



Type SA Alternating-Current Signal Mechanism
For Repair Parts Only

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Note: This plate is included for ordering repair parts only for mechanism, Drawing No. 53052-5.

For latest alternating-current mechanism see Plate H2663.

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

Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
D	Reflector Unit Complete, comprises parts Figs. 24 to 33 inclusive. Does not include lamp Fig. 34 which must be ordered separately.....	53056 Gr. 3
E	Contact Block Complete, as shown. Comprises parts Figs. 10 to 19 inclusive.....	53053 Gr. 3 12563-9
F	Terminal Block Complete, as shown. Comprises parts Figs. 52 to 59 inclusive.....	53060 Gr. 3 12563-5
G	Case Complete, includes all parts for housing mechanism. Does not include reflector unit, terminal board, glass Fig. 38 or glass case Fig. 46.....	53270 Gr. 1
1	Armature Complete, with miniature roundels, for three indication unit, giving green, red and yellow indications. Includes spectacles, vane and all riveted parts mounted on shaft.....	53055-5 Gr. 1
1a	as above, except for two indication unit giving red and yellow indications.....	53055-5 Gr. 3
1b	same as Fig. 1, except for two indication unit, giving green and red indications.....	53055-5 Gr. 4
1c	same as Fig. 1, except for two indication unit giving purple and yellow indications.....	53055-5 Gr. 2
2	Counterweight Complete, for mechanism.....	53703 Gr. 1
3	Pin, 1/8" x 1 1/4", hinge for counterweight.....	504-140
4	Insulator Complete, for contact fingers. Includes stud for attaching to counterweight.....	42792
5	Nut, No. 10-32 x 3/8" th. hex., for stud on insulators, also for contacts, terminal posts and studs for supporting brackets.....	40796

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Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
6	Contact Finger Complete, as shown, one required.....	53059 Gr. 6
8	Nut, No. 14-40 hex., for screws, Fig. 60.....	53084-1
9	Screw, No. 10-32 x $\frac{7}{8}$ " fl. hd., for fastening contact block to pole piece.....	12563-9
10	Contact Block, only, for Fig. E.....	47508-45
11	Screw, No. 10-32 x $1\frac{1}{2}$ " rd. hd., terminal post for contact block..	2438-24
12	Washer, for terminal post, Fig. 11.....	40791
13	Insulator, for terminal posts on contact block.....	53109
14	Screw, No. 8-32 x $\frac{3}{4}$ " rd. hd., used as terminal post.....	2553-19
15	Nut, No. 8-32, hex., for terminal post, Fig. 14.....	3891-1
16	Washer, for terminal post, Fig. 14.....	2534-1
17	Terminal, for front contact.....	51559-11
18	Front Contact Complete, as shown.....	42799-7 Gr. 8
19	Back Contact Complete, as shown, two required.....	13061-52 Gr. 1
20	Contact Finger Complete, as shown, one required.....	53059 Gr. 5
21	Pin $\frac{1}{16}$ " x $\frac{1}{16}$ ", for fastening counterweight hinge pin in bracket Fig. 22.....	12682
22	Bearing Bracket, as shown, for supporting one end of armature shaft and counterweight.....	53063-2
23	Stud, as shown, for mounting bearing bracket.....	49476-24
24	Spring, as shown, for receptacle.....	586-32
25	Nut, No. 10-32, hex., cup shape, for spring.....	20673-2
26	Knurled Nut, No. 10-32, for lamp receptacle.....	13076-1
27	Lamp Receptacle Complete, for details and order references see Plate H2669.....	53058-5 Gr. 2
28	Reflector, glass, as shown.....	53122
29	Washer, for use between pad and holder, for reflector.....	590-25

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Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
30	Holder, for reflector unit Fig. D, includes studs for mounting receptacle.....	{ 53068-1 441-120
31	Pad, for use behind reflector.....	1533-32
32	Retaining Ring, for reflector.....	45647-5
33	Screw, No. 4-36 x 3/16", rd. hd., for fastening retaining ring to holder.....	35699-2
34	Incandescent Lamp, 2 pin candelabra single contact bayonet base, S-8 bulb, single filament, 1000 hour rating, 11.3 volts, 13.3 watts, recommended for operation on 10 volts.....	34866-32
34a	as above, except S-11 bulb, single filament, 1000 hour rating, 8 volts, 10 watts, recommended for operation on 7.2 volts.....	34866-43
34b	same as Fig. 34, except S-11 bulb, major and minor filaments in multiple, 1000 hour rating, 8 volts, 13+3.5 watts, recommended for operation on 7.2 volts.....	34866-37
34c	same as Fig. 34, except S-11 bulb, single filament, 1000 hour rating, 9 volts, 15.3 watts, recommended for operation on 8 volts..	34866-34
34d	same as Fig. 34, except S-11 bulb, major and minor filaments in multiple, 1000 hour rating, 10 volts, 13+3.5 watts, recommended for operation on 9 volts.....	34866-60
34e	same as Fig. 34, except S-11 bulb, single filament, 1000 hour rating, 10 volts, 25 watts, recommended for operation on 9 volts..	34866-47
34f	same as Fig. 34, except S-11 bulb, single filament, 2000 hour rating, 13.5 volts, 17 watts, recommended for operation on 12 volts	34866-25
34g	same as Fig. 34, except G-16 1/2 bulb, single filament, 1000 hour rating, 115 volts, 25 watts, recommended for operation on 110 volts.....	34866-45

