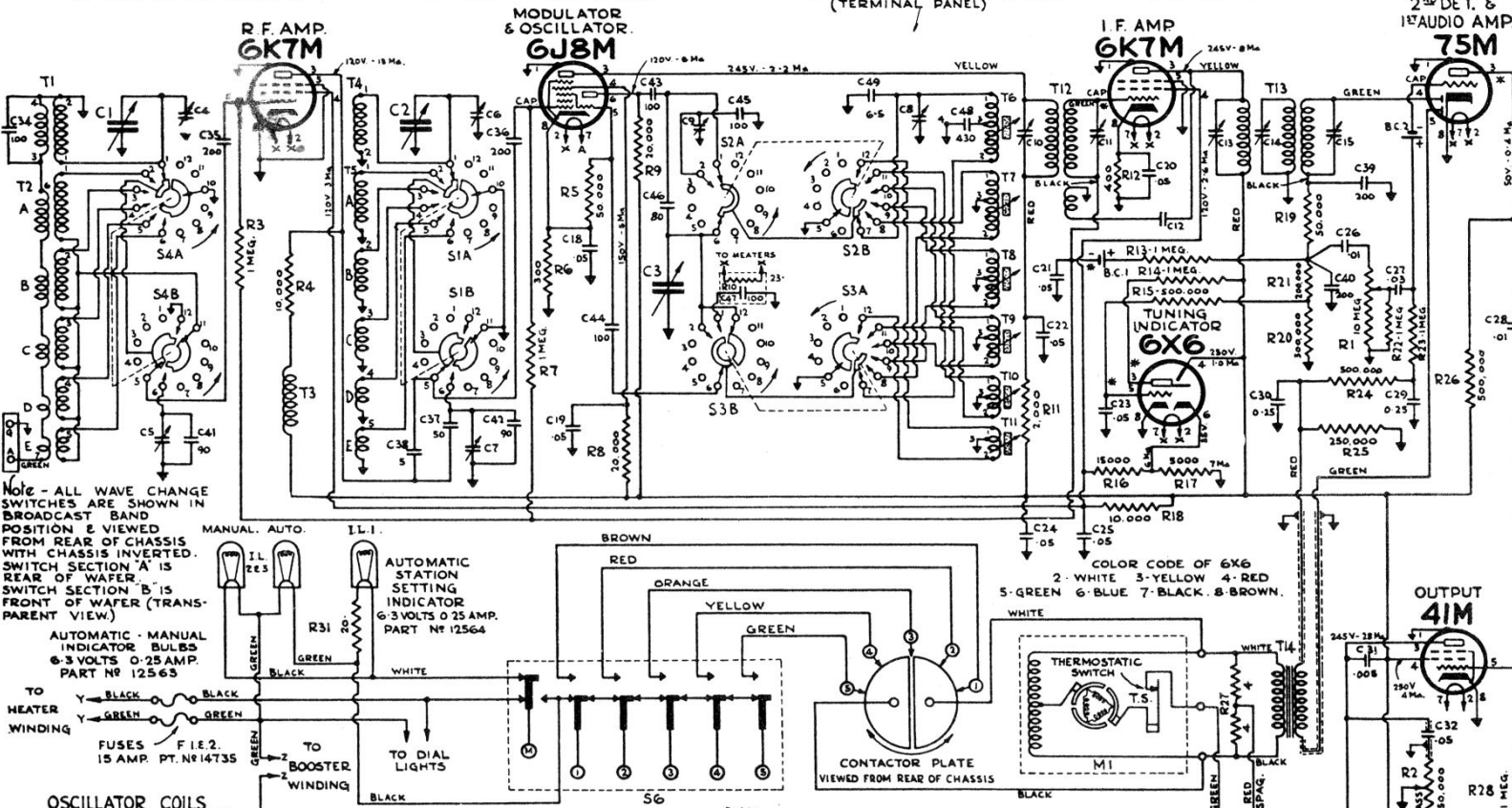


C4 - 1600 KC. ANT. ALIGNING
 C5 - ALL S.W. ANT. BANDS
 C6 - 1600 KC. INT. ALIGNING

C7 - ALL S.W. INTER. BANDS
 C8 - 1600 KC. OSC. ALIGNING
 C9 - ALL S.W. OSC. BANDS

C10 - 456 KC. 1st I.F. ALIGNING
 C11 - 456 KC. 1st I.F. ALIGNING
 C12 - 1st I.F. NEUTRALIZING COND. (TERMINAL PANEL)

