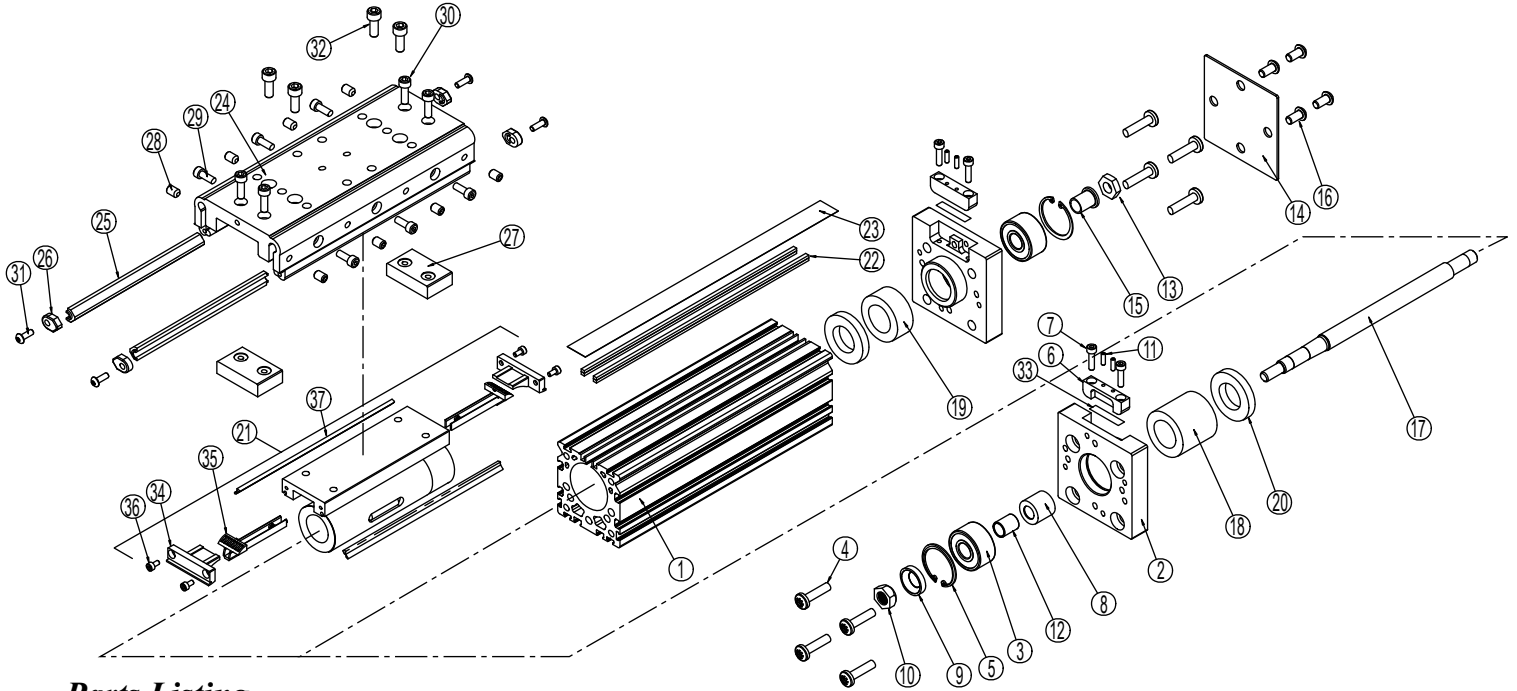


MXE40S Solid Bearing Screw-Drive Actuators

38mm (1-1/2 inch) Series

Models: MXE40SBN02 MXE40SBNL02 MXE40SBN05
 MXE40SBNL05 MXE40SSN01 MXE40SSN02



Parts Listing

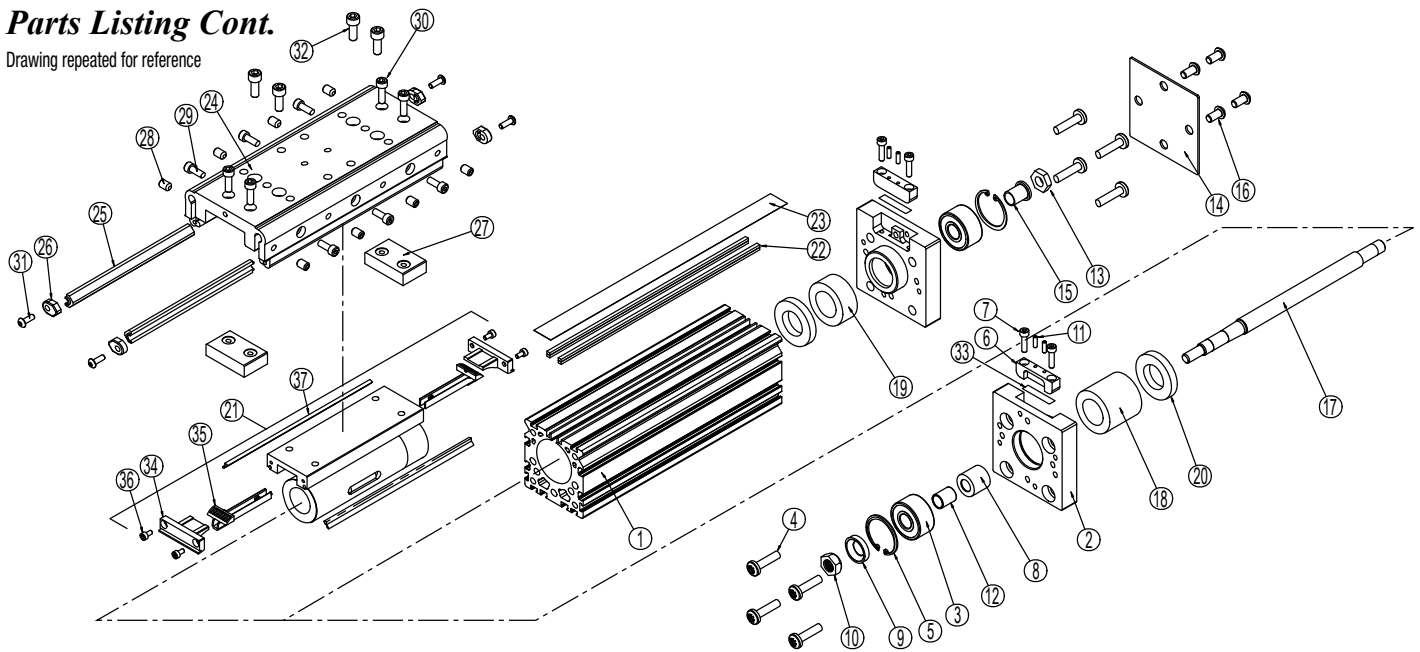
A/R= As Required

ITEM	PART NO. or CONFIG. CODE	DESCRIPTION	MXE40S					
			BN02	BNL02	BN05	BNL05	SN01	SN02
1 ¹	RTBMXE40	Replacement Tube (8340-1010)	A/R	A/R	A/R	A/R	A/R	A/R
2	8340-1011	Head	2	2	2	2	2	2
3	3415-1322	Bearing	2	2	2	2	2	2
4	0604-1025	Screw	8	8	8	8	8	8
5	3415-1307	Retaining Ring	2	2	2	2	2	2
6	8340-1017	Band Clamp	2	2	2	2	2	2
7	0602-1027	Screw	4	4	4	4	4	4
8	3415-2042	Sleeve	1	1				
	3415-2041	Sleeve			1	1	1	1
9	1124-1092	Washer	1	1				
	3415-2014	Washer			1	1	1	1
10	1124-1082	Hex Nut	1	1				
	1132-1013	Hex Nut			1	1	1	1
11	8325-1058	Set Screw	4	4	4	4	4	4
12	3415-2043	Sleeve	1	1				
13	1076-1101	Hex Nut	1	1				
	1001-1322	Hex Nut			1	1	1	1
14	8340-1022	Cover Plate	1	1	1	1	1	1
15	3415-1320	Sleeve	1	1				
16	8340-1009	Screw	4	4	4	4	4	4
17	RLSAMXE40-BN(L)02SK ¹ LMI ²	Leadscrew, .500, BN(L)02, LMI 23-Frame (8340-1100)	A/R	A/R	-	-	-	-
	RLSAMXE40-BN(L)02SK ¹ RP ²	Leadscrew, .500, BN(L)02, RP 23-Frame (8340-1101)	A/R	A/R	-	-	-	-
	RLSAMXE40-BN(L)02SK ¹ RP ²	Leadscrew, .500, BN(L)02, RP 34-Frame (8340-1102)	A/R	A/R	-	-	-	-
	RLSAMXE40-SN02SK ¹ LMI ²	Leadscrew, .500, SN02, LMI 23-Frame (8340-1103)	-	-	-	-	-	A/R
