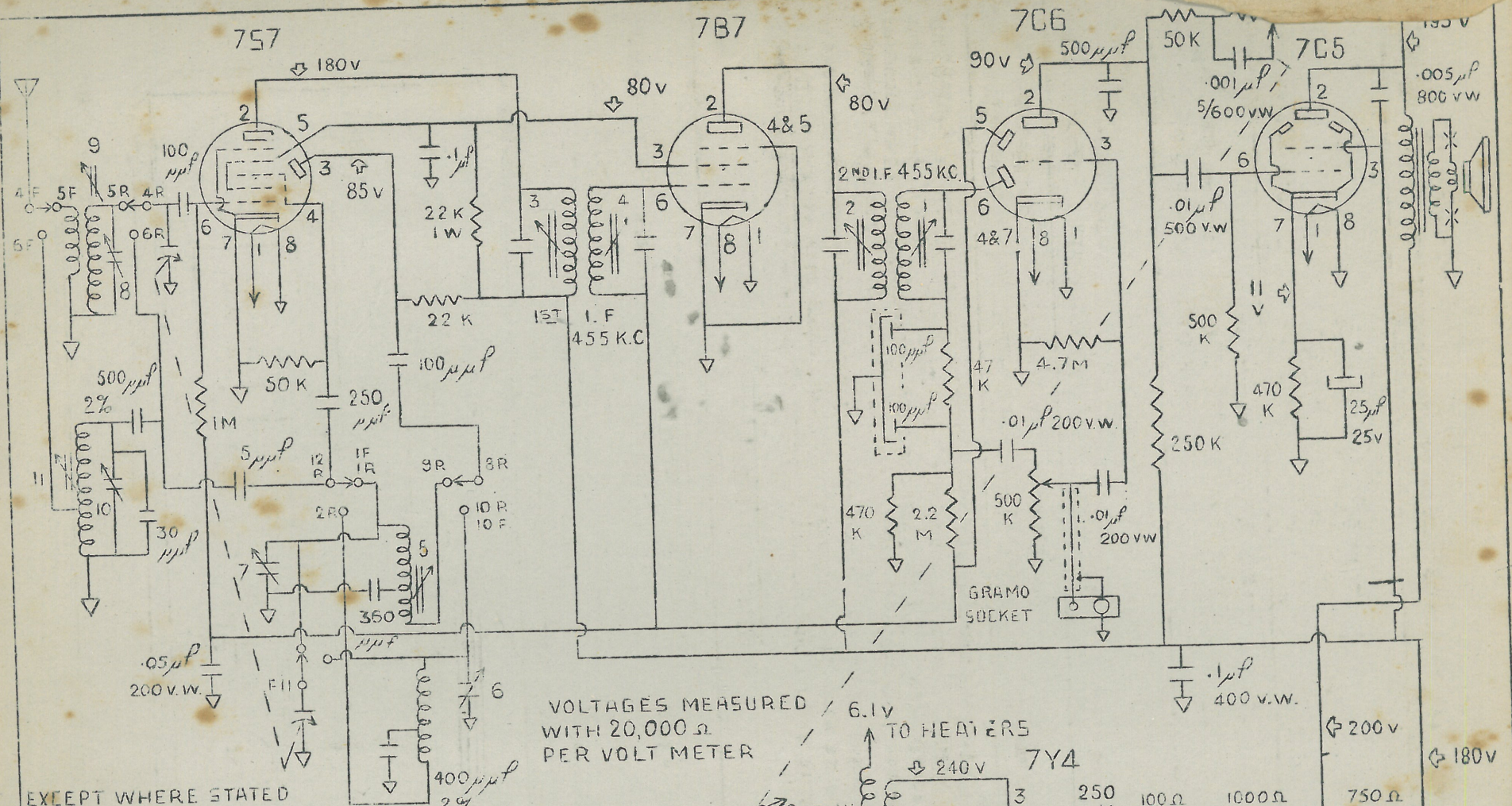




EXCEPT WHERE STATED
RES. WATTAGE = $\frac{1}{2}$ W.

