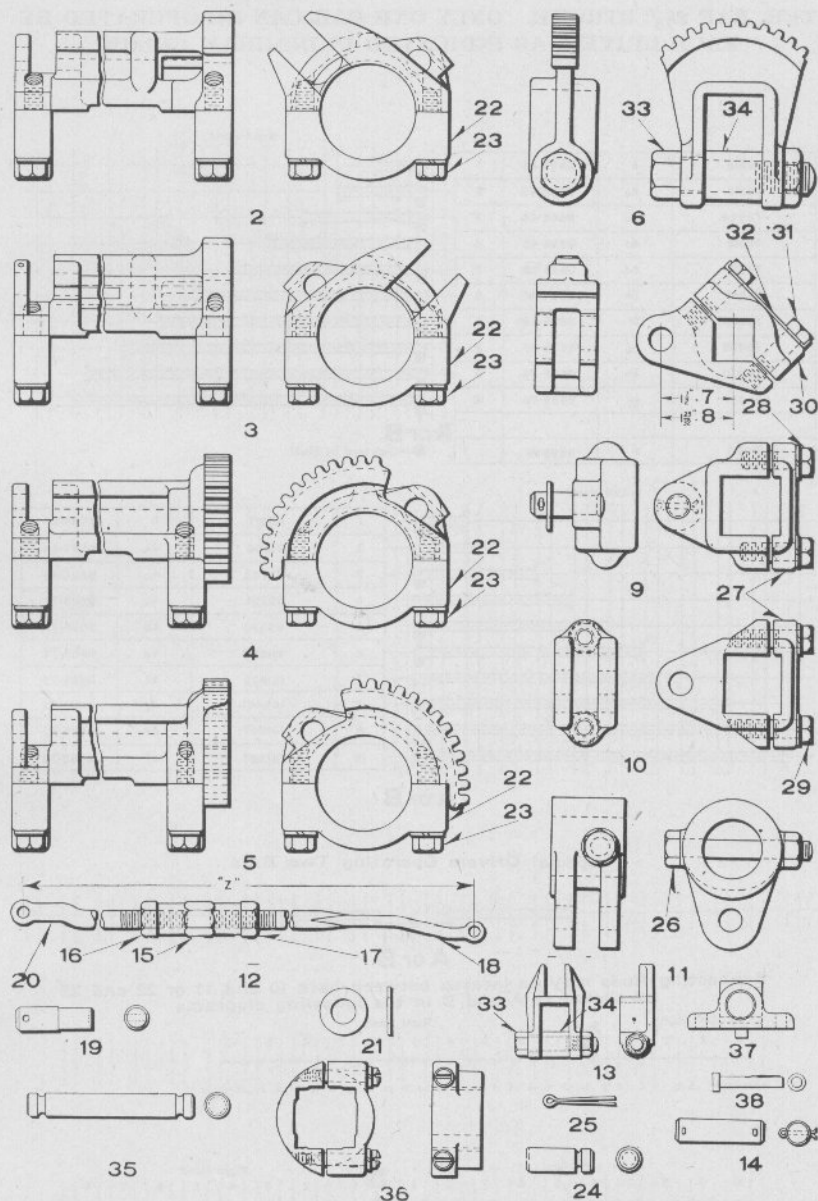


UNION SWITCH & SIGNAL CO.



DRIVERS, OPERATING RODS, AND OPERATING CRANKS

(Refer to two preceding pages for assistance in selection of driver references)

UNION SWITCH & SIGNAL CO.

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

DRIVERS, OPERATING CRANKS AND CONNECTING RODS

Jaw Type Drivers are used on 2-Position Levers normally front or back
Gear Type Drivers are used on 3-Position Levers normally center

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

Piece	Ref.	Description	Drawing Reference
	*2	L. H. Driver, 1-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-30
	*2a	L. H. Driver, 2-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-42
	*2b	L. H. Driver, 3-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-42
	*2c	L. H. Driver, 4-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*2d	L. H. Driver, 5-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*2e	L. H. Driver, 6-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*2f	L. H. Driver, 7-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*2g	L. H. Driver, 8-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*2h	L. H. Driver, 9-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*2j	L. H. Driver, 10-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-85
	*3	R. H. Driver, 1-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-32
	*3a	R. H. Driver, 2-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-44

*Bar can be operated from either side of Jaw.

