Food Warming Equipment Co. Inc.
5599 Highway 31W, Portland, TN 37148
• 800-222-4393 •

Service Information

Date: 6-25-25	Number: SI-LCHR01
Subject: INSTRUCTIONS FOR REPLACING MEAT PROBE SOCKETS ON LCHR UNITS. Z-600-6113 Z-500-3032	

Purpose: To replace the faulty meat probe sockets with new ones.

Priority Service Notes:

1) Be sure to take note of wire locations for each socket. Fig 1.
2) To unmount sockets, remove the screws as noted in Fig 2 A & B.
3) Clean all existing silicone from the socket mount. Fig 3.
4) Make sure all sockets are properly sealed.
5) Ensure correct orientation of sockets when installed. Fig 4.

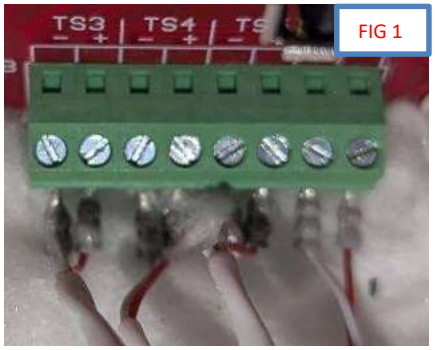


FIG 1


FIG 2A

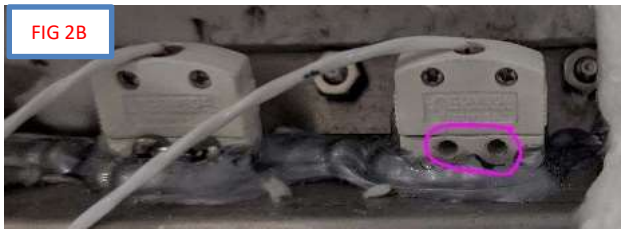


FIG 2B


FIG 3

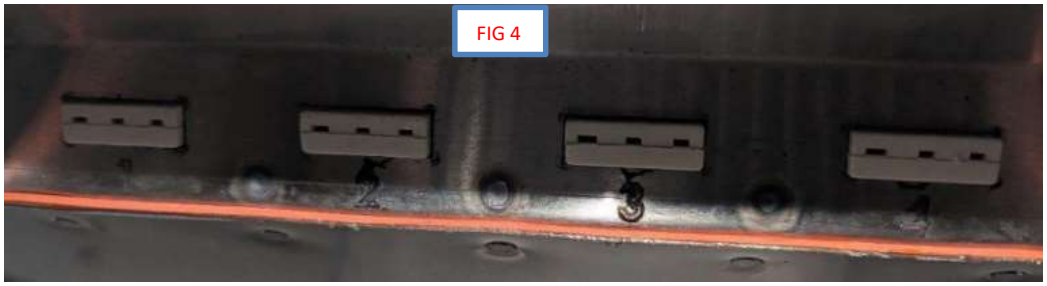
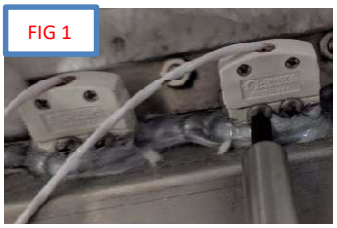


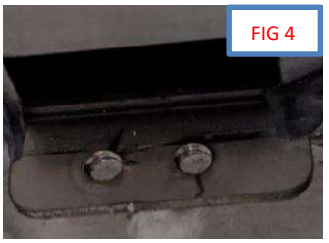
FIG 4

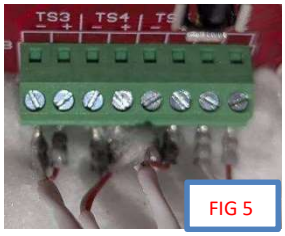
Detailed Installation Instructions:

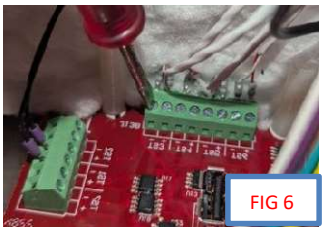


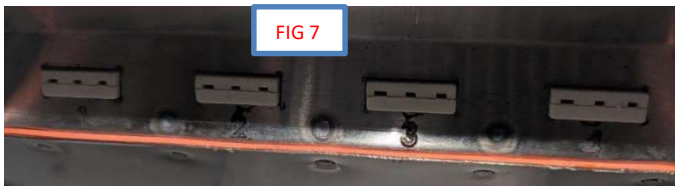
1) Power the unit on and locate the gears icon in the bottom right corner and press it.
2) On the enter PIN screen, enter 4393, then press the green check box.
3) On the next screen, you will see a calibration box. Press it.
4) Get a glass of ice water and one known working meat probe for testing.
5) Insert the meat probe into the far-left socket port #1 on the unit and the other end into ice water. FIG 7
6) On the screen, verify P1 meat probe reading.
    a. It should be between 34-38 degrees for a correct reading.
    b. Any temperature above or below that range, contact factory 800-222-4393 option 3.

