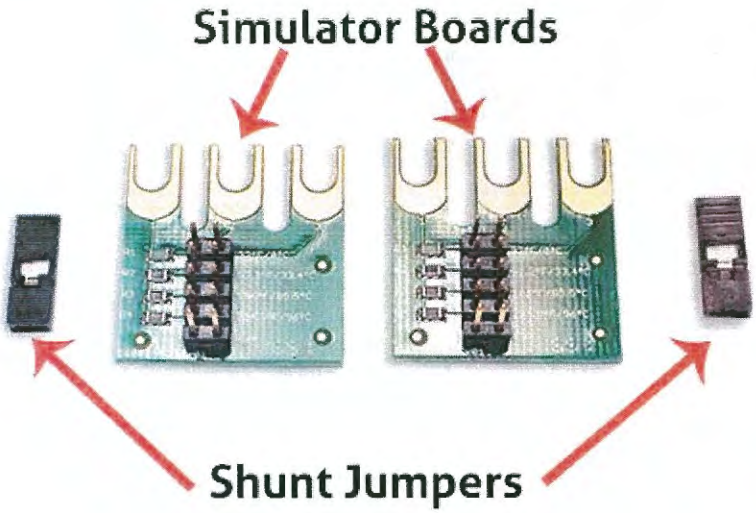
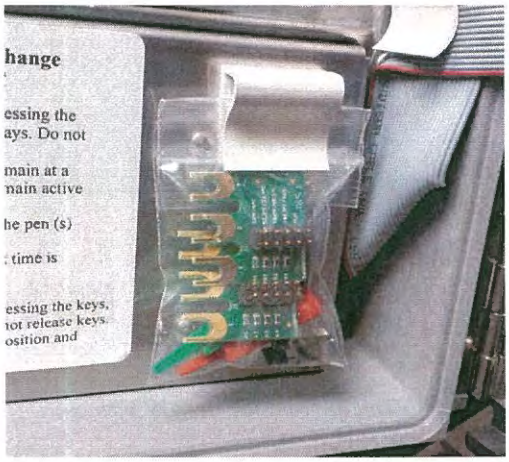
AJ300 Recorder Simulator Board Test Procedure for RTD Input

Note: Simulator boards are used for testing only and not for final calibration.





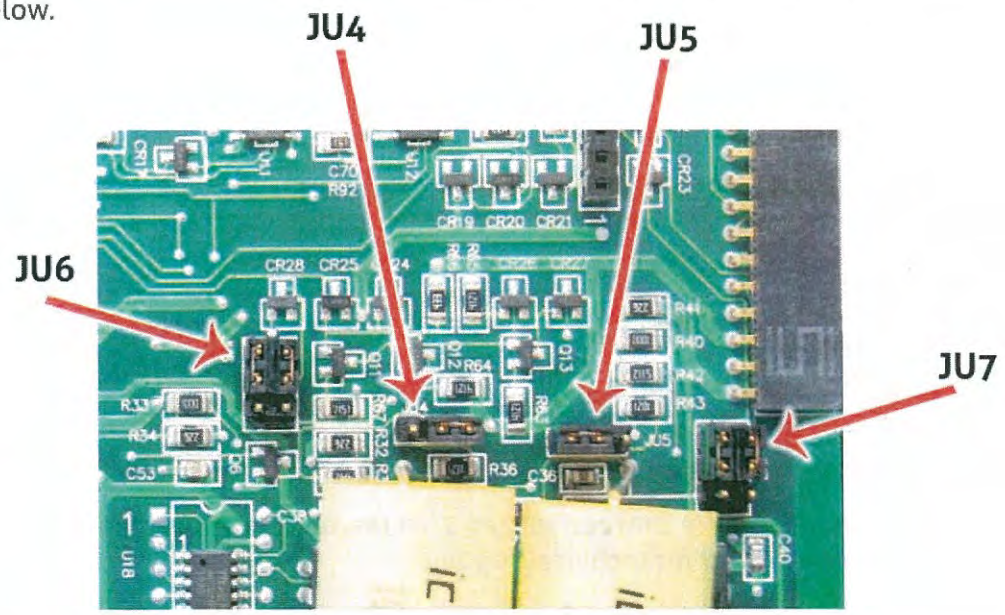
Note: Simulator Boards and Shunt Jumpers are supplied with all AJ recorders located in plastic bag on inside of recorder door. Replacement simulator board part number SP56014E0193.

