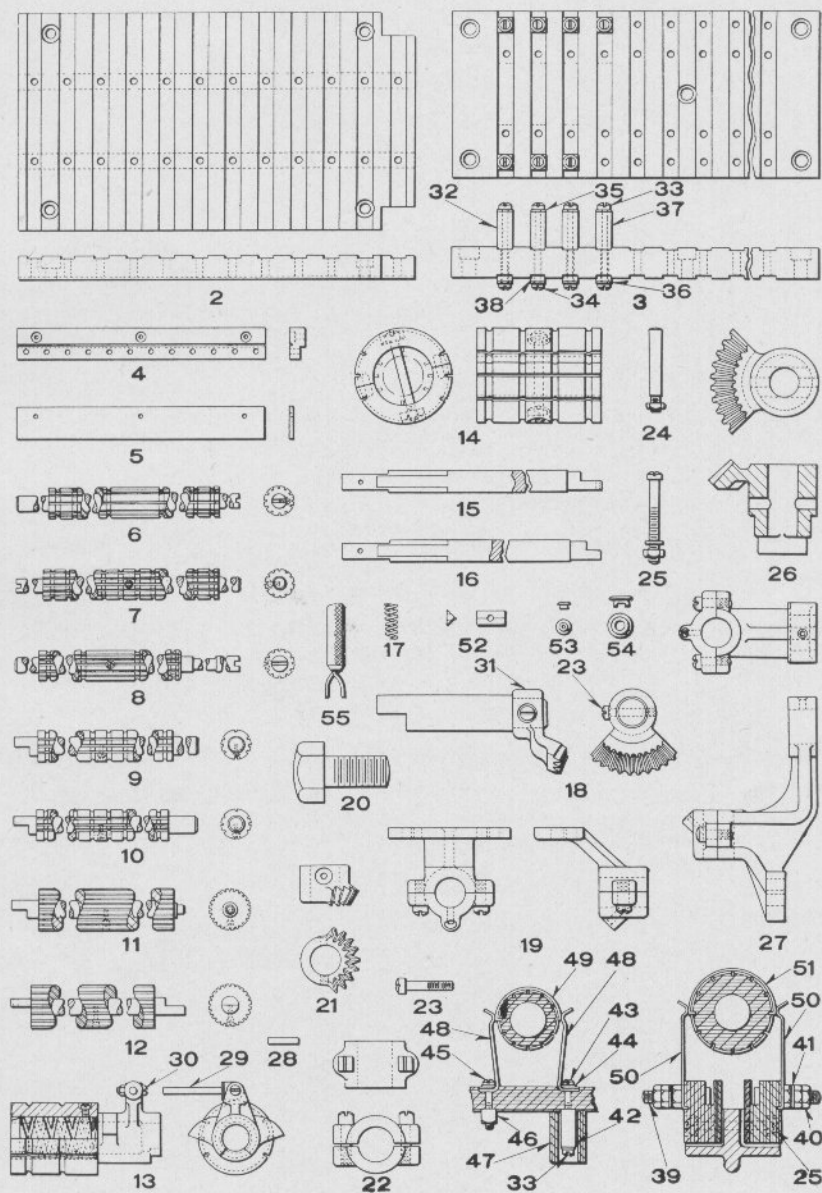


UNION SWITCH & SIGNAL CO.



COMBINATION PLATES, ROLLERS, SHAFTS, GEARS, COUPLINGS, ETC.

UNION SWITCH & SIGNAL CO.

STYLE "S-8" ELECTRO-MECHANICAL INTERLOCKING MACHINE DETAIL PARTS

COMBINATION PLATES, ROLLERS, SHAFTS, GEARS, COUPLINGS, ETC.

Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
53995	2	Combination Plate, for Horizontal Unit Refs. D and E, Plate A-1005.....	C-2051-25
111801	3	Combination Plate, complete 12-Groove for Individual Vertical Unit with twenty-four terminal connectors and terminal posts.....	C-8577-109
111800	3a	Combination Plate, only for Ref. 3.....	C-8577-109
122510	3b	Combination Plate, 16-Groove for Vertical Extension Unit, complete with thirty-two Terminal Connectors and Terminal Posts.....	C-8577-193
122509	3c	Combination Plate only for Ref. 3b.....	C-8577-193
112211	4	Terminal Board.....	9968-609
112213	5	Insulation.....	8705-2072
122473	6	Roller, complete, 1¼" Diameter, for Levers for 24 groove plate for Individual Vertical Units, Refs. F, Fa and Fb, Plate A-1005.....	8435-167
122477	7	Roller, complete, 1¼" Diameter for 16 Groove Plate Vertical Extension Unit, Ref. H, Plate A-1005 for Signal or Switch Lever.....	8435-168
122475	8	Roller, complete, 1¼" Diameter for Switch Lever for 24-Groove Plate Individual Vertical Unit Ref. G, Plate A-1005.....	8435-166
75386	9	Roller, complete, 1¼" Diameter for 12-Groove Horizontal Plate for Switch Lever with Quick Switch Ref. E, Plate A-1005.....	8435-141
54012	10	Roller, complete, 1¼" Diameter for 12-Groove Horizontal Plate for Signal Lever Refs. D, Da and Db, Plate A-1005.....	8435-121

PLATE A-1025

UNION SWITCH & SIGNAL CO.

**STYLE "S-8" ELECTRO-MECHANICAL INTERLOCKING
MACHINE DETAIL PARTS
(Continued)**

**COMBINATION PLATES, ROLLERS, SHAFTS,
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Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
112184	11	Roller, complete, 1 $\frac{3}{4}$ " Diameter for 12-Groove Horizontal Plate for Signal or Switch Lever Refs. C to Cf, inc. Plate A-1005.....	8435-164
123055	12	Roller, complete, 1 $\frac{3}{4}$ " Diameter for 12-Groove Horizontal Plate for use with Ref. B, Plate A-1005 only.	8435-169
75387	13	Circuit Shifter, complete, for Horizontal Unit Ref. E, Plate A-1005 with Spring Guide Ref. 29, Screw and Nut Ref. 30.....	8435-143
75388	14	Roller, complete, 2" Diameter with Screw, Nut and Washer for Ref. E, Plate A-1005.....	C-8852-14
123051	15	Horizontal Shaft for use with Style "S-8-B" Units only	C-5984-7
53993	16	Horizontal Shaft, for use with all Style "S-8" Units except the Style "S-8-B".....	C-5984-5
5453	17	Coil Spring for Quick Switch.....	7770-90
140209	18	Extension Shaft, complete, with Gear Ref. 31 and Screw Ref. 23 used with Shaft Ref. 16 for vertical unit Refs. F and G, Plate A-1005.....	C-5984-8
113296	18a	Extension Shaft, only for Ref. 18.....	C-5984-8
122594	19	Bearing for Combination Roller without Quick Switch, complete.....	C-8577-108
	20	Cap Screw, $\frac{5}{8}$ "x1 $\frac{3}{8}$ " Hex. Hd. for attaching Intermediate Bearing to Unit Bearing.	
75525	21	Gear for Vertical Rollers Refs. 6 and 8.....	8424-169
123019	22	Intermediate Coupling, complete.....	12565-4
5941	23	Screw for attaching Ref. 31 to Ref. 18a and for attaching Ref. 21 to Ref. 8.....	8098-133

UNION SWITCH & SIGNAL CO.

STYLE "S-8" ELECTRO-MECHANICAL INTERLOCKING
MACHINE DETAIL PARTS
(Continued)

