

PHILCO MODEL 888

SPECIFICATIONS

GENERAL DESCRIPTION:

This model is a powerful 11 tube super Het. particularly suitable for stable long distance reception, and excellent reproduction on local stations. The permeability tuned bandspread system makes shortwave station selection very simple and wide band coverage is obtained over all the main shortwave bands.

Because of the large number of tuned circuits involved, special care should be taken to follow the alignment data given in this bulletin.

TUNING RANGES:

Broadcast	.....	540 to 1700 KC/s
Shortwave 1	.....	1.5 " 2.6 MC/s
2	.....	2.3 " 7.3 MC/s
3	.....	7.2 " 22 MC/s

Band Spread

31M	.....	9.4 to 9.9 MC/s
25M	.....	11.4 " 12 MC/s
19M	.....	14.8 " 15.6 MC/s
16M	.....	17.4 " 18.2 MC/s
13M	.....	21.2 " 21.8 MC/s

Intermediate Frequency 455 KC/s

TUBES USED

2	-	7C7's	R.F. & I.F.
1	-	7J7	Converter
1	-	78	1st I.F.
1	-	7A6	Diode detector & AVC.
3	-	76's	Audio
2	-	6V6's	Output
1	-	80	Rectifier

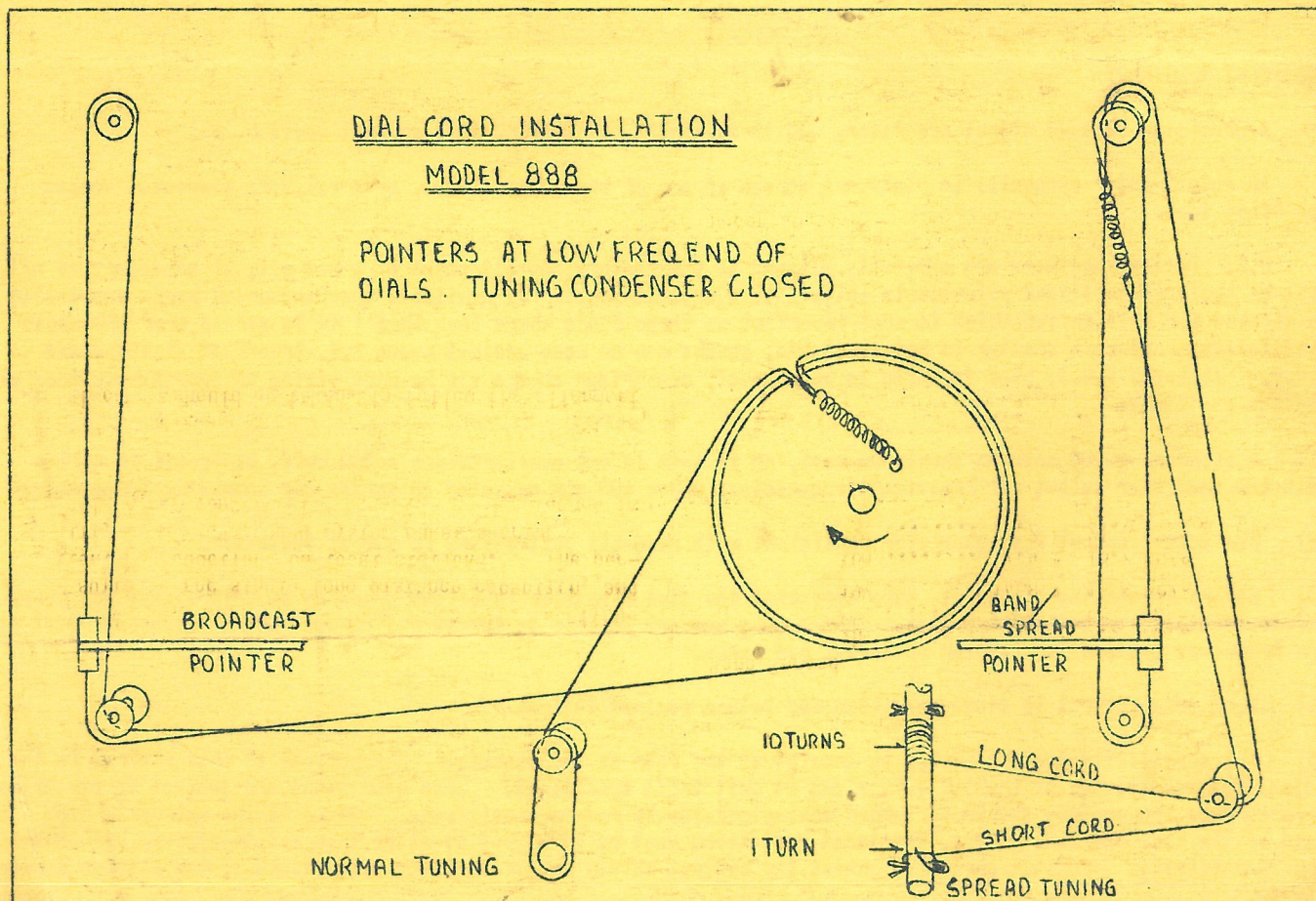
Power Supply - 230 V.A.C., 50 cycles.

