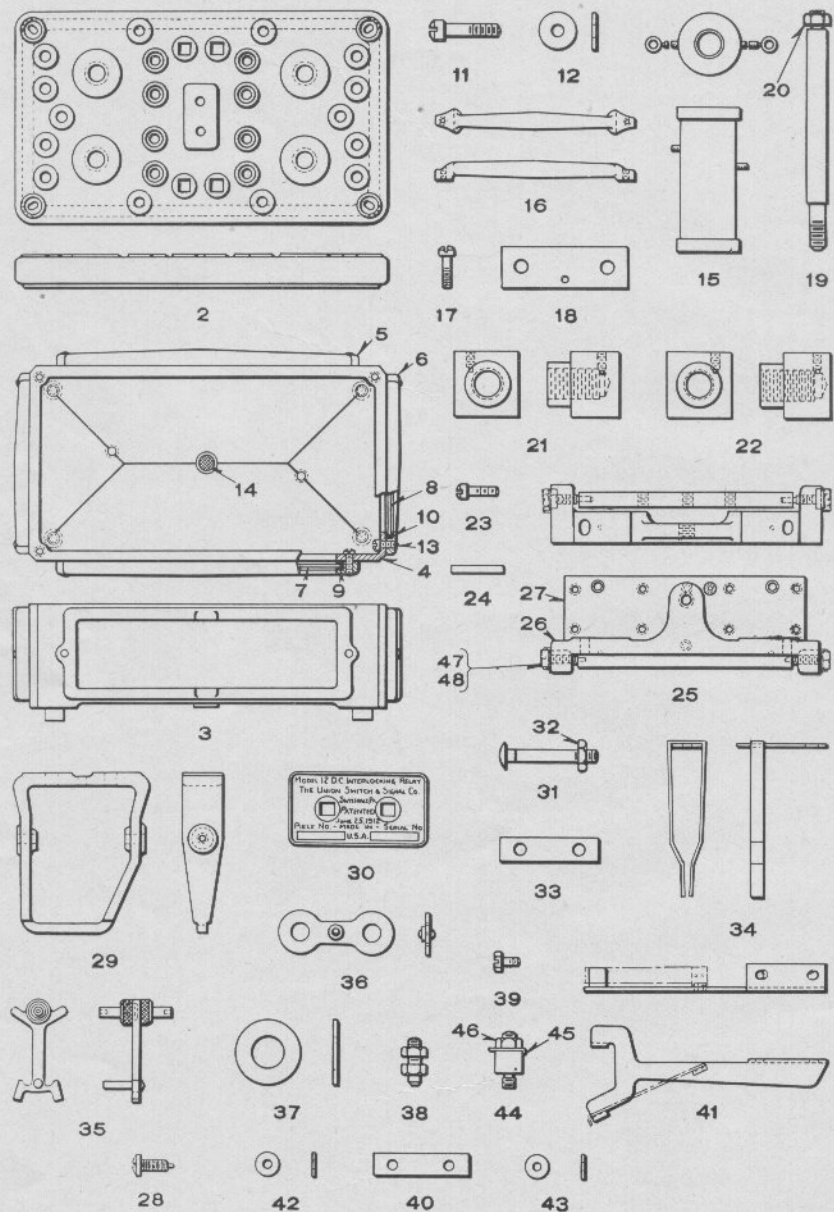


PLATE E-5045

UNION SWITCH & SIGNAL CO.



MODEL 12 DIRECT CURRENT ENCLOSED INTERLOCKING RELAY
DETAIL PARTS

UNION SWITCH & SIGNAL CO.

MODEL 12 DIRECT CURRENT ENCLOSED INTERLOCKING RELAY
DETAIL PARTS

 For complete Relays refer to Plate E-5040

 For other details refer to Plate E-5046

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

Piece	Ref.	Description	Drawing Reference
92103	2	Porcelain Top Plate for Relays as listed on Plate E-5040.....	C-8122-6
117215	3	Case complete with Ventilator, Doors and Shields for Relays listed on Plate E-5040.....	C-8121-5
92120	4	Case, complete with Ventilator and Studs.....	C-8122-5
92118	5	Door for Case Ref. 3.....	C-8122-5
92119	6	Door for Case Ref. 3.....	C-8122-5
92099	7	Glass Shield, $2\frac{3}{8}" \times 8\frac{5}{16}"$	8163-255
92098	8	Glass Shield, $2\frac{3}{8}" \times 4\frac{1}{2}"$	8163-255
92089	9	Gasket for Ref. 7.....	8078-1268
92088	10	Gasket for Ref. 8.....	8078-1268
	11	Machine Screw No. 10-30x1" Fil. Hd. S. (Cad. Pl.) for securing Ref. 2 to Ref. 3.	
26381	12	Washer for Ref. 11.....	7826-78
	13	Machine Screw No. 10-30x $\frac{1}{2}"$ Fil. Hd. Steel, cadmium plated, for fastening Refs. 5 and 6 to Ref. 4.	
34340	14	Ventilator for Refs. 3 and 4.....	C-7459-6
	15	Magnet Coil complete, with Leads and Terminals (When ordering refer to Refs. 2 to 2q of Plate E-5025).....	8133-
92114	16	Handle.....	8311-69
	17	Machine Screw No. 8-36x $\frac{1}{2}"$ Fil. Hd. Steel, Cadmium Plated for securing Ref. 16 to Ref. 18.	

