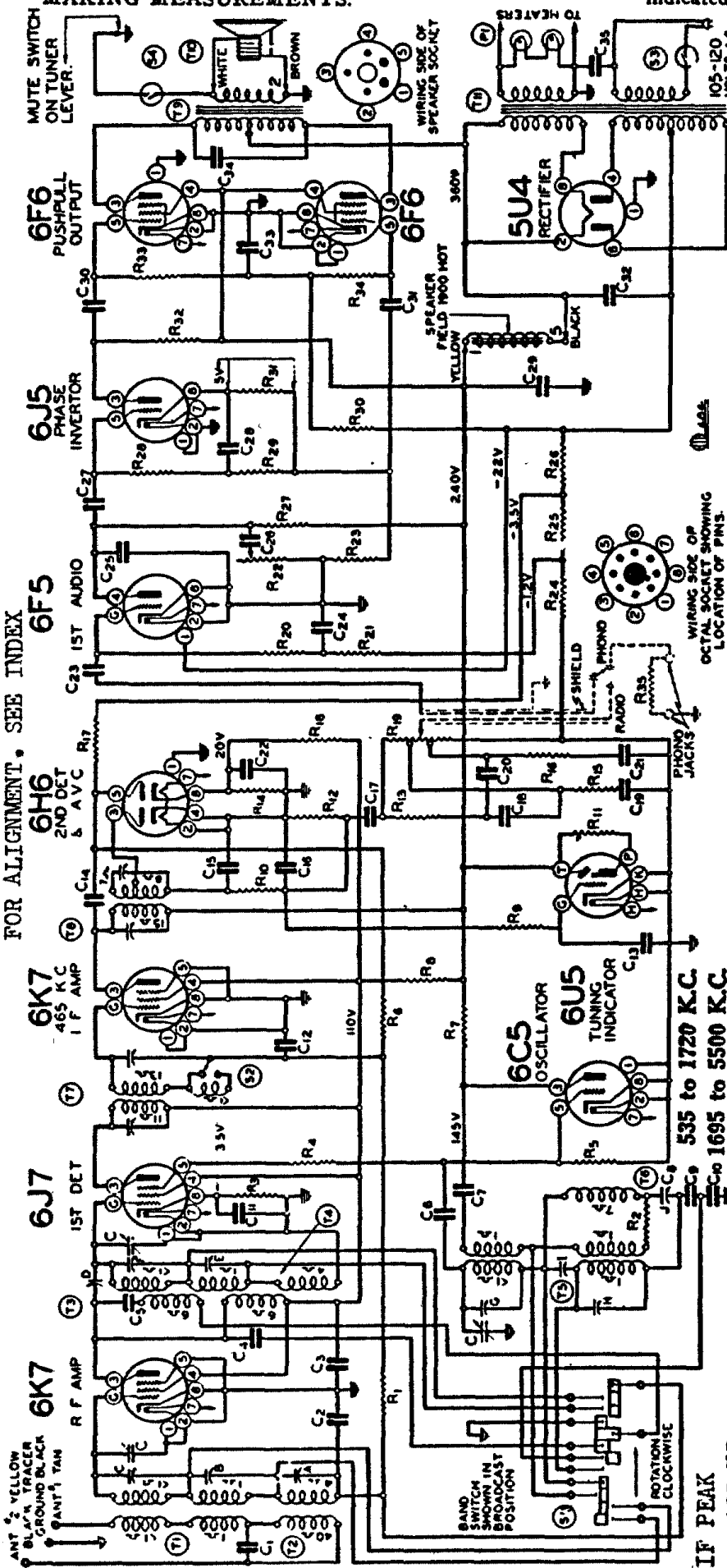


IN ORDER TO PREVENT SIGNAL FROM ACTING UPON AVC AND AFFECTING ACCURACY OF VOLTAGE MEASUREMENTS, AERIAL AND GROUND LEADS SHOULD BE SHORT CIRCUITED WHILE MAKING MEASUREMENTS.

Voltages taken from different points of circuit to chassis are measured with volume control full on, all tubes in their sockets and speaker connected, with a voltmeter having a resistance of 1000 ohms per volt. These voltages are clearly indicated on the circuit diagram.



FOR ALIGNMENT, SEE INDEX

6K7 R F AMP
157 DET
ANT, TAN
BAND SWITCH SHOWN IN BROADCAST POSITION
ROTATION CLOCKWISE

6J7 157 DET
3.5V

6H6 2ND DET & AVC
20V

6F5 6F5 1ST AUDIO
C23 157 AUDIO
C27
C28
C29
C30
C31
C32
C33
C34
C35

6J5 PHASE INVERTOR
3V

6F6 PUSH-PULL OUTPUT
C30
C31
C32
C33
C34
C35

6C5 OSCILLATOR
145V
100V
110V
120V
130V
140V
150V
160V
170V
180V
190V
200V
210V
220V
230V
240V
250V
260V
270V
280V
290V
300V
310V
320V
330V
340V
350V
360V
370V
380V
390V
400V
410V
420V
430V
440V
450V
460V
470V
480V
490V
500V
510V
520V
530V
540V
550V
560V
570V
580V
590V
600V
610V
620V
630V
640V
650V
660V
670V
680V
690V
700V
710V
720V
730V
740V
750V
760V
770V
780V
790V
800V
810V
820V
830V
840V
850V
860V
870V
880V
890V
900V
910V
920V
930V
940V
950V
960V
970V
980V
990V
1000V

