

APPENDIX I

THE "AVO" VALVE CHARACTERISTIC METER

Mk. IV.

Schedule of Spare Parts.

INTRODUCTION

Throughout the past decade the Avo Valve Characteristic Meter has proved itself to be unrivalled for versatility and reliability. It is, however, inevitable that this instrument will fail from time to time and, when it does, we are anxious to ensure that it is repaired to the highest possible standard. We have, therefore, produced this schedule of spares which will form a useful guide to the trained engineer who has the task of servicing this instrument.

Procedure for ordering spare parts.

If you will kindly follow the procedure set out below, delays will not occur due to the exchange of unnecessary correspondence.

1. State the part number of the items required, also the quantity.
2. State the serial number of the instrument. This will be found on an identification label attached to the rear of the instrument.

Overseas users of our instruments should send their requirements to our Agents on their territory.

If the spares are required for use in Great Britain, application should be made direct to our Spares Department in London.

MAIN ASSEMBLY. 40699-A

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	40532-3	Back Plate, Case Assembly		1
2	40529-4	End Plate, Case Assembly		2
3	40530-4	End Frame, Main Casting, Case Assembly		2
4	40700-B	Bottom Panel with Hank Bushes, Case Assembly		1
5	40527-B	Valve Panel Assembly complete. See page 32 for breakdown		1
6	40697-A	Front Panel Assembly complete. See page 33 for breakdown		1
7	20676-7	Tray for Valve Data Manual		1
8	20245-2	Spring Dowel (Holding 2 BA inserts in end frame)		6
9	14802-2	Handle Nut (2 BA inserts in end frame)		6
10	14808-2	Handle Screw (Securing handle to end frame)		6
11	40533-2	Handle (Curved anodised)		2
12	14804-1	Rubber Plug (Mounting for valve/bottom panel)		8
13	14803-2	End Plate Bolt (Special mounting bolt for rubber block)		8
14	W22	Washer $\frac{7}{16}$ " BSF for Item 12		8
15	S1544	Inst. Hd. Screw 4 BA x $\frac{3}{8}$ " N.P. (Main case and end plate fixing screw)		16
16	W72	Cup washer for Item 15		16
17	14807-C	Bracket, Case Assembly		2
18	21205-A	Component Board Assembly. See page 36 for breakdown		1
19	40535-B	Transformer Assembly. See page 36 for breakdown		1
20	P.V.C.21	Mains Lead (8 ft.) (specify length required)		1
21	11982-1	Grommet for Mains Lead		1
22	12231-5	Name Plate		2
23	PKS.14	Self Tap Screw No. 2 x $\frac{3}{16}$ " (Secures nameplate)		2
24	14820-1	Ball Catch for hinge rod (Top cover)		1
25	21006-2	Hinge Rod for Valve Base Cover		3
26	12744-4	Bracket securing hinge rod to backplate		1
27	12006-5	Lid grip for Valve Base Cover		1
28	40137-D	Lid Assembly complete. Supplied as assembly		2
29	11237-G	Top Cap Lead		2
30	13763-4	Top Cap Stud (Retains Item 29 when not in use)		3
31	14273-2	Tool Clip (Retains Item 29 when not in use)		2
32	15638-5	Binder for Item 33		2
33	15638-1	Cradle holding cable-form to baseplate		8
34	S202	Ch'se Screw 2 BA x $\frac{5}{8}$ " N.P. Case Assembly Screw		4
35	S203	Ch'se Hd. Screw 2 BA x $\frac{7}{16}$ " N.P.		6
36	S407	Ch'se Hd. Screw 4 BA x $\frac{1}{4}$ " N.P.		8
37	S473	Rd. Hd. Screw 4 BA x $\frac{3}{8}$ " N.P. for holding Item 18		8
38	S608	Ch'se Hd. Screw 6 BA x $\frac{1}{4}$ " N.P. Case Assembly Screws		2
39	S650	Ch'se Hd. Screw 6 BA x $\frac{1}{2}$ " N.P. Holding support for movement mounting		2
40	S643	Rd. Hd. Screw 6 BA x $\frac{1}{4}$ " N.P. (Securing Item 30)		2
41	S808	Rd. Hd. Screw 8 BA x $\frac{1}{8}$ " N.P. for Item 27		3
42	S809	Rd. Hd. Screw 8 BA x $\frac{1}{16}$ " N.P. (Securing Item 30 plug end)		2
43	N.3	Hex. Nut 4 BA N.P.		3

