



### Marker Lights and One-Color Style "R-2" Light Signal Unit

**ZCG UTILITY SCRAP  
UNION MO 63084**

## Marker Lights and One-Color Style "R-2" Light Signal Unit

If Marker Lights or Signal Units are desired for attaching to different size pipe than listed, orders should so state.

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

Piece	Ref.	Description	Drawing Reference
	<b>A</b>	<b>One-Color Style "R-2" Signal Unit</b> with 20" diameter Background, Supporting Bracket and "U" Bolts for attaching to 5" Pipe or Casing (Orders should specify Unit and Supporting Bracket desired by referring to Refs. 2 to 2d and 8 or 8a and Lamp Bulb desired by referring to Plate B-2571).....	B-10325-96
	<b>Aa</b>	<b>One-Color Style "R-2" Signal Unit</b> with 3'-4" diameter Background, Supporting Bracket and "U" Bolts for attaching to 5" Pipe or Casing (Orders should specify Unit and Supporting Bracket desired by referring to Refs. 2 to 2d and 8 or 8a and Lamp Bulb desired by referring to Plate B-2571).....	B-10325
	<b>Ab</b>	<b>One-Color Style "HC-33" Signal Unit</b> with 12" diameter Background, Supporting Bracket and "U" Bolts for attaching to 5" Pipe or Casing (Orders should specify Unit desired by referring to Plate B-2894 for Units and Ref. 8 or 8a of this Plate for Bracket and Lamp Bulb desired by referring to Plate B-2571).....	C-8965-33
	<b>B</b>	<b>Style "D" C.I. Semaphore Lamp</b> with 2'-2" diameter Background, Supporting Bracket and "U" Bolts for attaching to 5" Pipe or Casing (Orders should specify Unit desired by referring to Refs. 3 to 3b and Lamp Bulb desired by referring to Plate B-2571).....	B-10325
	<b>C</b>	<b>Style "D" C.I. Semaphore Lamp</b> with Hood, Supporting Bracket and "U" Bolts for attaching to 5" Pipe or Casing (Without Background) (Orders should specify Unit desired by referring to Refs. 3c to 3e and Lamp Bulb desired by referring to Plate B-2571).....	B-10325

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**One-Color Style "R-2" Signal Unit with 8<sup>3</sup>/<sub>8</sub>" Converging Outer Lens and Lamp Socket Ref. 45 (Without Background, Supporting Bracket, "U" Bolts and Lamp Bulb) (If Assembly with Letters Refs. 53 to 53j, Spreadlight Lens Ref. 28a or Adapter Ref. 52 for S-11 Lamp Bulb are desired orders should so state).**

Piece	Ref.	Inner Lens	Remarks	Drawing Reference
133867	2	Red		C-8965-18
166462	2a	Yellow		C-8965-18
	2b	Purple		C-8965-18
	2c	Green		C-8965-18
	2d	Lunar White		C-8965-18

**Style "D" C.I. Semaphore Lamp With 5<sup>3</sup>/<sub>8</sub>" Roundel, Lamp Socket for Single Contact Bayonet Base Lamp and Case Drilled for Background Ref. 5 (Without Background and Hood, Lamp Bracket, "U" Bolts and Lamp Bulb) (Refer to Ref. 62 of this Plate for Case and to Plate B-951 for all other Details) (If other Lamp Socket is desired orders should so state by referring to Plate B-951).**

Piece	Ref.	Roundel	Remarks	Drawing Reference
	3	40° Deflecting	Orders should specify color desired	C-8965-44
	3a	20° Deflecting	Orders should specify color desired	C-8965-44
	3b	Convex	Orders should specify color desired	C-8965-44

**Style "D" C.I. Semaphore Lamp with 5<sup>3</sup>/<sub>8</sub>" Roundel, Lamp Socket for Single Contact Bayonet Base Lamp and Case Not Drilled for Background (Without Hood, Lamp Bracket, "U" Bolts and Lamp Bulb) (Refer to Plate B-951 for Details).**

Piece	Ref.	Roundel	Remarks	Drawing Reference
	3c	40° Deflecting	Orders should state color desired	B-9224-69
	3d	20° Deflecting	Orders should state color desired	B-9224-69
	3e	Convex	Orders should state color desired	B-9224-69

