

Trim as indicated in the following table, strictly observing the order given.

| 1 | Waverange switch in position | M.W. | S.W.3 | S.W.2b | S.W.2a | S.W.2c | S.W.2d |
|---|--|---|---|---|--------------------------|---------------------------|---------------------------|
| 2 | Pointer on trimming point by means of tuning knob | 2 | 3 | 6 | 7 | 5 | 4 |
| 3 | Apply modulated signal of... to aerial socket via dummy aerial | 548 kc/s | 1.72 Mc/s | 11.6 Mc/s | 17.76 Mc/s | 9.08 Mc/s | 5.13 Mc/s |
| 4 | Trim for maximum output voltage | S38 S24 S16 | S36 S21 S14 | S27 S18 S 8 | S26 S17 S 6 | S28 S19 S10 | S34 S20 S12 |
| 5 | Pointer on trimming point... by means of tuning knob | 1 | 1 | 1 | - | - | - |
| 6 | Apply modulated signal of... to aerial socket via dummy aerial | 1630 kc/s | 5.1 Mc/s | 18 Mc/s | - | - | - |
| 7 | Trim for maximum output voltage | C43 C24 C13 | C39 C23 C12 | C33 C19 C 8 | - | - | - |
| 8 | Repeat the points..... | 2-7 | 2-7 | 2-7 | - | - | - |
| 9 | Seal the trimmers and cores | S38, C43, S24, C24, S16, C13 | S36, C39, S21, C23, S14, C12 | S27, C33, S18, C19, S8, C8 | S26 S17 S6 | S28 S19 S10 | S34 S20 S12 |

* Place vernier tuning in the middle position of the dial.

REPAIRS AND REPLACEMENTS

Uncasing

1. Remove rear panel and bottom plate.
2. Remove knobs.
3. Unscrew loudspeaker baffle (4 screws).
4. Unscrew the four bottom screws.
5. Carefully draw the chassis out of the cabinet.

Pointerdrive

The paths and lengths of the cables are indicated in fig.4 for the position where the variable capacitor is set to maximum. To replace the driving cables, proceed as follows: (see fig.4).

1. Uncase the receiver.
2. Remove cord A from its pullies.
3. Remove the baffle.
4. Put cable B with nipple b in slit B1 on the cable drum and turn $+1$ turn to the left and clip temporarily with a crocodile clip on the friction wheel.
5. Put cable C with nipple C in slit C1 on the cable drum and turn $+2\frac{1}{2}$ turns to the right and clip temporarily with a crocodile clip on the friction wheel.
6. Put the baffle back in place.

7. Remove crocodile clip from cable B and put the cable on its pullies.
8. Remove crocodile clip from cable C and put the cable on its pullies.
9. Hook the two cable ends to the tension spring V.

Repair of the vernier control

For the repair of this part unscrew the bracket from the chassis after which it will be easy to remove both the driving spindle and the cores.

Keep always free of grease the rubber driving rolls and core rods.

After repair the cores must be moved to and fro once or twice against their stop points, after which they come automatically in the right position.

CURRENTS AND VOLTAGES.

| | | | | | | | |
|----|-------|------------------|-------|------------------|-------|------|------------------------|
| B1 | UF41 | Pentode | 100 | 58 | - | 5 | 1.2 |
| B2 | UCH42 | Hexode | 154 | 58 | - | 2 | 0.7 |
| | | Triode | 87 | - | - | 7 | - |
| B3 | UBF80 | Pentode | 154 | 58 | - | 3.45 | 1.2 |
| B4 | UAF42 | Pentode | 30 | 14 | 0.34 | 0.33 | 0.13 |
| B5 | UL41 | Pentode | 170 | 154 | 8 | 44.5 | 8.05 |
| B7 | UM4 | Tuning indicator | 154 | d1= 35 d2= 18 | - | 1.3 | d1= 0.121 d2= 0.136 |
| | | | Volts | Volts | Volts | mA | mA |

VC1=183V

VC2=154V

Iprim 225 mA (200 V a.c.)

These measurements have been taken with the Universal Measuring Instrument GM4257 with the receiver connected to 220 V. a.c. and no signal on the aerial socket.

LIST OF PARTS AND TOOLS

When ordering always quote:

1. Codenumber
2. Description
3. Typenumber of the set.

| Description | Codenumber |
|--|----------------------------------|
| Cabinet | A3 370 41.0 |
| Rubber grommet (fixing chassis) 4x | A3 327 14.0 |
| Rear panel | A3 698 41.0 |
| Knob (colour U.C.) 4x | A3 371 09.0 |
| Lever (colour M.C.) 2x | P4 075 62.0 |
| Knob (colour M.C.) for vernier tuning | 23 610 54.1 |
| Dial | A3 226 71.0 |
| Voltage adaptor knob | A3 229 08.0 |
| Connection plate voltage adaptor+fuseholder | A3 229 09.0 |
| Valve holder UM4 | B1 505 26.1 |
| Valve holder UBF80 | R1 662 11.0 |
| Spring for fixing coils (9x) | A3 652 58.2 |
| Switch(bass switch and radio-P.U.switch) | A3 402 44.0 |
| Rubber grommet for fixing baffle | A3 327 14.0 |
| Disque for waverange indication | A3 404 08.0 |
| Dial vernier tuning | A3 404 09.2 |
| Plate for tone control indication | A3 390 04.0 |
| Bottom screws | P4 380 34.0 |
| Connecting plate (aerial-earth) | A3 376 47.0 |
| | |
| Tension spring for fixing tuning indicator | A3 646 50.0 |
| Variable capacitor | see capacitors |
| Tension spring in drum variable capacitor | A3 646 09.3 |
| Rubber ring for vernier tuning | A3 563 32.0 |
| Ornamental ring tuning indicator (colour U.C.) | P4 380 09/17 |
| Cable drum (colour AA) large | 23 644 43.0 |
| Metal disk for fixing cable drum | A3 320 80.0 |
| Cable drum (small) | A3 324 94.0 |
| Friction wheel | A3 574 20.4 |
| Tension spring in driving cable | A3 646 14.0 |
| Gear wheel | A3 330 43.0 |
| Tension spring for waverange switch | A3 208 03.0 |
| Spring for vernier tuning | A3 649 81.0 |
| Cable pulley | 23 681 81.1 |
| Large cable pulley | P4 095 05/C1 |
| <u>TOOLS</u> | |
| Service oscillator | GM2882 or GM2883 or GM2884 |
| Universal measuring instrument | GM4256 or GM4247 |
| Vaseline compound | X 009 47.0 |