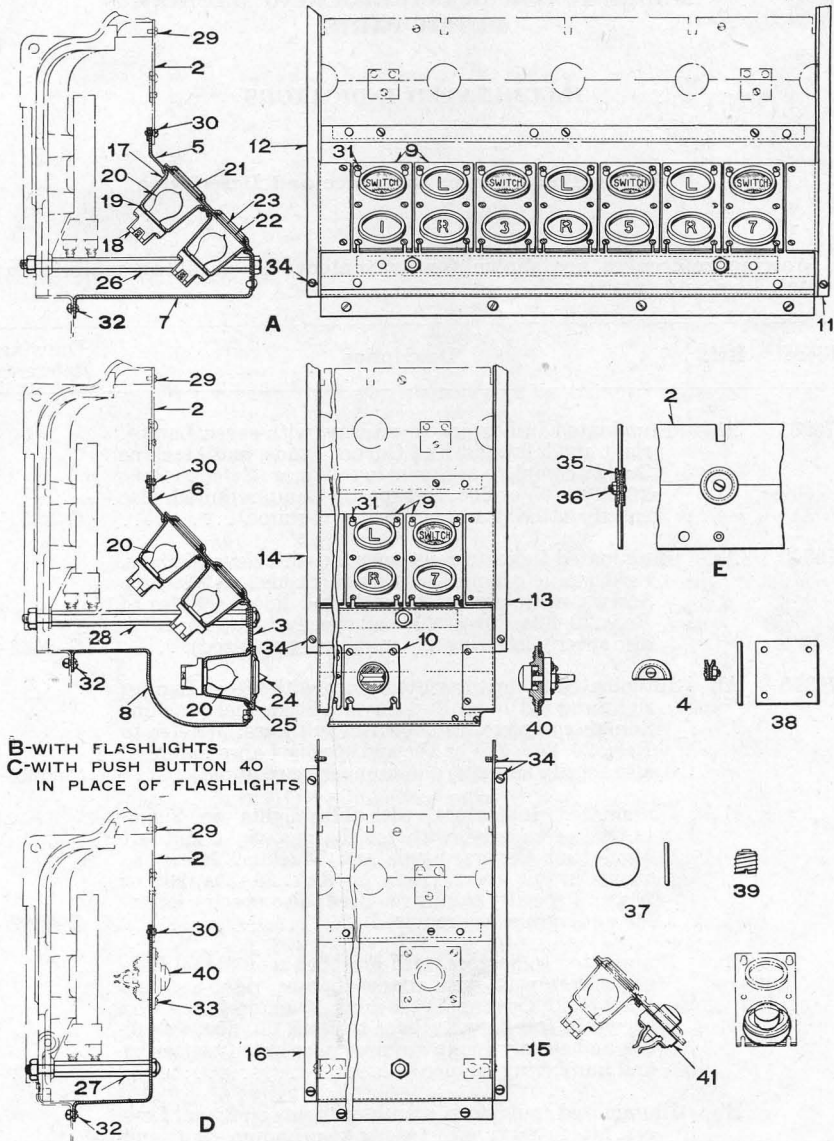


UNION SWITCH & SIGNAL CO.



ILLUMINATED INDICATORS

UNION SWITCH & SIGNAL CO.

MODEL 14 POWER INTERLOCKING MACHINE
DETAIL PARTS

ILLUMINATED INDICATORS

Order by Plate, Piece, Reference and Description

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

Piece	Ref.	Description	Drawing Reference
76908	A	Illuminated Indicators, seven way, with seven Lamps, right and left hand End Covers, Studs and Machine Screws complete as shown in full lines (Refer to Refs. 20, 20a, 20b or 20c, and specify Lamp required, also specify lettering and numbering required)	C-8662-1
76909	Aa	Illuminated Indicators, eleven way, with eleven Lamps, right and left hand End Covers, Studs and Machine Screws, complete as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required)	C-8662-1
76910	Ab	Illuminated Indicators, fifteen way, with fifteen Lamps, right and left hand End Covers, Studs and Machine Screws complete, as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required)	C-8662-1
	B	Illuminated Indicators, with Flashlights on Signal Lever, seven way, with ten Lamps, right and left hand End Covers, Studs and Machine Screws as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamps required, also specify lettering and numbering required)	C-8662-6
	Ba	Illuminated Indicators, with Flashlights on Signal Levers, eleven way, with sixteen Lamps, right and left hand End Covers, Studs and Machine Screws as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required)	C-8662-6
	Bb	Illuminated Indicators, with Flashlights on Signal Levers, fifteen way, with twenty-two Lamps, right and left hand End Covers, Studs and Machine Screws as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required)	C-8662-6