6U5 TUNING INDICATOR
C13
C14
C15
C16
C17
C18
C19
C20
C21
C22
C23
C24
C25
C26
C27
C28
C29
C30
C31
C32
C33
C34
C35

5U4 RECTIFIER
C36
C37
C38
C39
C40
C41
C42
C43
C44
C45
C46
C47
C48
C49
C50
C51
C52
C53
C54
C55
C56
C57
C58
C59
C60
C61
C62
C63
C64
C65
C66
C67
C68
C69
C70
C71
C72
C73
C74
C75
C76
C77
C78
C79
C80
C81
C82
C83
C84
C85
C86
C87
C88
C89
C90
C91
C92
C93
C94
C95
C96
C97
C98
C99
C100

535 to 1720 K.C.
535 to 1695 to 5500 K.C.

RESISTORS

Code Part No.	Description	Tolerance
R1	100M ohm - 1/3 w. - 20%	20%
R2	100M ohm - 1/3 w. - 10%	10%
R3	2500 ohm - 1/3 w. - 10%	10%
R4	100 ohm - 1/3 w. - 20%	20%
R5	50M ohm - 1/3 w. - 20%	20%
R6	1 megohm - 1/3 w. - 20%	20%
R7	15M ohm - 1/2 w. - 20%	20%
R8	200 ohm - resistor strip	20%
R9	3 megohm - 1/3 w. - 20%	20%
R10	25M ohm - 1/10 w. - 20%	20%
R11	1 megohm - in tuning indicator socket 1/10 w. - 20%	20%
R12	250M ohm - 1/10 w. - 20%	20%
R13	50M ohm - 1/3 w. - 20%	20%
R14	600 ohm - Resistor Strip	20%
R15	3M ohm - 1/3 w. - 20%	20%
R16	500M ohm - 1/3 w. - 20%	20%
R17	130-3	20%
R18	100-3	20%
R19	100-3	20%
R20	100-3	20%
R21	100-3	20%
R22	100-3	20%
R23	100-3	20%
R24	100-3	20%
R25	100-3	20%
R26	100-3	20%
R27	100-3	20%
R28	100-3	20%
R29	100-3	20%
R30	100-3	20%
R31	100-3	20%
R32	100-3	20%
R33	100-3	20%
R34	100-3	20%
R35	100-3	20%
R36	100-3	20%
R37	100-3	20%
R38	100-3	20%
R39	100-3	20%
R40	100-3	20%
R41	100-3	20%
R42	100-3	20%
R43	100-3	20%
R44	100-3	20%
R45	100-3	20%
R46	100-3	20%
R47	100-3	20%
R48	100-3	20%
R49	100-3	20%
R50	100-3	20%
R51	100-3	20%
R52	100-3	20%
R53	100-3	20%
R54	100-3	20%
R55	100-3	20%
R56	100-3	20%
R57	100-3	20%
R58	100-3	20%
R59	100-3	20%
R60	100-3	20%
R61	100-3	20%
R62	100-3	20%
R63	100-3	20%
R64	100-3	20%
R65	100-3	20%
R66	100-3	20%
R67	100-3	20%
R68	100-3	20%
R69	100-3	20%
R70	100-3	20%
R71	100-3	20%
R72	100-3	20%
R73	100-3	20%
R74	100-3	20%
R75	100-3	20%
R76	100-3	20%
R77	100-3	20%
R78	100-3	20%
R79	100-3	20%
R80	100-3	20%
R81	100-3	20%
R82	100-3	20%
R83	100-3	20%
R84	100-3	20%
R85	100-3	20%
R86	100-3	20%
R87	100-3	20%
R88	100-3	20%
R89	100-3	20%
R90	100-3	20%
R91	100-3	20%
R92	100-3	20%
R93	100-3	20%
R94	100-3	20%
R95	100-3	20%
R96	100-3	20%
R97	100-3	20%
R98	100-3	20%
R99	100-3	20%
R100	100-3	20%

