

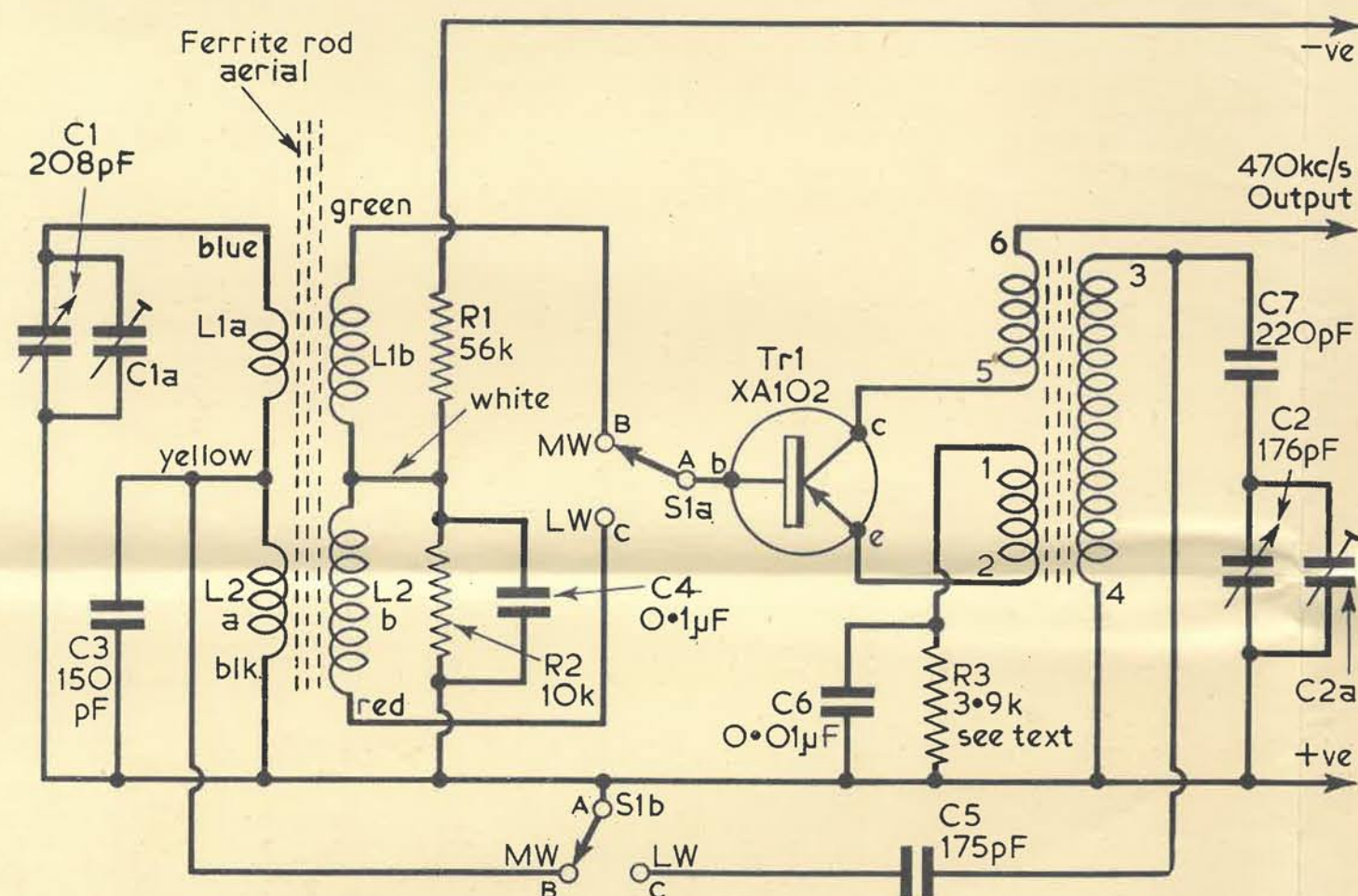


Fig. 1 - CIRCUIT OF THE OSCILLATOR STAGE

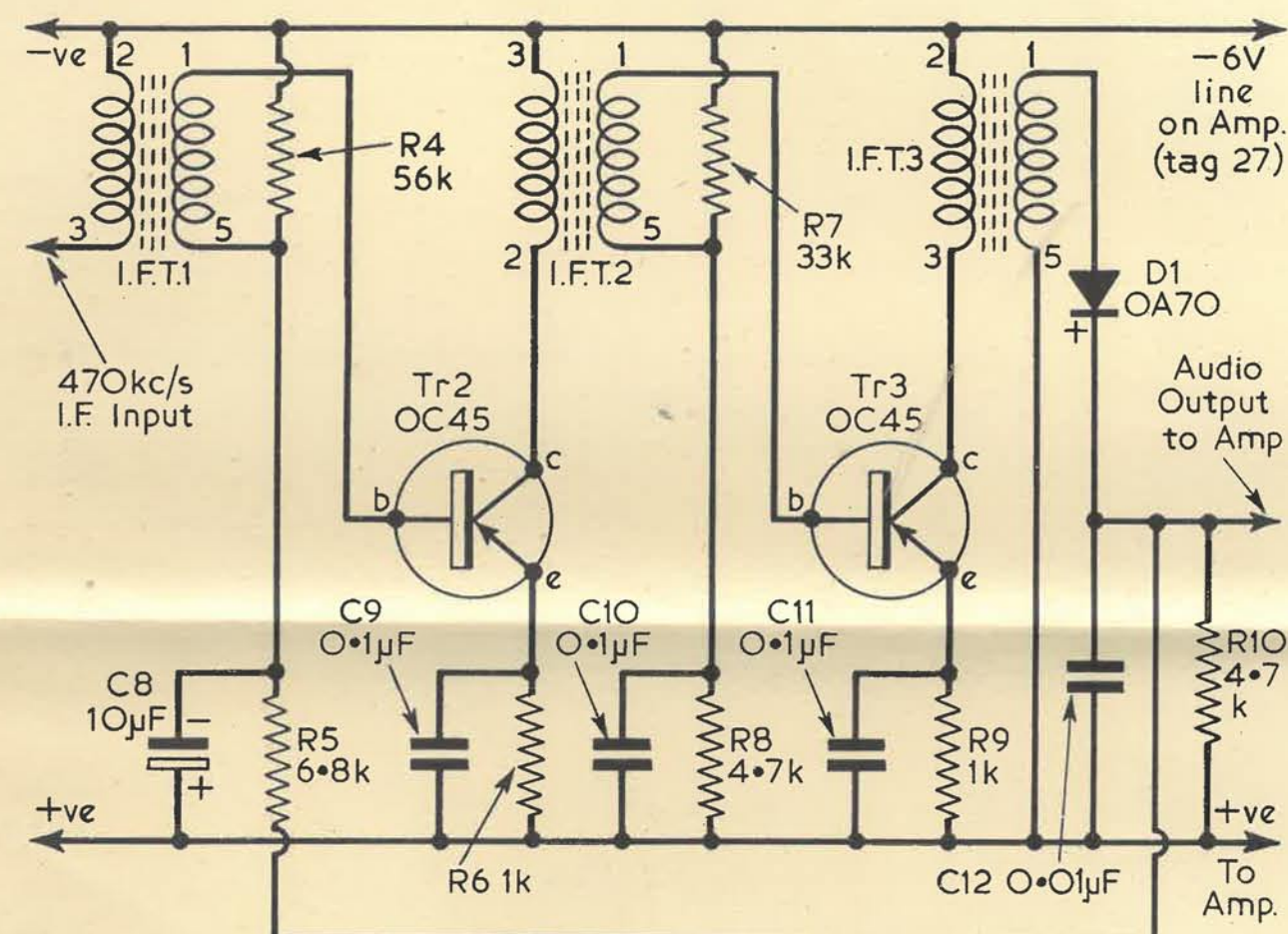


Fig. 2 - CIRCUIT OF THE I.F. AMPLIFIER

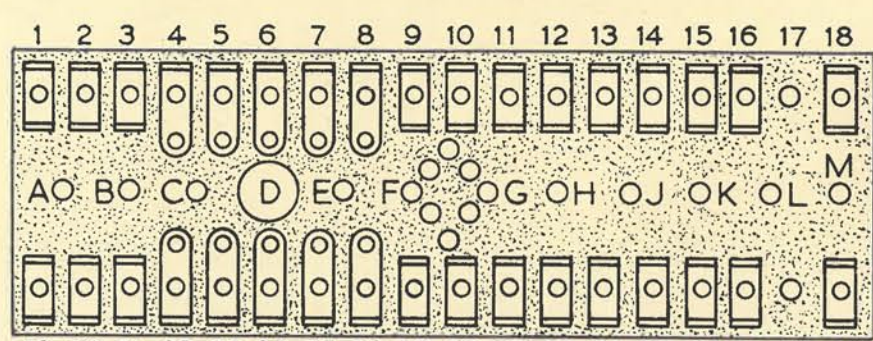


Fig. 3 - LAYOUT OF OSC. GROUPBOARD

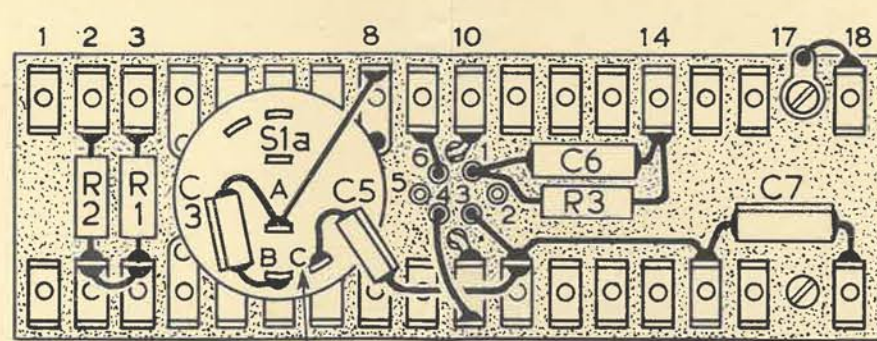


Fig. 4 - WIRING OF RESISTORS AND CAPACITORS

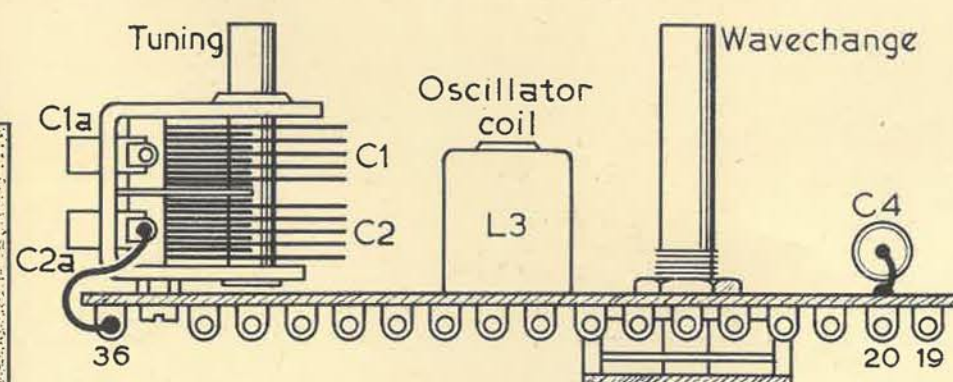


Fig. 7 - WIRING C2 INTO CIRCUIT