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Piece	Ref.	Description	Drawing Reference
	C	Illuminated Indicators, with Push Buttons on Signal Levers, seven way with seven Lamps, right and left hand End Covers, Studs and Machine Screws as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required).....	C-8662-12
	Ca	Illuminated Indicators, with Push Buttons on Signal Levers, eleven way with eleven Lamps, right and left hand End Covers, Studs and Machine Screws, complete as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required).....	C-8662-12
	Cb	Illuminated Indicators, with Push Buttons on Signal Levers, fifteen way with fifteen Lamps, right and left hand End Covers, Studs and Machine Screws, complete as shown in full lines. (Refer to Refs. 20, 20a, 20b or 20c and specify Lamp required, also specify lettering and numbering required).....	C-8662-12
70300	D	Lower Front Cover, with Studs, and Machine Screws for a seven Lever Section when no Indicator Lights are used.....	C-8662-7
70301	Da	Lower Front Cover, with Studs and Machine Screws for Eleven Lever Section when no Indicator Lights are used.....	C-8662-7
70302	Db	Lower Front Cover, with Studs and Machine Screws for Fifteen Lever Section when no Indicator Lights are used.....	C-8662-7
	Dc	Lower Front Cover, complete with Push Buttons, Studs and Machine Screws as shown in dot and dash lines. (Specify which Levers are to be equipped with Push Buttons) for Seven Lever Section when no Indicator Lights are used.....	C-8662-14
	Dd	Lower Front Cover, complete with Push Buttons, Studs and Machine Screws as shown in dot and dash lines. (Specify which Levers are to be equipped with Push Buttons) for Eleven Lever Section when no Indicator Lights are used.....	C-8662-14

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Piece	Ref.	Description	Drawing Reference
	De	Lower Front Cover, complete with Push Buttons, Studs and Machine Screws as shown in dot and dash lines. (Specify which Levers are to be equipped with Push Buttons) for Fifteen Lever Section when no Indicator Lights are used.	C-8662-14
	E	Washers, with one No. 12-28 x $\frac{3}{8}$ " Rd. Hd. Machine Screw and Hex. Nut for closing Push Button Holes in upper Front Cover 2.	
70306	2	Upper Front Cover, complete for a Seven Lever Section for A, B, C, D and De.	C-8617-20
70307	2a	Upper Front Cover, complete for an Eleven Lever Section, for Aa, Ba, Ca, Da and Dd.	C-8617-20
70308	2b	Upper Front Cover, complete for a Fifteen Lever Section, for Ab, Bb, Cb, Db and De.	C-8617-20
110565	3	Front Plate, complete with Studs for Seven Lever Section for Band C.	C-8617-37
76903	3a	Front Plate, complete with Studs for Eleven Lever Section, for Ba, and Ca.	C-8617-16
76901	3b	Front Plate, complete with Stud for Fifteen Lever Section, for Bb and Cb.	C-8617-16
113009	4	Washer, complete as shown used for covering holes in front cover at end of Machine.	7826-236
70291	5	Front Plate, complete with Strip, Rivets and Stud only, for A.	C-8617-2
70292	5a	Front Plate, complete, with Strip, Rivets and Stud only for Aa.	C-8617-2
70293	5b	Front Plate, complete with Strip, Rivets and Stud only, for Ab.	C-8617-12