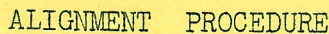
Power Consumption - 90 Watts.

DIAL CORD INSTALLATION

MODEL 888

POINTERS AT LOW FREQUENCY OF
DIALS. TUNING CONDENSER CLOSED





(6) Normally the oscillator peak is on the high side of the signal frequency except for the 13M and 16M Bandspread bands and S.W.1. band.

Operation	Switch Position	Generator Frequency	Receiver Frequency	Adjust Trimmers	Instructions
1	B.C.	455 KC/s	1600 KC/s		Screw C5 in fully clockwise and set R1 bias control for minimum sensitivity. Connect signal generator to centre section of gang through a .05 mfd. condenser.
2	B.C.	455 KC/s	1600 KC/s	1.2.3.4.6.5.	Align once only in order given for maximum output.
3					Transfer generator output to ant. terminal for all subsequent operations, and use appropriate dummy antenna for B.C. & S.W.
4	S.W.3.	21 MC/s	21 MC/s	C11	Adjust C11 for calibration. (Check image).
5	S.W.3.	17.8 MC/s	17.8 MC/s	C12, C13.	Adjust for maximum and repeat 4.
6	S.W.2.	6 MC/s	6 MC/s	C8	Roll gang adjust for maximum output.
7	B.C.			C10	Set to $\frac{1}{2}$ turn from tight.
8	B.C.	1400 KC/s	1400 KC/s	C9	Roll gang, adjust for maximum output.
9	B.C.	600 KC/s	600 KC/s	C10	Roll gang, adjust for maximum output and repeat step 8.

BAND SPREAD

The iron core settings and coils should not be altered unless repairs have been made to the B.S. coils. Recheck setting in the following manner with the tuning control at extreme low frequency end of dial, set csc. core (Blue end), flush with rear of osc. coil form. The Ant. and R.F. cores should now extend $\frac{1}{16}$ " beyond coil.

10	13M	21.5 MC/s	21.5 MC/s	C26,27,28.	Adjust C26 to first peak from tight, C27, C28 for maximum output, image on generator 20.6 MC/s.
11	16M	17.8 MC/s	17.8 MC/s	C23,24,25.	Adjust C23 to first peak from tight, C24, C25 for maximum output, image on generator 16.9 MC/s.
12	19M	15.2 MC/s	15.2 MC/s	C20,21,22	Adjust C20 to second peak from tight, C21, C22 for maximum output. Image on generator 16.1 MC/s.
13	25M	11.7 MC/s	11.7 MC/s	C17,18,19	Adjust C17 to second peak from tight, C18, C19 for maximum output. Image on generator 12.6 MC/s.
14	31M	9.7 MC/s	9.7 MC/s	C14,15,16	Adjust C14 to second peak from tight, C15, C16 for maximum output. Image on generator 10.6 MC/s.