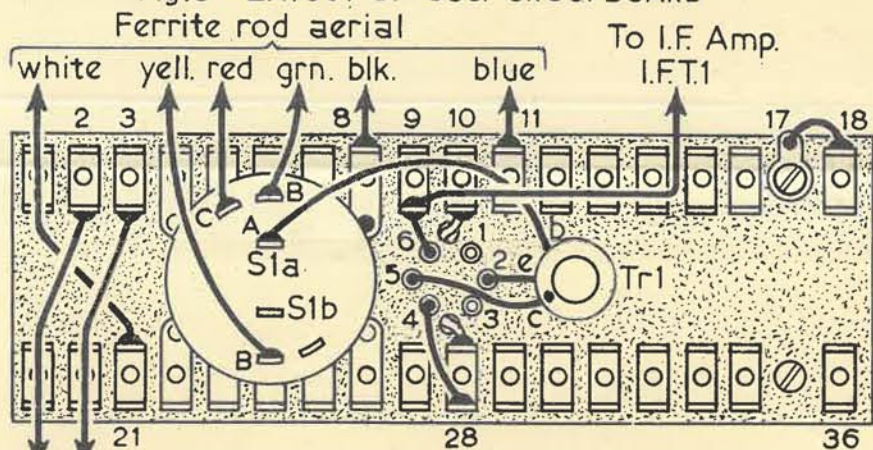


Fig. 5 - AERIAL AND TRANSISTOR WIRING

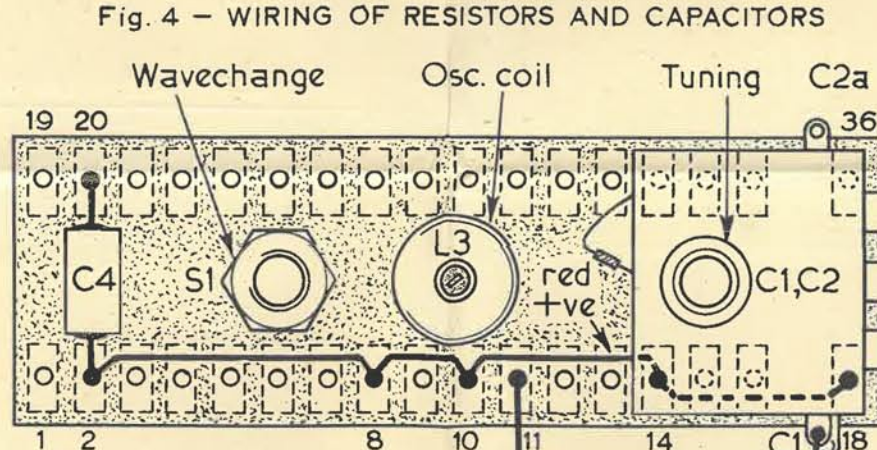


Fig. 6 - WIRING THE CONNECTING LINKS

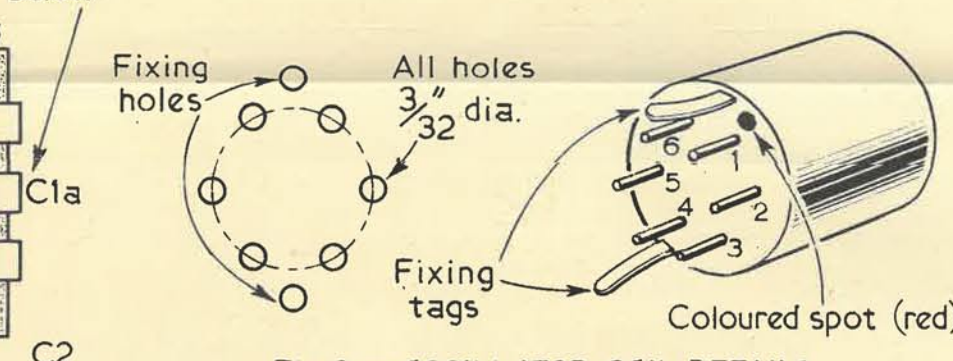


Fig. 8 - OSCILLATOR COIL DETAILS

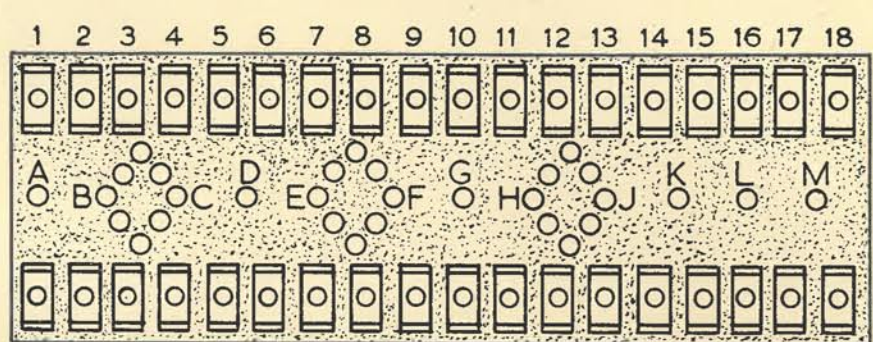


Fig. 9 - LAYOUT OF I.F. AMP GROUPBOARD

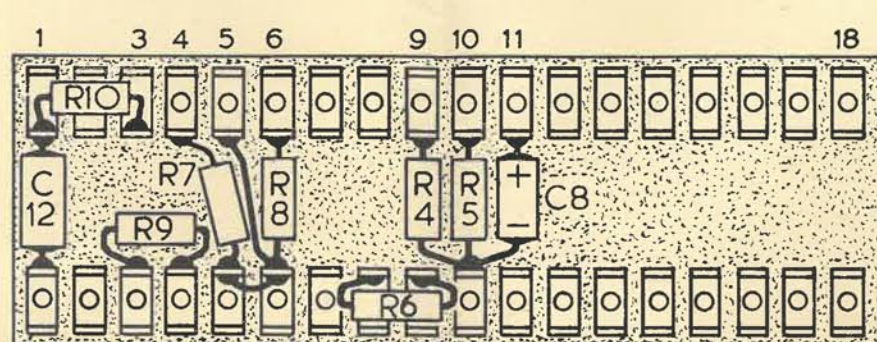


Fig. 10 - WIRING OF RESISTORS AND CAPACITORS

