

Printed circuit panel complete with tuning and aerial coil assembly.

Printed circuit panel for valve holder.

Valveholder

TRANSISTORS

Vt. 1 2S. 322 (Silicon) or 302  
Vt. 2 2G. Lilac  
Vt. 3 2G. Green or NKT. 261

RESISTORS

R. 1 2.2 M. ohm  
R. 2 5 K. ohm  
R. 3 27 K. ohm  
R. 4 27 K. ohm  
R. 5 150 ohm  
R. 6 150 ohm

SILVER MICA CAPACITORS

C. 1 50 pf  
C. 2 5 pf  
C. 3 .01 mfd  
C. 4 .01 mfd

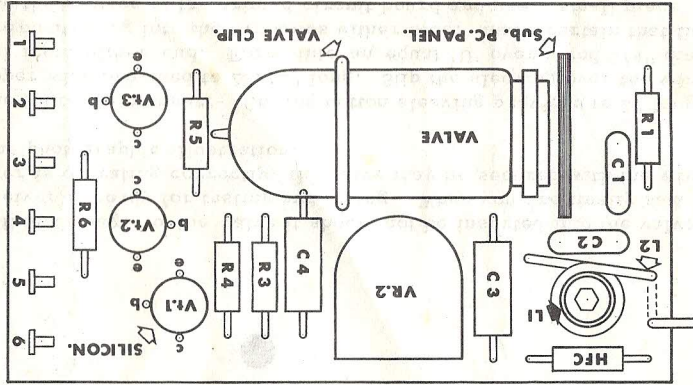
MOULDED/FOIL CAPACITORS

H. F. C. Standard miniature  
Sleeved Brown P. V. C.

SOUNDERS

Solder tags, coloured flexible wire, tinned copper wire, cotton sleeving and solder.

Actual size layout



It is assumed that all components are prepared as previously instructed. It is understood, all the component wires are to be soldered in place after insertion in the appropriate holes in the printed circuit panel. The surplus wires are cut off after soldering. In consequence, unless for a specified reason, these instructions will not be repeated in the step-by-step assembly procedure. As the marking of the printed circuit panel will be obscured when each component is inserted in its correct position a further check may be made by reference to the full size illustration.

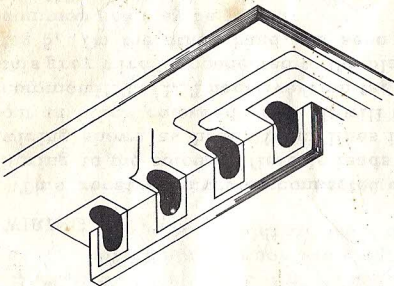
Step-by-step instructions

1. Insert the sub-printed circuit panel into the slot provided in the main printed circuit panel. Rest or lightly hold the main P. C. panel in a vice at an angle of 45°, cut panel. Insert the six solder tags into the holes marked 1-6. Make certain they are positioned the correct way round as shown in the illustration. These tags must be soldered into position.



Transistors viewed from underneath

Connection of the two P.C. panels



- Insert the valve holder into the seven appropriate holes of the sub-printed circuit panel and solder all seven positions.
- Insert the six solder tags into the holes marked 1-6. Make certain they are positioned the correct way round as shown in the illustration. These tags must be soldered into position.
- Identify resistor R. 1 by reference to the part lists and insert either way round flush to the printed circuit panel.
- Repeat for the remaining four resistors in a similar manner.
- Identify VR. 2 (variable resistor) and insert into the three appropriate holes. Solder all three positions.
- Insert the H. F. C. either way round flush to the surface of the printed circuit panel. Identify the capacitor C. 1 and insert either way round. This component should be soldered in place so that the top is about the same height as the coil former.
- Repeat for capacitor C. 2 in a similar manner.
- Identify capacitor C. 3 and insert either way round flush to the printed circuit panel.
- Repeat for C. 5 in a similar manner.
- Identify transistor Vt. 1, noting that this is the Silicon device reference 2S. 322. It is important that this particular transistor is used in this position only. Insert the transistor into the appropriate holes marked Vt. 1 e-b-c marked on the printed circuit board, referring to the illustration to ensure that the transistor leads are inserted into the correct holes.
- Repeat for transistors Vt. 2 and Vt. 3 in a similar manner.
- NOTE: A further check to ensure that all the three transistors are inserted correctly is to view the transistors from underneath:- the emitter is at 9 o'clock, the base is at 12 o'clock and the collector is at 3 o'clock.