The following procedure can be utilized to test the AJ recorder RTD input functionality:

Prior to performing this test the recorder must be programmed for RTD input (InPS = 20 or 21), input correction (Icor) values must be set to "0" and chart range upper (CrU)/chart range lower (CrL) values must be programmed to match paper chart scale.

* For Vat Pasteurization systems refer to Technical Guide: AJ300 Program - °F /AJ300 Program - °C visit www.VatPasteurization.com

Input shunt jumper positioning on the AJ MotherBoard must be set properly for RTD inputs, see picture below.

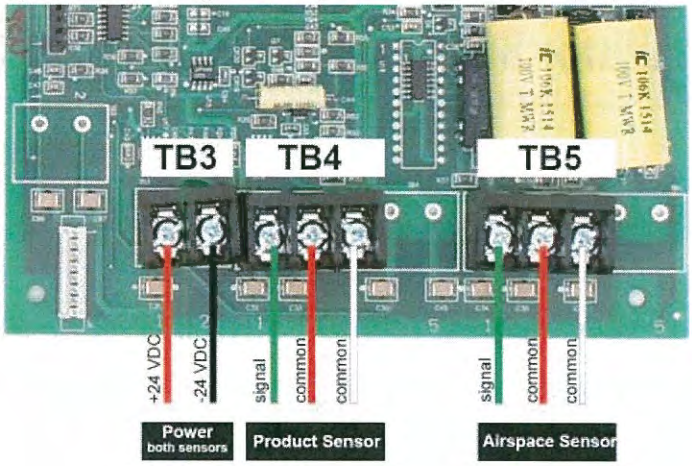


Step 1

Power down recorder.

Step 2

Remove existing sensor wiring from input terminals TB4 and TB5 on AJ motherboard.

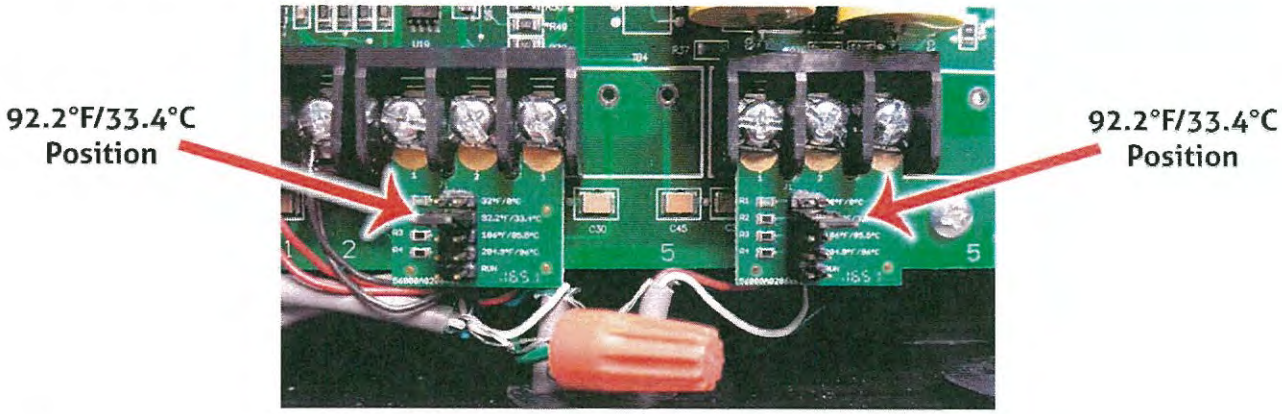


Step 3

Install Simulator Boards at screw terminals 1, 2 and 3 of input terminal TB4 and TB5 on AJ motherboard.

Step 4

Place Simulator Board shunt jumpers to 92.2° F/33.4°C position on both Simulator Boards.