Zachary C. Gillihan 2008

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UNION SWITCH & SIGNAL CO.

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

(Continued)

DRIVERS, OPERATING CRANKS AND CONNECTING RODS

Jaw Type Drivers are used on 2-Position Levers normally front or back

Gear Type Drivers are used on 3-Position Levers normally center

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

Piece	Ref.	Description	Drawing Reference
	*3b	R. H. Driver, 3-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-44
	*3c	R. H. Driver, 4-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	*3d	R. H. Driver, 5-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	*3e	R. H. Driver, 6-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	*3f	R. H. Driver, 7-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	*3g	R. H. Driver, 8-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	*3h	R. H. Driver, 9-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	*3j	R. H. Driver, 10-Way, complete (Jaw Type). (Includes 1-24, 1-25, 2-36, 1-37 and 2-38).....	9685-83
	4	L. H. Driver, 1-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-34
	4a	L. H. Driver, 2-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-40
	4b	L. H. Driver, 3-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-48
	4c	L. H. Driver, 4-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72

*Bar can be operated from either side of Jaw.

UNION SWITCH & SIGNAL CO.

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

DRIVERS, OPERATING CRANKS AND CONNECTING RODS

Jaw Type Drivers are used on 2-Position Levers normally front or back
Gear Type Drivers are used on 3-Position Levers normally center

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

Piece	Ref.	Description	Drawing Reference
	4d	L. H. Driver, 5-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72
	4e	L. H. Driver, 6-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72
	4f	L. H. Driver, 7-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72
	4g	L. H. Driver, 8-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72
	4h	L. H. Driver, 9-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72
	4j	L. H. Driver, 10-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-72
	5	R. H. Driver, 1-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-36
	5a	R. H. Driver, 2-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-38
	5b	R. H. Driver, 3-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-46
	5c	R. H. Driver, 4-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-66
	5d	R. H. Driver, 5-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-66
	5e	R. H. Driver, 6-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-66

Zachary C. Gillihan 2008

PLATE A-1045

UNION SWITCH & SIGNAL CO.

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

DRIVERS, OPERATING CRANKS AND CONNECTING RODS

Jaw Type Drivers are used on 2-Position Levers normally front or back
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Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
111093	5f	R. H. Driver, 7-Way, complete (Gear Type). (Includes 1-24, 1-25, and 2-36).....	9685-66
	5g	R. H. Driver, 8-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-66
	5h	R. H. Driver, 9-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-66
	5j	R. H. Driver, 10-Way, complete (Gear Type). (Includes 1-24, 1-25 and 2-36).....	9685-66
	6	Driver, complete (Operated by S. & F. Locking Shaft).	9685-19
112399	7	Operating Crank, complete, for Unit Shaft for use with Jaw Type Drivers when 1 $\frac{3}{4}$ " stroke of locking bar is required. (Includes 1-14).....	8192-234
	8	Operating Crank, complete, for Unit Shaft for use with Gear Type Drivers, when 2 $\frac{5}{8}$ " stroke of locking bar is required. (Includes 1-14).....	8192-275
	9	Operating Crank, complete, for use with Gear Type Driver when 2 $\frac{5}{8}$ " stroke of locking bar is required. (Used with Ref. 6 only).....	8192-309
	10	Operating Crank, complete for 1 $\frac{3}{4}$ " bar stroke. (Used with Jaw Type Driver). (Includes 1-14).....	8192-181
	11	Operating Crank, complete, for applying Operating Rod to extended end of Locking Shaft, on 8-Bar Bed, only, outside the back rail. (Used with Refs. 6 and 13). (Includes 1-14).....	8192-319
120529	12	Operating Rod, complete, "Z" dimension 4'-7 $\frac{1}{2}$ ".....	B-10369-20

UNION SWITCH & SIGNAL CO.