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Piece	Ref.	Description	Drawing Reference
110540	6	Front Plate, complete with Strip, and Rivets only for B and C.....	C-8617-2
76902	6a	Front Plate, complete with Strip, and Rivets only for Ba and Ca.....	C-8617-2
76904	6b	Front Plate, complete with Strips and Rivets only for Bb and Cb.....	C-8617-12
62183	7	Bottom Cover only, for A.....	C-8617-24
62184	7a	Bottom Cover only, for Aa.....	C-8617-24
62185	7b	Bottom Cover only, for Ab.....	C-8617-24
110567	8	Bottom Cover, complete with Strip only for B and C.....	C-8617-37
87147	8a	Bottom Cover, complete with Strip only for Ba and Ca.....	C-8617-17
87146	8b	Bottom Cover, complete with Strip only for Bb and Cb.....	C-8617-17
70215	9	Switch Lever Indicator Cover, complete with "Switch" in upper space and number in lower space. Specify number required.....	C-8617-3
70214	9a	Signal Lever Indicator Cover, complete with "L" in upper space and "R" in lower space.....	C-8617-3
70216	9b	Signal Lever Indicator Cover, complete with "L" in upper space and lower space blank.....	C-8617-25
70217	9c	Signal Lever Indicator Cover, complete with "R" in lower space and upper space blank.....	C-8617-25
70250	9d	Indicator Cover, complete both upper and lower spaces blank.....	C-8617-25
70220	9e	Indicator Cover, complete with upper space blank and lower space arranged for Push Button 41.....	C-8617-25

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Piece	Ref.	Description	Drawing Reference
70222	9f	Signal Lever Indicator Cover, complete with "R" in upper space and lower space arranged for Push Button 41.	C-8617-25
70223	9g	Traffic Lever Indicator Cover, complete with number in upper space and lower space arranged for Push Button 41. (Specify number required)	C-8617-25
70224	9h	Signal Lever Indicator Cover, complete with "L" in upper space and lower space arranged for Push Button 41.	C-8617-25
70219	9j	Traffic Lever Indicator Cover, complete with "TRAF-FIC" in upper space and number in lower space. (Specify number required)	C-8617-25
70225	9k	Traffic Lever Indicator Cover, complete with "TRAF-FIC" in upper space and lower space arranged for Push Button 41.	C-8617-26
70226	9m	Bridge Lever Indicator Cover, complete with "BRIDGE" in upper space and number in lower space. (Specify number required)	C-8617-26
70227	9n	Battery Lever Indicator Cover, complete with "BATTERY" in upper space and number in lower space. (Specify number required)	C-8617-26
70228	9p	Indicator Cover, complete, with number in lower space and upper space arranged for Push Button 41. (Specify number required)	C-8617-26
70229	9q	Battery Lever Indicator Cover, complete with "BATTERY" in upper space and lower space arranged for Push Button 41.	C-8617-26
68105	9r	Signal Lever Indicator Cover, complete with "S" in upper space and "N" in lower space.	C-8617-26
71940	9s	Signal Lever Indicator Cover, complete with red glass in upper space and number in lower space. (Specify number required)	C-8617-26

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Piece	Ref.	Description	Drawing Reference
84421	10	Flashlight Cover, complete	C-8617-29
120590	10a	Blank Cover, complete for Flashlight.....	C-8617-29
70327	11	End Cover only, right hand for A, Aa and Ab.....	C-8617-29
70328	12	End Cover only, left hand for A, Aa and Ab.....	C-8617-29
80843	13	End Cover, only, right hand for B, Ba, Bb, C, Ca, and Cb.....	C-8617-32
80842	14	End Cover only, left hand for B, Ba, Bb, C, Ca, and Cb	C-8617-32
70325	15	End Cover only, right hand for D, Da, Db, Dc, and De.	C-8617-30
70326	16	End Cover only, left hand for D, Da, Db, Dc, Dd and De.....	C-8617-30
54035	17	Cup only for Indication Light.....	C-8617-3
91932	17a	Cup complete with Socket and Screws.....	C-8617-3
	18	No. 677 Pass and Seymour Lamp Socket, complete with Screws.	
56396	19	Gasket used between 17 and 18.....	8078-1026
	20	Minature Carbon Lamp, 14 volts, for use with battery.	
	20a	Minature Tungsten Lamp, 6 volts for use with separate Transformer.	
78403	20b	Minature Tungsten Lamp, 12 volts for use where 12 volts is available.....	B-12409-8
	20c	Minature Carbon Lamp, 110 volts, for use where 110 volts, is available.	
53071	21	Glass Disc with word "Switch".....	8286-63
64766	21a	Glass Disc with word "Battery".....	8286-74

