

S.720 RECEIVER COMPONENT VALUES.C O N D E N S E R S .

C1	3-23pf Air trimmer.
C2	6pf Silvered Mica.
C3	3-23pf Air trimmer.
C4	6pf Silvered Mica.
C5	3-23pf Air trimmer.
C6	11.5-366pf (R.F.Section 3 Gang.Cond)
C7	.1mfd Tub.paper.
C8	100pf Silvered Mica.
C9	.1mfd Tub.paper.
C10	3pf Silvered Mica.
C11	3-23pf Air trimmer.
C12	3-23pf Air trimmer.
C13	3pf Silvered Mica.
C14	3-23pf Air trimmer.
C15	.01mfd Tub.paper.
C16	11.5-366pf (F.C.Section 3 Gang Cond)
C17	.1mfd Tub.paper.
C18	.1mfd Tub.paper.
C19	200pf $\pm$ 2% Silvered Mica.
C20	100pf Silvered Mica.
C21	3-23pf Air trimmer.
C22	3625pf $\pm$ 1% Silvered Mica.
C23	3-23pf Air trimmer.
C24	1250pf $\pm$ 1% Silvered Mica.
C25	385pf $\pm$ 1% Silvered Mica.
C26	10pf Silvered Mica.
C27	3-23pf Air trimmer.
C28	11.5-366pf (Osc.Section 3 Gang Cond)
C29	200pf $\pm$ 2% Silvered Mica.
C30	200pf $\pm$ 2% Silvered Mica.
C31	.01mfd Moulded Mica.
C32	200pf $\pm$ 2% Silvered Mica.
C33	200pf $\pm$ 2% Silvered Mica.
C34	.01mfd Tub.paper.
C35	.1mfd Tub.paper.
C36	.1mfd Tub.paper.
C37	20pf Silvered Mica.
C38	100pf Silvered Mica.
C39	100pf Silvered Mica.
C40	.01mfd Moulded Mica.
C41	10pf Silvered Mica.
C42	.1mfd Tub.paper.
C43	.01mfd Moulded Mica.
C44	.01mfd Tub.paper.
C45	25mfd 25 V.D.C.Wkg.ELECT.
C46	25mfd 25 V.D.C.Wkg.ELECT.
C47	.0003mfd Moulded Mica.
C48	14-45pf Ceramic Trimmer.
C49	100pf Silvered Mica.
C50	400pf Silvered Mica.
C51	.01mfd Tub.paper.
C52	.01mfd Tub.paper.

Component Values (Condensers) Cont:-

- C58 .02mfd Tub. Paper A.C.Wkg.
- C59 .01mfd Moulded Mica.
- C60 50mfd 450 V.D.C.Wkg.ELECT.
- C61 32mfd. 200 V.D.C.Wkg. ELECT.

S720 RECEIVER COMPONENT VALUES.RESISTORS.

R1	47,000 ohms $\frac{1}{2}$ W.
R2	22,000 ohms $\frac{1}{2}$ W.
R3	10,000 ohms $\frac{1}{2}$ W.
R4	47,000 ohms $\frac{1}{2}$ W.
R5	1.0 Megohm. $\frac{1}{2}$ W.
R6	.27 Megohm $\frac{1}{2}$ W.
R7	.47 Megohm $\frac{1}{2}$ W.
R8	330 ohms $\frac{1}{2}$ W.
R9	4,700 ohms Type 16.
R10	3,000 ohms Type 16.
R11	.47 Megohm $\frac{1}{2}$ W.
R12	47,000 ohms. $\frac{1}{2}$ W.
R13	220 ohms $\pm$ 10% $\frac{1}{2}$ W.
R14	47,000 ohms. $\frac{1}{2}$ W.
R15	560 ohms. Type 16.
R16	330 ohms $\frac{1}{2}$ W.
R17	.47 Megohm $\frac{1}{2}$ W.
R18	.47 Megohm $\frac{1}{2}$ W.
R19	22,000 ohms $\frac{1}{2}$ W.
R20	.5 Megohm Potentiometer.
R21	.1 Megohm $\frac{1}{2}$ W.
R22	1,400 Ohms. $\frac{1}{2}$ W.
R23	50,000 ohms. Potentiometer.
R24	.47 Megohms. $\frac{1}{2}$ W.
R25	.47 Megohms $\frac{1}{2}$ W.