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
44	N6	Hex. Nut 6 BA N.P. for Item 39		8
45	N12	Hex. Lock-Nut 8 BA N.P. (Securing item 30, plug end)		3
46	N84	Adjusting Nut $\frac{1}{16}$ " BSF C.P. (For item 12)		8
47	W3	Washer 4 BA N.P. for items 37/26		4
48	W6	Washer 6 BA N.P. for item 39		4
49	W8	Washers 8 BA N.P. (Securing item 30, plug end)		3
50	40721-1	Cover (polythene)		1

VALVE PANEL ASSEMBLY. 40527-B

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	40692-B	Valve Panel (Bare)		1
2	40140-1	Valveholder. English 9 Pin		1
3	" 2	" " 7 Pin		1
4	" 3	" " American 7 Pin Large		1
5	" 4	" " American 4 Pin		1
6	" 5	" " English 4/5 Pin		1
7	" 6	" " American 5 Pin		1
8	" 7	" " English 8 Pin		1
9	" 8	" " American 8 Pin		1
10	" 9	" " American 6 Pin		1
11	" 10	" " 8 Pin Side Contact		1
12	" 11	" " B8A		1
13	" 14	" " B7G		1
14	15696-1	Valveholder Washer, for Item 11		1
15	10281-1	" " B9G		1
16	40140-16	" " B8G		1
17	10509-1	" " 3 Pin (Diode)		1
18	40140-19	" " B9A		1
19	" 20	" " American 7 Pin Small		1
20	" 22	" " B8D		1
21	15627-1	Plug for Item 20		1
22	21199-A	Holder Assembly for Flying Lead Valveholder		3
23	15617-2	Overlay. Label for Flying Lead Valveholder		1
24	15626-2	Bracket (Securing Item 22)		6
25	15625-1	Mounting Plate for Item 26		1
26	14555-1	Socket. Rubber cup under Flying Lead Valveholder		1
27	20989-2	Front Support Bar		1
28	20990-2	Rear Support Bar		1
29	14805-2	Pillar, stand off, panel to support bars		6
30	11996-A	Tag Board Assembly (Connecting top panel to main assembly)		2
31	20903-B	Top Cap Escutcheon Assembly. See page 40 for breakdown		1
32	20919-2	Top Cap Label (Grid, cathode, etc.)		1
33	14747-1	Ferrox Bead (anti-oscillation, used on wiring)		44
34	40166-2	Cover for roller selector switch		1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
35	40157-B	Roller Selector Switch Assembly (Supplied as assembly)		1
36	10511-5	Cap, rear, for Item 17		1
37	N6	Hex. Full Nut 6 BA N.P.		12
38	N62	Hex. Full Nut 4 BA Tin Plt.		8
39	N13	Hex. Nut 10 BA N.P. (Securing item 20)		2
40	S642	Rd. Hd. Screw 6 BA $\frac{3}{8}$ " N.P.		12
41	S661	Rd. Hd. Screw 6 BA $\frac{3}{8}$ " N.P.		10
42	S725	C'sk Hd. Screw 6 BA x $\frac{1}{4}$ " T.P.		2
43	S1001	Rd. Hd. Screw 10 BA x $\frac{1}{4}$ " (Securing item 20)		2
44	S1524	Ch'se Hd. Screw 4 BA x $\frac{9}{16}$ " Tin Plt.		6
45	W4	Washer 5 BA N.P.		2
46	W5	Washer 6 BA N.P.		18
47	W20	Washer 10 BA N.P.		2
48	W66	Washers 4 BA Tin Plt.		4
49	30008-48	Washer used on Item 13		2
50	R88	Eyelet $\frac{1}{16}$ " used on items 14 and 18		4
51	R95	Eyelet $\frac{3}{32}$ " x .125" dia. (Secures Item 13)		2
52	R96	Eyelet $\frac{1}{8}$ " x .148" dia. (Secures Item 2-9/15/16/19)		22
53	R97	Eyelet $\frac{1}{8}$ " x .125" dia. (Secures Item 10)		2

