

PHILCO MODEL 601

GENERAL DESCRIPTION :

The model 601 is a five tube portable radio of excellent performance, designed for operation either on batteries or 230 volt A.C. or D.C. power supplies, using a metal rectifier.

WARNING! WHEN POSSIBLE, ALL SERVICING AND ALIGNMENT OF THIS SET SHOULD BE DONE ON BATTERIES WITH THE MAINS SUPPLY CABLE DISCONNECTED FROM THE SUPPLY POINT.

IN SOME CASES, HOWEVER, WHEN IT IS ESSENTIAL TO WORK ON THE SET WHILE IT IS CONNECTED TO THE MAINS, PRECAUTIONS **MUST** BE TAKEN TO ENSURE THAT THE MAINS LEAD IS PHASED CORRECTLY. CHECK FOR POLARITY ON D.C. OR PHASE ON A.C.

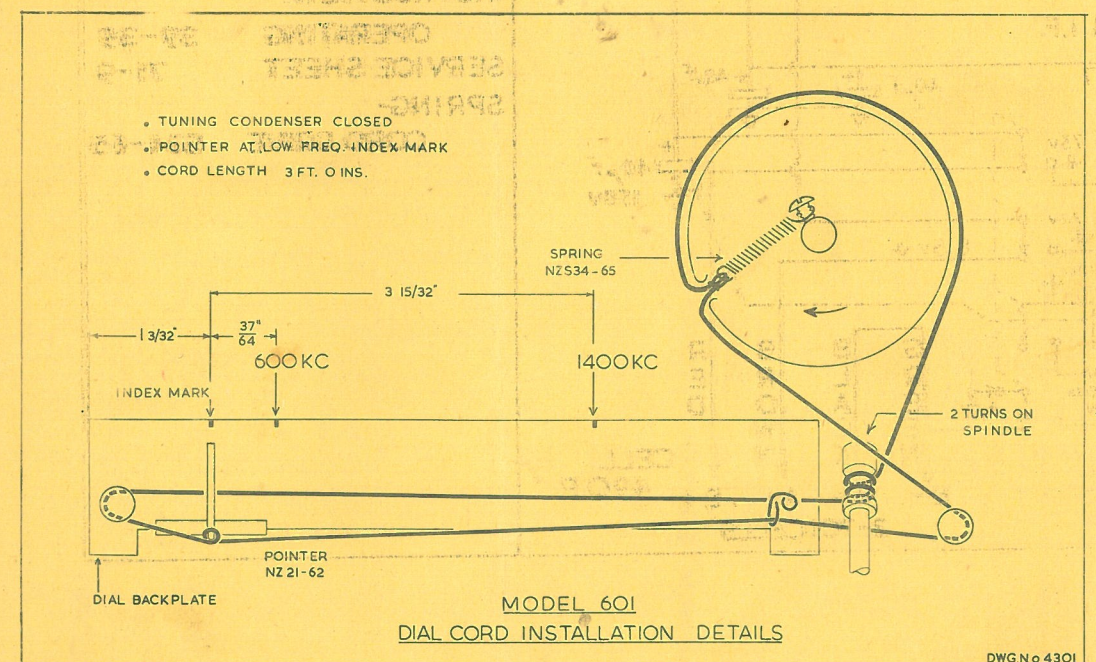
SPECIFICATIONS :