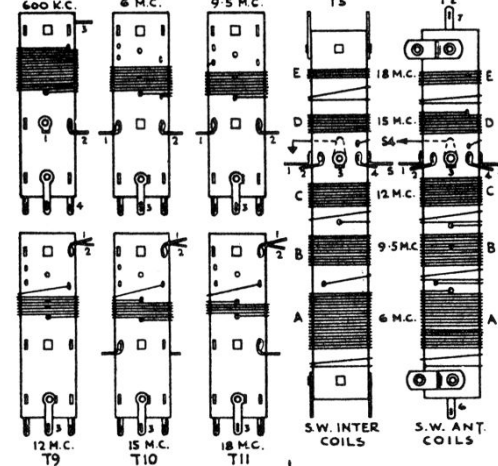
C13 - 456 KC. 2nd I.F. ALIGNING
 C14 - 456 KC. 2nd I.F. ALIGNING
 C15 - 456 KC. 2nd I.F. ALIGNING



Note - ALL WAVE CHANGE SWITCHES ARE SHOWN IN BROADCAST BAND POSITION & VIEWED FROM REAR OF CHASSIS WITH CHASSIS INVERTED. SWITCH SECTION 'A' IS REAR OF WAFER. SWITCH SECTION 'B' IS FRONT OF WAFER (TRANSPARENT VIEW).

AUTOMATIC - MANUAL INDICATOR BULBS 6-3 VOLTS 0-25 AMP. PART NO 12563

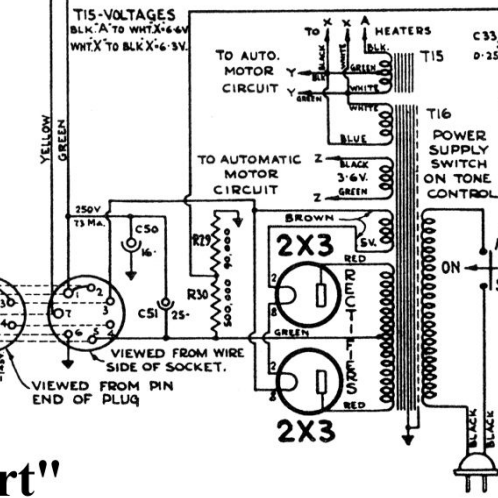
OSCILLATOR COILS



AUTOMATIC SWITCH ARRANGEMENT S6 VIEWED FROM FRONT OF CHASSIS WITH CHASSIS IN NORMAL POSITION. * VALUES OF RESISTANCE IN CIRCUIT DO NOT PERMIT OF ACCURATE VOLTAGE CHECK. USE PLATE CURRENT AS INDICATION OF PRESENCE OF CORRECT GRID AND PLATE VOLTAGE. VOLTAGE READINGS ARE BETWEEN POINTS SHOWN AND CHASSIS (GROUND) UNLESS OTHERWISE INDICATED.

- OBSERVED LINE DRAIN -
 117 VOLTS - 25 CYCLE - 80 WATTS - 0.75 AMP.
 117 " - 60 " - 78 " - 0.7 "

VOICE COIL D.C. RESISTANCE 1-8 OHMS.
 FIELD COIL D.C. RESISTANCE 2000 OHMS.



