						Parts		
_ <b>S10</b>	& LSMM10	Line	ea	r Sl	ide	<b>060</b> Replaced P 0600-0005 8	<b>0-400</b> 2 Parts Sh & 0600-	neet
9								
		to a l	10		(20)	Note: Linear Slide Optional Shock A		
() ist of Part				(16)		Optional Shock A	bsorber	S
T ist of Part	DESCRIPTION	17) 17) 1810	TSMM10	16) -	PART NO.	Optional Shock A	bsorber	S
7 <i>ist of Part</i> <sup>A</sup> Part NO. 1 <sup>1</sup> . 0910-1172	Description Screw	17) 17) 1810	18 18 4	16)	Part no. 0610-1042	Optional Shock A DESCRIPTION Square Nut	bsorber	
7 <i>ist of Part</i> <sup>11.</sup> 0910-1172 <sup>21.</sup> 0610-1012	Description Screw End Cap	17) 17) 18] 4 2	18 01WWST 4 2	16)	Part no. 2610-1042 5610-1042	Optional Shock A DESCRIPTION Square Nut Square Nut	bsorber	
7 ist of Part PART NO. 1. 0910-1172 2 <sup>1</sup> . 0610-1012 3 <sup>1</sup> . 4515-1012	Description Screw End Cap Band Insert	17) 17) 4 2 2	18 (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (19	16)	PART NO. 2610-1042 5610-1042 2910-9013	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly	bsorber	s 8 1
7 <i>ist of Part</i> <sup>1</sup> . 0910-1172 <sup>1</sup> . 0610-1012 <sup>31</sup> . 4515-1012 <sup>41</sup> . 4520-1012	DESCRIPTION Screw End Cap Band Insert Spring, Compression	17 17 4 2 2 2	18 01WWST 4 2 2 2	16)	PART NO. 2610-1042 5610-1042 2910-9013 2910-1206	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup	bsorber	s 01/1/1/15 8 1 2
7 <i>ist of Part</i> PART NO. 1. 0910-1172 2 <sup>1</sup> . 0610-1012 3 <sup>1</sup> . 4515-1012 4 <sup>1</sup> . 4520-1012 5. 0610-1046	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw	0157 4 2 2 2 4	18 (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (18) (19	16) ITEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F	PART NO. 2610-1042 5610-1042 2910-9013 2910-1206 RTBLS10 SK	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke)	bsorber	s
7 <i>ist of Part</i> <sup>11.</sup> 0910-1172 <sup>21.</sup> 0610-1012 <sup>31.</sup> 4515-1012 <sup>41.</sup> 4520-1012 <u>5.</u> 0610-1046 <u>6.</u> 0610-9000	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly	0157 4 2 2 2 4 1	18 01WWST 4 2 2 2	16) ITEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 5 F	PART NO. D610-1042 5610-1042 0910-9013 0910-1206 RTBLS10 SK RTBLS10 SM	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke)	bsorber	s OLIVINS 8 1 2 A/I A/I
7 <i>ist of Part</i> PART NO. 1. 0910-1172 2. 0610-1012 3. 4515-1012 4. 4520-1012 5. 0610-1046 6. 0610-9000 7. 1014-1065	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe	0157 4 2 2 2 4	0180 01WWST 4 2 2 4 1 1	16) ITEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 5 F 20 <sup>6</sup> . (	PART NO. D610-1042 5610-1042 D910-9013 D910-1206 RTBLS10 SK RTBLS10 SM CONFIGURED	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke)	bsorber 055 8 1 2 A/R A/R 2A/R 2A/R	s 0000000 8 1 2 A/1 2 A/1 2 A/1 2 A/1
PART NO.           11. 0910-1172           21. 0610-1012           31. 4515-1012           41. 4520-1012           5. 0610-1046           6. 0610-9000           7 <sup>2</sup> . 1014-1065           5910-1006	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe Pipe Plug	17 17 4 2 2 2 2 4 1 2 2 4 1 2	18 01WWST 4 2 2 2	16) TEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 5 F 20 <sup>6</sup> . ( 7 (	PART NO. 0610-1042 0910-9013 0910-1206 RTBLS10 SK RTBLS10 SM 000HGURED 000HGURED 000HGURED	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke)	bsorber	s
ist of Part           1         PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           72.         1014-1065           5910-1006         8.           8.         0610-9002	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe Pipe Plug Head Sub-Assembly	0157 4 2 2 2 4 1	18 000000000000000000000000000000000000	16) TEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 20 <sup>6</sup> . ( 7 ( 21. (	PART NO. D610-1042 5610-1042 D910-9013 D910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SM CONFIGURED D0NFIGURED D610-1103	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke)	bsorber	s 0000005 88 1 2 2 A/ 2 A/ 2 A/ 2 A/ 2 A/
ist of Part           1         PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           72.         1014-1065           5910-1006         8.           0610-9002         5610-9002	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe Pipe Plug Head Sub-Assembly Head Sub-Assembly	17 17 17 17 17 17 17 17 17 17	18 000000000000000000000000000000000000	16) TEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 20 <sup>6</sup> . ( 7 ( 21. ( 22 <sup>8</sup> . )	PART NO. 2610-1042 5610-1042 2910-9013 2910-1206 ATBLS10 SK ATBLS10 SM 20NFIGURED 20NFIGURED 20NFIGURED 2010-1103 NGSLS10 SK	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke)	bsorber	s 044000 8 8 1 2 8 1 2 8 1 2 4 2 4 2 4 2 4 2 4
The second system         The second system           1         PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           72.         1014-1065           5910-1006         8.           0610-9002         5610-9002           92.         0610-1026	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe Pipe Plug Head Sub-Assembly Head Sub-Assembly Head Sub-Assembly Hex Nut	17 17 17 17 17 17 17 17 17 17	18 01WWST 4 2 2 4 1 2 2 2 4 1 2 2 2 2 2 2 2 2 2	16) TEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 5 F 20 <sup>6</sup> . ( 7 ( 21. ( 22 <sup>8</sup> . N 9 N	PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SM 20NFGURED 20NFGURED 20NFGURED 20NFGURED 2010-1103 NGSLS10 SK VGSLS10 SM	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke)	bsorber 0,5 8 1 2 A/R A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R	s 0000000 8 1 2 2 4 1 2 2 4 1 2 2 4 2 2 4 2 2 4 2 2 4
The second system         The second system           1         PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           72.         1014-1065           5910-1006         8.           8.         0610-9002           5610-9002         5610-9002           92.         0610-1026           02.         0610-1016	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe Pipe Plug Head Sub-Assembly Head Sub-Assembly Head Sub-Assembly Hex Nut Hex Head Screw	17 0157 4 2 2 4 1 2 2 4 1 2 2 4 1 2 2 2 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2	18 01WWST 4 2 2 4 1 2 2 2 2 2 2 2 2 2	16) ITEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 5 F 20 <sup>6</sup> . ( 7 ( 21. ( 22 <sup>8</sup> . N 9 N 23 <sup>1</sup> . (	PART NO. 2610-1042 5610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK 2000FIGURED 2000F	DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N	bsorber	s 000000000000000000000000000000000000
