

R.F. AMP.  
6SG7

CONVERTER  
6SB7Y

I.F. AMP.  
6SG7

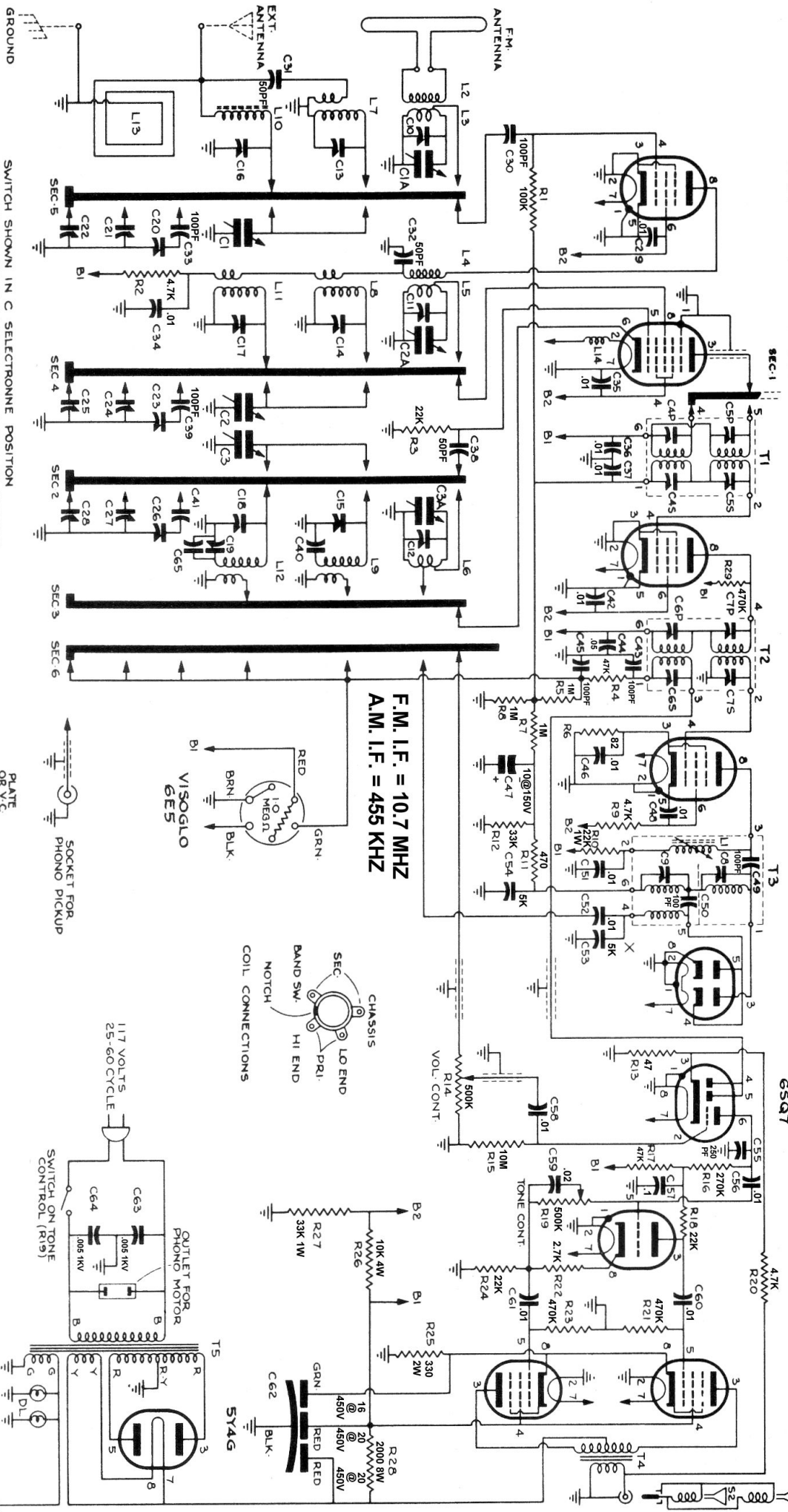
I.F. AMP.  
6SG7

F.M. DET.  
6H6

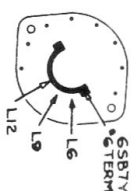
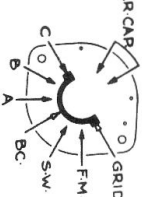
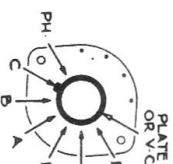
A.M. DET.  
1ST AUDIO  
6SQ7

PHASE INV.  
6J5

P.P. PWR. AMP.  
6V6GT/G



# Sparton 11548AB AM/FM Receiver



SECTIONS 1 & 6  
26ART

SECTIONS 2, 4, 5  
26ARB

SECTION 3  
26AR9

# Sparton 11548AB AM/FM Receiver Alignment

## ELECTRICAL ALIGNMENT (in following order)

1. **I.F.—B/C A.M.** 455KCS Sig. Gen. connected to center stator of Variable Capacitor. Turn on radio and allow a 15 minute warm up.

