



Model 3 Dwarf Signal Detail Parts

**Model 3 Dwarf Signal
Detail Parts**

Drawing references are shown for convenience in checking shipping lists and invoices.

Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
A	Solenoid Frame Complete as shown for 45° Model 3 Dwarf Signal	
B	Solenoid Frame Complete as shown for 60° Model 3 Dwarf Signal	12449
C	Solenoid Frame Complete as shown for 90° Model 3 Dwarf Signal	12450
1	Roller Pin, $\frac{3}{8}$ " x $1\frac{13}{32}$ ", for Operating Jaw Fig. 3 as shown.....	7388
2	Roller for Operating Jaw as shown.....	7403
3	Operating Jaw for use with either 45° or 60° Spectacle.....	9020
3a	Operating Jaw for use with 90° Spectacle.....	7418
4	Indication Contact Arm as shown.....	7382
5	Cotter Pin, $\frac{3}{32}$ " x $\frac{3}{4}$ ", for Indication Contact Arm Fig. 4.....	036
6	Circuit Breaker Frame as shown.....	7374
7	Nut $\frac{1}{4}$ "-24 x $\frac{1}{2}$ " sq for Bolt Fig. 9.....	3893
8	Lock Washer, $\frac{1}{4}$ ", for Nut Fig. 7.....	1925
9	Bolt, $\frac{1}{4}$ "-24 x $6\frac{3}{8}$ " for fastening Frame Fig. 6 to Solenoid Cap Fig. 15.....	3654
10	Core as shown.....	1554
11	Residual Cap for Core Fig. 10.....	1555
12	Solenoid Tube as shown.....	4257
13	Plunger as shown for Solenoid Frame Comp. Figs. A, B or C	3390
14	Restoring Spring as shown for use with 45° Spectacle.....	33908
14a	Restoring Spring as shown for use with either 60° or 90° Spectacle	2577
15	Solenoid Cap as shown.....	7384
16	Solenoid Yoke for Lower Cores Fig. 13.....	7385
17	Cotter Pin, $\frac{3}{16}$ " x $1\frac{3}{4}$ " for fastening Yoke Fig. 16 to Lower Cores Fig. 13.....	045
18	Operating Rod for use with 45° Spectacle.....	33907
18a	as above. except for use with 60° Spectacle.....	9019
18b	same as Fig. 18, except for use with 90° Spectacle.....	7419
19	Operating Collar as shown.....	7402
20	Pin for fastening Collar Fig. 19 to Operating Rod Fig. 18.....	7399
21	Stud for fastening Circuit Breaker Frame Fig. 6 to Post.....	7711

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22	Nut, $\frac{1}{2}$ "-13 x $\frac{1}{4}$ " thick hex., for Stud Fig. 21	7244
23	Screw, $\frac{3}{8}$ "-16 x $1\frac{1}{4}$ " fl. hd., for fastening Cap Fig. 15 to Post	2473
24	Bolt, $\frac{1}{4}$ "-24 x $1\frac{7}{16}$ " sq. hd., for Contacts	21713
25	Nut, $\frac{1}{4}$ "-24 x $\frac{3}{16}$ " thick hex., for Bolts Figs. 24, 32 and 35	20098
26	Connecting Link for Bolts Figs. 24 and 32	7381
27	Insulating Washer as shown for Bolts Figs. 24, 32 and 35	6704
28	Insulating Bushing for Bolts Figs. 24 and 35 as shown	7391
29	Insulating Block as shown for Bolts Figs. 24 and 35	7371
30	Insulating Bushing for Bolt Fig. 32 as shown	7372
31	Washer, $\frac{1}{4}$ ", for Bolts Figs. 32 and 35 as shown	1225
32	Bolt, $\frac{1}{4}$ "-24 x $3\frac{3}{4}$ " headless, as shown	7411
33	Contact Spring (long), as shown	7379
34	Contact Spring (short), as shown	7710
35	Bolt, $\frac{1}{4}$ "-24 x $1\frac{15}{16}$ " sq. hd., for Contacts as shown	7390
36	Retaining Coil as shown	4254
37	Operating Coil as shown	4255
38	Fibre Washer for Coils Figs. 36 and 37	1567
39	Pin, for Control Contact Arm Fig. 41	7392
40	Pin, $\frac{1}{16}$ " x $\frac{1}{2}$ ", for fastening Pin Fig. 39 to Control Contact Arm Fig. 41	7425
41	Control Contact Arm as shown	7383
42	Contact Collar used on Indication Contact Arm Fig. 4 and Pin Fig. 39	12390
43	Pin, $\frac{1}{4}$ " x $2\frac{1}{2}$ ", shaft for Arm Fig. 41	7386
44	Cotter Pin, $\frac{3}{32}$ " x $\frac{1}{2}$ ", for Pin Fig. 43	034
45	Filler Block for 45° Signal	33909
45a	Filler Block for 60° Signal	9056
46	Flexible Conduit Complete as shown. Includes Bushings, Nuts, Screws and Conduit. (1-46a, 2-47, 2-48, 2-49)	42387
46a	Flexible Conduit only as shown for Fig. 46	44951

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GENERAL RAILWAY SIGNAL COMPANY

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Fig. No.	Name	Drawing Reference
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47	Bushing as shown for Bushing Fig. 49.	0456
48	Lock Nut, $\frac{3}{4}$ " hex., for Bushing Fig. 49.	0826
49	Bushing Complete as shown with one Screw, No. 14-24 x $\frac{1}{2}$ " rd. hd.	43369
50	Crank for operating 60° Spectacle.	9018
50a	Crank for operating 90° Spectacle.	7398
51	Crank for operating 45° Spectacle.	42128
52	Headless Screw for fastening Cranks Figs. 50 and 51 to Shaft. .	12250
53	Nut, $\frac{5}{8}$ "-11 hex, for Shaft as shown.	1318
54	Washer for Shaft as shown.	6565
55	Shaft Complete for operating 60° Spectacle.	9078
55a	Shaft Complete for operating 90° Spectacle.	9079
56	Woodruff Key, $\frac{1}{4}$ " x 1" for Shaft as shown.	0402
57	Shaft Complete for 45° R. S. A. Spectacle shown on Plate H1812.	
58	Cotter Pin, $\frac{1}{8}$ " x $1\frac{3}{4}$ ", as shown.	0780
59	Bushing for Shaft as shown.	21954