



**MESSENGER 323 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 (CW), VOLUME AT MAXIMUM (CW), 50 OHM DUMMY LOAD CONNECTED TO J3, POWER SUPPLY AT 13.80V, 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. $P_{in} = V_{ce} I_c = 12.2 \times 0.410 = 5 \text{ WATTS}$