1st — Adjust upper trimmers on side of #2 I.F. Transformer for maximum signal indicated on Visoglo.

2nd — Adjust upper trimmers on side of #1 I.F. Transformer.

2. **I.F. F-M—10.7MCS.** Standard signal generator no modulation.

1st — Connect Sig. Gen. through .01 MFD capacitor to grid of 2nd I.F. stage. Connect 0-5 volt D.C. voltmeter (20K ohm/volt) between chassis and secondary terminal of #3 I.F. transformer at junction of .01 mica and paper capacitors (X on schematic).

2nd — Set Sig. Gen. to 11MCS and adjust left hand trimmer on #3 I.F. Transformer for maximum voltage using enough signal input to give about 1 volt on meter (0-5 scale).

3rd — Set Sig. Gen. to 10.4MCS and adjust right hand trimmer on #3 I.F.T. for minimum voltage.

4th — Set Sig. Gen. to 10.7MCS and adjust tuning slug on top of #3 I.F. Transformer for maximum voltage. The ratio detector circuit is now properly adjusted.

5th — Connect Sig. Gen. to centre stator of Var. Capacitor with Band Switch in F-M position and set to 10.7MCS, adjust lower trimmers on side of #2 and #1 I.F. Transformers for maximum voltage output (1 to 2 volts on meter). Remove meter. F-M I.F. is now aligned.

Repeat section 1 on A.M.-I.F. to correct any small changes due to aligning F-M section.

3. **R.F. B/C** 1500 and 600KCS Band Switch on B/C. Connect Sig. Gen. to Ant. and Gnd. terminals, lower strip on rear of chassis, set dial at 1500KCS, peak B/C Oscillator, R.F., and Ant. trimmers in top of chassis as shown on white label. Dial and Sig. Gen. at 600KCS, adjust B/C Padder for Max. signal. Retrim at 1500KCS on R.F. and Ant. trimmers.

4. **R.F. Short Wave** Band Switch on S/W. Sig. Gen. connected as in 3 above, dial at 15MCS peak S/W osc. on lowest frequency and peak R.F. and Ant. trimmers.

5. **R.F. F-M** Band Switch on F-M. Connect Sig. Gen. to upper terminals on rear of chassis, dial at 105MCS adjust front trimmer (osc.) on top of Variable Capacitor, then centre trimmer, (R.F.) and finally rear trimmer (Ant.). If A.M. generator is used, no modulation is required and Visoglo may be used as a peaking indicator, with sufficient signal to show about 1/8 inch deflection.

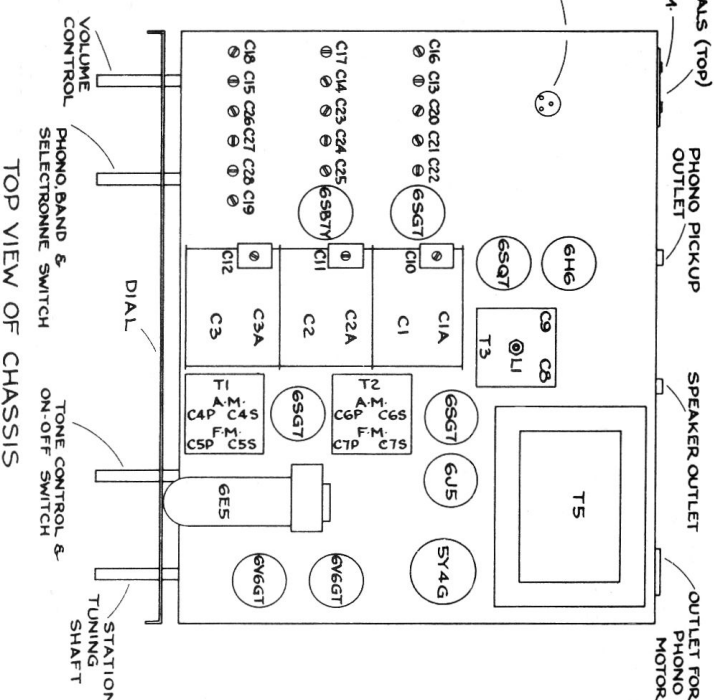
## Service Notes:

In replacing any capacitors or resistors it is imperative that the same value and type be used and installed in the same manner and exact location.

All alignment is done with baseplate on chassis.

F-M ANT. TERMINALS (TOP)  
B/C & S/W ANT. TERM.  
(LOWER STRIP)

LOOP SOCKET



DIAL CORD ARRANGEMENT  
(VARIABLE CAPACITOR CLOSED)

## Sparton 11548AB Chassis Layout Dial Cord Stringing