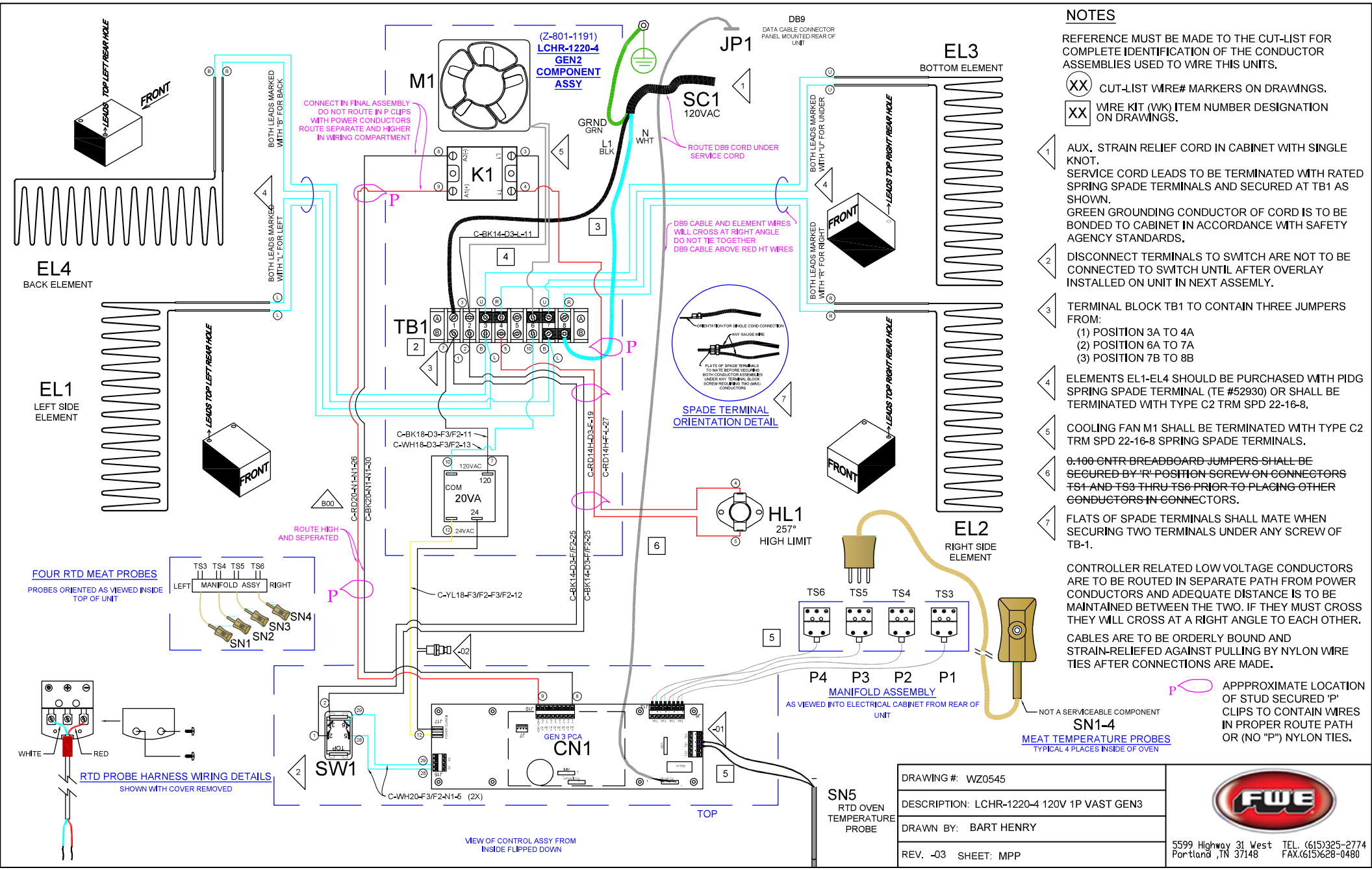
7) Repeat steps 5 and 6 for the 3 remaining probe sockets.
8) Once faulty probe sockets have been identified and confirmed, turn the unit off.
9) Unplug the unit from the power source.
10) Remove the top from the unit.
11) Locate faulty probe sockets inside the top of the unit. FIG 1
12) To remove faulty probe sockets, remove the 2 screws holding it in place. FIG 2
13) Pull out the faulty probe socket, being careful not to let any debris fall into the unit's cavity. FIG 3
14) Clean off any old silicone around the probe socket mounting area. FIG 4
15) Follow the wires back to the control board, taking close notes of where and how they are connected. FIG 5
16) Remove wires from the control board. FIG 6
17) Locate the new probe socket and wire to the control board the same way the previous one was.
18) Mount probe socket to unit using screws removed in step 12.
19) Silicone around the probe socket to ensure it is fully sealed so no cavity vapors can get into the control area.
20) Repeat steps 11-19 for any other faulty probe sockets identified in step 6.
21) Once all faulty probe sockets have been replaced, plug the unit back in.
22) Repeat steps 1-7 and confirm all probe sockets now read within the correct range.
23) Once the unit passes all tests, turn the unit off and remove all testing equipment.
24) Replace the top cover and return the unit to normal operation.