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PLATE E-5045

UNION SWITCH & SIGNAL CO.

MODEL 12 DIRECT CURRENT ENCLOSED INTERLOCKING RELAY DETAIL PARTS (Continued)

For complete Relays refer to Plate E-5040

For other details refer to Plate E-5046

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

Piece	Ref.	Description	Drawing Reference
92104	18	Backstrap	8162-210
51617	19	Magnet Core with Hex. Nut Ref. 20	8101-206
51610	20	Hex. Nut for Ref. 19	8265-161
51618	21	L. H. Pole Piece	8250-44
51619	22	R. H. Pole Piece	8250-44
	23	Machine Screw No. 8-36x $\frac{1}{2}$ " Fil. Hd. Brass for Refs. 21 and 22.	
49067	24	Dowel Pin for securing Refs. 19, 21 and 22	8097-336
110094	25	Armature Bracket with Armature and Pivot Screws, complete	C-7459-8
121355	25a	Armature Bracket with Armature, Pivot Screws, and Release Spring to be used on Relays without front contacts only	C-7459-8
50225	26	Armature Bracket only	8303-68
98417	26a	Armature Bracket, complete with Two Pivot Screws Ref. 28 and One Screw Ref. 38	8303-68
92106	27	Armature, complete for Ref. 25	8157-300
121346	27a	Armature, complete with Release Spring for Ref. 25a ..	8157-300
67265	27b	Release Spring, for Ref. 27a	8735-504
54920	27c	Rivet (For attaching Ref. 27b to Ref. 27a)	10301-1
47579	28	Pivot Screw for Ref. 29	8378-197
125695	29	Pawl Support	C-8122-6

UNION SWITCH & SIGNAL CO.

**MODEL 12 DIRECT CURRENT ENCLOSED INTERLOCKING RELAY
DETAIL PARTS
(Continued)**

For complete Relays refer to Plate E-5040

For other details refer to Plate E-5046

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

Piece	Ref.	Description	Drawing Reference
92111	30	Name Plate.....	8225-216
	31	Bolt with Nut Ref. 32 for fastening Ref. 30 to Top Plate	12471-
79117	31a	Bolt for Ref. 31.....	8098-827
44230	32	Nut for Ref. 31.....	8109-281
45338	33	Lock Washer for Ref. 31.....	8486-155
92108	34	Pawl Spring, complete.....	8735-545
113086	35	Pawl, complete.....	9121-96
97123	36	Core Plate, complete.....	C-7459-10
51611	37	Washer used under coil.....	7828-218
	38.	Core Pin Screw, complete, with Nut for Ref. 25....	12471-
49141	38a	Core Pin Screw only for Ref. 38.....	8098-887
26942	38b	Nut only for Ref. 38.....	8109-184
62977	39	Screw for securing Ref. 27 to Ref. 41.....	8098-845
65405	40	Lock Washer for Ref. 39.....	8486-155
63269	41	Locking Arm.....	C-8122-2
141159	41a	Locking Arm complete with Spring.....	C-8122-2
65846	42	Washer (.010" Thick) used between Refs. 27 and 41.	7828-287
65847	43	Washer (.0159" Thick) used between Refs. 27 and 41.	7828-287
94819	44	Insulating Bushing, with Nut and Lock Washer, complete.....	12471-6

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PLATE E-5045

UNION SWITCH & SIGNAL CO.

MODEL 12 DIRECT CURRENT ENCLOSED INTERLOCKING RELAY
DETAIL PARTS
(Continued)

For complete Relays refer to Plate E-5040

For other details refer to Plate E-5046

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

Piece	Ref.	Description	Drawing Reference
22621	44a	Insulating Bushing only for Ref. 44.....	8095-199
1515	45	Nut for Ref. 44.....	8109-23
19409	46	Lock Washer for Ref. 44.....	8486-68
159814	47	Screw	8378-354
159815	48	Lock Washer.....	8486-395