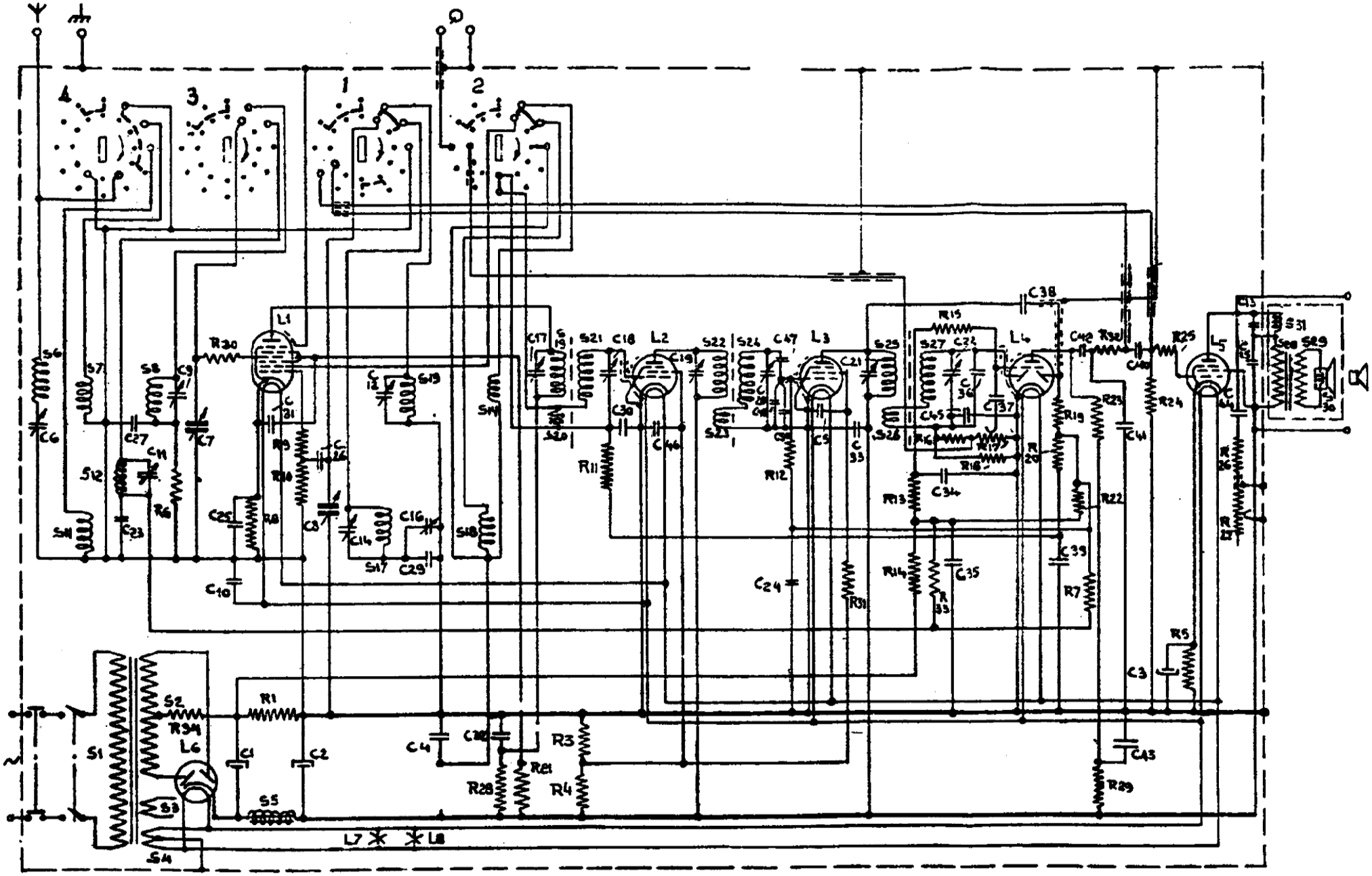
337 A-06

S:	6, 7, 11, 12, 3, 4, 8, 12, 5, 17, 15, 14, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 31, 28, 29, 30
C:	6, 27, 9, 11, 7, 23, 10, 25, 1, 31, 2, 26, 8, 14, 12, 16, 29, 4, 17, 32, 18, 30, 46, 19, 50, 24, 20, 47, 48, 5, 33, 21, 45, 34, 22, 35, 36, 37, 39, 38, 40, 41, 42, 3, 43, 13, 15, 44,
R:	34, 30, 6, 8, 1, 9, 10, 2, 28, 21, 3, 4, 11, 12, 31, 33, 13, 14, 15, 16, 17, 18, 19, 20, 32, 22, 23, 7, 24, 25, 5, 29, 26, 27,



D1543.

