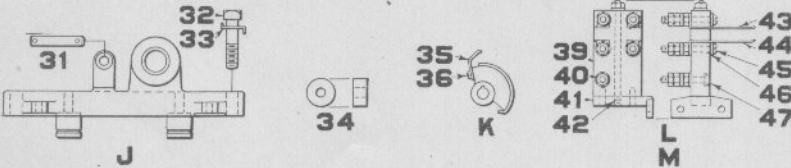


A - FOR 45°
B - FOR 60° AND 90°



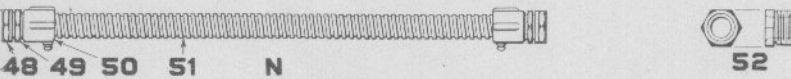
C - FOR 45°
D - FOR 60°
E - FOR 90°

F - FOR 45°
G - FOR 60°
H - FOR 90°



J

L
M



Model 2 Solenoid Dwarf Signal Detail Parts

**Model 2 Solenoid 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	Post Complete, without Water Tight Base, for 45° Spectacle. Includes Caps, Filler Block, Cover, Hasp, Staple, Cleats, Pin, Screws Bolts and Nuts. (2-1, 2-2, 1-3, 1-4, 1-5, 1-6, 2-7, 1-8, 1-9, 2-12, 2-13, 3-14, 1-15, 1-16, 4-21, 2-22).....	
A1	Post Complete, with Water Tight Base, for 45° Spectacle. (Parts same as above except addition of 4-10, 1-11).....	
B	Post Complete, without Water Tight Base, for 60° or 90° Spectacle. Includes Caps, Cover, Hasp, Staple, Pipe, Cleats, Pin, Screws, Bolts and Nuts. (1-5, 1-6, 2-7, 1-8, 1-9, 3-14, 1-15, 1-16, 4-17, 1-18, 1-19, 4-21, 2-22, 1-52).....	3709
B1	Post Complete, with Water Tight Base, for 60° or 90° Spectacle. (Parts same as above except addition of 4-10, 1-11).....	6991
C	Shaft Complete as shown for 45° Spectacle. Includes Nuts and Pins. (1-23, 1-24, 4-25, 2-26).....	28498
D	Shaft Complete as shown for 60° Spectacle. Includes Nuts and Pins. (1-23a, 1-24, 4-25, 2-26).....	
E	Shaft Complete as shown for 90° Spectacle. Includes Nuts and Pins. (1-23b, 1-24, 4-25, 2-26).....	
F	Crank Shaft only for 45° Spectacle.....	28719
G	Crank Shaft only for 60° Spectacle.....	3382
H	Crank Shaft only for 90° Spectacle.....	3668
J	Yoke Complete as shown. Includes Upper Cores Complete.....	3412
K	Commutator Complete as shown.....	3494
L	Contact Block Complete as shown with regular Contacts.....	3486
M	Contact Block Complete with regular and reverse contacts.....	3487
N	Flexible Conduit Complete as shown. Includes Bushings, Nuts, and Screws. (2-48, 2-49, 2-50, 1-51).....	
1	Cap Screw, $\frac{3}{8}$ " x $1\frac{1}{2}$ " hex. hd., for fastening Cap Fig. 3 to Filler Block Fig. 4.....	6376

(Continued on following page)