PART NO.           1         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           7 <sup>2</sup> .         1014-1065           5910-1006         8.           8.         0610-9002           5610-9002         5610-9002           9 <sup>2</sup> .         0610-1026           0 <sup>2</sup> .         0610-1016           11.         0610-1017	DESCRIPTION Screw End Cap Band Insert Spring, Compression Set Screw Carriage Sub-Assembly Plug, Pipe Pipe Plug Head Sub-Assembly Head Sub-Assembly Head Sub-Assembly Hex Nut Hex Head Screw Band Wedge	015 17 015 4 2 2 4 1 2 2 4 1 2 2 2 2 2 2 2 2 2 2 2 2 2	18 01WWST 4 2 2 4 1 2 2 2 4 1 2 2 2 2 2 2 2 2 2	16) TEM F 16. ( 17. ( 18 <sup>1</sup> . ( 19 <sup>4</sup> . F 20 <sup>6</sup> . ( 7 ( 21. ( 22 <sup>8</sup> . N 9 N 23 <sup>1</sup> . ( 24 <sup>1</sup> . (	PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK 2000FIGURED 2000F	DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N	bsorber 0,57 8 1 2 A/R A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R 2A/R	s 8 8 1 2 4 1 2 4 2 4 2 4
PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           7 <sup>2</sup> .         1014-1065           5910-1006         8.           8.         0610-9002           9 <sup>2</sup> .         0610-1026           0 <sup>2</sup> .         0610-1017           21.         NSBLS10 SK	DESCRIPTION         Screw         End Cap         Band Insert         Spring, Compression         Set Screw         Carriage Sub-Assembly         Plug, Pipe         Pipe Plug         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Band Wedge         Sealing Band (specify stroke)	015 17 015 4 2 2 4 1 2 2 4 1 2 2 2 2 2 2 2 2 2 2 1	01         01           18         0           4         2           2         2           4         1           2         2           4         1           2         2           2         2           2         2           2         2           2         2           2         1	16)	PART NO. D610-1042 5610-1042 D910-9013 D910-1206 RTBLS10 SK RTBLS10 SK CONFIGURED D610-1103 VGSLS10 SK VGSLS10 SK V	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping	bsorber	s 8 8 1 2 A/F 2A/ 2A/ 2A/ 2A/ 2A/ 2A/ 2A/ 2A/ 2A/ 2A/
PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           7 <sup>2</sup> .         1014-1065           5910-1006         8.           8.         0610-9002           9 <sup>2</sup> .         0610-1026           0 <sup>2</sup> .         0610-1017           11.         0610-1017           21.         NSBLS10 SM	DESCRIPTION         Screw         End Cap         Band Insert         Spring, Compression         Set Screw         Carriage Sub-Assembly         Plug, Pipe         Pipe Plug         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Hex Nut         Hex Head Screw         Band Wedge         Sealing Band (specify stroke)         Sealing Band (specify stroke)	17 17 17 17 17 17 17 17 17 17	18 01WWST 4 2 2 4 1 2 2 2 2 2 2 2 2 2	16)	PART NO. D610-1042 5610-1042 0910-9013 0910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK CONFIGURED D00FIGURED D610-1103 VGSLS10 SK VGSLS10 SK VGSLS10 SM 0910-1160 0720-1003 0610-1011 0915-1044	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw	bsorber 953 8 1 2 4/R 2A/R	s 8 8 1 2 4 1 2 4 2 4 2 4 8 2 2 4 8 2
PART NO.           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           7 <sup>2</sup> .         1014-1065           5910-1006         8.           8.         0610-9002           9 <sup>2</sup> .         0610-1026           0 <sup>2</sup> .         0610-1017           2 <sup>1</sup> .         NSBLS10 SK           3         NDBLS10 SK	DESCRIPTION         Screw         End Cap         Band Insert         Spring, Compression         Set Screw         Carriage Sub-Assembly         Plug, Pipe         Pipe Plug         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Hex Nut         Hex Head Screw         Band Wedge         Sealing Band (specify stroke)         Sealing Band (specify stroke)         Dust Band (specify stroke)	17 17 17 17 17 17 17 17 17 17	Image: 18         Other state	ITEM         ITEM <td< td=""><td>PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK RTBLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SM 2910-1160 20720-1003 20610-1011 2915-1044 20610-1100</td><td>Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw Light Duty Shock Absorber</td><td>bsorber</td><td>s 0000051 8 8 1 2 2 4 2 4 2 2 4 2 2 4 8 2 2 4 8 2 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5</td></td<>	PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK RTBLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SM 2910-1160 20720-1003 20610-1011 2915-1044 20610-1100	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw Light Duty Shock Absorber	bsorber	s 0000051 8 8 1 2 2 4 2 4 2 2 4 2 2 4 8 2 2 4 8 2 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 2 4 5 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
