Electrical Control Enclosure is in the off position before doing this procedure!

Installation Procedure

1. Begin by setting the machine in the operating position and removing the Graphic User Interface (GUI) from the machine. To remove the GUI on machines serial #500 to #582, remove the GUI alignment pin, remove the Communication Cable on the left hand side of the GUI and remove the Handle Keypad Connector and Power Connector on the right hand side of the GUI. On machines serial #583 and above, raise the GUI forward and just under the display screen, remove the Handle Keypad Connector and the Power Connector.
2. Remove all the connector plugs on the left and right hand side of the Electronic Control Enclosure. Remove the five Injector Cable Connectors next to where the GUI mounts. Refer to *Figure 2* for the left hand side and *Figure 3* for the right hand side of the Electrical Control Enclosure.
3. Using a 3/8" socket and 3/8" drive with extension, remove the four 1/4-20 x 1/2" long flanged hex head cap screws mounting the Electrical Control Enclosure to the mounting brackets. Retain the screws for future use. Refer to *Figures 2 and 3*.

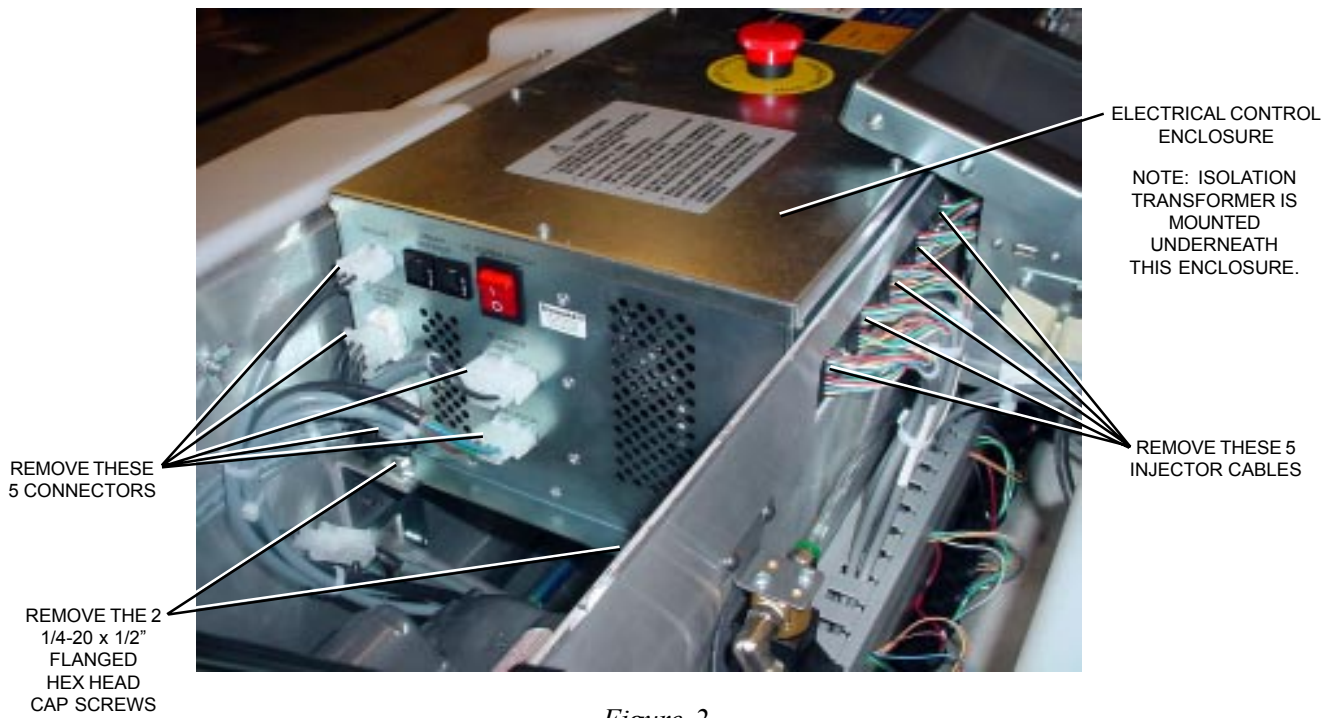


Figure 2