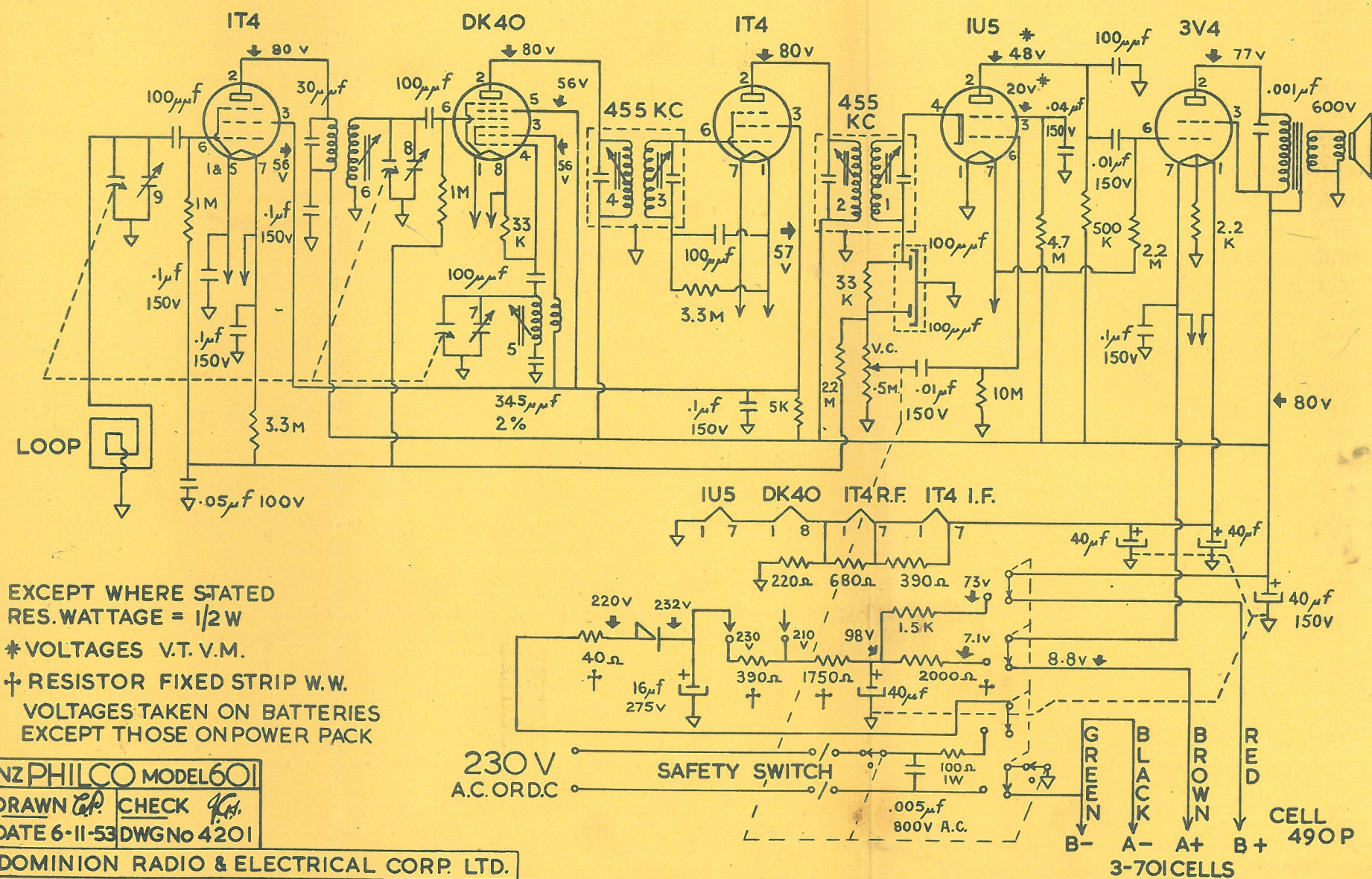
Frequency Range — 550 KC/s to 1600 KC/s
Power Input — 90 volt plate supply and 9 volt filament supply from batteries or 230 volt A.C. or D.C.

Power Consumption— "A" Battery 9V.50 M/A
"B" Battery 90V. 12 M/A
From external power supply—20 watts.

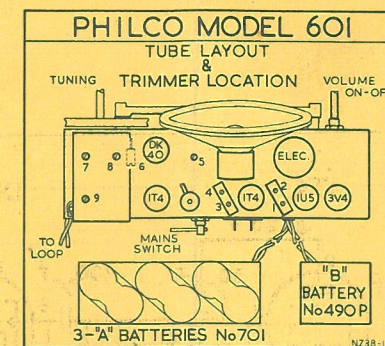
Batteries Used — 3—"A", type 701.
1—"B" Battery Ever-ready No. 490p Block.

Tubes — 1T4RF, DK40 Converter
1T4IF, 145 Det. Audio
3V4OP.





REPLACEMENT PARTS LIST	
PART	NZ PART No
TRANSFORMER	13-1497
- B.C. OSC.	
- B.C. R.F.	14-2367
LOOP - B.C. ANT.	17-0127
SCALE - DIAL	20-601
POINTER - DIAL	21-62
CONTROL - VOLUME	37-82
SWITCH -	
MAINS - BATT.	8-59
SPEAKER -	
WITH O.P.T.	36-34
CABINET	18-601
HANDLE	88-79
BATTERY BOX	88-80
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OPERATING	39-39
SERVICE SHEET	71-9
SPRING -	
CORD DRIVE	S34-65



SERVICE NOTES

To check for suspected faulty DK40 convertor tube, place finger on the oscillator trimmer stator. If the signal returns after removing the finger, the tube is oscillating sufficiently.

If the set is to be transported or stored for any length of time, it is advisable to remove the batteries.

ALIGNMENT INSTRUCTIONS

Signal generator with dummy aerial or 200 mmfd. condenser. Output meter connected across output transformer.

Alignment steps to be carried out in the order given with lowest output from generator constant with readable deflection on output meter. Alignment, with the exception of the I.F. circuits must be carried out with the receiver installed in the cabinet, it should not be necessary to realign I.F. stages except after service.

If the chassis has been out for service, the pointer position should be checked against the mark at L.F. end of the dial before refitting.

GENERATOR FREQUENCY:	CONNECT GENERATOR	FREQUENCY:	TRIMMERS	REMARKS
455 KC/s	Through .1 mfd condenser to mixer section of gang.	1600 KC/s	L1, 2, 3 & 4	In order given for maximum output.
1400 KC/s	To Ant. & earth sockets.	1400 KC/s	C7	Set frequency.
600 KC/s	To Ant. & earth sockets.	600 KC/s	L5, L6	Adjust for maximum while rocking gang.
1400 KC/s	To Ant. & earth sockets.	1400 KC/s	C8 & 9	Adjust for maximum. Check C7.