

PHILCO MODEL 671

GENERAL DESCRIPTION:

Model 671 is a Dual-wave Radio Receiver incorporating a feature entirely new to the New Zealand public. This feature, The Radio Nurse, is essentially the heart of an intercommunication system and as such has a variety of uses.

Tube complement: 7B7 R.F.
 7S7 Frequency converter.
 7B7 I.F.
 7C6 2nd Detector and 1st A.F.
 7A5 Output.
 5Y3 Rectifier.

Coverage: Broadcast Band 535 Kcs. to 1600 Kcs.
 Bandspread 9.4 Mcs. to 15.8 Mcs.

Power Supply: 230 Volts 50 Cycle A.C.

Power Consumption: 50 Watts.

Radio Nurse switch cycle: From anticlockwise to fully clockwise.
 1 Normal radio only.
 2 Normal radio and extension speaker.
 3 Normal radio and Radio Nurse.
 4 Radio nurse listen position.
 5 (Spring loaded) Radio Nurse talk position.

FIGURE 1

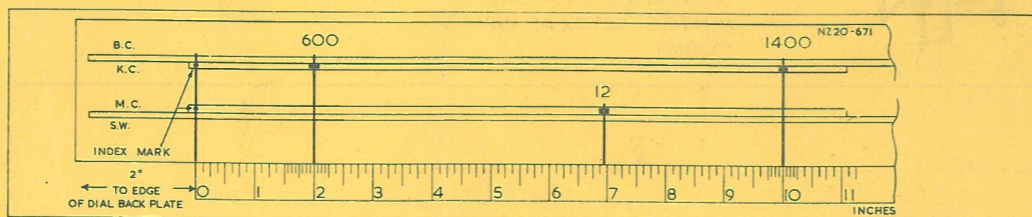
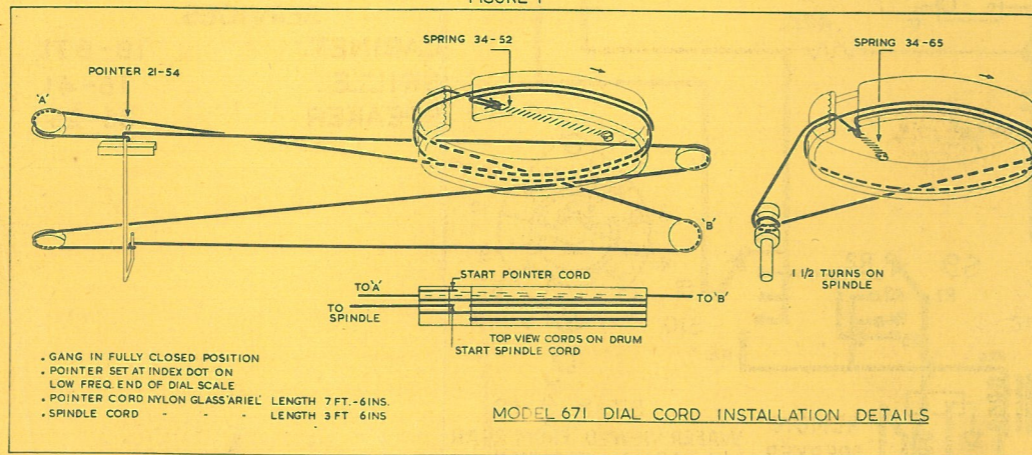
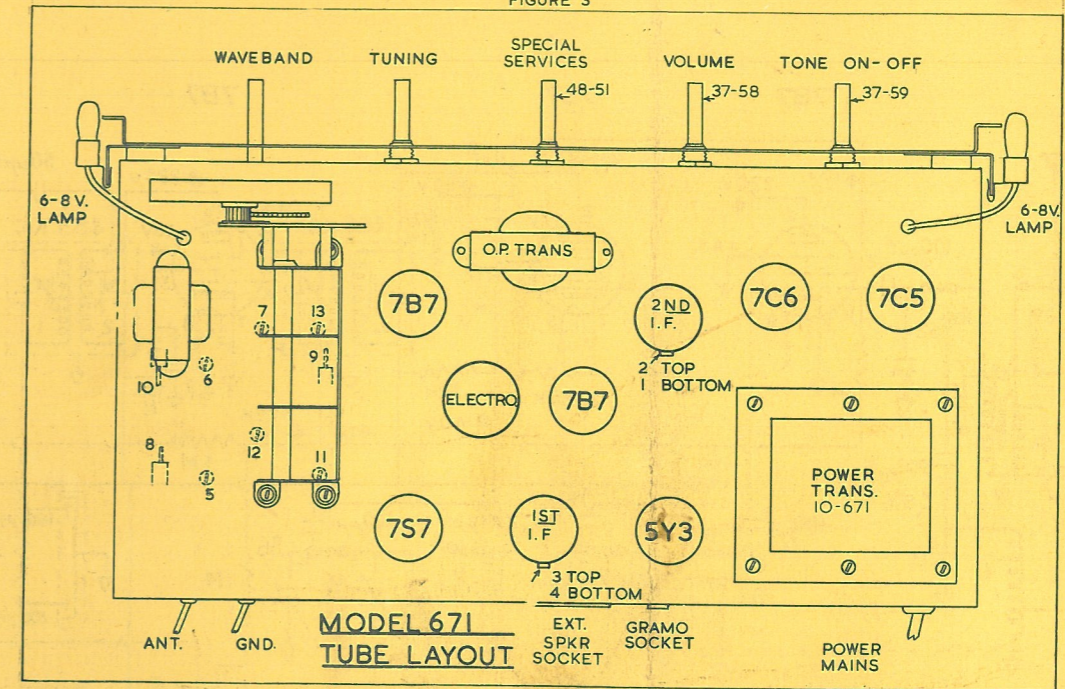


