

Chapter 10

SUPPRESSORS

LIST OF ILLUSTRATIONS

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1. The table overleaf gives details of various types of radio interference suppressors in Service. In most types, the inductances and condensers can be removed from the case as a complete unit for inspection or repair. Some suppressors which carry a high current have no input choke, the impedance of the interfering source and wiring being utilized in its place. General information on suppression of radio interference will be found in A.P.4343, Vol. 1, Sect. 12.

2. All suppressors listed are individual types, which are fitted externally to the equipment concerned. In certain instances a suppressor may be built into the equipment; it is then considered to be an integral part of that particular item, and will not be found in the table.

3. Representative types of suppressors are illustrated in fig. 1 to 8. All have been shown with the cover removed, and in certain instances the inductances and condensers have been removed complete from the case.

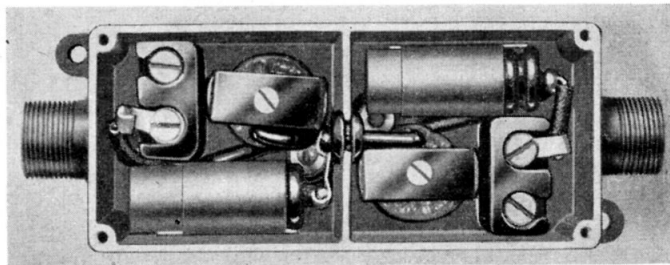


Fig. 1. Suppressor, Type B4

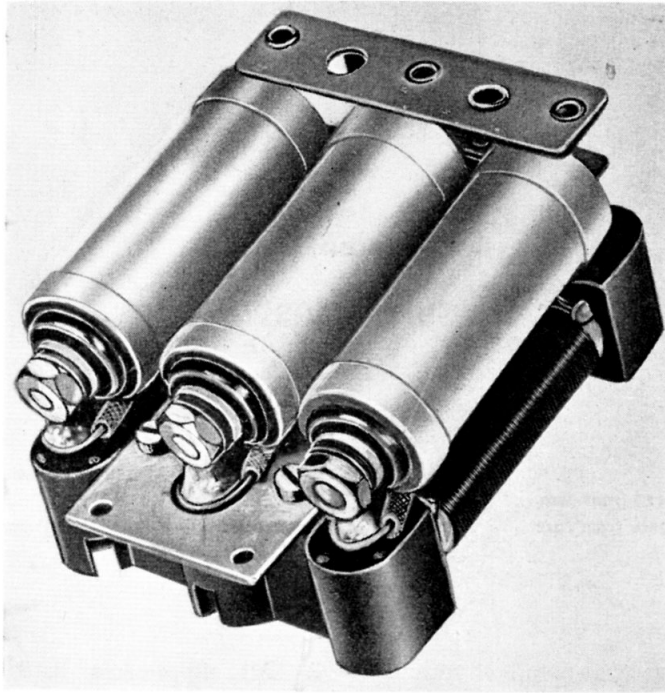


Fig. 2. Suppressor, Type F2, removed from case

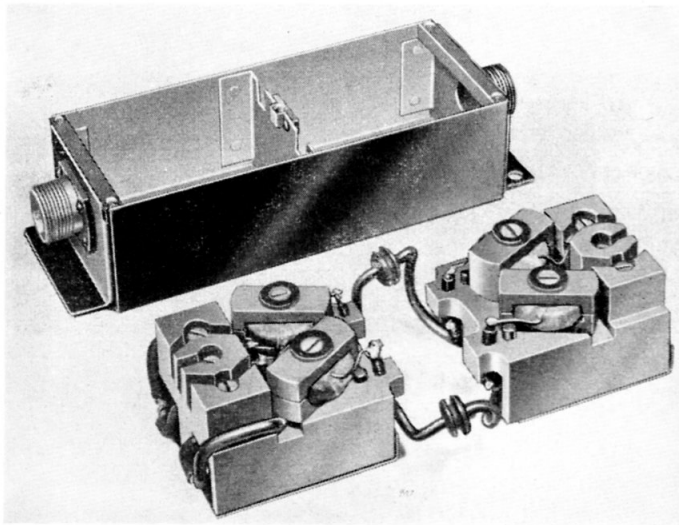


Fig. 3. Suppressor, Type G2, removed from case

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Type	Stores Ref. SCY/-	Number of legs	Max. current rating (amp.)	Volt drop per leg at rated current	Nominal circuit voltage	Approx. weight (lb.)	Approx. overall dimensions (including projections) (in.)	Remarks
B1	870	2	10	0.4	24	2	5.4 × 4 × 2.1	Obsolescent use B5
B4	2866	1	10	0.225	24	0.6	4.8 × 3 × 1.3	Earth terminal provided
B5	4317	2	10	0.225	24	0.94	4.7 × 3.4 × 1.6	Two earth terminals provided
B6	5169	1	6	0.34	120 d.c.	—	5.7 × 1.55 × 1.7	
D	873	2 + 1	10 + 2.5	0.39 + 0.59	24	3.5	5.5 × 5.5 × 2.4	Obsolescent
F2	2682	3	1	0.65	24	1.0	4.3 × 2.9 × 2	
