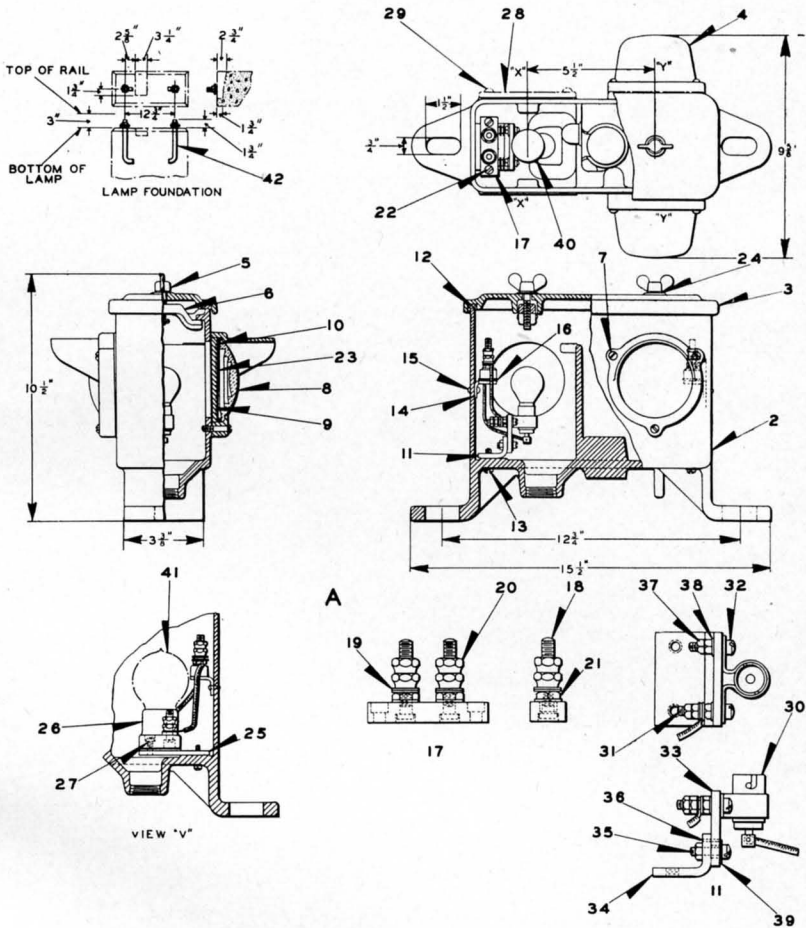


UNION SWITCH & SIGNAL CO.



UNION SWITCH & SIGNAL CO.

STYLE "ES-20" ELECTRIC SWITCH LAMP
(WITHOUT CIRCUIT CONTROLLER)

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

Style "ES-20" Color Light Electric Switch Lamp complete							
Piece	Ref.	Lamp Socket	Lamp Bulb	Lenses		Remarks	Drawing Reference
				X	Y		
155328	A	Ref. 11	Ref. 40	Lunar White	Yellow		C-9139-8
157329	Aa	Ref. 11	Ref. 40	Green	Red		C-9139-8
159403	Ab	Ref. 11	Ref. 40	Red	Yellow		C-9139-8
160575	Ac	Ref. 11	Ref. 40	Green	Yellow		C-9139-8
159339	Ad	Ref. 11	Ref. 40	Green	Yellow	With Covers Ref. 28 for Blanking out Lights on one side	C-9139-8
159404	Ae	Ref. 26	Ref. 41	Red	Yellow	Socket per View "V"	C-9139-8
168038	Af	Ref. 26	Ref. 41	Lunar White	Green	Socket per View "V"	C-9139-8
Piece	Ref.	Description					Drawing Reference
155329	2	Case					C-9133-7
153259	3	Cover					C-9133-8
148064	4	Hood					C-9133-5
153677	5	Thumb Screw with $\frac{1}{8}$ "x $\frac{3}{4}$ " Cotter (Cad. Pl.)					8331-75
153383	6	Yoke					12562-4

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**STYLE "ES-20" ELECTRIC SWITCH LAMP
(WITHOUT CIRCUIT CONTROLLER)
(Continued)**