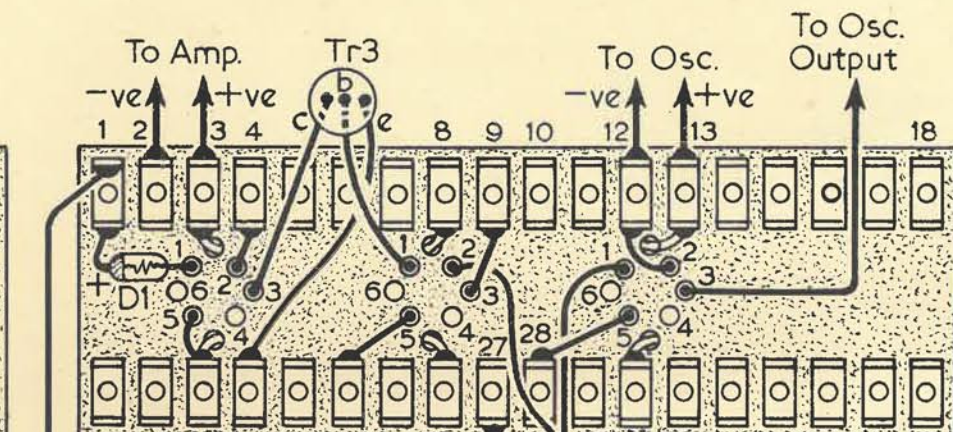


Fig. 11 - WIRING THE TRANSISTORS AND I.F. TRANSFORMERS

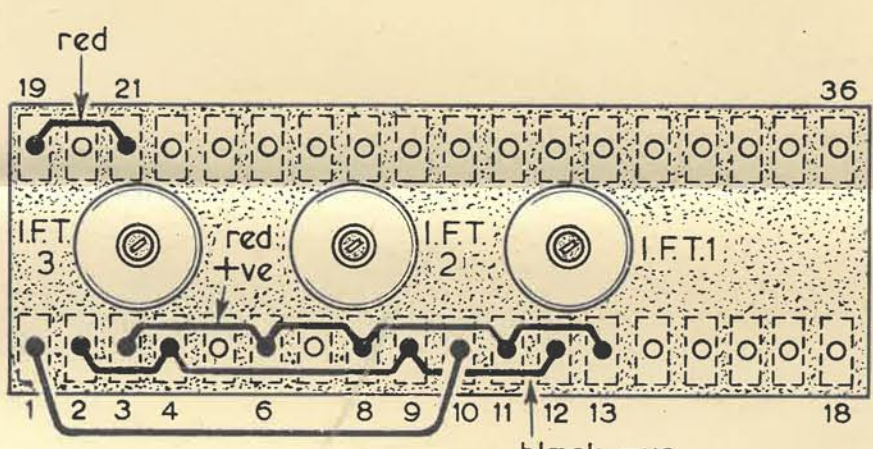


Fig. 12 - WIRING THE CONNECTING LINKS

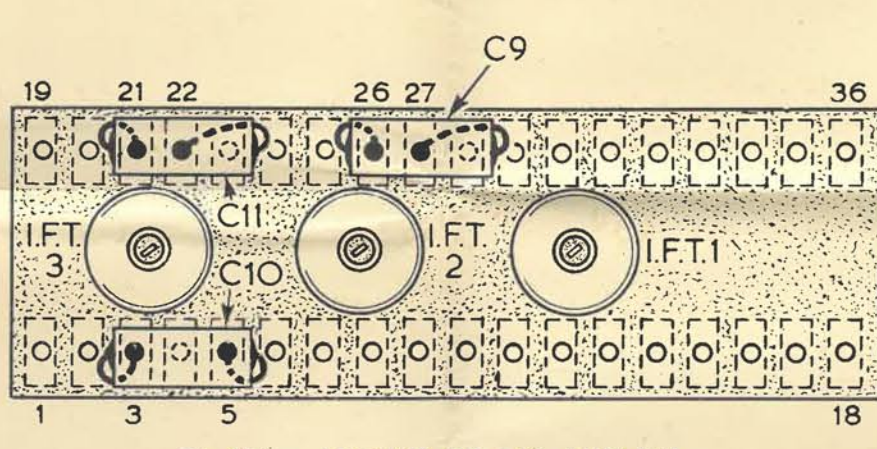


Fig. 13 - ADDING C9, C10 AND C11

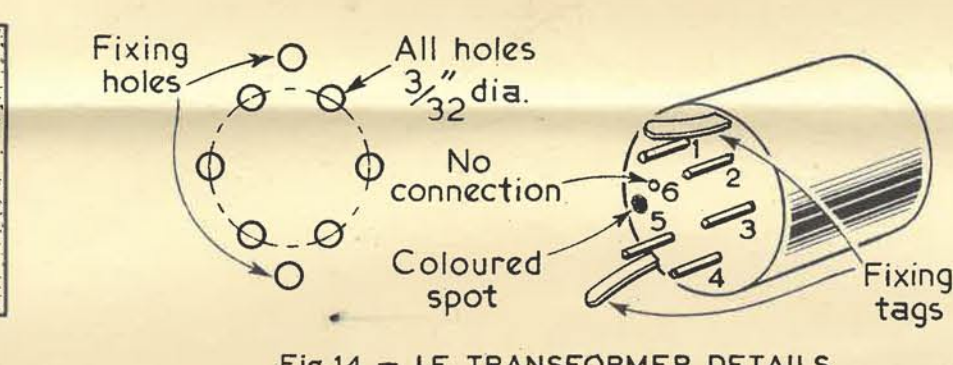


Fig. 14 - I.F. TRANSFORMER DETAILS

Figs. 3 to 8

LIST OF PARTS: R.F. OSCILLATOR

Resistors (All 1/2W and 10% tolerance):
R1.....56k
