

Field Replacement of A/D Ribbon Cable in BVS-S3

Date: 6-21-00

*This procedure outlines the steps required to replace the A/D Ribbon Cable in the BVS-S3 chassis. The Chassis is located inside the lower half of the BVS enclosure.*

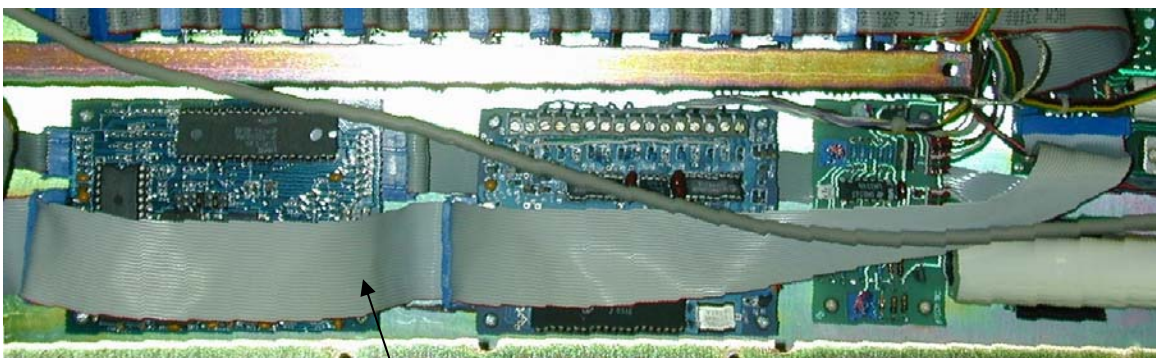
**Note: Before performing this procedure, read this entire document. If you have any questions, contact BTECH Technical Support. We are here to assist you!**

**ELECTROCUTION HAZARD!**

**This procedure involves working with high voltage. The voltage sensing leads and load current leads carry full battery voltage. Battery Voltage can be as high as 600Vdc depending on the battery system! If you are not trained to work with high voltage equipment, do not attempt to use this procedure!**

1. Turn the RUN/STANDBY switch to STANDBY and the NiCad switch to the OFF position.
2. Remove AC power.
3. Open the BVS cabinet and remove the chassis cover.
4. Locate the ribbon cable that connects the motherboard (the large PC board on the right side) to the A/D board (the board in the lower middle) to the BASICON controller board (the two-tiered board in the lower left).
5. Note the orientation of the connector to the board.
6. Remove the ribbon cable.
7. Replace the cable with the new cable, being sure that the connectors are placed correctly and not shifted up by a row of pins or shifted to the side by a row of pins.
8. Check to ensure that the cable is firmly seated into the pins.
9. Replace the chassis cover.
10. Restore AC power.
11. Turn the RUN/STANDBY switch to RUN and the NiCad switch to the ON position.
12. Wait approximately one minute for the display to return to normal.

NOTE: The A/D board in the picture is an older version, however the cable connection on the new board is in a similar location.



Ribbon Cable to be replaced