ist of Part           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           72.         1014-1065           5910-1006         8.           8.         0610-9002           92.         0610-1016           11.         0610-1017           21.         NSBLS10 SK           3         NDBLS10 SK           3         NDBLS10 SM	DESCRIPTION         Screw         End Cap         Band Insert         Spring, Compression         Set Screw         Carriage Sub-Assembly         Plug, Pipe         Pipe Plug         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Hex Nut         Hex Head Screw         Band Wedge         Sealing Band (specify stroke)         Sealing Band (specify stroke)         Dust Band (specify stroke)         Dust Band (specify stroke)	17 17 17 17 17 17 17 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Image: 18         OLIMWSS1         4         2         2         4         1         2         2         4         1         2         1         ***         1         ***         1         ***         1         ***         1         ***         1         **         1         **         1         **         1         **         1         **         1         **         1         **         1         **         1         1         **         1 <th1< th="">         1         1</th1<>	ITEM         ITEM <td< td=""><td>PART NO. D610-1042 5610-1042 0910-9013 0910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK CONFIGURED D00FIGURED D610-1103 VGSLS10 SK VGSLS10 SK VGSLS10 SM 0910-1160 0720-1003 0610-1011 0915-1044</td><td>Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw</td><td>bsorber 953 8 1 2 4/R 2A/R</td><td>s 0000051 8 8 1 2 2 4 7 2 4 2 4 2 2 4 8 2 2 4 8 2 2 4 8 2 2 4 5 7 2 4 8 2 2 4 5 7 2 4 7 8 7 2 4 7 2 8 7 2 4 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 1 9</td></td<>	PART NO. D610-1042 5610-1042 0910-9013 0910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK CONFIGURED D00FIGURED D610-1103 VGSLS10 SK VGSLS10 SK VGSLS10 SM 0910-1160 0720-1003 0610-1011 0915-1044	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw	bsorber 953 8 1 2 4/R 2A/R	s 0000051 8 8 1 2 2 4 7 2 4 2 4 2 2 4 8 2 2 4 8 2 2 4 8 2 2 4 5 7 2 4 8 2 2 4 5 7 2 4 7 8 7 2 4 7 2 8 7 2 4 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 1 9
ist of Part           1         0910-1172           21         0610-1012           31         4515-1012           41         4520-1012           5         0610-1046           6         0610-9000           72         1014-1065           5910-1006         8           8         0610-9002           92         0610-1016           11         0610-1017           21         NSBLS10 SK           3         NDBLS10 SK           3         NDBLS10 SM           14.         0610-1005	DESCRIPTION         Screw         End Cap         Band Insert         Spring, Compression         Set Screw         Carriage Sub-Assembly         Plug, Pipe         Pipe Plug         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Hex Nut         Hex Head Screw         Band Wedge         Sealing Band (specify stroke)         Dust Band (specify stroke)         Dust Band (specify stroke)         Bearing, Linear	015           4           2           2           2           4           1           2           2           4           1           2           1           ***           4	Image: 18         OLIMWST         4         2         2         2         2         4         1         2         1         ***         1         ***         4	ITEM         ITEM <td< td=""><td>PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK RTBLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SM 2910-1160 20720-1003 20610-1011 2915-1044 20610-1100</td><td>Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw Light Duty Shock Absorber</td><td>bsorber</td><td>s 1 2 2 4/F 2 4/F 2 2 4/ 2 2 4/ 2 2 4/ 2 2 4/ 2 2 2 2 2 2</td></td<>	PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK RTBLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SM 2910-1160 20720-1003 20610-1011 2915-1044 20610-1100	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw Light Duty Shock Absorber	bsorber	s 1 2 2 4/F 2 4/F 2 2 4/ 2 2 4/ 2 2 4/ 2 2 4/ 2 2 2 2 2 2
ist of Part           11.         0910-1172           21.         0610-1012           31.         4515-1012           41.         4520-1012           5.         0610-1046           6.         0610-9000           7 <sup>2</sup> .         1014-1065           5910-1006         8.           8.         0610-9002           9 <sup>2</sup> .         0610-1016           11.         0610-1017           2 <sup>1</sup> .         NSBLS10 SK           3         NDBLS10 SK           3         NDBLS10 SM	DESCRIPTION         Screw         End Cap         Band Insert         Spring, Compression         Set Screw         Carriage Sub-Assembly         Plug, Pipe         Pipe Plug         Head Sub-Assembly         Head Sub-Assembly         Head Sub-Assembly         Hex Nut         Hex Head Screw         Band Wedge         Sealing Band (specify stroke)         Sealing Band (specify stroke)         Dust Band (specify stroke)         Dust Band (specify stroke)	17 17 17 17 17 17 17 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Image: 18         OLIMWSS1         4         2         2         4         1         2         2         4         1         2         1         ***         1         ***         1         ***         1         ***         1         ***         1         **         1         **         1         **         1         **         1         **         1         **         1         **         1         **         1         1         **         1 <th1< th="">         1         1</th1<>	ITEM         ITEM <td< td=""><td>PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK RTBLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SM 2910-1160 20720-1003 20610-1011 2915-1044 20610-1100</td><td>Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw Light Duty Shock Absorber</td><td>bsorber</td><td>s 0000051 8 8 1 2 2 4 7 2 4 2 4 2 2 4 8 2 2 4 8 2 2 4 8 2 2 4 5 7 2 4 8 2 2 4 5 7 2 4 7 8 7 2 4 7 2 8 7 2 4 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 1 9</td></td<>	PART NO. 2610-1042 2610-1042 2910-9013 2910-1206 RTBLS10 SK RTBLS10 SK RTBLS10 SK RTBLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SK VGSLS10 SM 2910-1160 20720-1003 20610-1011 2915-1044 20610-1100	Optional Shock A DESCRIPTION Square Nut Square Nut Piston Bracket Sub-Assembly U-Cup Tube (specify stroke) Tube (specify stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) V-Block, Machined (spec. stroke) Cap Screw (Qty. depends on stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) Shaft, Machined (specify stroke) O-Ring, Buna-N O-Ring, Buna-N Screw, Self-Tapping Set Screw Light Duty Shock Absorber	bsorber	s 0000051 8 8 1 2 2 4 7 2 4 2 4 2 2 4 8 2 2 4 8 2 2 4 8 2 2 4 5 7 2 4 8 2 2 4 5 7 2 4 7 8 7 2 4 7 2 8 7 2 4 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 2 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 7 8 7 1 9 1 9