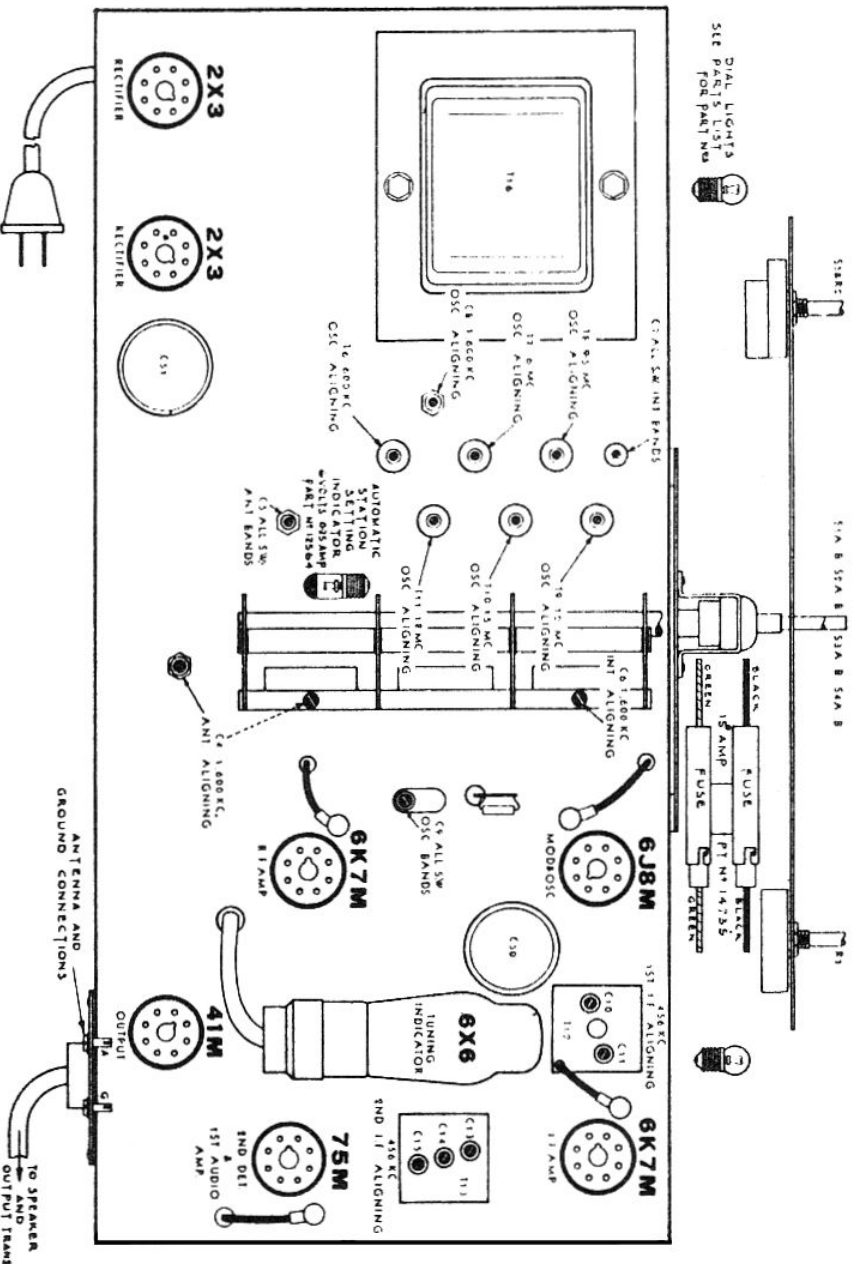
SPECIAL CONDENSERS & RESISTOR TYPES

De Forest "Herbert"

See Rogers 13-95, 13-96 for Spread-Band Alignment and Automatic Tuning Adjustments

De Forest "Herbert"

See Rogers 13-95, 13-96 for Spread-Band Alignment and Automatic Tuning Adjust



Broadcast Band Alignment

Operation	Connect	Set Generator Tuning	Set Receiver Tuning (x)	Dummy Antenna	Volume Control	Adjust	Remarks
1	To Grid Cap of 6J8M	456 kc/s.	700-800 kc/s.	.01 mfd.	Max.	C18, C17, C16, C15, C14, C13, C12, C11 and C10 (+)	To Peak I.F.
2	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C8	To Peak Osc.
3	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C6	To Peak I.S.
4	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C4	To Peak Ant.
5	To Antenna	600 kc/s.	600 kc/s.	.0002 mfd.	Max.	T6*	To Track Osc.
6	To Antenna	1600 kc/s.	1600 kc/s.	.0002 mfd.	Max.	C8, C6, C4	Recheck Adj.

NOTE:—Always use an output meter or other visual indicator when making alignment. Use only enough generator output to give readable value on output indicator. Resistors and condensers used as dummy antennae must be non-inductive types.

(+) C18, C17, C16 and C12 are present in I1 tube chassis only.

*Rock tuning control during this adjustment. Always ground generator and receiver (chassis) connection.

(x) For Automatic models, the push-button must be in the "Manual" position at all times during primary alignment. The tuning indicator will assist in indicating maximum alignment.