



**MESSENGER 320 SCHEMATIC DIAGRAM  
(FOR UNITS WITH "B" MODEL DESIGNATOR  
ON SERIAL NUMBER STICKER)**

- NOTES
1. RESISTANCE VALUES GIVEN IN OHMS UNLESS OTHERWISE SPECIFIED.
  2. CAPACITANCE VALUES GIVEN IN MICROFARADS UNLESS OTHERWISE SPECIFIED.
  3. VOLTAGES MEASURED TO TEST POINT #2 ON PRINTED CIRCUIT BOARD SQUELCH AT MINIMUM (CCW), VOLUME AT MAXIMUM (CW), 50 OHM DUMMY LOAD CONNECTED TO J3, POWER SUPPLY AT 13.8VDC, ALL VOLTAGES MEASURED WITH HP410C.
  4. \* VALUES SELECTED AT FACTORY.
  5. VOLTAGE MEASUREMENTS MAY VARY ±10% FROM THOSE SHOWN.
  6. Δ THESE VOLTAGES FOR REFERENCE ONLY AND DO NOT NECESSARILY REPRESENT ACTUAL OPERATING POTENTIALS.
  7. Pk+Vpk 1c=12.2 X 0.410=5 WATTS
  8. [X] \* RELAY TERMINAL NUMBERS.

B- GROUND OPERATION

B1 GROUND OPERATION

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