FRONT PANEL ASSEMBLY 40697-A

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	15621-1	Drive Ring mA/V Grid pots		2
2	15620-2	Friction Disc " " "		2
3	15622-2	Friction Collar " " "		2
4	21203-1	Range dial mA/V range switch		1
5	21203-2	Range dial grid range switch		1
6	15623-1	Dial bush. Securing items 4/5 to switch spindle		2
7	20245-52	Spring dowel for item 6		2
8	15619-1	Adjusting plate for pot/dial alignment		4
9	21027-17	Switch mA/V		1
10	21207-16	Switch grid		1
11	14558-9	Potentiometer 10K Ω mA/V		1
12	14558-9	Potentiometer 10K Ω grid		1
13	14822-4	Switch anode volts		1
14	21202-3	Overlay mA/V		1
15	21202-2	Overlay grid		1
16	13483-58	Pillar holding mounting plate item 17/18		8
17	21201-B	Mounting plate mA/V. See page 39 for breakdown		1
18	21201-A	Mounting plate grid. See page 39 for breakdown		1
19	15623-2	Dial bush		2
20	40650-F	Movement assembly complete. See page 37 for breakdown		1
21	21204-2	Dial mA/V Pot		1
22	21204-1	Dial grid Pot		1
23	15630-2	Spring compression, holding items 2/24		2
24	15624-2	Drive collar mA/V—grid pot control		2

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
25	15220-E	Knob assembly, less skirt mA/V—grid pot control. See page 39 for breakdown		2
26	15220-A	Knob assembly with skirt. See page 38 for breakdown...		11
27	20993-1	Switch heater volts (tens)		1
28	14822-4	Switch screen volts		1
29	20994-1	Switch heater volts (units)		1
30	13657-1	Toggle switch mains		1
31	14558-5	Potentiometer backing off coarse 250Ω	R.V.2.	1
32	14558-4	Potentiometer backing off fine 25Ω	R.V.1.	1
33	14812-1	Dial light holder for item 34		1
34	50010-14	Bulb 6.5V .3 amp.	L.P.1.	1
35	20994-1	Switch set c/s		1
36	13657-1	Toggle switch A1, A2, Normal		1
37	20996-1	Switch electrode selector		1
38	20992-1	Switch leakage		1
39	40696-1	Front panel (bare)		1
40	20997-1	Switch meter		1
41	20991-1	Switch Circuit Selector		1
42	14750-2	Pillars, spacing, fixing item 43 to front panel		4
43	14810-4	Movement board		1
44	12075-4	Bracket for item 43		2
45	20006-2	Gasket for movement assembly		1
46	15698-2	Window mask (mA/V—grid windows)		2
47	15697-2	Mask pillar for item 46		2
48	15638-2	Cradle holding 8-F condenser item 68		1
49	15638-7	Binder for item 48		1
50	11310-A	Tag board assembly for switch connections items 9 and 10. See page 39 for breakdown		2
51	14941-8	Spacer between item 50 and item 39		4
52	13659-7	Cable clip on item 50		1
53	10266-1	Tag 2BA		2
54	N3	Hex. nut 4BA		1
55	N6	Hex. Nut 6BA		6
56	R61	Rivet .090"/.094" dia. x $\frac{11}{16}$ ". Fixing item 6/16 to items 4/5/21/22		12
57	S407	Cheese head screw 4BA x $\frac{1}{4}$ " nickel plated		9
58	S461	Round head screw 4BA x $\frac{3}{8}$ " nickel plated steel		15
59	S477	Cheese head screw 4BA x $\frac{1}{4}$ "		1
60	S602	Cheese head screw 6BA x $\frac{1}{2}$ " nickel plated		2
61	S603	Cheese head screw 6BA x $\frac{5}{8}$ " nickel plated		4
62	S606	Cheese head screw 6BA x $\frac{3}{4}$ "		2
63	S813	Cheese head screw 8 BA x $\frac{1}{16}$ " nickel plated		4
64	AS23	Socket grub screw 4BA x $\frac{3}{16}$ " securing item 1		8
65	W3	Washer 4BA nickel plated		25
66	W5	Washer 6BA		8
67	W8	Washer 8BA nickel plated		4
68	15581-5) 15581-6)	Silicon diode. See note on page 36	REC.7.	1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
69	12049-404	Condenser 8 μ F	C.1.	1
70	12049-443	Condenser .01 μ F, 250V	C.2.	1
71	12049-731	Condenser 8 μ F 12V reversible	C.3.	1
72	14709-A	Resistor 200 Ω \pm .5%	R36.	1
73	12049-421	" 300 Ω " 1%	R5.	1
74	12049-250	" 470 Ω " 10%	R45.	1
75	12049-401	Resistor 500 Ω \pm 2 $\frac{1}{2}$ % Vit	R37.	1
76	12049-389	" 600 Ω " 2%	R18.	1
77	" 422	" 760 Ω " 2%	R2.	1
78	" 422	" 760 Ω " 2%	R39.	1
79	" 423	" 1860 Ω " 1%	R4.	1
80	" 424	" 2K Ω " 1%	R3.	1
81	" 425	" 2.5K Ω " 1%	R7.	1
82	" 425	" 2.5K Ω " 1%	R8.	1
83	" 425	" 2.5K Ω " 1%	R9.	1
84	" 425	" 2.5K Ω " 1%	R10.	1
85	" 425	" 2.5K Ω " 1%	R11.	1
86	" 425	" 2.5K Ω " 1%	R12.	1
87	" 425	" 2.5K Ω " 1%	R13.	1
88	" 425	" 2.5K Ω " 1%	R14.	1
89	" 426	" 2.9K Ω " 1%	R31.	1
90	" 390	" 3K Ω " 2%	R17.	1
91	" 427	" 3.54K Ω " 1%	R15.	1
92	" 397	" 4.35K Ω " 2%	R27.	1
93	" 428	" 6.8K Ω " 1%	R32.	1
94	" 385	" 10K Ω " 2%	R34.	1
95	" 386	" 10K Ω " 1%	R35.	1
96	" 391	" 15K Ω " 2%	R16.	1
97	" 701	" 16.8K Ω " 1%	R41.	1
98	" 429	" 21.8K Ω " 1%	R30.	1
99	" 95	" 24.K Ω " 10% Vit.	R38.	1
100	" 420	" 25.6 Ω " 1%	R6.	1
101	" 703	" 25.9K Ω " 1%	R43.	1
102	" 396	" 31.5K Ω " 2%	R26.	1
103	" 702	" 37.9K Ω " 1%	R42.	1
104	" 700	" 51.8K Ω " 1%	R20.	1
105	" 241	" 56K Ω " 5% Vit.	R33.	1
106	" 430	" 59.6K Ω " 1%	R29.	1
107	" 395	" 100K Ω " 2%	R25.	1
108	" 394	" 202K Ω " 2%	R24.	1
109	" 431	" 249K Ω " 1%	R28.	1
110	" 393	" 406K Ω " 2%	R23.	1
111	" 392	" 814K Ω " 2%	R22.	1
112	" 432	" 1.22M Ω " 2%	R21.	1
113	" 433	" 2.96M Ω " 1%	R19.	1
114	" 434	" 3.9 Ω " 20%	R47.	1
115	" 632	" 10K Ω " 2%	R46.	1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
116	30008-77	Washer for incremental drive $\frac{7}{8}'' \times \frac{1}{16}''$ 0.535" hole ...		1
117	13659-5	Cable Clip $\frac{1}{4}''$		2