FIGURE 3



ALIGNMENT PROCEDURE

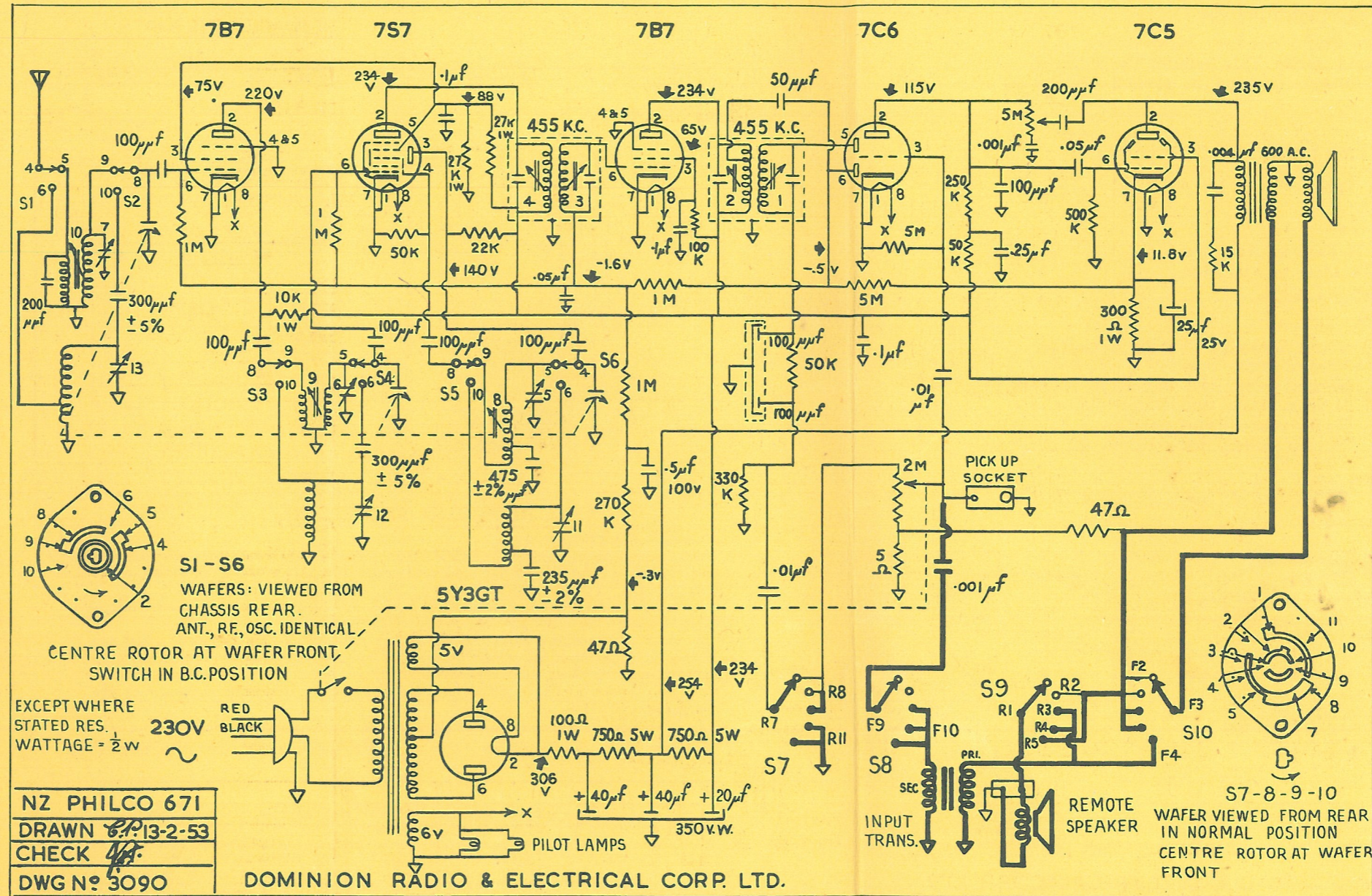
EQUIPMENT REQUIRED:

ALL wave signal generator—output meter. (N.B.) Philco receivers are carefully aligned before leaving the factory and re-alignment of a new set if necessary at all will be confined to slight adjustments only.

1. Connect output meter to convenient source of audio, say across the terminals of the output transformer using the high range of meter.
2. A Standard dummy aerial should be used or if this is not available a 200 mfd condenser in series with the generator lead for broadcast frequencies and a 400 ohm resistor in series for short wave alignment.
3. Use lowest output of generator consistent with a readable deflection of the output meter.
4. Carry out the alignment in the order set out in the following table:

NOTE: The image signal will be found .91 m/cs higher on the generator scale or .91 m/cs lower on the receiver dial scale.

BAND	GENERATOR FREQUENCY	RECEIVER FREQUENCY	TRIMMERS	DUMMY	REMARKS
I.F.	455 K/cs	1600	1-2-3-4	.1 mfd	Connect generator to large centre section of gang.
B.C.	1400	1400	C5-6-7	Standard	Repeat after adjusting 8-9-10.
B.C.	600	600	8-9-10	Standard	
S.W.	12 M/cs	12 M/cs	11-12-13	Standard	Roll gang. Check for image freq.



REPLACEMENT PARTS LIST

PART	NZ PART No
TRANS.-POWER.	10-671
- B.C. OSC.	13-1487
- S.W. OSC.	13-1576
- B.C. R.F.	14-2362
- S.W. R.F.	14-1267
- B.C. ANT.	16-1479
- S.W. ANT.	16-1277
SCALE-DIAL.	20-671
POINTER-DIAL.	21-54
SPRING-POINTER. CORD.	34-52
SPRING-SPINDLE CORD.	34-65
CONTROL-VOLUME	37-58
-TONE.	37-59
SWITCH-SPECIAL SERVICES.	48-51
CABINET.	18-671
GRILLE.	15-41
SPEAKER	36-25

FIGURE 4