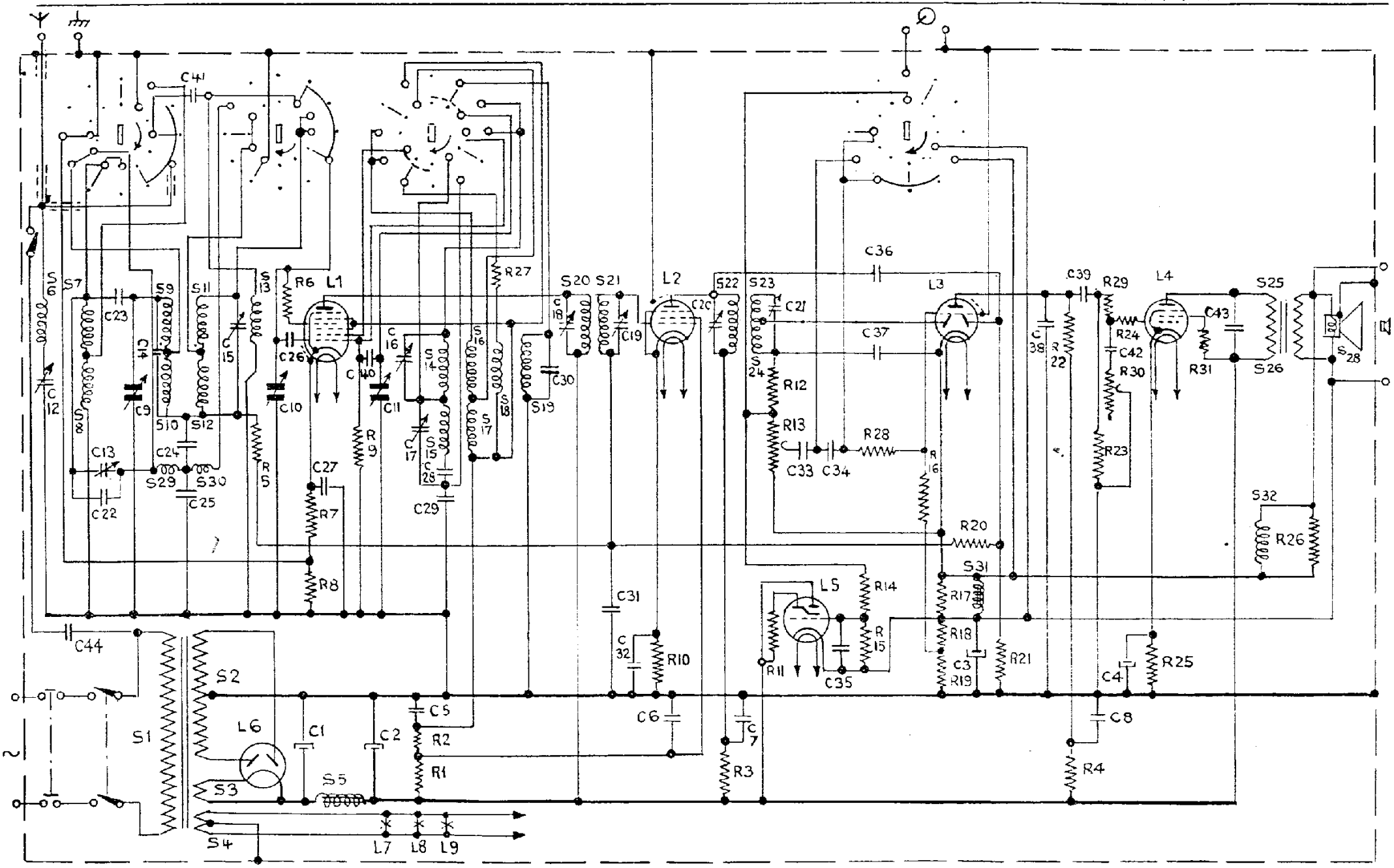
TYPE 747A.

S:	6. 7. 8. 29 30 9 10. 1 2. 3. 4 11. 12. 13.	5.	14. 15. 16. 17. 18. 19. 20. 21.	22. 23. 24.	31	32. 25. 26. 27. 28.
C:	12 44 13. 22. 14. 23. 9. 24. 25. 41. 15.	10 26. 1. 27. 40. 2. 11. 16. 17. 28. 29.	5. 30. 18. 31. 19. 32. 6.	20. 7. 21. 33. 34. 35. 36. 37.	3. 38 39. 8 42 4	43
R:	5. 6. 7. 8. 9	2. 27. 1.	10.	3. 11. 12. 13.	14 15. 28. 16. 17 18 19 20. 21.	22. 4. 23. 29. 30. 24. 25. 31. 26



RESISTANCES 747AX.

