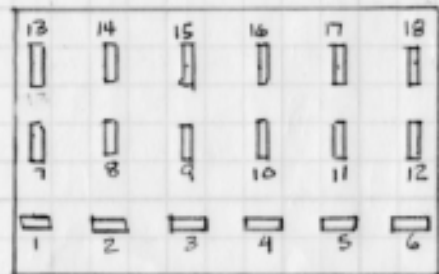


TOP VIEW OF
PP-8444

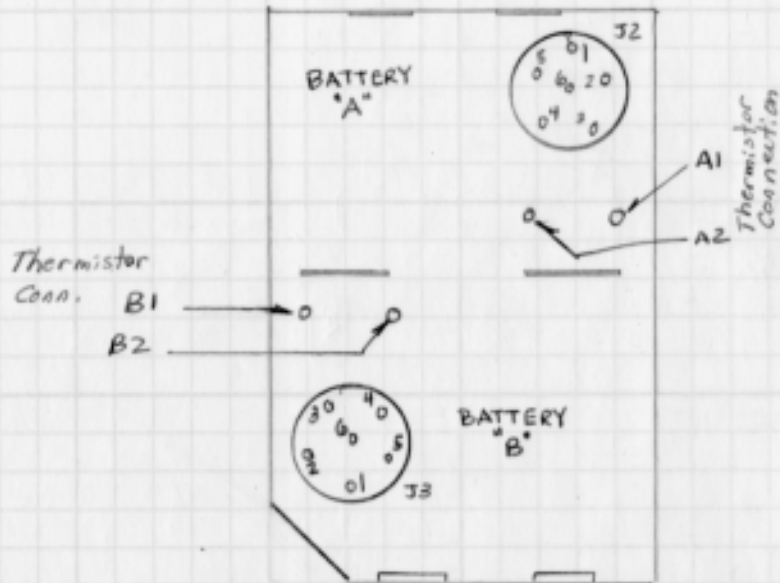


TOP VIEW OF CONNECTOR
ON PP-8444,
MATES WITH ADAPTER J1

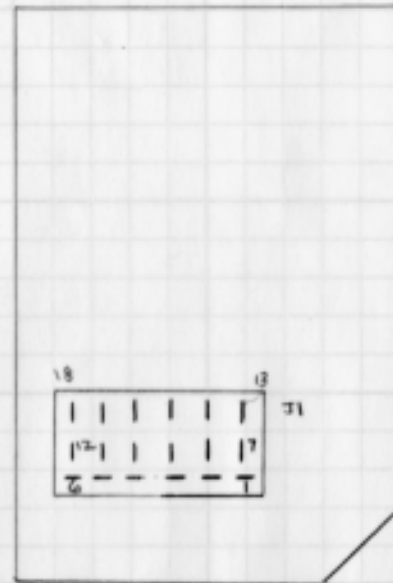
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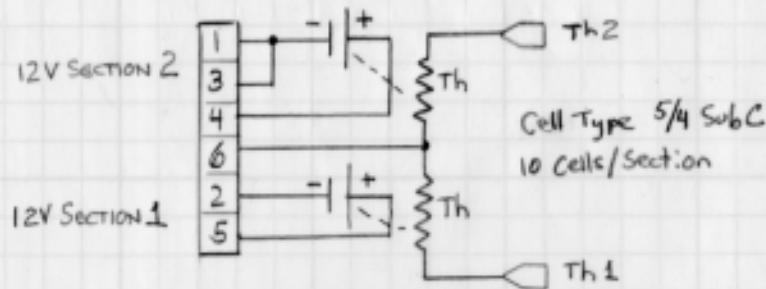
TOP VIEW OF ADAPTER



BOTTOM VIEW OF ADAPTER



BATTERY BB-390



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NOTES

- ① 12V SECTIONS ARE CHARGED ALTERNATELY. SECTION IS SELECTED BY K1, K2 OR K3, K4 RELAYS
- ② THERMISTOR VALUE LESS THAN $2.5K\Omega$ CAUSES CHANGE TO TRICKLE CHARGE (100mA)
- ③ INITIAL CHARGE CURRENT $\approx 4A$
- ④ WHEN CELLS ARE BELOW 1V/CELL CHARGING PAUSES PERIODICALLY AND PACK VOLTAGE IS MEASURED TO ENSURE IT IS RISING
- ⑤ CELL TEMPERATURE IS MEASURED BY VOLTAGE ACROSS BATTERY CONNECTOR PIN 6 * THERMISTOR.

RESISTANCE (Ω)	VOLTAGE (V)	
100K	4.51	
50K	4.16	
40K	4.0	
30K	3.75	
20K	3.34	
10K	2.51	
5K	1.68	
4K	1.44	
3K	1.16	
2.5K	1.0	← SWITCHES TO TRICKLE CHARGE
2K	0.85	

↓ INCREASING TEMPERATURE

- ⑥ THERMISTOR HAS NEGATIVE TEMPERATURE COEFFICIENT (NTC)

ROOM TEMP VALUE = ??

HOT TEMP VALUE = $2.5K\Omega$ ($55^{\circ}C$)

HOT TEMP = 50 to $60^{\circ}C$ TO PROTECT CELLS

- ⑦ R1, R2 ESTABLISH PACK VOLTAGE END OF CHARGE VOLTAGE. MODIFY FOR OTHER CELL QUANTITY

- ⑧ NOMENCLATURE:
ADAPTER, BATTERY TERMINAL
P/N J-6358/P
NSN 5940-01-427-9110
MFG P/N BTA-70290

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