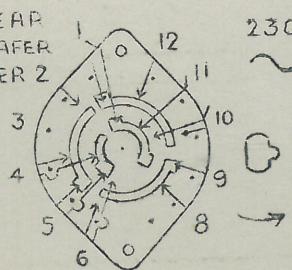
WAFER VIEWED FROM REAR
CENTRE ROTORS ON FRONT OF WAFER
OUTSIDE ROTORS ON REAR OF WAFER 2
F = FRONT. R = REAR
SWITCH IN B.C. POSITION

NZ. PHILCO 521

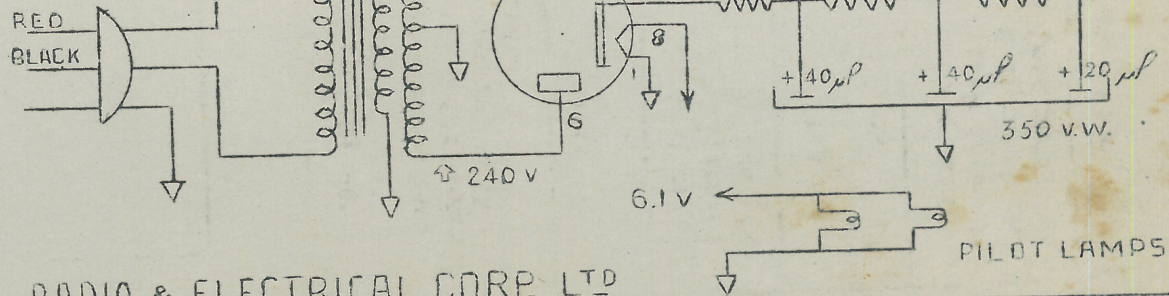
DRAWN *E. P.*

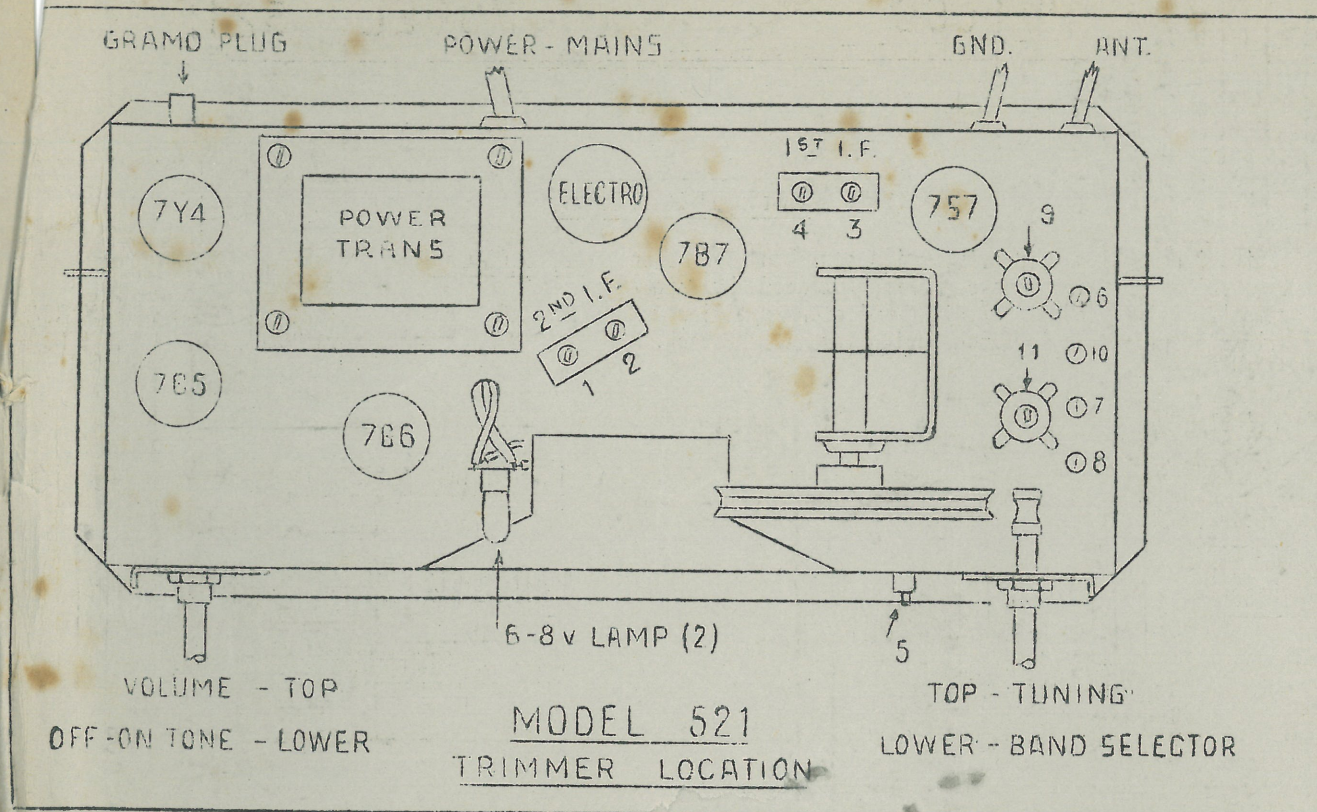
CHECK *[initials]*

1-5-52 DWGN 2916



DOMINION RADIO & ELECTRICAL CORP LTD





ALIGNMENT PROCEDURE

Equipment Required - A wave signal generator and output indicator use dummy aerial in series with generator for alignment or if this is not available, use a 200 mmfd. condenser in series for B.C. and a 400 ohm resistor for S.W.

Procedure - Commencing with B.C. set frequency with No.7 and adjust for maximum response with No.8 trimmers, with receiver at 600 K/cs. adjust 5 and 9 for maximum then recheck 7 and 8 for S.W. Set frequency by means of No.6 and maximum with No.10 tune to 10 M/cs. and adjust No.11 for maximum recheck 6 and 10.

BAND	Generator Connection	Generator Frequency	Receiver Frequency	Trimmers	Remarks