*Note re: DIODES—Should any faults develop with diodes, replacements should be made with two off, diode type 2E4 part number 15581-11.

COMPONENT BOARD ASSEMBLY 21205-A

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	21200-3	Component board bare		1
2	12049-244	Resistor $100K\Omega \pm 10\%$	R1.	1
3	" 244	" $100K\Omega$ " 10%	R40.	1
4	10770-32	Potentiometer $5K\Omega$	RV4.	1
5	10770-32	Potentiometer $5K\Omega$	RV6.	1
6	12049-704	Rectifier 1/6 Amp.	REC.1	
7	15581-1}	Silicon diode See note above	REC.3-4	1
8	15581-6}	Silicon diode		
9	15581-7}	Silicon diode See note above	REC.5-6.	
10	15581-7}	Silicon diode		
11	13935-4	Washer for item 5		2
12	13935-2	Spindle lock for item 5		2
13	13062-2	Link		1
14	10944-2	Pillar Tags		14
15	15628-2	Bracket, mounting board assembly		2
16	13834-A	Knob, slotted terminal pattern		2
17	14242-4	Socket, threaded for item 16		2
18	14247-2	Spring washer for item 17		2
19	14243-2	Hex. nut for item 17... ..		2
20	14657-2	Link between item 16		1
21	N3	Hex. nut 4BA nickel plated... ..		4
22	N6	Hex. nut 6BA nickel plated... ..		1
23	N7	Hex. lock nut 6BA		1
24	PKS4	Self tapping screw		2
25	S420	Cheese head screw 4BA $\frac{7}{16}''$ nickel plated		4
26	S644	Round head screw 6BA $\frac{1}{2}''$ nickel plated		1
27	W1	Washer 2BA nickel plated		1
28	W3	Washer 4BA nickel plated		4
29	W5	Washer 6BA nickel plated		1
30	10040-1	Tag		2