COMBINATION PLATES, ROLLERS, SHAFTS,
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Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
	24	Dowel Pin with Hex. Nut Ref. 24b for attaching Ref. 26 to Shaft.	
50586	24a	Dowel Pin only for Ref. 24.....	8059-31
40058	24b	Hex. Nut only for Ref. 24.....	8265-126
137933	25	Machine Screw No. 10-30x1 $\frac{3}{4}$ " Fil. Hd. Br. with Hex. Nut Ref. 25b and Washer Ref. 25c for securing Refs. 4 and 5 to Extension Unit Frame.....	12471-2
	25a	Machine Screw, No. 10-30x1 $\frac{3}{4}$ " Fil. Hd. Br. for Ref. 25	
26942	25b	Hex. Nut for Ref. 25.....	8109-184
15577	25c	Washer for Ref. 25.....	7828-67
50589	26	Main Gear for All Types of Units.....	8425-134
113293	27	Shaft Bearing, complete.....	C-8577-122
46524	28	Pin for Securing Ref. 12 to Ref. 15.....	8097-423
4679	29	Spring Guide for Ref. 13.....	C-5860-5
	30	Machine Screw No. 6-40x1 $\frac{1}{2}$ " Fil. Hd. with Hex. Nut Ref. 30b for Quick Switch Roller Ref. 13.	
5942	30a	Machine Screw No. 6-40x1 $\frac{1}{2}$ " Fil. Hd. for Ref. 30....	8098-132
1505	30b	Hex. Nut for Ref. 30.....	8109-11
75523	31	Gear for Ref. 18.....	8424-169
136152	32	Terminal Post, complete with one Washer Ref. 35, one lock Washer Ref. 36, one No. 6-40x $\frac{3}{8}$ " and one No. 6-40x1" Fil. Hd. Mach. Screws Refs. 33 and 34.	12451-223
48960	33	Machine Screw No. 6-40x $\frac{3}{8}$ " Fil. Hd. for Ref. 32.....	8098-881

UNION SWITCH & SIGNAL CO.

STYLE "S-8" ELECTRO-MECHANICAL INTERLOCKING MACHINE DETAIL PARTS (Continued)

COMBINATION PLATES, ROLLERS, SHAFTS, GEARS, COUPLINGS, ETC.

Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
111802	34	Machine Screw No. 6-40x1" Fil. Hd. for Ref. 32.....	8098-881
20686	35	Washer for Ref. 32.....	7828-108
	36	Lock Washer No. 6 Plain S. ($\frac{5}{64}$ " x $\frac{1}{32}$ ") for Ref. 32.	
48958	37	Square Terminal Post only for Ref. 32.....	8094-899
111778	38	Connector for Ref. 3.....	8064-534
	39	Terminal Post, complete, with Nuts and Washers...	12451
2798	39a	Terminal Post only for Ref. 39.....	8094-82
26545	40	Hex. Nut for Ref. 39.....	8109-181
53	41	Washer for Ref. 39.....	7828-5
	42	Terminal Post, complete with one Washer Ref. 35, one Washer Ref. 44, one Screw Ref. 33 and one Screw Ref. 43.....	12451
48959	43	Machine Screw No. 6-40x $\frac{3}{4}$ " Fil. Hd. for Ref. 42.....	8098-881
49031	44	Square Washer for Ref. 42.....	7828-214
81260	45	Terminal Post, complete with Nut Ref. 46 and Washer Ref. 44.....	12451-1
49871	45a	Machine Screw No. 6-40x $\frac{7}{8}$ " Fil. Hd. for Ref. 45....	8098-881
61147	46	Square Nut for Ref. 45.....	8109-346
51370	47	Insulating Bushing for Terminal Posts.....	8095-479
	48	Contact Spring for Combination Plate. (Order from Plates A-1055 and A-1065).	
	49	Contact Band for Combination Plate. (Order from Plates A-1055 and A-1065).	

UNION SWITCH & SIGNAL CO.

STYLE "S-8" ELECTRO-MECHANICAL INTERLOCKING MACHINE DETAIL PARTS (Continued)

COMBINATION PLATES, ROLLERS, SHAFTS, GEARS, COUPLINGS, ETC.

Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
	50	Contact Springs for Combination Plate. (Order from Plate A-1060).	
	51	Contact Spring for Combination Plate. (Order from Plate A-1060).	
4680	52	Pivot for Spring Guide Ref. 29.....	C-5860-5
45301	53	Eyelet for Connecting Wires on Combination Board	8064-299
45304	54	Eyelet for Connecting Wires from Bus Bars.....	8064-299
	55	Wire No. 18 B. & S. Gauge, Spec. 535 for use in Wiring Style "S-8" Electro-Mechanical Interlocking Machine.	