<sup>4</sup>Replacement tube for LS manufactured after October 13, 2007 order with code RTBLS10 SK and specify stroke SK \_\_.\_\_ in inches

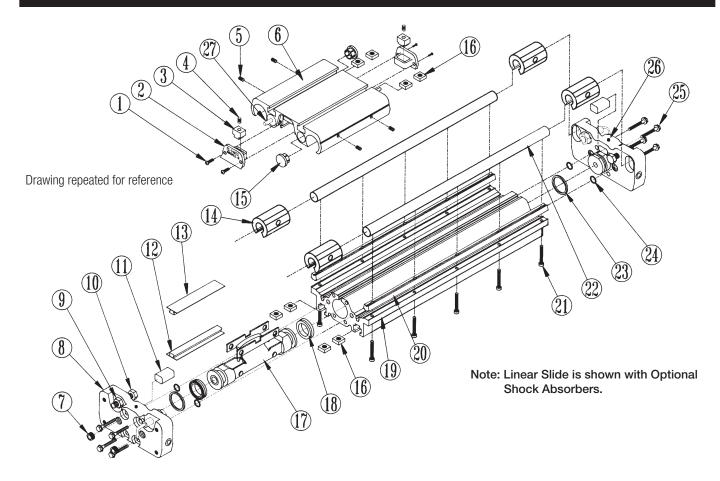
<sup>5</sup>Replacement tube for LS manufactured before October 13, 2007 order with no. 0610-1001 and specify stroke SK \_\_\_\_ in inches