NOTES

REFERENCE MUST BE MADE TO THE CUT-LIST FOR COMPLETE IDENTIFICATION OF THE CONDUCTOR ASSEMBLIES USED TO WIRE THIS UNITS.

(XX) CUT-LIST WIRE# MARKERS ON DRAWINGS.

XX WIRE KIT (WK) ITEM NUMBER DESIGNATION ON DRAWINGS.

1. AUX. STRAIN RELIEF CORD IN CABINET WITH SINGLE KNOT.
   SERVICE CORD LEADS TO BE TERMINATED WITH RATED SPRING SPADE TERMINALS AND SECURED AT TB1 AS SHOWN.
   GREEN GROUNDING CONDUCTOR OF CORD IS TO BE BONDED TO CABINET IN ACCORDANCE WITH SAFETY AGENCY STANDARDS.
2. DISCONNECT TERMINALS TO SWITCH ARE NOT TO BE CONNECTED TO SWITCH UNTIL AFTER OVERLAY INSTALLED ON UNIT IN NEXT ASSEMLY.
3. TERMINAL BLOCK TB1 TO CONTAIN THREE JUMPERS FROM:
   (1) POSITION 3A TO 4A
   (2) POSITION 6A TO 7A
   (3) POSITION 7B TO 8B
4. ELEMENTS EL1-EL4 SHOULD BE PURCHASED WITH PIDG SPRING SPADE TERMINAL (TE #52930) OR SHALL BE TERMINATED WITH TYPE C2 TRM SPD 22-16-8.
5. COOLING FAN M1 SHALL BE TERMINATED WITH TYPE C2 TRM SPD 22-16-8 SPRING SPADE TERMINALS.
6. ~~0.100 CNTR BREADBOARD JUMPERS SHALL BE SECURED BY 'R' POSITION SCREW ON CONNECTORS TS1 AND TS3 THRU TS6 PRIOR TO PLACING OTHER CONDUCTORS IN CONNECTORS.~~
7. FLATS OF SPADE TERMINALS SHALL MATE WHEN SECURING TWO TERMINALS UNDER ANY SCREW OF TB-1.

CONTROLLER RELATED LOW VOLTAGE CONDUCTORS ARE TO BE ROUTED IN SEPARATE PATH FROM POWER CONDUCTORS AND ADEQUATE DISTANCE IS TO BE MAINTAINED BETWEEN THE TWO. IF THEY MUST CROSS THEY WILL CROSS AT A RIGHT ANGLE TO EACH OTHER.

CABLES ARE TO BE ORDERLY BOUND AND STRAIN-RELIEFED AGAINST PULLING BY NYLON WIRE TIES AFTER CONNECTIONS ARE MADE.

P APPPROXIMATE LOCATION OF STUD SECURED 'P' CLIPS TO CONTAIN WIRES IN PROPER ROUTE PATH OR (NO "P") NYLON TIES.

DRAWING #:	WZ0545
DESCRIPTION:	LCHR-1220-4 120V 1P VAST GEN3
DRAWN BY:	BART HENRY
REV. -03	SHEET: MPP

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