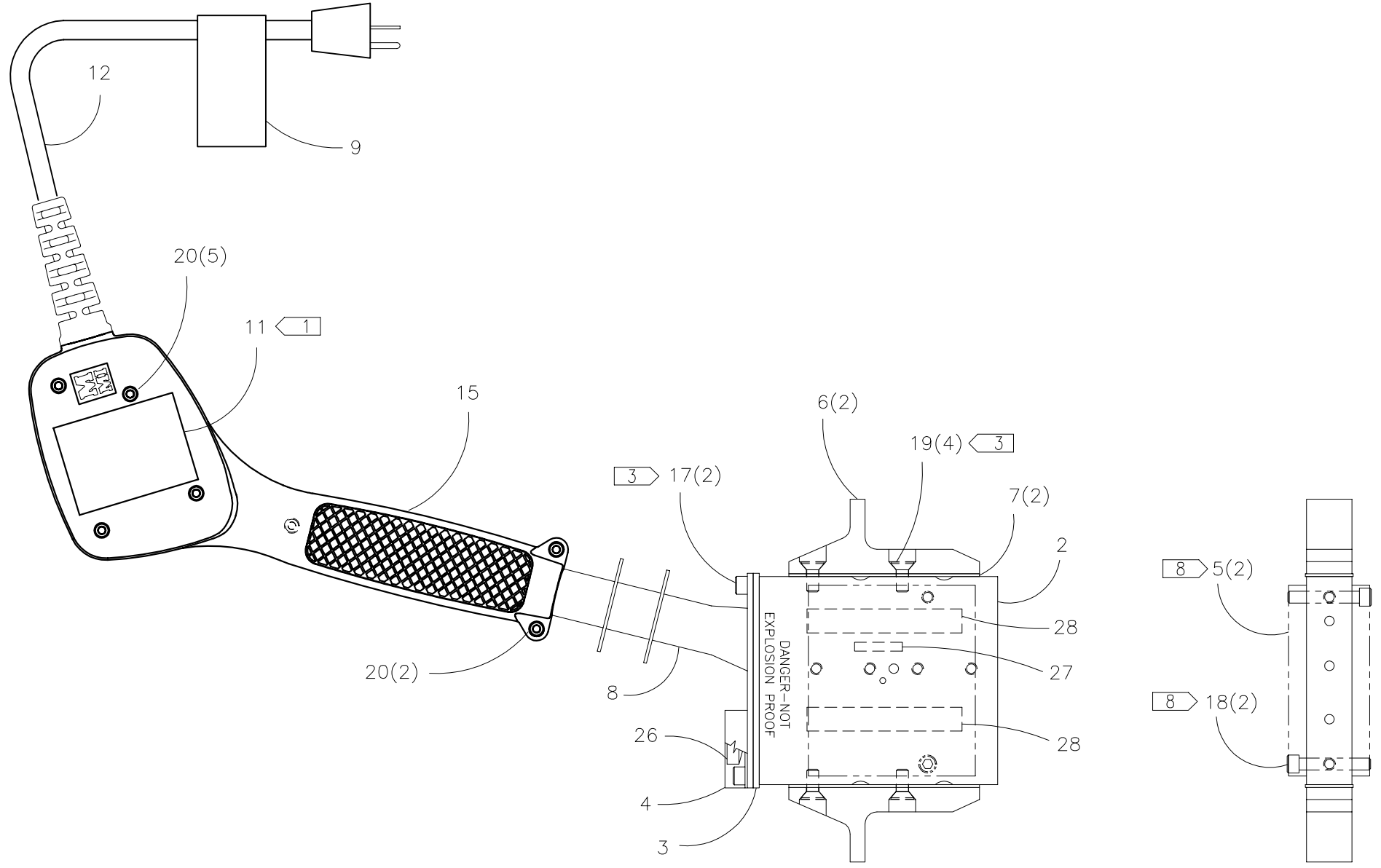




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 The leader by design.  
 Tulsa, Oklahoma U.S.A.