<sup>6</sup>Replacement V-Block for LS manufactured after October 13, 2007 order with code RVRLS10 and

specify stroke SK \_\_.\_\_ in inches

<sup>9</sup>Replacement shaft for LS manufactured before October 13, 2007 order with no. 0610-1032 and specify stroke SK \_\_\_\_ in inches

<sup>10</sup>Parts shown are shocks only. Field retrofit Kits are 0610-9022 Light Duty and 0610-9023 Heavy Duty.



### DISASSEMBLY

- 1. Remove Slide Cylinder from machinery.
- 2. Remove Screws (#1), and End Caps (#2). \*Use care as End Caps (#2) are spring loaded.
- 3. Loosen set screws in Head Assemblies (#8).
- 4. Remove eight Screws (#25), and two Head Assemblies (#8).
- 5. Slide Piston/Bracket (#17) and Carrier (#6) out end of Tube/Base (#19).
- 6. Remove Screws (#5), and Bearings (#14), from Carrier (#6).
- 7. Remove Top Dust Band (#13).
- Remove Inside Sealing Band (#12) by passing a screw driver or similar tool through the slot in the Tube/Base (#19) to dislodge the band. \*Take care in doing this step to make certain that NO SCRATCHES ARE MADE in the Tube/Base (#19) bore or slot.

### ASSEMBLY

- Thoroughly clean all components, particularly the bore, slot, and bands. <u>Carefully lubricate the tube and all rubber parts with</u> <u>MAGNALUBE®"G".</u>
- Insert new sealing band (#12) into the Tube/Base (#19) bore (with the rubber portion facing up into the slot), centering the band along its entire length. \*CAUTION: The metal edges of the band are very sharp. Exercise caution to avoid injury to yourself or the the Band and Tube/Base (#19) (When installing both the Inner and Top Bands).