Design-ation.	Value		Code No.
R1	10,000 ohms	2 par. 1 watt	28.771.03.0
R2	10,000 ohms	1 watt	28.771.00.0
R5	0.1 megohm	0.25 watt	28.773.90.0
R6	32 ohms	0.25 watt	28.773.55.0
R7	250 ohms	0.25 watt	28.773.64.0
R8	10,000 ohms	0.25 watt	28.773.80.0
R9	50,000 ohms	0.25 watt	28.773.87.0
R10	400 ohms	0.25 watt	28.773.66.0
R11	2 megohms	1 watt	28.771.23.0
R12	0.25 megohm	0.25 watt	28.773.94.0
R13	0.5 megohm		28.814.52.0
R14	5 megohms	1 watt	28.771.27.0
R15	1.6 megohms	0.5 watt	28.770.57.0
R16	1.6 megohms	0.5 watt	28.770.57.0
R17	20 ohms	0.25 watt	28.773.53.0
R18	3,200 ohms	0.25 watt	28.773.75.0
R21	9 megohms (in series)	2 watts	28.771.26.0 28.771.27.0
R22	0.1 megohm	0.5 watt	28.770.45.0
R23	0.8 megohm	0.25 watt	28.773.99.0
R24	1,000 ohms	0.25 watt	28.773.70.0
R25	125 ohms	0.5 watt	28.770.16.0
R26	320 ohms	0.25 watt	28.773.65.0
R27	50 ohms	0.25 watt	28.773.57.0
R28	0.5 megohm	0.25 watt	28.773.97.0
R29	0.5 megohm	0.25 watt	28.773.97.0
R30	0.3-0.3 megohm		28.815.01.0
R31	50 ohms	0.25 watt	28.773.57.0
R32	0.32 megohm	0.25 watt	28.773.95.0
R33	1 megohm	0.5 watt	28.770.55.0
R34	2 megohms	1 watt	28.771.23.0
R35	32,000 ohms	0.25 watt	28.773.85.0
R36	64,000 ohms	0.25 watt	28.773.88.0
R37	0.16 megohm	0.25 watt	28.773.92.0
R38	0.1 megohm	0.25 watt	28.773.90.0
R39	50 ohms	0.25 watt	28.773.57.0

CONDENSERS 747AX

Design-ation	Value	Code Number
C1	32 μF	28.180.13.0
C2	32 μF	28.180.13.0
C3	50 μF	28.180.32.0
C5	0.1 μF	28.199.09.0
C6	32 μF	28.182.40.0†
C7	400 $\mu\mu$F	28.190.19.0
C9	11—490 $\mu\mu$F	
C10	11—490 $\mu\mu$F	28.211.42.0
C11	11—490 $\mu\mu$F	
C12	12—170 $\mu\mu$F	28.570.48.0
C13	2.5— 30 $\mu\mu$F	28.211.32.0
C14	2.5— 30 $\mu\mu$F	28.571.59.0
C15	2.5— 30 $\mu\mu$F	28.571.60.0
C16	2.5— 30 $\mu\mu$F	28.570.50.0
C18	12—170 $\mu\mu$F	28.211.31.0
C19	12—170 $\mu\mu$F	28.570.70.0
C20	12—170 $\mu\mu$F	28.211.31.0
C21	12—170 $\mu\mu$F	28.570.72.0
C22	20 $\mu\mu$F	28.206.37.0
C23	10 $\mu\mu$F	28.206.34.0
C24	16,000 $\mu\mu$F	28.201.10.0
C25	25,000 $\mu\mu$F	28.201.12.0
C26	2 $\mu\mu$F	28.205.88.0

VALVE VOLTAGES AND CURRENTS.

TYPE 747A.

	L1 (FC4)	L2 (VP4B)	L3 (TDD4)	L4 (PENA4)	
Va	250	250	100	235	Volts
Vg1	100	170	—	250	Volts
Vg235	2.2*	2.2*	5.6*	6.5*	Volts
Ia	1.2	5.2	1.0	36	Milliamps.
Ig2	2.2	2.4	—	6.0	Milliamps.
Ig35	6.5	—	—	—	Milliamps.

Volts across C2 = 250 v. Total watts = 55.

* Between cathode and E.

The voltages are measured with voltmeters having a resistance of 2,000 Ohms per volt. Moving coil voltmeters give readings which depend upon the resistance used and the current consumption of the meter itself.

The values given above are the mean of several measurements, therefore some readings obtained may differ appreciably, due to the tolerances of the components as well as the valves. Before finally deciding that a valve is defective, it is recommended that a replacement test with the same type of valve is made.