F3	5191	5	0.5	2.25	120 d.c.	.56	4.9 × 2.1 × 1.4	
F4	—	2	0.5	2.25	120 d.c.	.4	5.2 × 1.4 × 1.4	Earth terminal provided
F5	4623	4	1	0.196	24	0.7	6.3 × 2.7 × 1.26	
G2	4316	2	2	0.8	115 a.c./ d.c.	0.94	4.7 × 3.4 × 1.6	
G3	—	1	2	0.8	115 a.c./ d.c.	0.375	4.65 × 1.59 × 1.4	Earth terminal provided
G4	—	2	1	0.43	24	—	4.65 × 1.2 × 1.55	
G5	5151	6	1	0.43	24	—	4.75 × 2.4 × 2.1	
H2	1005	2 + 1	20 + 5	0.24 + 0.21	24	3.625	7.8 × 6.3 × 2.8	Obsolescent
L	924	3 + 1	40 + 5	0.2 + 0.04	24	8.5	9.8 × 9.7 × 2.3	Obsolescent
M	932	2	5	0.55	24	1.6	7.7 × 4.1 × 1.7	Obsolescent
01	968	2 + 1	40 + 5	0.2 + 0.04	24	6.8	9 × 7.3 × 2.3	Obsolescent
02	2967	2	30	0.1	24	2	6.7 × 2.7 × 2.6	
03	3866	1	30	0.09	24	0.94	5.5 × 3.75 × 2.5	Earth terminal provided
C4	3956	1 d.c. 2 a.c.	30 3	0.1 0.6	24 d.c. 115 a.c.	—	—	
P1	1002	2	5	0.45	24	1.1	4.9 × 3.6 × 1.7	
P2	2681	2	5	0.45	24	0.75	5 × 3.5 × 1.5	Obsolescent
P3	2857	1	5	0.45	24	0.5	4.7 × 2.2 × 1.5	
U1	1307	3	30	0.275	24	5.69	10.2 × 6.3 × 2.7	Obsolescent
U2	3763	3	30	0.275	24	5.69	10.2 × 6.3 × 2.7	Obsolescent
V	2154	4	20	0.24	24	8	11.3 × 8.5 × 4.4	Obsolescent

Type	Stores Ref. 5CY/-	Number of legs	Max. current rating (amp.)	Volt drop per leg at rated current	Nominal circuit voltage	Approx. weight (lb.)	Approx. overall dimensions (including projections) (in.)	Remarks
W	1614	2 + 1	100 + 5	0.13 + 0.45	24	9.5	10.7 × 7.4 × 3.3	Obsolescent, use W2 with adapter plate (5CY/3086)
W2	3001	2 + 1	100 + 7	0.085 + 0.44	24	9.3	10.4 × 5.2 × 3.2	
X1	2100	2 + 1	200 + 15	0.08 + 0.227	24	13.37	14.31 × 5.9 × 3.8	
X3	3084	1 + 1	200 + 15	0.08 + 0.227	24	6.75	9.1 × 5.8 × 3.8	
Y1	2605	2 + 1	60 + 7	0.1 + 0.49	24	4.25	8.3 × 4.4 × 3.6	
Y2	2741	2	60	0.1	24	3.93	8.3 × 4.4 × 3.6	Obsolescent
Y3	3085	1 + 1	60 + 7	0.1 + 0.49	24	2.75	8.3 × 3.7 × 3.4	
Y5	3867	1	60	0.075	24	1.82	6.75 × 3.5 × 2.6	

For ground use only

S	5G/2220	2	2.5	0.85	250 a.c.	2.125	13.25 × 3.25 × 3.25	Obsolescent
Y4	5G/446	2	50	0.45	250 a.c.	9.31	14 × 4.4 × 3.5	