I.F.	Through .1 mfd to convertor grid	455 K/cs.	1600 K/cs.	1-2-3-4	In that order for maximum response recheck.
B.C.	Through dummy aerial to Ant. wire.	1400 K/cs.	1400 K/cs.	7-8	Set frequency check " Recheck
		600 K/cs.	600 K/cs.	5-9	
		1400 K/cs.	1400 K/cs.	7-8	
S.W.	As for B.C.	15 M/cs.	15 M/cs.	6-10	Set frequency & check image for maximum check. (see note)
		10 M/cs.	10 M/cs.	11	
		15 M/cs.	15 M/cs.		

NOTE: The image will be found on the signal generator .91 M/cs. higher than the fundamental.

PHILCO

MODEL 521

SPECIFICATIONS

A five tube dual wave receiver with semi band spread on the S.W.band; a heptode converter followed by high gain I.F. stage and diode/triode detector amplifier with a beam-power output tube using inverse feedback.

BAND COVERAGE:

BC	-	540 KC/s	-	1600 KC/s
S.W.	-	9.3 MC/s	-	15.5 MC/s

CABINET:

Bakelite moulded.

SPEAKER: - P.M.

INTERMEDIATE FREQUENCY:

455 KC/s

TUBES:

757	-	Heptode Converter
7B7	-	I.F.
7C6	-	Diode/triode
7C5	-	Output
7Y4	-	Rectifier

POWER SUPPLY: 230 V A/C. 50 Cycles -

POWER CONSUMPTION: 40W.

MODEL 521

DIAL CORD INSTALLATION

GANG PLATES FULLY MESHED