DRAWN: RLE	CHECK: TMT	APPRV'D: JRP	DATE: 3/7/02	DWG No: 215500	SHT No: 4A	REV No: C	PART No: 215504
2" Multi-Mc BUTT PLATE HEATER ASSEMBLY 200-240V, 50/60Hz, 1Ph							CAD No: 215504

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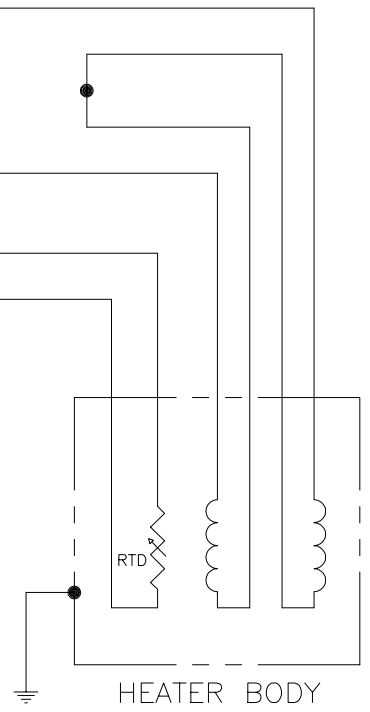
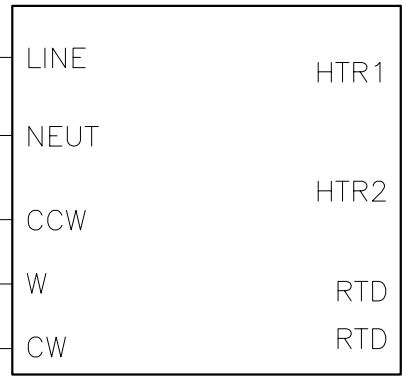
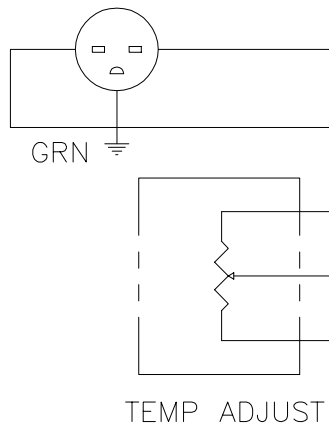


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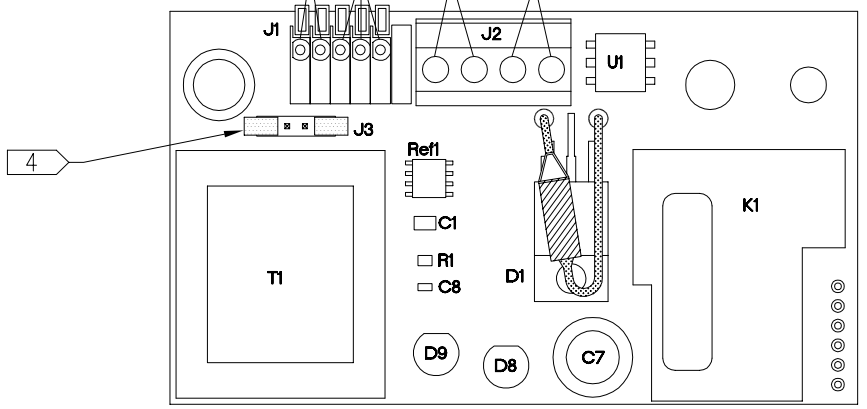
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2" Multi-Mc BUTT PLATE HEATER ASSEMBLY 200-240V, 50/60Hz, 1Ph							CAD No: 215504

