

MOTOROLA INC.

MODEL	CHASSIS
X16B	HS-797
X16G	HS-797
X16N	HS-797

CHASSIS REMOVAL.

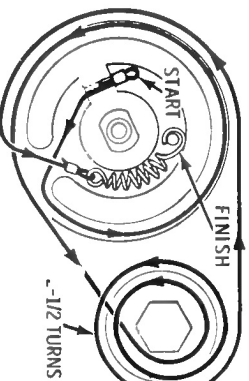
1. Rotate cabinet handle to its carrying position.
2. Loosen captive back panel mounting screw completely and remove back panel.
3. Remove cabinet back mounting screw and cabinet back.
4. Remove carrying handle and On-Off and Volume knob.
5. Remove 3 chassis mounting screws (in doing so, the cabinet back mounting bracket will also come out).
6. Remove chassis from cabinet (lift up right side of chassis first), to allow the tuning knob to clear its cutout on the cabinet).

BATTERY DRAIN

10-14 ma (max) with no input signal

NOTE: Due to the type of circuitry involved, there are two separate battery current paths, therefore, a DPST on-off switch is used. This necessitates two current measurements.

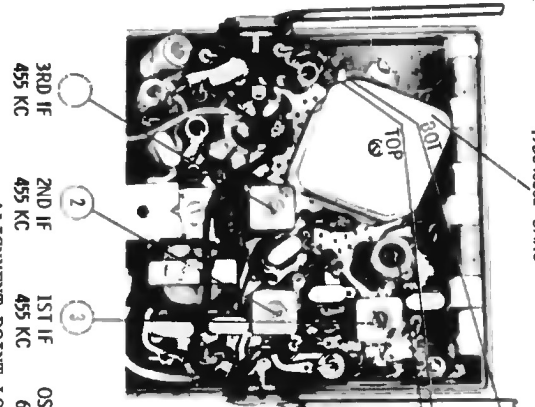
A very simple, convenient method of measuring battery drain can be made without unsoldering any connections. The only items necessary are a low resistance DC milliammeter and a jumper wire or two milliammeters. With the receiver turned off, place a milliammeter across the open terminals of one section of the switch; the receiver is automatically turned on at the minimum volume level. The meter should read 10-14 ma; then interchange jumper wire and milliammeter connections, the meter should read 10-14 ma. If two milliammeters are available, place one across each section of the switch, each meter should read 10-14 ma.



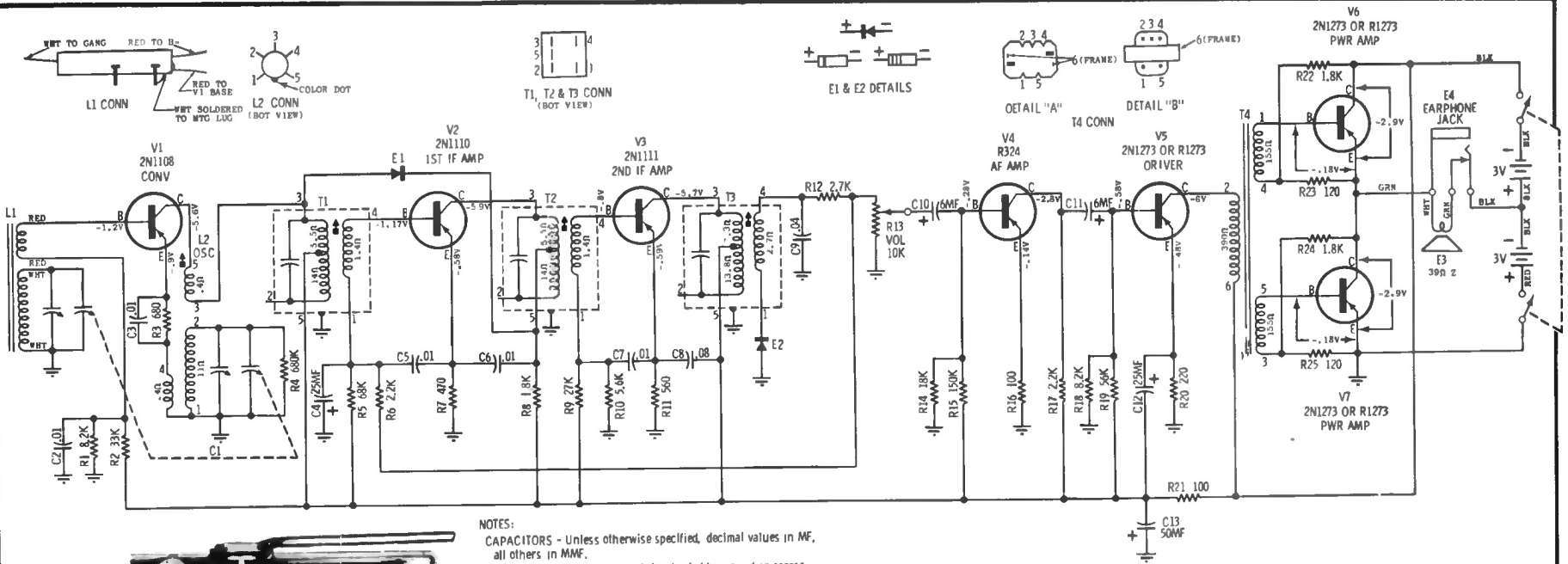
GANG SET TO HIGH END (1620 KC)

ALTERNATE GANG
108464282

108464282 GANG



ALIGNMENT POINT LOCATIONS



NOTES:

CAPACITORS - Unless otherwise specified, decimal values in MF, all others in MMF.

VOLTAGES - Measured from point indicated to ground or across points indicated with a VTVM, $\pm 10\%$ No signal in.

--- = ground

Zero Signal Current - approx. 12 MA (Min Vol)

TUNING RANGE - 535 KC to 1620 KC

IF - 455 KC

Resistances measured with transistors removed from associated circuitry.