- Install the Piston/Bracket (#17), with new U-Cups (#18) in place in the Tube/Base by passing the Inner Sealing Band through the Piston/Bracket.
- 4. Push the Piston/Bracket (#17) along the cylinder length to position the Inner Band (#12) properly into the slot.
- 5. Cut Sealing Band (#12) to leave .5" overhang at either end of the Tube/Base. Remove rubber portion of overhanging band with a razor blade.
- Install the Top Dust Band (#13) with the rubber sealing portion facing down into the slot and centering the band along its entire length. The band should lay over the center of the Piston/Bracket.
- 7. Cut Dust Band (#13) to leave .5" overhang at either end of the Tube/Base. Remove rubber portion of overhanging band with a razor blade.
- 8. Place two Bearings (#14) on each shaft (#22) with lowest set screw holes facing outward.
- Install Carrier (#6) over Piston/Bracket (#17). Care must by taken to assure key in the bottom of the Carrier (#6) fits into the Piston/ Bracket (#17) slot and one Bearing (#14) per Shaft (#22) is on either side of the Carrier (#6).
- 10. Push Bearings (#14) in Carrier (#6) as far as Carrier (#6) bores will permit.
- 11. Install Set Screws (#5). Apply Loctite #242 to Set Screws (#5) and screw them into Carrier (#6) until they bottom out on Bearings (#14), then back them out one half turn.
- 12. Install Springs (#4) and Band Inserts (#3) into End Caps (#2) and install in Carrier (#6) ends. Push Springs (#4) down to

clear underside of Carrier (#6). Use Screws (#1) to hold End Cap (#2) in place.

- 13. Place Band Wedges (#11) between Bands (#12,#13) at both ends of cylinder.
- 14. Install new O-Rings (#23,#24) on Head Assemblies (#8) and install Head Assemblies to cylinder. If using Square Nuts (#16) be sure they are installed in Tube/Base before Heads are installed.
- 15. Install Screws (#25) and tighten Head Assemblies in place.
- 16. Push Carrier (#6) to one end and tighten Set Screw in Head Assembly on that end. Push Carrier (#6) to the other end of the Slide Cylinder to take out any slack in Bands (#12,#13) and tighten Set Screw (#26) in Head Assemblies (#8).
- 17. Run Carrier (#6) back and forth along the full stroke to make certain the Slide is properly assembled.
- 18. Remount the completed Slide Cylinder.

### SHAFT AND BEARING REPLACEMENT INSTRUCTIONS

Note: Shaft alignment is critical to assure proper function of the slide cylinder.

- 1. Remove Slide Cylinder from machinery.
- 2. Loosen two Set Screws (#26) in Head Assembly (#8) on one end of Cylinder.
- 3. Remove four screws (#25), and Head Assembly (#8) from same end of Cylinder.
- 4. Remove Screws (#21) from one shaft (#22).
- 5. Slide Shaft (#22) out of Carrier (#6).
- 6. Remove and replace Set Screws (#5) and Bearing (#14) from open side of Carrier (#6). Use Loctite #242 on Set Screws (#5) and screw them into Carrier (#6) until they bottom out on bearings (#14), then back them out one half turn.
- 7. Slide new Shaft (#22) through Bearings (#14). Replace Screws (#21) loosely, use Loctite #242 on Screws (#21).
- 8. Hold Top Dust Band (#13) at open end of Cylinder and slide Carrier (#6) to opposing end.
- 9. Tighten Screws (#21) below Carrier (#6) to 40 inch-pounds minimum.
- To align Shaft (#22) properly, slide carrier over next Screw (#21) and tighten to 15 inch-pounds minimum. Repeat this until all Screws (#21) are tight.
- 11. Repeat steps 5 through 11 for second Shaft (#22).
- 12. Place Band Wedge (#11) between Bands (#12,#13) at open end of Cylinder.
- Be sure O-rings are on Head Assembly (#8) and install Head Assembly (#8) to Cylinder. If using Square Nuts (#16) be sure they are installed in Tube/Base (#17) before Head is installed.
- 14. Install four Screws (#25) and tighten to 70-80 inch-pounds.
- Position Carrier (#6) to the end of Cylinder with non-removed Head Assembly (#8). Push Carrier (#6) back to other end to remove any slack from Bands (#12,#13) and tighten Set Screws in Head Assembly (#8).
- 16. Run Carrier back and forth along the full stroke to make certain the Slide is properly assembled before applying air.