337 A-06

Supplement documentation for type 337 A-06.
To be used together with documentation for type 337 A.

The circuit diagram of the receiver type 337A-06 is nearly the same as that of the receiver type 337A. The differences are mentioned below.
Considering the fact that other valves are used, the "Economical" series, some precautions are taken which are not fitted in type 337A.
So, C10 gives a decoupling of the filament of L1. R21 serves to give the screen grid of L1 the right tension, whilst R32 prevents the I.F. voltages to enter the L.F. part. R33 serves to reduce the influence of the A.V.C. on L1. Further a filter circuit is provided which consists of C13, S31 and C15, and cuts off the higher frequencies in the reproduction.
To prevent a defect of L6, R34 is placed in the plate-circuit, so the charge-current of C1 is limited.
The chapters "Description of the circuit diagram"; "Trimming the receiver"; "Tracing defects", " Dismantling and Repairs" and the list of spare parts and tools of the documentation for 337 A can be used, whilst a new Point to Point measuring table is given.
Please note that the code number of the rear panel is for type 337A-06; 28.398.520g and the code number for rotorcontact 4.1.4; 28.904.180.

Table of voltages and currents measured with the Universal Measuring Apparatus type 4256

	L 1	L 2	L 3	L 4	L 5	
Va	230	270	270	71	232	Volt
Vg'	g3-5 = 48 g2 = 190	88	87		270	Volt
-Vg	g4 = 1.4				6.35	Volt
Ia	0.6	8.2	8	0.62	36	m.A.
Ig'	g3-5 = 1.1 g2 = 3	2.2	2.2		4.2	m.A.

Vf = 6.3 V

Total consumption 70 V.A. (63 W)

LIST OF SPARE PARTS AND TOOLS

When ordering parts and tools always mention:

1. Codenumber.
2. Typenumber of the receiver.
3. Description.

Fig.	Pos.	Description	Codenumber	Price
12	1	Cabinet	25.870.190	
12	3	Ornamental window	25.870.200	
12	4	Station dial	28.701.320	
12	5	Needle	28.896.080	
12	6	Small knobb	23.610.260	
12	7	Large knob	23.610.250	
13	8	Spring for fixing rear panel	28.750.040	
13	9	Spring for fixing rear panel	28.751.280	
13	10	Rear panel	28.397.763	
13	11	Safety contact (box)	25.742.000	
13	12	Mains two-pin plate	28.870.750	
13	13	Socket plate (pick-up)	28.888.360	
13	14	Protecting cover loudspeaker contact	23.992.541	
13	15	Socket plate (aerial-earth)	28.888.370	
13	16	Cardboard screening plate (small)	28.338.510	
13	17	Cardboard screening plate (large)	28.336.510	
13	18	Tension change-over disc	25.868.940	
13	19	Tension change-over plate	28.867.481	
13	20	Contact plate	28.838.040	
13	21	Valve cap (small)	28.906.022	
13	22	Valve cap (large)	28.855.310	
14	23	Nut for electrolytic condenser (small)	07.093.022	
14	24	Nut for electrolytic condenser (large)	07.093.010	
14	25	Valve socket 8 contacts	25.161.921	
14	26	Spindle for R17	28.145.200	
14	27	Spiral spring	28.740.250	
14	28	Holder for dial lamp	28.837.960	
14	29	Driving string	33.635.550	
14	30	Vernier unit (complete with spindle and friction)	28.881.980	
14	31	Spring for vernier unit	25.870.170	
14	32	Bracket for trimmer	28.920.500	
14	33	Arresting ball for wavechange switch	89.205.040	
14	34	Spring for wavechange switch	28.942.260	
14	35	Stator without contacts	28.934.580	
14	36	Rotor without contacts	28.477.210	
		Stator contact	28.750.970	
		Clip for stator contact	28.077.390	
		Conducting cramp	28.077.380	
		Rotor contact 1.1	28.904.160	
		Rotor contact 2.1.2.	28.904.140	
		Rotor contact 3.1.3	28.904.150	
		Mains switch	08.524.260	
		Rivet for fixing mains switch		
		LOUDSPEAKER		
		Clamping ring with incisions	28.445.821	
		Paper ring	28.445.390	
		Protecting cap	28.250.431	
		TOOLS		
1		Service oscillator complete with 2 artificial aerials type G.M. 2830	09.991.260	
3		Insulated screwdriver	09.991.500	
		Right angle screwdriver	09.990.360	
		Adaptation box for outputmeter type G.M. 2295	09.991.310	
5		Universal measuring apparatus type 4256	09.991.030	
6		Universal mounting table	09.991.380	
7		Boxspanner for electrolytic condensers	09.990.760	
		Boxspanner for electrolytic condensers (small size)	09.991.540	
		Jack for coils	09.991.560	
10		Centring gauge	09.991.022	
		Pertinax calipers	09.990.840	