TRANSFORMER ASSEMBLY 40535-B

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	21002-D	H.T. and Grid Transformer. Supplied only as complete assembly		1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
2	21029-B	Grid Transformer assembly. Supplied only as complete assembly		1
3	21005-B	L.T. Transformer assembly. Supplied only as complete assembly		1
4	40466-B	Relay assembly. See page 39 for breakdown		1
5	14809-2	Pillar, support for item 4		4
6	11673-3	Pillar, support for items 7 and 8		2
7	21000-2	Rear transformer bar		1
8	20999-2	Front Transformer bar		1
9	15029-D	Fuse board assembly. See page 40 for breakdown		1
10	13659-1	Insuloid Clip, securing lead cable form		2
11	20998-C	Bracket securing items 7/8 to base plate		2
12	N1	Hex. Nut 2BA nickel plated		4
13	N62	Hex. Nut 4BA tin plated		24
14	S203	Cheese head screw 2BA x $\frac{7}{16}$ " nickel plated		4
15	S420	Cheese head screw 4BA x $\frac{7}{16}$ " nickel plated		10
16	W66	Washer 4BA tin plated		4

MOVEMENT AND CASE ASSEMBLY 40650-F

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	40537-2	Front case		1
2	40538-B	Rear case		1
3	Misc. 139	Rubber approx. 16" sealing items 1 and 2		1
4	12730-2	Front case glass		1
5	14823-2	Hex. stud. Securing items 1 and 2		4
6	15327-2	Round nut 6BA for item 5		4
7	10054-1	Movement zero adjuster		1
8	10077-4	Main fixing stud 2BA		2
9	10064-1	Tag for item 8		2
10	40651-C	Basic movement assembly. See below for breakdown		1
11	N2	Hex. lock nut 2BA		2
12	N4	Hex. lock nut 4BA		3
13	S751	Inst. Head screw 6BA x $\frac{1}{4}$ " Brass nickel plated		1
14	30006-W	Wound bobbin swamp 900 Ω approx.		1
15	15438-2	Magnetic shunt		1
16	12927-1	Movement end stops		2
17	30008-10	Washer for swamp bobbin		1
18	15440-1	Hex. pillar support for item 10		2
19	S401	Cheese head screw 4BA x $\frac{7}{8}$ "		1
20	S804	Cheese head screw 8BA x $\frac{1}{2}$ "		2

BASIC MOVEMENT ASSEMBLY 40651-C

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	14824-4	Scale plate		1
2	15439-1	Mounting plate for item 1		1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
3	15301-1	Magnet		1
4	21122-2	Support plate for item 3		1
5	15303-2	Concentrator		1
6	15296-2	Pole piece		1
7	21121-1	Concentrator support		1
8	21124-D	Moving coil assembly. See below for breakdown		1
9	21123-2	Yoke		1
10	15436-1	Zero adjuster		1
11	15437-1	Movement support pillar		2
12	10184-B	Sprung jewel assembly		2
13	10190-1	Insulator, bush for rear hairspring tag		1
14	10188-2	Lock nut for item 13		1
15	10191-3	Rear hairspring tag		1
16	10069-1	Spring washer for item 10		1
17	10197-2	Lock nut for item 16		1
18	10189-1	Washer for item 15		2
19	10358-2	Tag for movement connection		1
20	N4	Hex. lock nut 4BA		2
21	N11	Hex. nut 8BA		2
22	S802	Cheese head screw 8BA x $\frac{1}{8}$ " nickel plated		1
23	S804	Cheese head screw 8BA x $\frac{1}{8}$ " nickel plated		2
24	S824	Cheese head screw 8BA x $\frac{3}{8}$ " nickel plated		1
25	S877	Inst. head screw 8BA x $\frac{3}{16}$ " nickel plated		2
26	S882	Cheese head screw 8BA x $\frac{11}{16}$ " nickel plated		2
27	S886	Cheese head screw 8BA x $\frac{3}{8}$ " nickel plated		1
28	W8	Washer 8BA nickel plated		2

MOVING COIL ASSEMBLY 21124-D

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	15304-3	Moving coil bare		1
2	10161-1	Pivot plate		1
3	10159-1	Pivot holder		2
4	10084-1	Tag, for hairsprings		2
5	10162-1	Pad for items 2 and 8		4
6	10158-2	Pivots .020"		2
7	10075-16	Hairspring		2
8	15300-1	Pointer plate		1
9	15433-1	Pointer		1