R2.....10k
R3.....3.9k (see text)

Capacitors:
C1,C2.....208pF 176pF Ganged tuning capacitor (Jackson Bros.)
C3.....150pF 1% mica
C4.....0.01μF 250VW miniature tubular
C5.....175pF 1% mica
C6.....0.01μF 250VW miniature tubular
C7.....220pF 1% mica

Transistor:
Tr1.....XA102

Coils:
L1a,L1b,L2a,L2b Ferrite rod aerial type RA2W (Weymouth Radio Mfg. Co. Ltd.)
L3 Oscillator coil type P50/1AC (Weymouth Radio Mfg. Co. Ltd.)

Wavechange switch:
S1a,S1b 2-pole, 2-way, rotary type

Miscellaneous:
Miniature 18-way groupboard 4 1/2" x 1 1/2"
Fine stranded copper wire (various colours)
Solder etc.

Resistors (All 1/2W and 10% tolerance):
R4.....56k
R5.....6.8k
R6.....1k
R7.....33k
R8.....4.7k
R9.....1k
R10.....4.7k

Capacitors:
C8.....10μF 6 or 12VW electrolytic (plastic covered)
C9.....0.01μF 250VW
C10.....0.01μF 250VW
C11.....0.01μF 250VW
C12.....0.01μF 250VW } miniature tubular

Figs. 9 to 14

LIST OF PARTS: I.F. AMPLIFIER

Transistors:
Tr2.....OC45 (Mullard)
Tr3.....OC45 (Mullard)

Diode:
D1.....OA70 (Mullard)

I.F. Transformers:
I.F.T.1, I.F.T.2.....P50/2CC (Weymouth Radio Mfg. Co. Ltd.)
I.F.T.3.....P50/3CC (Weymouth Radio Mfg. Co. Ltd.)

Miscellaneous:
Miniature 18-way groupboard 4 1/2" x 1 1/2"
Fine stranded copper wire (various colours)
Solder etc.