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Order by Plate, Piece, Reference and Abbreviated  
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Piece	Ref.	Description	Drawing Reference
124376	4	Background, 20" Diameter for Ref. A.....	C-8964-23
145225	4a	Background, 3'-4" Diameter for Ref. Aa.....	C-8964-52
161338	4b	Background, 2'-2" Diameter.....	C-8964-23
167644	5	Background, 2'-2" Diameter, with Hood Ref. 6 for Ref. B.....	C-8964-79
167497	5a	Disc for covering Sighting Hole, for Ref. 5.....	10933-52
54936	5b	Rivet for attaching Ref. 5a to Ref. 5.....	10301-50
167642	6	Hood for Ref. 5.....	C-8901-31
	6a	Rivet, $\frac{1}{8}$ "x $\frac{1}{4}$ " Rd. Hd. I. for attaching Hood Ref. 6 to Background Ref. 5.	
194722	7	Hood for Ref. C.....	C-8964-5
148526	8	Supporting Bracket Complete for 4", 5" and 6" Pipe ("Z" dim. approximately 20 $\frac{3}{4}$ ").....	C-8964-65
149919	8a	Supporting Bracket Complete for 4", 5" and 6" Pipe ("Z" dim. approximately 14 $\frac{3}{4}$ ").....	C-8964-65
148494	9	Supporting Arm Only for 5" and 6" Pipe, for Ref. 8	C-8964-64
149918	9a	Supporting Arm Only for 5" and 6" Pipe, for Ref. 8a	C-8964-69
125752	10	Supporting Bracket.....	C-8964-25
148525	11	Adjusting Bracket.....	C-8964-65
16458	12	Pin, $\frac{5}{8}$ "x5 $\frac{3}{4}$ " with two $\frac{3}{16}$ "x1 $\frac{1}{8}$ " S. Cotters (Cad. Pl.).....	B-10216-1
24289	13	Pin, $\frac{1}{2}$ "x2 $\frac{3}{8}$ " with two $\frac{1}{8}$ "x $\frac{3}{4}$ " S. Cotters (Cad. Pl.)	B-10215-1
125826	14	Eye Bolt with three $\frac{5}{8}$ "-11 Hex. Nuts (Cad. Pl.) and two $\frac{5}{8}$ " Plate Washers (Cad. Pl.).....	8034-66
81667	15	Bolt, 1"x5" with two 1" Hex. Jam Nuts (Cad. Pl.) Washer Ref. 15a and one $\frac{1}{4}$ "x1 $\frac{1}{2}$ " S. Cotter (Cad. Pl.).....	8479-196

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Order by Plate, Piece, Reference and Abbreviated  
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Piece	Ref.	Description	Drawing Reference
80821	15a	Washer for Ref. 15.....	7826-20
54865	16	"U" Bolt, $\frac{3}{4}$ ", with Hex. Nuts (Cad. Pl.) for attaching Refs. 8 and 8a to 4" Pipe.....	8782-102
43931	16a	"U" Bolt, $\frac{3}{4}$ ", with Hex. Nuts (Cad. Pl.) for attaching Refs. 8 and 8a to 5" Pipe or Casing.....	8782-66
44199	16b	"U" Bolt, $\frac{3}{4}$ ", with Hex. Nuts (Cad. Pl.) for attaching Refs. 8 and 8a to 6" Pipe.....	8782-69
	17	Conduit, $\frac{3}{4}$ " Galv. Single Strip Flexible (Orders should specify length desired).	
	18	$\frac{3}{4}$ " M.I. Galv. Jake Straight Box Connector.	
	19	$\frac{3}{4}$ " M.I. Galv. Male and Female Union.	
	20	Tap Bolt, $\frac{3}{8}$ "x1" Hex. Hd. (Cad. Pl.) with $\frac{3}{8}$ " Pl. S. Lock Washer ( $\frac{11}{64}$ "x $\frac{3}{4}$ " (Cad. Pl.) and $\frac{3}{8}$ " Std. Hex. Nut (Cad. Pl.).	
117219	21	Lamp Bracket Complete, "Y" diam. 16 $\frac{1}{4}$ " approximately for Refs. B and C.....	B-8069-245
113829	21a	Lamp Bracket Complete, "Y" diam. 21 $\frac{3}{4}$ " approximately for Refs. B and C.....	B-8069-24
43130	22	Clamp for 4" Pipe for Refs. B and C.....	B-8812-53
56536	22a	Clamp for 5" Casing for Refs. B and C.....	B-8795-16
47841	22b	Clamp for 5" Pipe for Refs. B and C.....	B-6821-33
57529	22c	Clamp for 6" Pipe for Refs. B and C.....	B-9932-12
43021	23	"U" Bolt, $\frac{3}{4}$ ", with Hex. Nuts (Cad. Pl.) and $\frac{3}{4}$ " Pl. S. Lock Washers ( $\frac{3}{16}$ "x $\frac{3}{16}$ " (Cad. Pl.) for attaching Ref. 22 to 4" Pipe.....	8782-64
43128	23a	"U" Bolt, $\frac{3}{4}$ ", with Hex. Nuts (Cad. Pl.) and $\frac{3}{4}$ " Pl. S. Lock Washers ( $\frac{3}{16}$ "x $\frac{3}{16}$ " (Cad. Pl.) for attaching Refs. 22a and 22b to 5" Pipe or Casing..	8782-63
43129	23b	"U" Bolt, $\frac{3}{4}$ ", with Hex. Nuts (Cad. Pl.) and $\frac{3}{4}$ " Pl. S. Lock Washers ( $\frac{3}{16}$ "x $\frac{3}{16}$ " (Cad. Pl.) for attaching Ref. 22c to 6" Pipe.....	8782-65