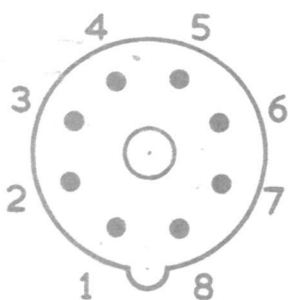
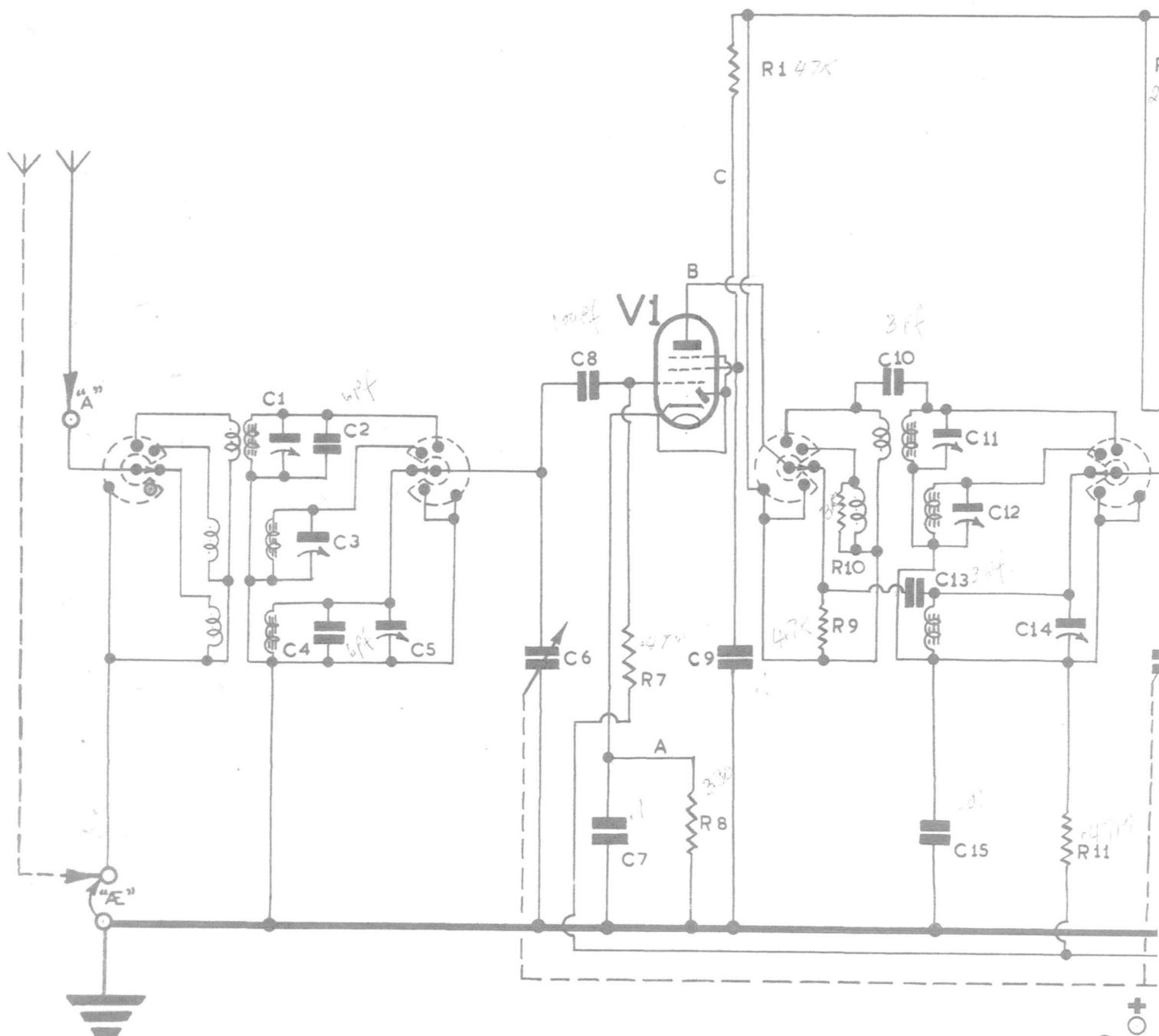
S720 RECEIVER VOLTAGE VALUES.