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Piece	Ref.	Description	Drawing Reference
64767	21b	Glass Disc with word "Bridge"	8286-75
119962	21c	Glass Disc with word "Master"	8286-91
64768	21d	Glass Disc with word "Traffic"	8286-76
119968	21e	Glass Disc with word "Lock"	8286-92
39087	21f	Clear Glass Disc (Frosted on one side)	8286-49
88928	22	Green Glass Disc (Frosted on one side)	8286-88
69160	22a	Red Glass Disc (Frosted on one side)	8286-88
24847	23	Aluminum Disc with number cut out. Specify number required	8286-24
52764	23a	Aluminum Disc with letter "R" cut out	8286-62
53777	23b	Aluminum Disc with letter "L" cut out	8286-61
68099	23c	Aluminum Disc with letter "N" cut out	8286-84
68100	23d	Aluminum Disc with letter "S" cut out	8286-85
	24	Red Lens for Flashlight.	
84383	25	Gasket for 24	8078-942
53808	26	Stud, $\frac{1}{2}$ " x $9\frac{9}{16}$ " with one $\frac{3}{8}$ " Std. and one $\frac{3}{8}$ " thin Hex. Nut	8115-106
53809	27	Stud, $\frac{1}{2}$ " x $5\frac{7}{16}$ " with one $\frac{3}{8}$ " Std. and one $\frac{3}{8}$ " thin Hex. Nut	8115-106
57621	28	Stud, $\frac{1}{2}$ " x $9\frac{5}{8}$ " with one $\frac{3}{8}$ " Std. and one $\frac{3}{8}$ " thin Hex. Nut	8115-144

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Order by Plate, Piece, Reference and Description

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Piece	Ref.	Description	Drawing Reference
	29	Machine Screw, No. 12-28 x $\frac{1}{2}$ " Oval Csk. Hd. S. for fastening top of upper front Covers to Machine Frame	
	30	Machine Screw, No. 12-28 x $\frac{1}{4}$ " Oval Csk. Hd. S. for fastening top of Indicator A & C or top of Covers B and D to upper Front Covers 2.	
	31	Machine Screw, No. 8-36 x $\frac{3}{8}$ " Rd. Hd. Brass for fastening Switch, Signal or Flashlight Covers to Front Plate, also for attaching 40 to C, Ca or Cb.	
	32	Machine Screw, No. 12-28 x $\frac{3}{8}$ " Rd. Hd. Br. with Hex. Nut 32a for fastening A, C and D to case.	
1533	32a	Hex. Nut for 32.....	8109-44
	33	Machine Screw only, No. 8-36 x $\frac{1}{4}$ " Rd. Hd. Br. for fastening 40 to Dc, Dd and De.	
	34	Machine Screw, No. 12-28 x $\frac{1}{4}$ " Rd. Hd. S. for fastening right and left hand End Covers to Machine.	
56353	35	Washer for "E".....	7826-146
	36	Machine Screw, No. 12-28 x $\frac{3}{8}$ " Rd. Hd. S. with Hex. Nut 36a for "E".	
32140	36a	Nut for 37.....	8019-220
62162	37	Sheet Steel Blank Plate used for Illuminated Indicator when no lights are used.....	8286-48
80841	38	Sheet Steel Blank Cover for Flashlight.....	C-8617-16
	39	No. 391 Candelabra to Minature Adapter.	
80840	40	Push Button, complete for C, Ca, Cb, Dc, Dd and De..	B-9918-18
70230	41	Push Button, complete, used in place of light.....	B-9918-16