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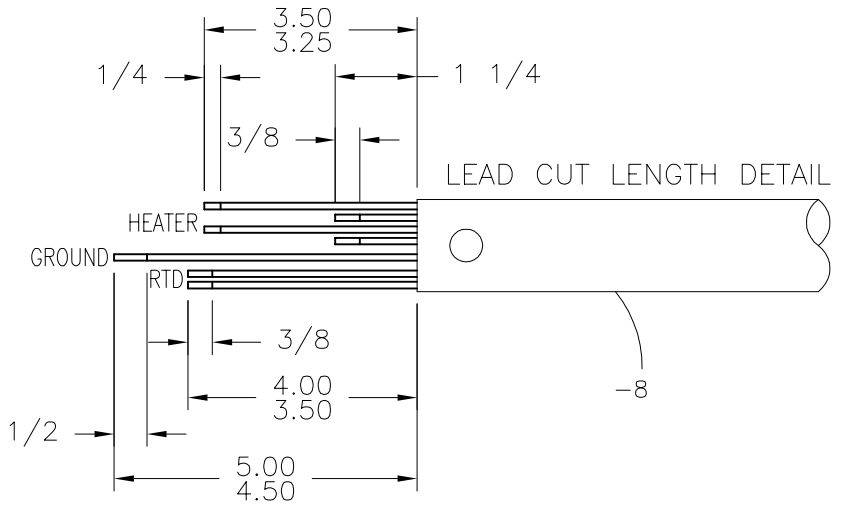
240 VAC PLUG



RTD LEADS  
 POTENTIOMETER LEADS  
 HEATER ELEMENT LEADS  
 POWER LEADS



DETAIL ITEM -13 REF.