Model 2 Solenoid Dwarf Signal
Detail Parts

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Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
2	Cap Screw, $\frac{3}{8}$ " x $2\frac{1}{2}$ " hex. hd., for fastening Cap Fig. 3, through Filler Block Fig. 4 to Post Fig. 5.....	0280
3	Cap, for Post Fig. 5 for 45° Spectacle.....	28476
4	Filler Block, for use under Cap Fig. 3, for 45° Spectacle.....	28477
5	Post only as shown, for Figs. A and B.....	3659
5a	as above except for use with Water Tight Base as listed in Figs. A1 and B1.....	6488
6	Cover for Post as shown.....	3660
7	Cap Screw, $\frac{1}{4}$ " x $\frac{3}{4}$ " hex. hd., for fastening Cap Fig. 8 to Post Fig. 5.....	0394
8	Cap for Handhole in Post Fig. 5.....	3662
9	Rod for fastening Cover Fig. 6 to Post Fig. 5.....	3670
10	Bolt and Nut $\frac{1}{2}$ " x 2 " sq. hd., sq. nut, for fastening Post Fig. 5a to Base Fig. 11.....	011
11	Water Tight Base as shown for Figs. A1 and B1.....	6458
12	Lock Washer, $\frac{3}{8}$ " for Top Bolt Fig. 13.....	0569
13	Top Bolt, $\frac{3}{8}$ " x $1\frac{1}{4}$ " hex. for fastening Filler Block Fig. 4 to Post Fig. 5.....	0732
14	Rivet, $\frac{3}{16}$ " x $\frac{3}{4}$ " for Hasp Fig. 15.....	0166
15	Hasp as shown.....	085
16	Staple as shown for Hasp Fig. 15.....	2854
17	Cap Screw, $\frac{3}{8}$ " x 1 " hex. hd., for fastening Cap Fig. 18 to Post Fig. 5.....	2471
18	Cap for Post Complete Figs. B and B1.....	3661
19	Bushing for use when electric light wires are brought out through Cap.....	3974
20	Plug for hole in Cap when Bushing Fig. 19 is not used.....	3973
21	Screw for fastening Cleat Fig. 22 to Post Fig. 5.....	2435
22	Cleat for wires.....	19808
23	Shaft only for Fig. C.....	28499

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Model 2 Solenoid 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		
23a	as above, except for Fig. D.....	3384
23b	same as Fig. 23, except for Fig. E.....	3669
24	Pin for fastening Operating Rod to Shaft Fig. 23.....	18982
25	Nut, $\frac{5}{8}$ "-11 x $\frac{3}{8}$ " thick, hex., for Shaft Fig. 23.....	1318
26	Cotter Pin $\frac{3}{32}$ " x $\frac{5}{8}$ ", for Pin Fig. 24.....	035
27	Woodruff Key, No. 3, for fastening Commutator Fig. K to Shaft.	027
28	Nut $\frac{3}{8}$ "-16 hex., for Crank Shaft.....	1156
29	Woodruff Key, No. 9 for fastening Gear Fig. 30 to Crank Shaft..	026
30	Gear for Crank Shaft.....	3385
31	Pin for Roller Fig. 34.....	3392
32	Cap Screw $\frac{1}{2}$ "-13 x 2" sq. hd., for fastening Yoke Fig. J to Post..	3259
33	Lock Washer for Cap Screw Fig. 32.....	3049
34	Roller used as guide for Gear Rack.....	3391
35	Contact for Commutator Fig. K.....	3498
36	Screw for fastening Contact Fig. 35 to Commutator.....	2438
37	Cap Screw. $\frac{1}{4}$ "-24 x $\frac{3}{4}$ " sq. hd. for fastening Contact-Blocks Figs. L and M to Yoke Fig. J.....	2762
38	Lock Washer for Screw Fig. 37.....	2848
39	Contact Block only for Figs. L and M.....	3490
40	Nut for terminal posts.....	20098
41	Bracket for Contact Block.....	3529
42	Stud for fastening Contact Block Fig. 39 to Bracket Fig. 41...	3492
43	Upper Contact Spring, as shown.....	3462
44	Lower Contact Spring, as shown.....	3461
45	Screw, used as terminal post.....	3520
46	Washer, for terminal posts.....	1225
47	Screw used as terminal post.....	3965
48	Bushing as shown for Bushing Fig. 50.....	0456
49	Lock Nut. $\frac{3}{4}$ " hex. for Bushing Fig. 28.....	0826
50	Bushing Complete as shown with one Screw.....	43369

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Model 2 Solenoid Dwarf Signal
Detail Parts

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Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
51	Flexible Conduit only as shown for Fig. N.....	44951
52	Bushing for wires when flexible conduit is not used.....	1768
53	Nut, $\frac{5}{8}$ "-11 for Operating Rod Fig. 5a.....	3671
54	Spring for Operating Rod Fig. 5a.....	6081
55	Washer for Operating Rod Fig. 5a.....	2400