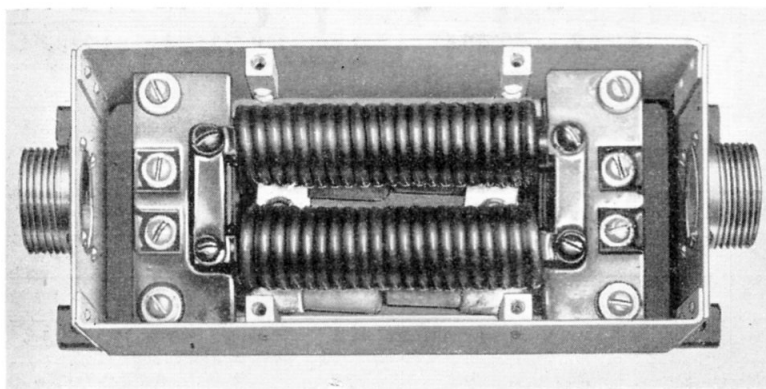


Fig. 4. Suppressor, Type O2

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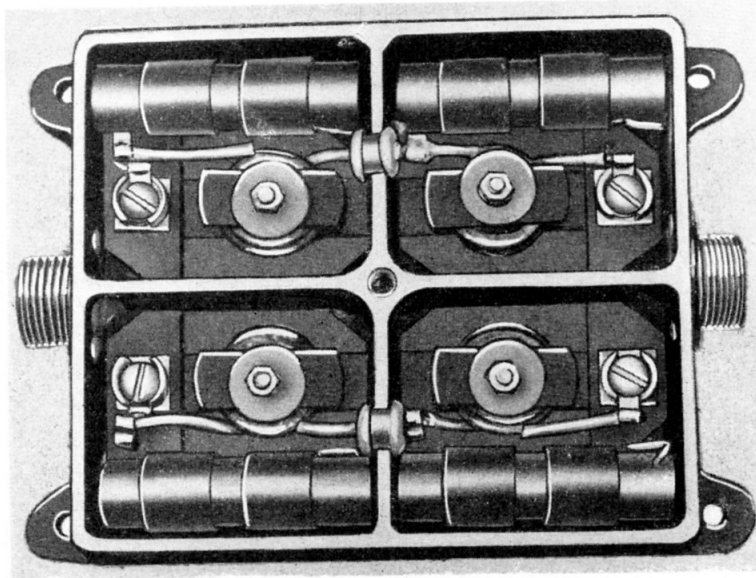


Fig. 5. Suppressor, Type PI

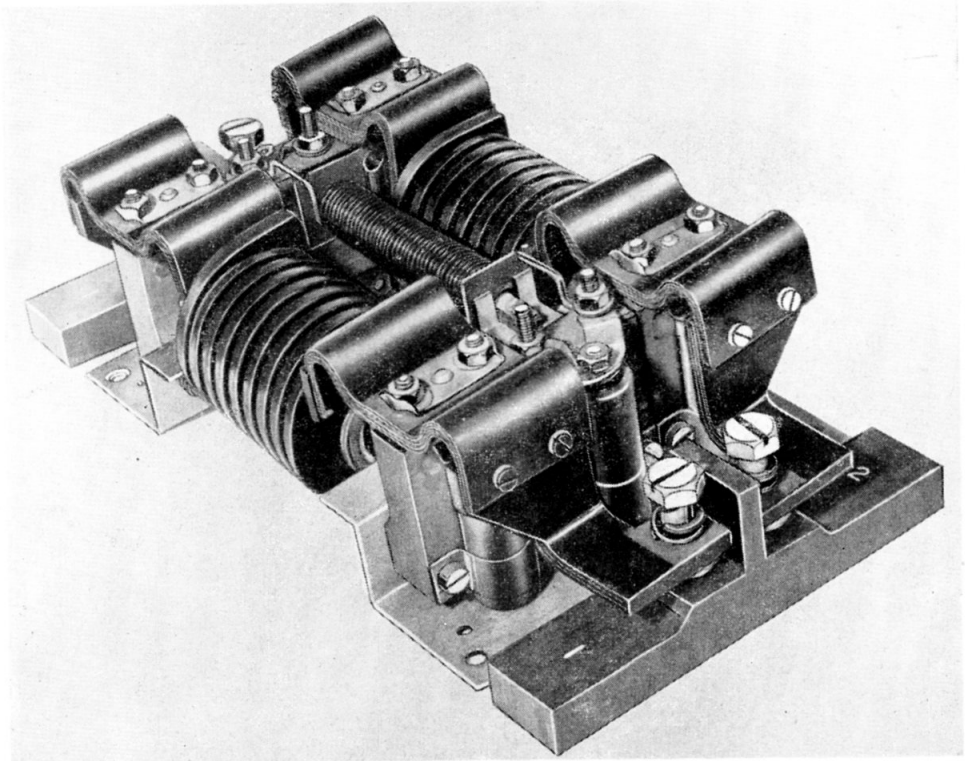


Fig. 6. Suppressor, Type XI, removed from case

(A.L.51, Dec. 55)