STYLE "S-8" ELECTRO-MECHANICAL INTERLOCKING
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(Continued)

DRIVERS, OPERATING CRANKS AND CONNECTING RODS

Jaw Type Drivers are used on 2-Position Levers normally front or back
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Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
123706	12a	Operating Rod, complete, "Z" dimension 4'-11 $\frac{7}{8}$ ". (For use with Machine when Extension Leg is used)	B-10369-20
68056	13	Jaw Driver, complete (Includes 1-37 and 2-38).....	9685-3
6413	14	Pin, $\frac{1}{2}$ "x1 $\frac{1}{8}$ " with two $\frac{1}{8}$ "x $\frac{3}{4}$ " Cotters.....	B-10215-1
54307	15	Turnbuckle for Refs. 12 and 12a.....	8313-18
32819	16	Hex. Nut for Refs. 12 and 12a.....	8265-113
54308	17	Hex. Nut for Refs. 12 and 12a.....	8265-172
128078	18	Lower Half Rod for Ref. 12.....	B-10369-23
128097	18a	Lower Half Rod for Ref. 12a.....	B-10369-23
35277	19	Stud, $\frac{1}{2}$ "x1 $\frac{9}{16}$ " with $\frac{1}{8}$ "x $\frac{3}{4}$ " Cotter for Ref. 9.....	8115-64
54275	20	Upper Half Rod for Refs. 12 and 12a.....	B-10369-13
7309	21	Washer for Ref. 9.....	7826-12
36164	22	Cap for Driver.....	9685-21
	23	Bolt, $\frac{3}{8}$ "x1 $\frac{1}{2}$ " Hex. Hd. with Plain Lock Washer for Drivers.	
54597	24	Pin, $\frac{1}{2}$ "x1 $\frac{3}{8}$ " for Drivers.....	8058-197
	25	Cotter, $\frac{1}{8}$ "x1 $\frac{1}{4}$ " for Drivers.	
85654	26	Bolt, $\frac{3}{8}$ "x2 $\frac{3}{4}$ " with Hex. Nut Ref. 26b and $\frac{1}{8}$ "x1 $\frac{1}{8}$ " Cotter for Ref. 11.....	8709-19

PLATE A-1045

UNION SWITCH & SIGNAL CO.

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

DRIVERS, OPERATING CRANKS AND CONNECTING RODS

Jaw Type Drivers are used on 2-Position Levers normally front or back
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Order by Plate, Piece, Reference and Abbreviated Description Given in
Heavy Face Type Only

Piece	Ref.	Description	Drawing Reference
31549	26a	Bolt, $\frac{3}{8}$ "x2 $\frac{3}{4}$ " only for Ref. 26.....	8709-19
34292	26b	Hex. Nut for Ref. 26.....	B-8265-3
36126	27	Cap for Refs. 9 and 10.....	8192-181
	28	Tap Bolt, $\frac{3}{8}$ "x1 $\frac{1}{8}$ " Hex. Hd. with Plain Lock Washer for Ref. 9.	
	29	Tap Bolt, $\frac{3}{8}$ "x1" Hex. Hd. with Plain Lock Washer for Ref. 10.	
42826	30	Cap for Refs. 7 and 8.....	8192-234
	31	Tap Bolt, $\frac{3}{8}$ " Hex. Hd. for Refs. 7 and 8.	
42827	32	Lock Washer for Refs. 7 and 8.....	8486-248
	33	Cap Screw, $\frac{5}{8}$ "x2 $\frac{3}{4}$ " Hex. Hd. with $\frac{5}{8}$ "x $\frac{3}{8}$ " Hex. Jam Nut for Refs. 6 and 13.	
7237	34	Filler for Refs. 6 and 13.....	C-6551-1
98296	35	Pin, $\frac{1}{2}$ "x5 $\frac{3}{32}$ " for connecting Two Drivers of the same type operating Two Bars.....	8058-206
68350	36	Journal, complete.....	8093-87
69057	37	Driving Piece.....	C-6551-1A
56382	38	Rivet, for Ref. 37.....	B-9965-1