17. Remount the completed Slide Cylinder.

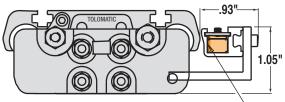
Loctite® is a registered trademark of the Loctite Corporation, www.loctite.com Magnalube®-G is a registered trademark of the Carleton-Stuart Corporation, www.magnalube-g.com Viton® is a registered trademark of the E.I. Du Pont de Newmours Co., www.dupont.com.

# **OPTIONAL ACCESSORIES**

Shock Absorber (Shock absorbers are sold individually.)							
DESCRIPTION		PART NO.					
1"/25mm	Light Duty	0610-9022					
1"/25mm	Heavy Duty	0610-9023					

Inductive DC Proximity Sensors (also sold individually.)DESCRIPTIONPART NO.DC 10-24NPN NO Sink0610-1023DC 10-24PNP NO Source0610-1024NOTE: NO=Normally OpenOpen

# SWITCH AND HARDWARE LISTING



## **SENSING SURFACE**

TEM	PART NO. or		
Ε	CONFIG. CODE	Description	QTY
	RT	Switch, Reed, Form A, 5M Wire	AR
	RM	Switch, Reed, Form A, Male Connect	AR
	BT	Switch, Reed, Form C, 5M Wire	AR
	BM	Switch, Reed, Form C, Male Connect	AR
	CT	Switch, Triac, 5M Wire	AR
	CM	Switch, Triac, Male Connect	AR
	TT	Switch, Hall, Sourcing, 5M	AR
	TM	Switch, Hall, Sourcing, Male Connect	AR
	KT	Switch, Hall, Sinking, 5M	AR
	KM	Switch, Hall, Sinking, Male Connect	AR
	0610-9100	Rail and Rail Hardware (specify stroke)	AR

### **REED SWITCHES**

**NOTE:** Form A Reed Switches should not be used in TTL logic circuits. A voltage drop caused by the L.E.D. indicator will result. For applications where TTL circuits are used, please contact the factory.

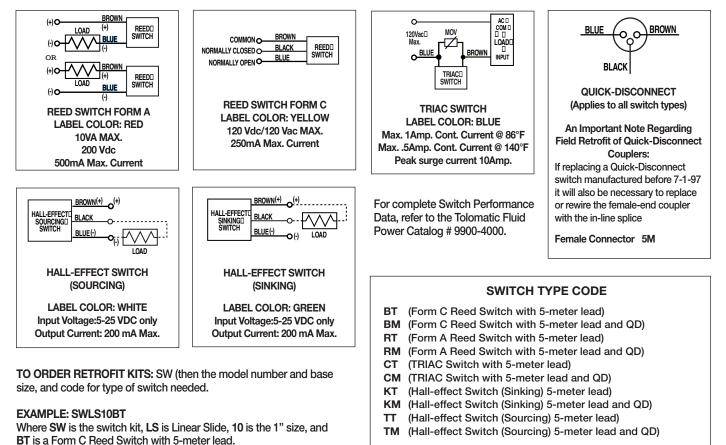
**WARNING:** An ohmmeter is recommended for testing Reed Switches. NEVER use an incandescent light bulb as a high current rush may damage the switch.

Reed and TRIAC switches are only recommended for signalling position, not directly powering soleniods. For shifting a solenoid, a relay or resistor is recommended between it and the Reed Switch. Switch ratings must not be exceeded at any time.

**NOTE:** The side of the switch with the groove indicates the sensing surface. This must face toward the magnet.

**NOTE:** For Hall Effect Switch Magnet, be sure the S pole of the magnet (indicated with black dot) is facing toward the switch (down).

# UNIVERSAL SWITCH WIRING DIAGRAMS AND LABEL COLOR CODING





COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001=

3800 County Road 116, Hamel, MN 55340 USA http://www.Tolomatic.com • Email: Help@Tolomatic.com Phone: (763) 478-8000 • Fax: (763) 478-8080 • Toll Free: 1-800-328-2174

All Switch Kits come with 1 switch and mounting hardware.

© 2023 Tolomatic 202311021632

All brand and product names are trademarks or registered trademarks of their

respective owners. Information in this document is believed accurate at time of printing. However, Tolomatic assumes no responsibility for its use or for any errors that

may appear in this document. Tolomatic reserves the right to change the design or

operation of the equipment described herein and any associated motion products

without notice. Information in this document is subject to change without notice.