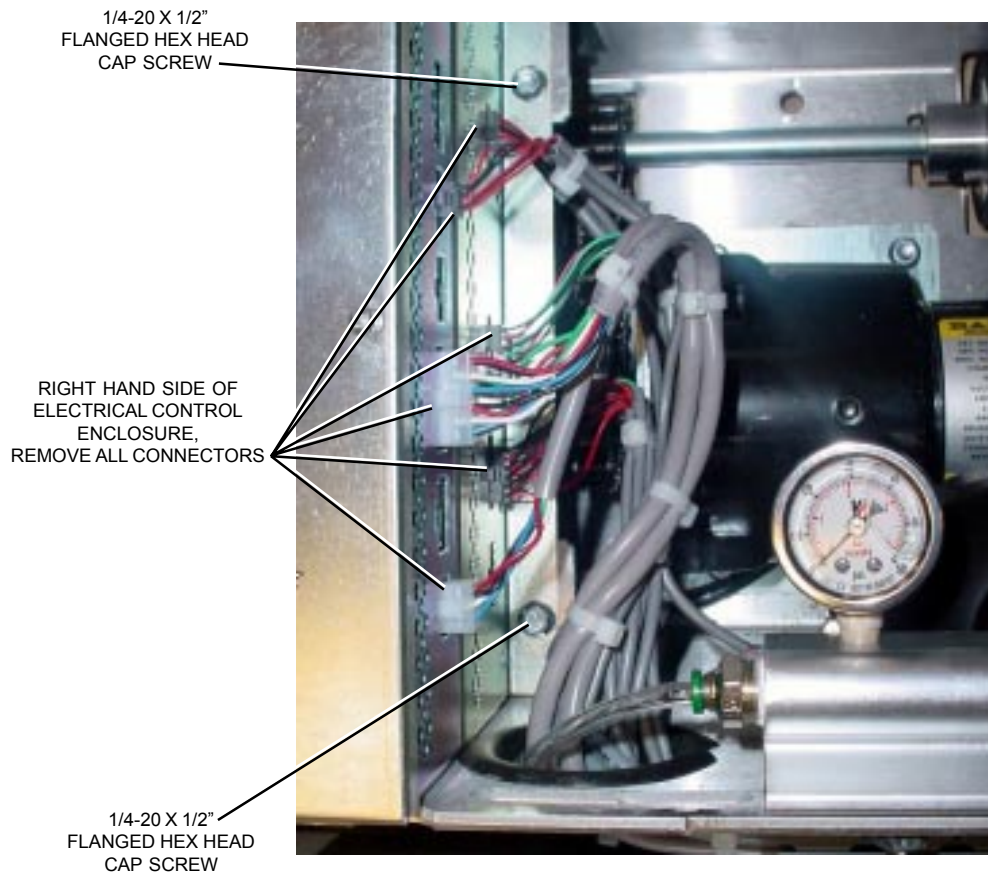


Figure 3

4. Lift the Electrical Control Enclosure out of the machine and set on a work bench. Mark the location where the cable tie mount will be added. This will be approximately 2" (51mm) to the left of the grommet seen in *Figure 4*. Remove the protective backing from the cable tie mount and install by pressing it firmly into place. Take the black and white wires and the two red secondary voltage wires from the Isolation Transformer and secure all the wires with a cable tie to the cable tie mount. Trim off excess cable tie.
5. Reinstall the Electrical Control Enclosure. Plug in all the connectors in the reverse order making sure they are seated and locked into position. Install the GUI back into its location and plug its connectors back in.

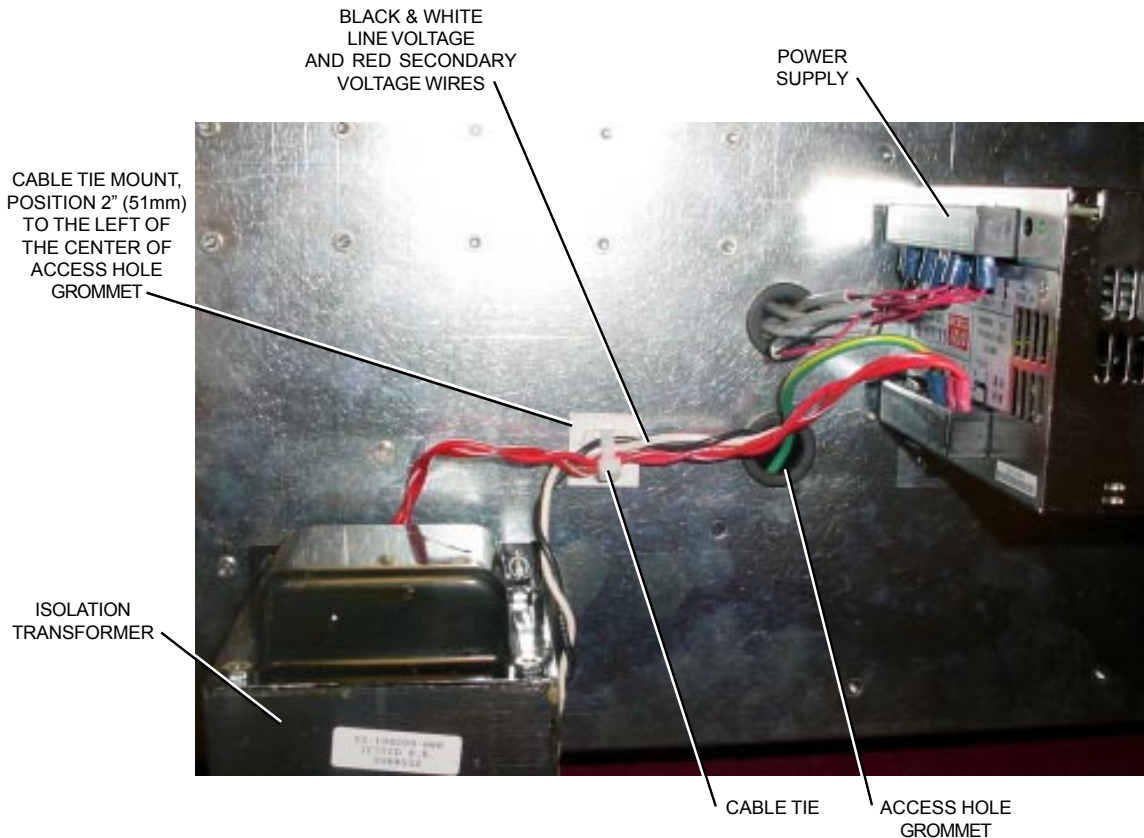


Figure 4

A copy of this letter can be found on the Brunswick Bowling web site, www.brunswickbowling.com/install. If you have any questions regarding this or any other Service Letter, please contact the Brunswick Customer Response Center at 1-800-937-2695 or 1-231-725-4966 or via e-mail at crsupport@brunbowl.com.

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