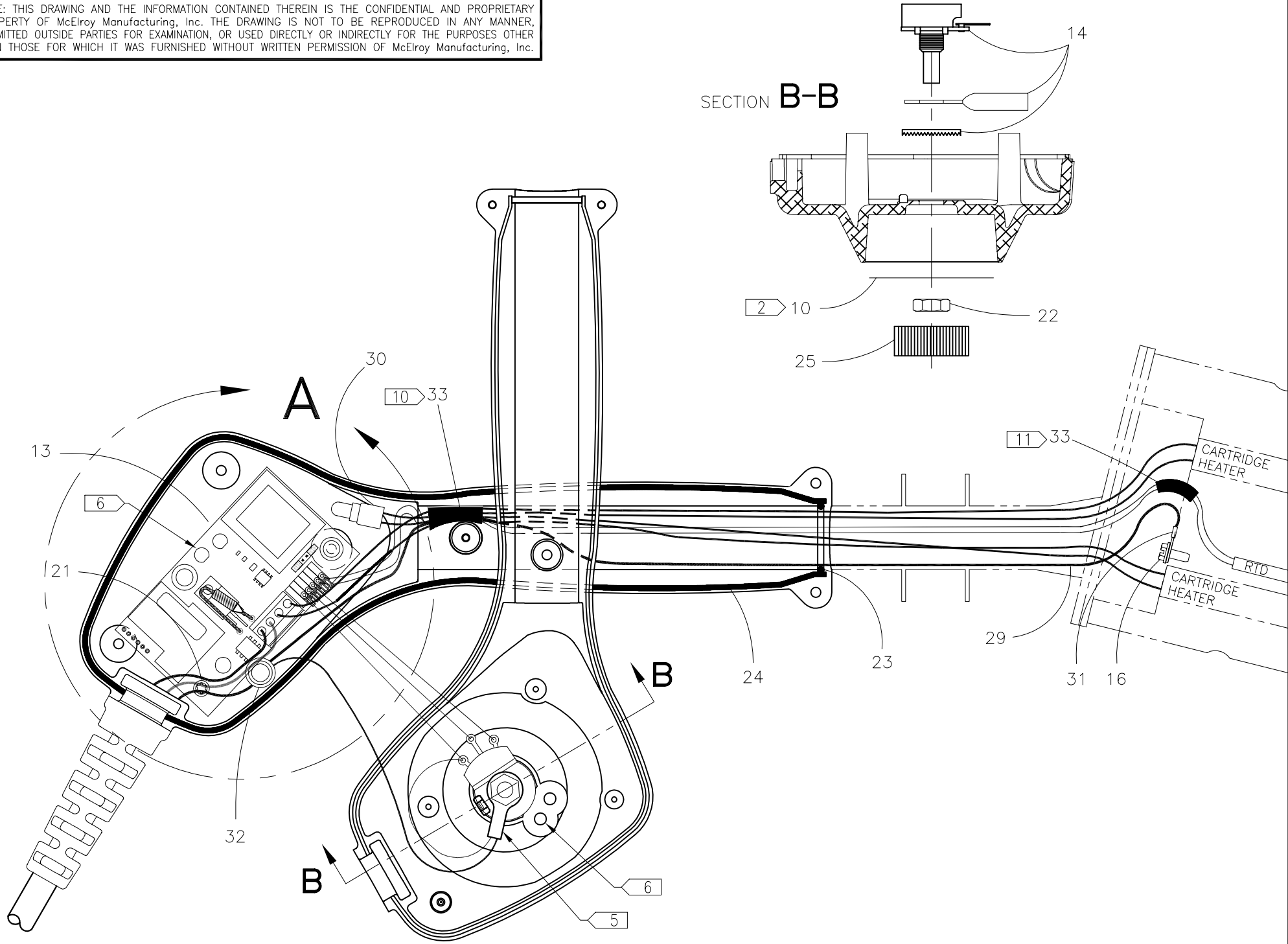




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DRAWN: RLE	CHECK: TMT	APPRV'D: JRP	DATE: 3/7/02	DWG No: 215500	SHT No: 4C	REV No: C	PART No: 215504
2" Multi-Mc BUTT PLATE HEATER ASSEMBLY 200-240V, 50/60Hz, 1Ph							CAD No: 215504

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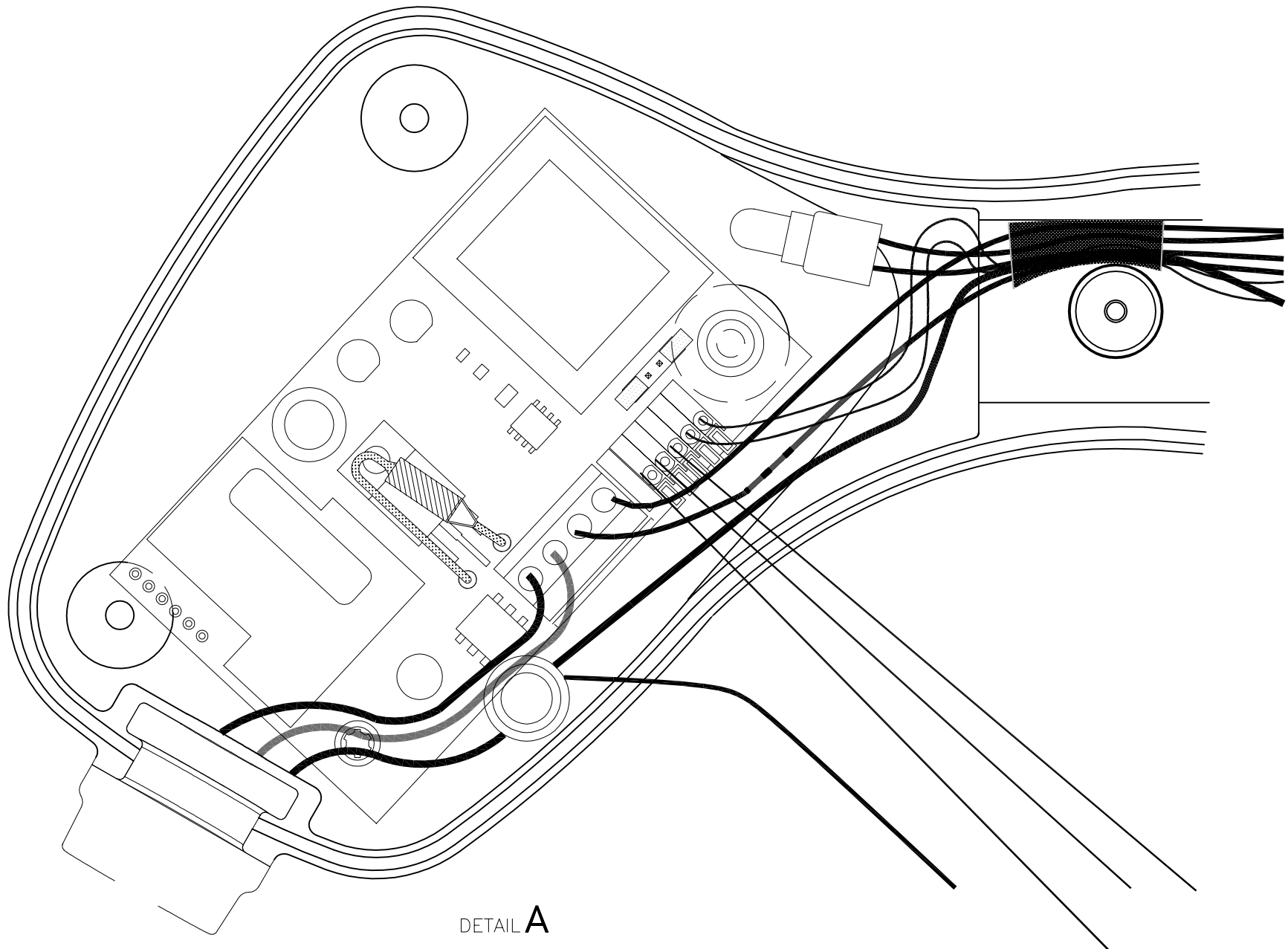