CONDENSERS

Code Part No.	Description	Tolerance
C1	102-66	20%
C2	102-40	20%
C3	102-22	20%
C4	102-10	20%
C5	102-5	20%
C6	102-3	20%
C7	102-1	20%
C8	102-0.5	20%
C9	102-0.2	20%
C10	102-0.1	20%
C11	102-0.05	20%
C12	102-0.02	20%
C13	102-0.01	20%
C14	102-0.005	20%
C15	102-0.002	20%
C16	102-0.001	20%
C17	102-0.0005	20%
C18	102-0.0002	20%
C19	102-0.0001	20%
C20	102-0.00005	20%
C21	102-0.00002	20%
C22	102-0.00001	20%
C23	102-0.000005	20%
C24	102-0.000002	20%
C25	102-0.000001	20%
C26	102-0.0000005	20%
C27	102-0.0000002	20%
C28	102-0.0000001	20%
C29	102-0.00000005	20%
C30	102-0.00000002	20%
C31	102-0.00000001	20%
C32	102-0.000000005	20%
C33	102-0.000000002	20%
C34	102-0.000000001	20%
C35	102-0.0000000005	20%
C36	102-0.0000000002	20%
C37	102-0.0000000001	20%
C38	102-0.00000000005	20%
C39	102-0.00000000002	20%
C40	102-0.00000000001	20%
C41	102-0.000000000005	20%
C42	102-0.000000000002	20%
C43	102-0.000000000001	20%
C44	102-0.0000000000005	20%
C45	102-0.0000000000002	20%
C46	102-0.0000000000001	20%
C47	102-0.00000000000005	20%
C48	102-0.00000000000002	20%
C49	102-0.00000000000001	20%
C50	102-0.000000000000005	20%
C51	102-0.000000000000002	20%
C52	102-0.000000000000001	20%
C53	102-0.0000000000000005	20%
C54	102-0.0000000000000002	20%
C55	102-0.0000000000000001	20%
C56	102-0.00000000000000005	20%
C57	102-0.00000000000000002	20%
C58	102-0.00000000000000001	20%
C59	102-0.000000000000000005	20%
C60	102-0.000000000000000002	20%
C61	102-0.000000000000000001	20%
C62	102-0.0000000000000000005	20%
C63	102-0.0000000000000000002	20%
C64	102-0.0000000000000000001	20%
C65	102-0.00000000000000000005	20%
C66	102-0.00000000000000000002	20%
C67	102-0.00000000000000000001	20%
C68	102-0.000000000000000000005	20%
C69	102-0.000000000000000000002	20%
C70	102-0.000000000000000000001	20%
C71	102-0.0000000000000000000005	20%
C72	102-0.0000000000000000000002	20%
C73	102-0.0000000000000000000001	20%
C74	102-0.00000000000000000000005	20%
C75	102-0.00000000000000000000002	20%
C76	102-0.00000000000000000000001	20%
C77	102-0.000000000000000000000005	20%
C78	102-0.000000000000000000000002	20%
C79	102-0.000000000000000000000001	20%
C80	102-0.0000000000000000000000005	20%
C81	102-0.0000000000000000000000002	20%
C82	102-0.0000000000000000000000001	20%
C83	102-0.00000000000000000000000005	20%
C84	102-0.00000000000000000000000002	20%
C85	102-0.00000000000000000000000001	20%
C86	102-0.000000000000000000000000005	20%
C87	102-0.000000000000000000000000002	20%
C88	102-0.000000000000000000000000001	20%
C89	102-0.0000000000000000000000000005	20%
C90	102-0.0000000000000000000000000002	20%
C91	102-0.0000000000000000000000000001	20%
C92	102-0.00000000000000000000000000005	20%
C93	102-0.00000000000000000000000000002	20%
C94	102-0.00000000000000000000000000001	20%
C95	102-0.000000000000000000000000000005	20%
C96	102-0.000000000000000000000000000002	20%
C97	102-0.000000000000000000000000000001	20%
C98	102-0.0000000000000000000000000000005	20%
C99	102-0.0000000000000000000000000000002	20%
C100	102-0.0000000000000000000000000000001	20%

RECEIVERS

Code Part No.	Description	Tolerance
R1	100M ohm - 1/3 w. - 20%	20%
R2	100M ohm - 1/3 w. - 10%	10%
R3	2500 ohm - 1/3 w. - 10%	10%
R4	100 ohm - 1/3 w. - 20%	20%
R5	50M ohm - 1/3 w. - 20%	20%
R6	1 megohm - 1/3 w. - 20%	20%
R7	15M ohm - 1/2 w. - 20%	20%
R8	200 ohm - resistor strip	20%
R9	3 megohm - 1/3 w. - 20%	20%
R10	25M ohm - 1/10 w. - 20%	20%
R11	1 megohm - in tuning indicator socket 1/10 w. - 20%	20%
R12	250M ohm - 1/10 w. - 20%	20%
R13	50M ohm - 1/3 w. - 20%	20%
R14	600 ohm - Resistor Strip	20%
R15	3M ohm - 1/3 w. - 20%	20%
R16	500M ohm - 1/3 w. - 20%	20%
R17	130-3	20%
R18	100-3	20%
R19	100-3	20%
R20	100-3	20%
R21	100-3	20%
R22	100-3	20%
R23	100-3	20%
R24	100-3	20%
R25	100-3	20%
R26	100-3	20%
R27	100-3	20%
R28	100-3	20%
R29	100-3	20%
R30	100-3	20%
R31	100-3	20%
R32	100-3	20%
R33	100-3	20%
R34	100-3	20%
R35	100-3	20%
R36	100-3	20%
R37	100-3	20%
R38	100-3	20%
R39	100-3	20%
R40	100-3	20%
R41	100-3	20%
R42	100-3	20%
R43	100-3	20%
R44	100-3	20%
R45	100-3	20%
R46	100-3	20%
R47	100-3	20%
R48	100-3	20%
R49	1	