

B120R Can-Bus/Ribbon Cable Checks

Step 1

With the X4 connector removed from the AO1 Main Controller, test across pins 1 & 5 on the AO1 Board, OHM reading should be 120. Continue on to Step #2.

Step 2

With the B plug connector removed, test across pins 5 & 6 on the AO4 Drive controller, should be 120 OHM's. Continue on to Step #3.

Step 3

After checking resistors (120 OHM check) in both the AO1 Main Controller & AO4 Drive Controller, with both B and X4 reconnected test across Pins 1 & 5 on the X4 connector, should be 60 OHM's. Continue on to Step #4.

Step 4

With ribbon cable removed from both AO1 Main Controller and AO2 Control Panel perform a continuity check. Look for any portions of the cable that are creased or disformed. If there are these spots, while doing a continuity check, bend and move these areas to see if meter reading changes, should not. Once done continue on to Step #5.

Step 5

With Brush and Vac motors disconnected from the AO1 Main Controller, Remove X13 from the AO1 controller and place black probe in X13 plug/connector, place meter on OHM's. continue on to step #6.

Step 6

Remove each Molex connector from the AO1 Main Controller, and place your red probe on each pin in the Molex connector. ALL readings should be O.L. on the meter. If resistance is present, this will be a direct short in the harness and will need to be addressed.