

Troubleshooting		Motor Voltage Calibration Procedure
310 & 3100 Series Release 1-4		May 15, 2014

MOTOR VOLTAGE CALIBRATION PROCEDURE FOR 310 & 3100 SERIES RELEASE 1-4 INCUBATORS

1. Check power at outlet for incubator. If voltage is above 105 volts for 115v models or 210v for 230v models, continue with procedure. If voltage is below these levels, calibration is not necessary.
2. Slide control panel out. Open outer door to chamber. Remove the outermost Philips screws below the control panel. Grip the sides of the control panel and pull out.
3. Locate the micro-board. Looking inside the control panel, locate the large circuit board close to the front but on the bottom of the control drawer.
4. Place leads of voltmeter in pins 4 and 5 of J5 on micro-board. **Note: Meter must be a true RMS meter. If not, do not continue with blower motor calibration.** If the voltage reading is 105 VAC stop here. If not, continue.
5. Enter test mode from control panel by pressing right and left arrows simultaneously. *Test mode* will appear in the message center when you are successful.
6. Press the right arrow until MTR +/-XXX (or MTR CAL) appears in the message center. Press enter.
7. The motor will start and you will have AC voltage at terminals 4 and 5 of J5 on the micro-board.
8. Using the up and down arrows, change the MTR number and press enter. This will change the voltage at terminals 4 and 5.
9. Adjust the voltage to 105 volts.
10. Press mode to return to normal run mode.
11. Slide control drawer in taking care not to pinch door the cord from the chamber glass door.
12. Replace the screws and return unit to service.