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DRAWN: RLE	CHECK: TMT	APPRV'D: JRP	DATE: 3/7/02	DWG No: 215500	SHT No: 4D	REV No: C	PART No: 215504
2" Multi-Mc BUTT PLATE HEATER ASSEMBLY 200-240V, 50/60Hz, 1Ph							CAD No: 215504

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DETAIL TO SHOW HOW TO LAY WIRES INTO ENCLOSURE



DETAIL A

**2" Multi-Mc BUTT PLATE HEATER ASSEMBLY  
200-240V, 50/60Hz, 1Ph**

Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
	<b>215504</b>		<b>ASSEMBLY</b>
1	A214102	1	SOCKET FUSION SCREW/DRIVER KIT (NOT SHOWN)
2	214501	1	Multi-Mc HEATER BODY
3	214701	1	Multi-Mc HEATER COVER PLATE GASKET
4	214801	1	Multi-Mc THERMAL GUARD
5	215401	2	Multi-Mc HEATER BUTT PLATE
6	215901	2	2" Multi-Mc HEATER SUPPORT BRACKET
7	215902	2	2" Multi-Mc HEATER SUPPORT BRACKET GASKET
8	226501	1	HEATER COVER PLATE WELDMENT
9	410906	1	DANGER NOT EXPLOSION PROOF TAG LABEL
10	816382	1	TEMPERATURE SCALE LABEL
11	816386	1	MODEL 215504 PART NO. LABEL
12	1854801	1	15AMP/250V POWER CORD
13	T5030001	1	HEATER CONTROL PCB ASSEMBLY
14	T5030002	1	POTENTIOMETER ASSEMBLY
15	T5030103	1	HEATER HANDLE/ENCLOSURE
16	MAH00036	1	#6-32NC x 3/8 LG. HWH TC SCREW
17	MAH00052	2	1/4-20NC x 3/4 LG. SHCS SS
18	MAH00072	2	1/4-20NC x 1-1/2 LG. SHCS SS
19	MAH00073	4	1/4-20NC x 5/8 LG. FHSCS SS
20	MAL00010	7	#6-19 x 3/4 LG TORX T15 PAN HEAD SCREW
21	MAL00011	1	#6-19 x 1/4 LG TORX T15 PAN HEAD SCREW
22	MBA00067	1	HEX SEAL NUT
23	MDL00018	1	O-RING
24	MDL00243	26IN	.070 DIA. BUNA-N O-RING STOCK
25	MJJ00023	1	CONTROL KNOB
26	MJK00001	1	5" LG., 150-750° F THERMOMETER
27	MKI00003	1	1 x 3/16 316SS 100 OHM PLATINUM RTD
28	MLD00008	2	120V, 400W, 1/2 x 2-1/2 CARTRIDGE HEATER
29	MLL00004	18IN	#18 TYPE TGGT ELECTRICAL WIRE
30	MLM00002	1	CRIMP ON WIRE JOINT
31	MLM00004	1	RING TERMINAL
32	MLM00010	1	CONNECTOR
33	MLN00219	8IN	FIBERGLASS TAPE