The voltages are between the point indicated and the chassis. Set the receiver at 1250 metres on Range 3 with the aerial shorted out, volume control and tone control turned fully clockwise. Two sets of values are given using different meters as shown. It will be evident that the actual voltage indicated depends on the meter employed. A tolerance of plus or minus 5% should be allowed on the values given.

<u>CIRCUIT REFERENCE.</u>	<u>WESTON 1000 ohms/Volt.</u>	<u>AVO. MODEL.</u>
A.	1.8 Volts.	1.5 Volts.
B.	130 "	115 "
C.	85 "	60 "
D.	65 "	50 "
E.	130 "	126 "
F.	1.4 "	1.2. "
G.	85 "	85 "
H.	1.5 "	1.4. "
J	130 "	126 "
K	65 "	55 "
L	13 "	7 "
M	22 "	12 "
N	0.6 "	0.4 "
O	130 "	127 "
P	150 "	146 "
Q	150 "	146 "
R	152 "	149 "
S	130 "	127 "
T	60 "	50 "
U	7.1 "	6.7 "

Total Current Input:- 1.9A.

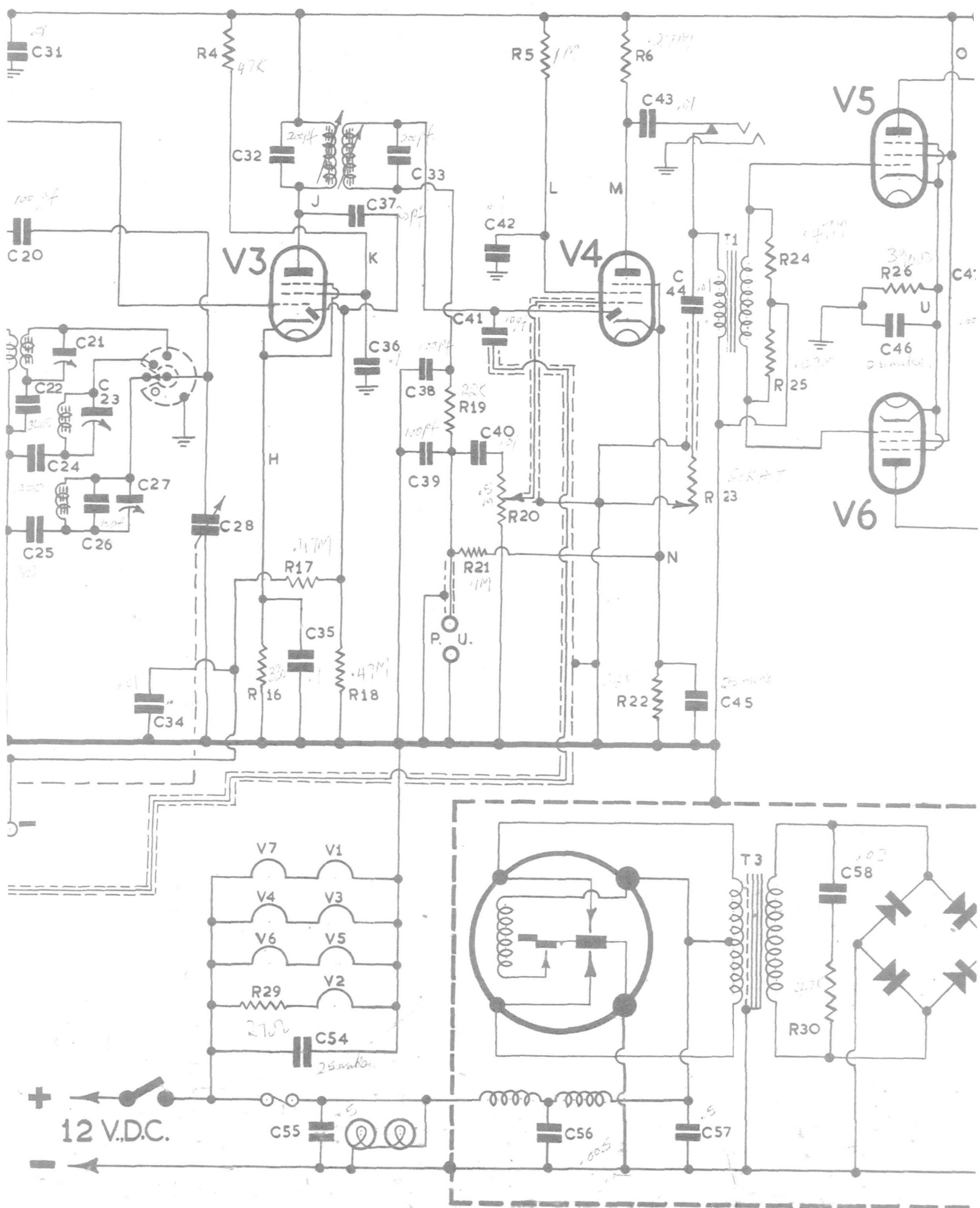
Total H.T. (AVO & WESTON 1000 ohms/Volt) 39mA.