KNOB ASSEMBLY 15220-A

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	14267-1	Knob		1
2	14268-4	Knob skirt, silver with marker line		1
3	14266-6	Knob carrier		1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
4	14269-4	Retaining nut...		1
5	15066-2	Knob washer, between items 2 and 4		1
6	20245-52	Spring dowel $\frac{9}{16}$ " x $\frac{1}{8}$ " dia.		1
7	S745	Screw, knob securing		1
8	W39	Spring washer. 6BA phos. bronze, double coil		1

KNOB ASSEMBLY 15220-E

1	14267-1	Knob ...		1
2	14670-2	Knob carrier ...		1
3	20245-52	Spring dowel $\frac{9}{16}$ " x $\frac{1}{8}$ " dia.		1
4	S745	Screw, knob securing		1
5	W39	Spring washer. 6BA phos. bronze, double coil		1

MOUNTING PLATE, "GRID VOLTS" 21201-A

1	15618-1	Control mounting plate		1
2	14606-3	Hex. hank bushes		2

MOUNTING PLATE "MA/V" 21201-B

1	15618-1	Control mounting plate		1
2	14606-3	Hex. hank bushes		2

TAG BOARD ASSEMBLY 11310-A

1	11297-1	Tag board		1
2	10040-3	Tags		8

RELAY ASSEMBLY 40466-B

1	40466-24	Relay board tagged		1
2	14655-2	Nyloc anchor plate		1
3	14548-4	Contact		1
4	14650-A	Contact screw		1
5	14643-2	Armature bare		1
6	10466-2	Armature contact		1
7	11832-5	Split pin for items 8 and 9		2
8	14648-2	Spring, compression, armature holding		1
9	14644-2	Spring retainer for item 8		2
10	14646-2	Armature spring pull-on/off		1
11	14642-2	Pole piece		1
12	20885-G	Wound bobbin		1
13	20885-B	Wound bobbin, pair, nearest item 1		2
14	14645-2	Armature retainer		1
15	13658-2	Anchor plate		1
16	10358-1	Tag for item 2		1
17	14646-2	Contact spring (Leaf)		1

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
18	N58	Hex. stiff nut 4BA ...		1
19	N81	Hex. nut 8BA tin plated ...		4
20	S723	Cheese head screw 6BA x $\frac{1}{4}$ " tin plated ...		4
21	S866	Cheese head screw 8BA x $\frac{5}{16}$ " tin plated ...		4
22	S1527	Cheese head screw securing item 15 4BA x $\frac{5}{8}$ " tin plated ...		1
23	W54	Washer 6BA (Spring) ...		2
24	W69	Washer 8BA tin plated ...		4
25	15637-1	Copper pole piece ...		1
26	15581-5 15581-6	Silicon diode. See note on page 36 ...	REC.2.	1
27	12049-473	Resistor 2.2K $\Omega \pm 5\%$ vit. ...	R44.	1

FUSE BOARD ASSEMBLY 15029-D

Item No.	Part No.	Description	Circuit Ref.	Qty. Off.
1	15026-6	Fuse board ...		1
2	12239-7	Fuse clip ...		8
3	R102	Eyelets for item 2 ...		8
4	12239-3	Fuse 3A ...	Fl.	1
5	10040-3	Tags ...		2
6	10064-1	Tag 4BA ...		1
7	15699-2	Bracket ...		2
8	N3	Hex. nut 4BA nickel plated ...		4
9	S409	Cheese head screw 4BA x $\frac{5}{8}$ " nickel plated ...		2
10	W3	Washer 4BA nickel plated ...		2

TOP CAP ESCUTCHEON ASSEMBLY 20903-B

1	40467-1	Top cap escutcheon ...		1
2	14661-1	Sockets plain. "CLIX" Part No.: S309 ...		9
3	14242-4	Sockets threaded ...		4
4	14657-2	Link ...		2
5	13834-A	Knob link securing ...		4
6	14243-2	Hex. nut locking item 5 ...		4
7	14247-3	Spring washer for item 5 and 6 ...		4
8	14656-1	Spring ...		2
9	N7	Hex. lock nut 6BA nickel plated ...		4
10	S661	Round head screw 6BA x $\frac{5}{16}$ " nickel plated ...		2