CABINET DIMENSIONS

Height 10½″. Width 15½″. Depth 8″.

REMOVING CHASSIS

Remove backplate and baseplate.
Remove pilot lamps in their holders.
Remove knobs.
Remove chassis fixing bolts.
Guiding pointer through the slot in the cabinet, withdraw the chassis.

CAPACITOR DRIVE REPLACEMENT (Fig. 2)

Make up the cord to the dimensions indicated on Fig. 2. Turn gang to minimum. Set the spring on the pointer cable to the right-hand end of its travel (viewed from the front). The slot in the small diameter section of the moulded drum will then be at 12 o'clock. Insert the collar on the cord into the slot in the drum, leading with the longer end of the cord.

Take the shorter end and pass it ½ a turn clockwise round the drum and down to the drive spindle. Wind 2¾ turns anti-clockwise round the spindle, winding from front to back on the spindle. Lead the cord up through the right-hand cable guide, and place the cable sheath in position. Lead the cord ¾ turn anti-clockwise round the capacitor drum, hook it on to the spring and hook the spring on to its anchorage point.

Now take the longer end of the cord, and wind on 2¼ turns anti-clockwise, winding from front to back of the drum. Lead the cord down to the tuning spindle, and wind on 2½ turns clockwise, winding from back to front on the spindle. Lead the cord up through the left-hand guide, and fit the cable sheath in position. Hook the end of the cord on to the spring, and then pass the loop of the cord over the pulley.

The last operation is made easier if at the same time the spring is extended.

POINTER DRIVE

Make up the cables as indicated in Fig. 1.
Turn gang to maximum capacitance.
Insert the end of the shorter cable into the top slot in the moulded drum. Wind on one turn anti-clockwise, hook the end of the cable on to the spring, and hook the spring to any convenient anchorage point.
Insert the end of the longer cable into the slot at 4 o'clock on the drum. Wind on two turns clockwise, pass the end of the cable round the pulley, and hook the spring on to it.
Fit the pointer by winding two turns of cable round each half of the base of it. For pointer setting, see "Trimming," Section C.

TRIMMING

(a) I.F. Circuits

Switch to M.W. Radio, turn volume control to maximum, and gang capacitor to minimum. Unscrew the I.F. cores, and apply a signal of 470 Kc/s to glV1 via a capacitor of 47,000 pF. Trim for maximum output in the following order:—

S21/S22/C26 (Bottom core).
S19/S20/C25 Top core).
S15/S16/C21 (Bottom core).
S17/S18/C22 (Top core).

(b) I.F. Filter

Apply a signal of the I.F. resonant frequency to the aerial socket via a dummy aerial. Trim S26 to the first minimum from the screwed out core position.

(c) R.F. Circuits and Pointer Setting

Switch to "radio." Turn volume control to maximum. Trim in the order M.W., L.W. and S.W. The H.F. trimming point is with the gang at minimum capacitance, and in this position, the pointer should line up with the "o" position on the logging scale. Trim in accordance with the following table:—

Waverange	Pointer or gang setting	Trim at	Trim
M.W.	550 m.	545.5 Kc/s	S14 S8*
„	Minimum	1630 Kc/s	C16 C9*
L.W.	1900 m.	157.8 Kc/s	S9†
S.W.	50 m.	6.0 Mc/s	S12 S6*
„	Minimum	20.1 Mc/s	C15*

*Repeat if necessary.

†Swing generator for maximum output, then trim S9.