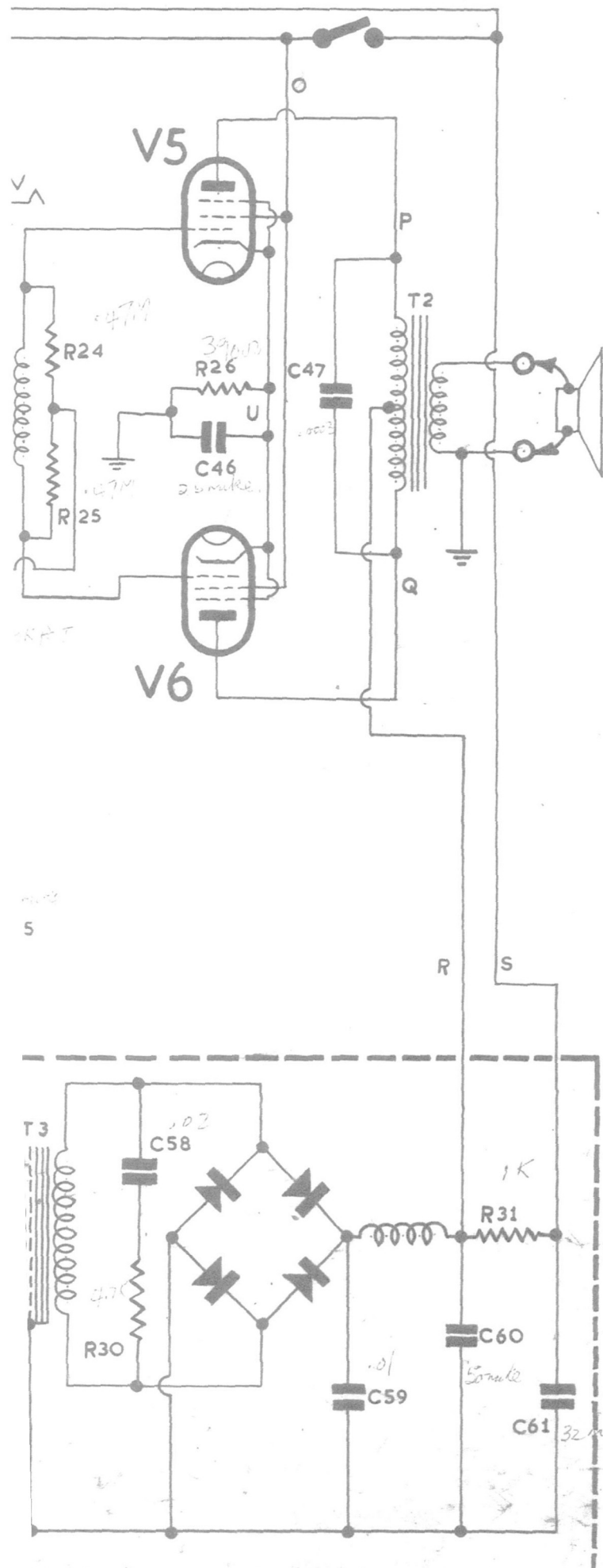
VALVES		1	2	3	4	5	6	7	8
V1, 3, 4, 7.	EAF42	H	A	AD	G3	G2	G1	KS	H
V2.	ECH42	H	AH	AT	G3 GT	G2 G4	G1	K	H
V5,6.	EL 42	H	A	K G3	—	G2	G1	K G3	H

"S720" RECEIVER.

B



REVISIONS.



S720

STRATTON & CO. LTD.
BIRMINGHAM,
ENGLAND.

DRAWING No. BP 732

DRAWN D. BATES.

TRACED DB. 24.5.50.