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Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
34h	same as Fig. 34, except S-11 bulb, single filament, 1000 hour rating, 4 volts, 3 watts, recommended for compound lens signal only, for operation on 4 volts.....	34866-35
34j	same as Fig. 34, except S-11 bulb, single filament, 1000 hour rating, 8 volts, 5 watts, recommended for compound lens signals only, for operation on 8 volts.....	34866-55
34k	same as Fig. 34, except S-11 bulb, major and minor filaments in multiple, 1000 hour rating, 8 volts, 5+3.5 watts, recommended for compound lens signals only, for operation on 8 volts.....	34866-58
34m	same as Fig. 34, except S-11 bulb, single filament, 1000 hour rating, 10 volts, 5 watts, recommended for compound lens signal only, for operation on 10 volts.....	34866-38
35	Glass, for reflector unit compartment.....	924-11
36	Gasket, rubber, for use with glass Fig. 38.....	52983-3
37	Spring, with sleeve, for fastening glass in case.....	51107-6 15284-17
38	Outer Cover Glass, for use in position shown.....	924-17
39	Resistor Complete, as shown.....	31160-1 Gr. 1
40	Bracket, for supporting one end of armature shaft.....	53063-3
41	Bearing, upper half, as shown, for armature shaft. Two required..	53828
42	Ball, for use at ends of armature shaft.....	36126-4
43	Shim, .005" th., for use between upper and lower halves of armature shaft bearing.....	53879
43a	as above, except .003" thick.....	53879-1
44	Bearing, lower half, knife-edge, for armature shaft.....	53828-1
45	Support Complete, as shown, for mounting coil.....	53129 Gr. 4
46	Glass Cover, for housing lower half of mechanism.....	37380-8
47	Screw, 1/4"-20 x 7/8" fil. hd., for fastening bearing bracket to case..	45048-8

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Fig. No.	Name	Drawing Reference
Order by plate, figure number and name		
48	Dowel Pin, .128" x 1/2" long, for fastening support to bracket . . .	504-103
49	Washer, leather, for use between glass cover and stirrup on case Fig. G.	4553
50	Screw, No. 8-32 x 1 3/32" collar hd., for fastening bearing to bracket	53829-2
51	Screw, No. 10-32 x 1/2" fil. hd., for fastening bracket to support . .	12563
52	Screw, No. 10-32 x 3/4" fil. hd., for mounting terminal block, Fig. F	12563-5
53	Block, only, for terminal block Fig. F.	47508-66
54	Screw, No. 14-24 x 1 1/2" sq. hd., used as terminal post.	350-3
55	Nut, No. 14-24 hex., for terminal post.	42843-1
56	Nut, No. 14-24 x 3/16" hex., for terminal post.	42839-1
57	Washer, for terminal post.	1225-2
58	Carborundum Plate, used as lightning protection between termi- nals of control windings.	41786-2
59	Connector, for carborundum plate Fig. 58.	4906-40
60	Screw, No. 14-40 x 5/8" headless, used as stop for vane and counter- weight.	5100-10
61	Name Plate, with escutcheon pins, for mechanism	{ 401-149 40797
62	Color Disc Complete, red, A.A.R. Standard, assembled in retaining cup.	53073 Gr. 2
62a	as above, except yellow with one side depolished, A.A.R. Standard	53073 Gr. 12
62b	same as Fig. 62, except green, pre-cracked, A.A.R. Standard . . .	53073 Gr. 3
62c	same as Fig. 62, except purple, A.A.R. Standard.	53073 Gr. 7
63	Spring, with sleeve, for fastening glass Fig. 35 in case.	{ 51107-3 15284-17
64	Gasket, rubber, for use between glass and case.	52983-1
65	Sleeve, for springs Figs. 37 and 63.	15284-17