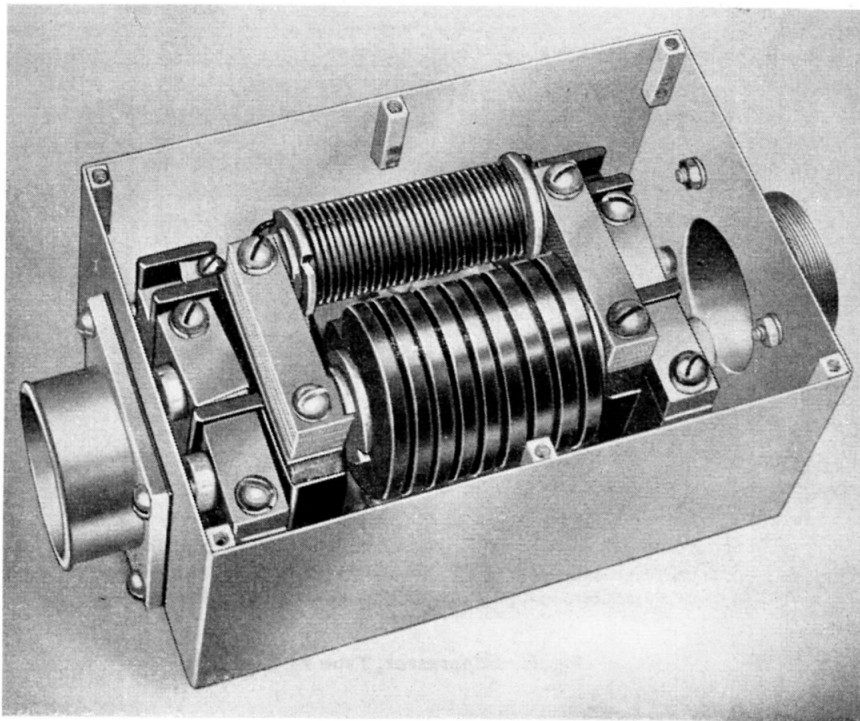


Fig. 7. Suppressor, Type X3

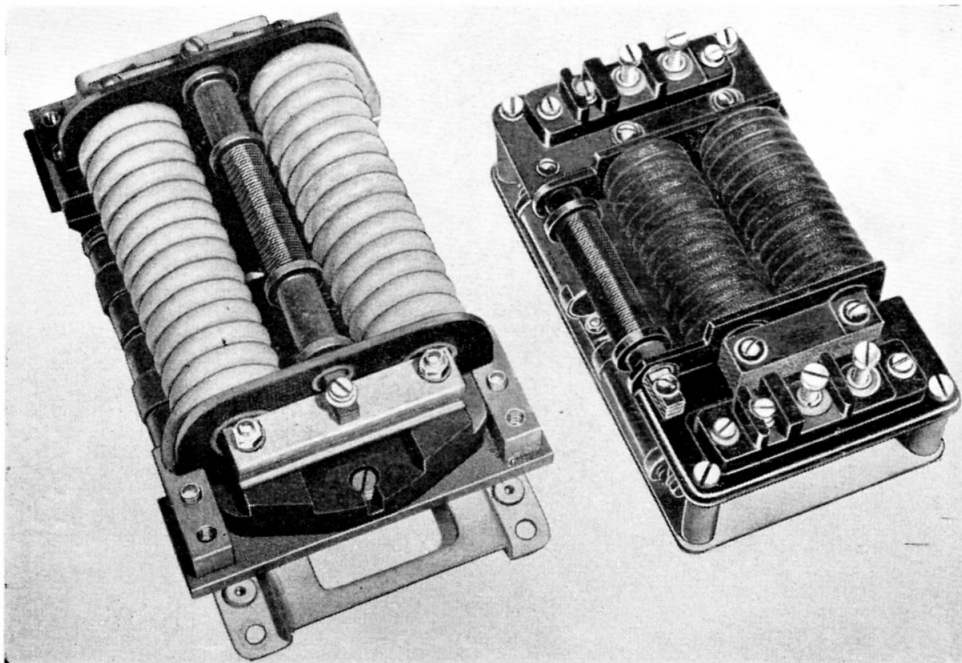


Fig. 8. Suppressors, Types W2 (left) and Y1 (right), removed from case

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