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Piece	Ref.	Description	Drawing Reference
	24	Bolt, $\frac{1}{2}$ "x $1\frac{3}{4}$ " Sq. Hd. (Cad. Pl.) with Hex. Nut (Cad. Pl.) and $\frac{1}{2}$ " Pl. S. Lock Washer ( $\frac{3}{16}$ "x $\frac{3}{32}$ " (Cad. Pl.) for attaching Lamp Bracket Ref. 21 to Clamp Ref. 22.	
	25	Bolt, $\frac{1}{4}$ "x $1\frac{1}{2}$ " Hex. Hd. S. (Cad. Pl.) with Hex. Nut (Cad. Pl.) and $\frac{1}{4}$ " Pl. S. Lock Washer ( $\frac{1}{16}$ "x $\frac{1}{16}$ " (Cad. Pl.).	
124390	26	Case and Door with Hasp and Ventilators.....	C-8965-17
71329	27	Red Inside Lens, $5\frac{1}{2}$ " Diameter.....	B-8276-23
68162	27a	Yellow Inside Lens, $5\frac{1}{2}$ " Diameter.....	B-8276-23
71331	27b	Green Inside Lens, $5\frac{1}{2}$ " Diameter.....	B-8276-23
133171	27c	Lunar White Inside Lens, $5\frac{1}{2}$ " Diameter.....	B-8276-23
71330	27d	Clear Inside Lens, $5\frac{1}{2}$ " Diameter.....	B-8276-23
116647	27e	Purple Inside Lens, $5\frac{1}{2}$ " Diameter.....	B-8276-23
71186	28	Clear Outside Standard Lens, $8\frac{3}{8}$ " Diameter.....	B-8276-22
135757	28a	Clear Outside 30° Spreadlite Lens, $8\frac{3}{8}$ " Diameter..	B-8276-34
124373	29	Case Only.....	C-8964-21
	30	Door with Staple and Gasket for One-Color Style "R-2" Signal Unit.....	C-8964-22
72832	31	Hasp Complete.....	8299-66
89918	32	Eye Bolt for Hasp.....	8034-64
124391	33	Rivet.....	B-10206-1
124383	34	Gasket.....	8078-717
37075	35	Pin, $\frac{3}{8}$ "x $1\frac{1}{8}$ " for fastening Eye Bolt to Lugs on Case	B-10207-1
84244	36	Ventilator for Case ("X" diam. $\frac{3}{8}$ ").....	7318-64
34340	37	Ventilator for Door ("X" diam. $\frac{3}{16}$ ").....	C-7459-6