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COILS

Designation	Description	Code-No.	Price
S5	choke	28.546.050	
S6 C6 S7	stop circuit	28.570.260	
S8 C9 S11	aerial coil I	28.570.270	
S12 C11 S13	aerial coil II	28.570.280	
C12 S14 S17	osc. coil I	28.570.290	
C14 S18 S19	osc. coil II	28.570.300	
C17 S20 S21	I.F. coil	28.570.200	
C18 S22 C19	I.F. coil	28.570.210	
S23 S24 C20	I.F. coil	28.570.200	
C47 C48 S25	I.F. coil	28.570.250	
C21 S26 S27	I.F. coil	28.570.230	
C22 C36 S28	I.F. coil	28.570.240	
S29 S30 S31	loudspeaker transformer speech coil filter coil	28.528.110 25.152.420 28.587.000	
S1 S2 S3 S4 S32	mains transformer	28.527.910	

VALVES

L 1	L 2	L 3	L 4	L 5	L 6	L 7	L 8
AK2	AF3	AF3	ABC1	AL 4	AZ 1	8055-99	8055-99

CONDENSERS

Designation	Value	Code No.	Price
C1	32 µF	28.180.130	
C2	32 µF	28.180.130	
C3	50 µF	28.182.160	
C4	0,1 µF	28.198.200	
C5	50000 µµF	28.198.170	
C6	10-170 µµF		
C7	10-470 µµF	28.211.390	
C8	10-470 µµF		
C9	2,5-30 µµF		
C11	2,5-30 µµF		
C12	2,5-30 µµF		
C14	2,5-30 µµF		
C16	10-170 µµF	28.211.150	
C17	10-170 µµF		
C18	10-110 µµF		
C19	10-170 µµF		
C20	10-170 µµF		
C21	10-170 µµF		
C22	10-170 µµF		
C23	50000 µµF	28.198.430	
C24	20000 µµF	28.198.130	
C25	50000 µµF	28.198.170	
C26	100 µµF	28.190.130	
C27	4500/3 µµF	28.190.310	
C29	350 µµF	28.191.390	
C30	50000 µµF	28.198.170	
C31	50000 µµF	28.198.170	
C32	50000 µµF	28.198.170	
C33	50000 µµF	28.198.170	
C34	0,1 µF	28.198.200	
C35	0,1 µF	28.198.200	
C36	2100 µµF		
C37	20000 µµF	28.198.130	
C38	100 µµF	28.190.130	
C39	10000 µµF	28.198.100	
C40	1000 µµF	28.190.230	
C41	1600 µµF	28.190.250	
C42	20000 µµF	28.198.130	
C43	0,1 µF	28.198.200	
C44	0,1 µF	28.199.370	
C45	100 µµF	28.190.130	
C46	50000 µµF	28.198.170	
C47	25 µµF		
C48	125 µµF		
C49	640 µµF	28.190.210	

RESISTANCES					RESISTANCES			
Designation	Value	Code No.	Price		Designation	Value	Code No.	Price
R1	32 Ohm	28.770.100			R16	32000 Ohm	28.770.400	
R2	0,1/2 M. Ohm	28.771.100			R17	0,5 M. Ohm	28.810.760	
R3	32000/2 Ohm	28.771.050			R18	0,125 M. Ohm	28.770.460	
R4	64000/5 Ohm	28.771.080			R19	1,25 M. Ohm	28.770.560	
R5	160 Ohm	28.770.820			R20	1,25 M. Ohm	28.770.560	
R6	0,8 M. Ohm	28.770.540			R22	1.25 M. Ohm	28.770.560	
R7	64000 Ohm	28.770.430			R23	0,2 M. Ohm	28.770.480	
R8	160 Ohm	28.770.170			R24	0,64 M. Ohm	28.770.530	
R9	64 Ohm	28.770.130			R25	50000 Ohm	28.770.420	
R10	50000 Ohm	28.770.420			R26	500 Ohm	28.770.220	
R11	64000 Ohm	28.770.430			R27	50000 Ohm	28.811.020	
R12	1 M. Ohm	28.770.550			R28	50000 Ohm	28.771.070	
R13	0,1 M. Ohm	28.770.450			R29	0,1 M. Ohm	28.770.450	
R14	0,1 M. Ohm	28.770.450			R30	200 Ohm	28.770.180	
R15	1 M. Ohm	28.770.550			R31	1000 Ohm	28.770.250	