**NOTES:**

1. ITEM 11 SHOULD BE ORIENTED THE SAME AS THE MMI LOGO.
2. ITEM 10 MUST BE ORIENTED SO THE NOTCH ENGAGES THE KEY ON ITEM 15.
3. INSTALL WITH HIGH TEMPERATURE ANTI-SEIZE COMPOUND.

**2" Multi-Mc BUTT PLATE HEATER ASSEMBLY**  
**200-240V, 50/60Hz, 1Ph**

Parts List

ITEM	PART NO.	QTY.	DESCRIPTION
4.			PLACE ONE JUMPER ON CENTER TWO PINS FOR 200-240V OPERATION.
5.			RING TERMINAL MUST BE ORIENTED AS SHOWN.
6.			WHEN MATING HALVES, MAKE SURE THE LED ON THE PC BOARD, ITEM 13, FITS INTO LONG SOCKET ON COVER.
7.			SET AND CHECK TEMPERATURE PER SP-9.
8.			THESE ITEMS ARE NOT PART OF THIS ASSEMBLY. ORDER A215701 BUTT PLATE REPLACEMENT KIT FOR THESE PARTS.
9.			USE PART NUMBER A215504 FOR TOTAL ASSEMBLY WHICH INCLUDES BUTT PLATES AND SCREWS.
10.			TAPE WIRES IN AREA OF HANDLE BOSS TO PREVENT PINCHING AT ASSEMBLY.
11.			TAPE RTD WIRES IN AREA OF RTD HOLE EXIT TO PREVENT CHAFFING.

## DRAWING REVISION HISTORY LISTING

**PART NO:** 215504

**DESCRIPTION:** 2" Multi-Mc BUTT PLATE HEATER ASSEMBLY 200-240V, 50/60Hz, 1Ph

<u>APPR.</u>	<u>REV</u>	<u>DATE</u>	<u>BY</u>	<u>DESCRIPTION OF REVISION</u>
SWB	A	01/23/03	BWW	ADDED ITEM 33 MLN00219 WITH A QTY OF 8IN & ADDED NOTE 10 AND 11 FOR TAPING WIRES. ADDED LENGTH TOLERANCE TO LEAD CUT LENGTH DETAIL.
SWB	B	8/15/03	RLE	REVISED STRIP LENGTH ON RTD ONLY FROM 3/16 TO 3/8 TO MAKE COMPATIBLE WITH CONNECTOR USED ON REV. 'B' HEATER CONTROL PCB ASSEMBLY (T5030001) & UPDATED PICTURE OF HEATER CONTROL PCB ASSEMBLY.
SWB	C	10/27/03	BWW	CORRECTED PICTORIALY THE VIEW OF THE PCB BOARD ON SHT 4C AND 4D TO SHOW CURRENT DESIGN.