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Piece	Ref.	Description	Drawing Reference
71187	38	Lens Ring.....	7436-106
	39	Machine Screw, No. 10-30x $\frac{3}{8}$ " Rd. Hd. Br.	
	40	Machine Screw, No. 14-24x $\frac{3}{8}$ " Rd. Hd. Br. (Used to plug hole when deflecting prism is not used) (Not shown).	
65898	41	Hood.....	C-8842-15
	42	Machine Screw, No. 10-30x $\frac{1}{4}$ " Rd. Hd. Br.	
124382	43	Clip for attaching Inside Lens to Case.....	11893-206
	44	Machine Screw, No. 10-30x $\frac{1}{4}$ " Fil. Hd. S. (Tin Pl.) for Ref. 43.	
123630	45	Lamp Receptacle Complete for Refs. A and Aa.....	12415-6
116518	46	Stud for Ref. 45.....	8114-594
125749	47	Sidelight Cover.....	C-8964-22
	48	Machine Screw, No. 10-30x $\frac{5}{8}$ " Fil. Hd. Br.	
	49	Set Screw, $\frac{1}{2}$ "x1" Cup Point Iron.	
130694	50	Deflecting Unit Complete 25° Spread.....	C-8901-63
133504	50a	Deflecting Unit Complete 50° Spread.....	C-8901-63
131706	51	Gasket for Lens Ref. 28.....	8078-1367
146283	52	Adapter for S-11 Lamp Bulb.....	12415-10
135690	53	Lens Assembly, Lettered "M" (Black Letter on Clear Glass).....	C-8901-71
137484	53a	Lens Assembly, Lettered "M" (Clear Letter on black painted glass).....	C-8901-71
135691	53b	Lens Assembly, Lettered "S" (Black letter on clear glass).....	C-8901-71
137485	53c	Lens Assembly, Lettered "S" (Clear letter on black painted glass).....	C-8901-71

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Piece	Ref.	Description	Drawing Reference
153183	53d	Lens Assembly, Lettered "T" (Black letter on clear glass).....	C-8901-71
190518	53e	Lens Assembly, Lettered "T" (Clear letter on black painted glass).....	C-8901-71
192533	53f	Lens Assembly, Lettered "E" (Clear letter on black painted glass).....	C-8901-71
174704	53g	Lens Assembly, Lettered "O" (Black letter on clear glass).....	C-8901-71
164841	53h	Lens Assembly, Lettered "X" (Black letter on clear glass).....	C-8901-71
147937	53j	Lens Assembly, Lettered "Z" (Black letter on clear glass).....	C-8901-71
135666	54	Roundel Housing.....	C-8901-72
90894	55	Lens Ring.....	7436-105
135669	56	Roundel (Frosted).....	8468-44
76736	57	Felt Gasket.....	8078-1268
90893	58	Cork Gasket.....	8078-1318
	59	Lamp Wick, $\frac{1}{16}$ "x $1\frac{1}{2}$ "x $27\frac{1}{2}$ " Long.	
135676	60	Roundel (With Letter "M") for Ref. 53.....	8468-45
137426	60a	Roundel (With Letter "M") for Ref. 53a.....	8468-48
135668	60b	Roundel (With Letter "S") for Ref. 53b.....	8468-44
137427	60c	Roundel (With Letter "S") for Ref. 53c.....	8468-49
153182	60d	Roundel (With Letter "T") for Ref. 53d.....	8468-58
190388	60e	Roundel (With Letter "T") for Ref. 53e.....	8468-67
192532	60f	Roundel (With Letter "E") for Ref. 53f.....	8468-68
174705	60g	Roundel (With Letter "O") for Ref. 53g.....	8468-61



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Piece	Ref.	Description	Drawing Reference
164840	60h	Roundel (With Letter "X") for Ref. 53h.....	8468-59
147936	60j	Roundel (With Letter "Z") for Ref. 53j.....	8468-57
	61	Machine Screw, No. 14-24x2 $\frac{1}{4}$ " Rd. Hd. Br. for attaching Refs. 53 to 53j to Unit.	
167646	62	Case, drilled for application of Background Ref. 5 (For use with Refs. 11 and 14 of Plate B-951) for Refs. 3 to 3b.....	C-8123-19
188122	62a	Case, drilled for application of Background Ref. 5 (For use with Ref. 45 of this Plate) for Refs. 3 to 3b.....	C-8123-19
167652	63	Separator used between background and Case for Ref. B.....	8072-650
	64	Lamp Bulb (Not shown) (When ordering refer to Plate B-2571).....	B-12409
123641	65	Contact Spring with Insulation for Ref. 45.....	8385-1300
141531	66	Insulation (For Repairs) for Ref. 45.....	8750-2251