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Piece	Ref.	Description	Drawing Reference
	7	Machine Screw, No. 10-30x1" Rd. Hd. S. (Cad. Pl.) for attaching Hood Ref. 4 to Case.	
135274	8	Clear Lens, 3½" Diameter	B-8276-32
141359	9	Red Roundel, 3½" Diameter	8468-52
141360	9a	Yellow Roundel, 3½" Diameter	8468-52
141361	9b	Green Roundel, 3½" Diameter	8468-52
141363	9c	Lunar White Roundel, 3½" Diameter	8468-52
149564	10	Gasket	8078-437
148223	11	Lamp Receptacle, complete with mounting Brackets, Single Contact Candelabra Bayonet Base	12415-13
153382	12	Gasket	8078-1454
	13	Machine Screw, ¼"-20x¾" Fil. Hd. S. (Cad. Pl.) and ¼" Plain S. Lock Washer (¼"x ¼") (Cad. Pl.) for attaching Lamp Receptacle Ref. 11 to Case.	
148082	14	Bracket for Terminal Board	10914-124
54937	15	Rivet for attaching Bracket Ref. 14 to Case	10301-50
410539	16	Insulation	410539
	17	Terminal Board complete with Terminal Posts, Nuts and Washers (Inc. 2-18)	411175
410289	17a	Terminal Board only, for Ref. 17	410289
	18	Terminal Post complete with Nuts and Washers (Inc. 1-18a, 3-19, 2-20 and 1-21)	12451-
410594	18a	Terminal Post only, for Ref. 18	410594

UNION SWITCH & SIGNAL CO.

STYLE "ES-20" ELECTRIC SWITCH LAMP
(WITHOUT CIRCUIT CONTROLLER)
(Continued)

Order by Plate, Piece, Reference and Abbreviated Description Given in
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Piece	Ref.	Description	Drawing Reference
29102	19	Washer.....	7828-139
29101	20	Nut.....	8109-193
29103	21	Nut.....	8109-194
	22	Machine Screw, No. 10-30x $\frac{1}{2}$ " Fil. Hd. Br. (N. P.) for attaching Terminal Board to Bracket.	
150463	23	Screen.....	7318-76
116719	24	Washer.....	8078-1352
159424	25	Plate.....	9999-686
121591	26	Lamp Receptacle, Medium Screw Base.....	9954-60
	27	Machine Screw, No. 10-30x $\frac{5}{8}$ " Fil. Hd. S. (Cad. Pl.) for attaching Lamp Receptacle Ref. 26 to Plate Ref. 25.	
159336	28	Cover for blanking out openings.....	C-9133-5
	29	Machine Screw, No. 10-30x $\frac{1}{2}$ " Rd. Hd. S. for attach- ing Cover Ref. 28 to Case.	
94185	30	Lamp Socket.....	C-8665-2
	31	Machine Screw, No. 10-30x1" Fil. Hd. Br. (N. P.) with Nuts and Washers (Inc. 1-31a, 3-37 and 3-38)	
	31a	Machine Screw No. 10-30x1" Fil. Hd. Br. (N. P.) for Ref. 31.	
	32	Machine Screw No. 10-30x $\frac{3}{4}$ " Fil. Hd. Br. (N. P.) with Nuts and Washers (Inc. 1-32a, 2-37 and 1-38) ..	
	32a	Machine Screw, No. 10-30x $\frac{3}{4}$ " Fil. Hd. Br. (N. P.) for Ref. 32.	

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STYLE "ES-20" ELECTRIC SWITCH LAMP
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(Continued)

Order by Plate, Piece, Reference and Abbreviated Description Given in
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Piece	Ref.	Description	Drawing Reference
148081	33	Insulation	8750-2285
148080	34	Bracket	10914-123
	35	Machine Screw, No. 10-30x $\frac{5}{8}$ " Fil. Hd. Br. (N. P.) with Nut and Washer (Inc. 1-35a, 1-37 and 1-39).	
	35a	Machine Screw, No. 10-30x $\frac{5}{8}$ " Fil. Hd. Br. (N. P.) for Ref. 35.	
64027	36	Dowel Pin	8097-872
26942	37	Nut	8109-184
44618	38	Washer	7828-184
53	39	Washer	7828-5
145877	40	Lamp Bulb, 11-Volts, 11-Watts, Single Filament (Bayonet Base)	B-12409-18
95268	41	Lamp Bulb, 120-Volts, 36-Watts, Single Filament (Medium Screw Base)	B-12409-6
68467	41a	Lamp Bulb, 115-Volts, 25-Watts, Single Filament (Medium Screw Base)	B-12409-6