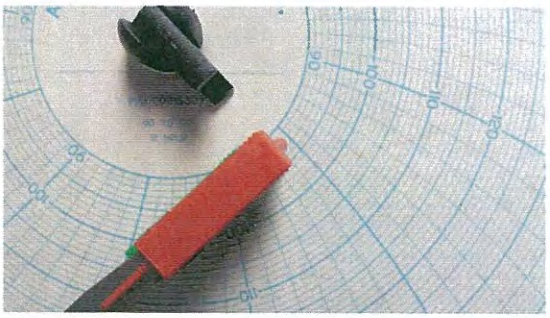


Step 5

Re-apply power to recorder.

Step 6

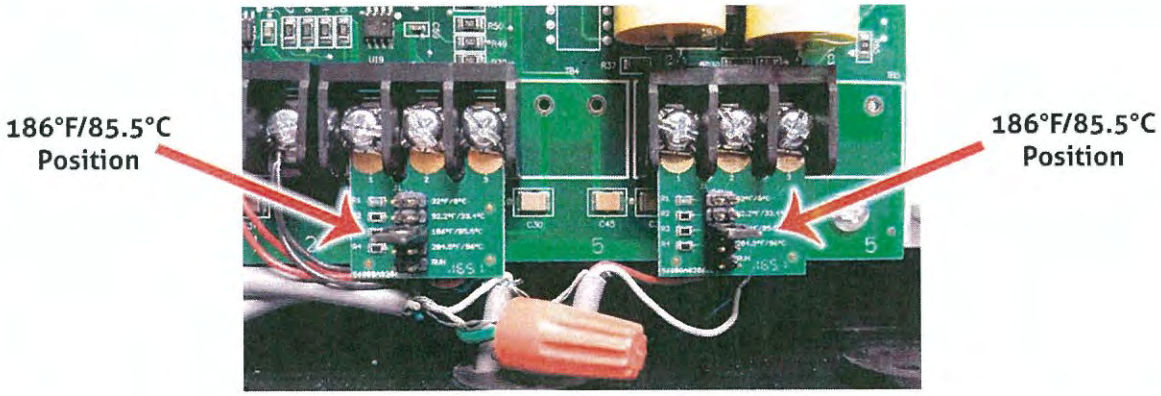
Verify recorder displays and pens are reading 92 degrees F or 33 degrees C +/- 5 degrees.



If readings are within tolerance proceed to step 7 - If readings are outside of tolerance contact your Anderson-Negele dealer for technical support.

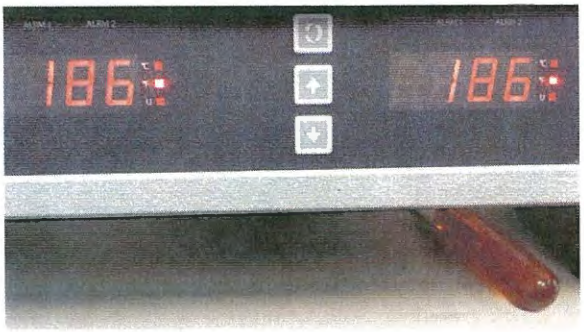
Step 7

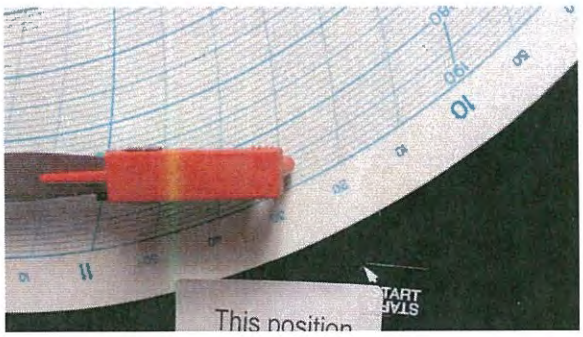
Place Simulator Board shunt jumpers to 186° F/85.5°C position on both Simulator Boards.



Step 8

Verify recorder displays and pens are reading 186 degrees F or 85.5 degrees C +/- 5 degrees.





If readings are within tolerance the recorder is functioning properly – Simulator Boards can be removed, sensor wiring re-connected and system calibrated as needed. If readings are outside of tolerance contact your Anderson-Negele dealer for technical support.

*For Vat Pasteurization systems refer to Technical Guide: AJ300 Vat Pasteurization System Calibration visit www.VatPasteurization.com