17 (cont.)	RLSAMXE40-SN02SK ¹ RP ²	Leadscrew, .500, SN02, RP 23-Frame (8340-1104)	-	-	-	-	-	A/R
	RLSAMXE40-SN02SK ¹ RP ²	Leadscrew, .500, SN02, RP 34-Frame (8340-1105)	-	-	-	-	-	A/R
	RLSAMXE40-BN(L)05SK ¹ LMI ²	Leadscrew, .500, BN(L)05, LMI 23-Frame (8340-1106)	-	-	A/R	A/R	-	-
	RLSAMXE40-BN(L)05SK ¹ RP ²	Leadscrew, .500, BN(L)05, RP 23-Frame (8340-1107)	-	-	A/R	A/R	-	-
	RLSAMXE40-BN(L)05SK ¹ RP ²	Leadscrew, .500, BNL05, RP 34-Frame (8340-1108)	-	-	-	A/R	-	-
	RLSAMXE40-SN01SK ¹ LMI ²	Leadscrew, .500, SN01, LMI 23-Frame (8340-1109)	-	-	-	-	A/R	-
	RLSAMXE40-SN01SK ¹ RP ²	Leadscrew, .500, SN01, RP 23-Frame (8340-1110)	-	-	-	-	A/R	-
	RLSAMXE40-SN01SK ¹ RP ²	Leadscrew, .500, SN01, RP 34-Frame (8340-1111)	-	-	-	-	A/R	-
18	8340-1023	Spacer	1	1	1	1	1	1
19	8340-1024	Solid Nut Spacer						1
	8340-1025	Ball Nut Spacer			1	1		
20	3415-1318	Bumper	2	2	2	2	2	2
21 ⁵	8340-9009 ³	Nut Bracket Assy, SN01						1
	8340-9008 ³	Nut Bracket Assy, SN02						1
	8340-9006	Nut Bracket Assy, BN02	1	1				
	8340-9007	Nut Bracket Assy, BN05			1	1		

¹ SK or SM_ _ _ indicate stroke length in inches or millimeters
² Length of connecting shaft varies by motor type and size, indicate motor code here
³ Solid Nut Bracket Assembly available to order for replacement. Contact the Factory.
⁴ Parts included in Repair Kits. (RKMXE40PSK or SM_ _ _ indicate stroke length in inches or millimeters)
⁵ Parts included in Nut Bracket Assembly.

Parts Listing Cont.

Drawing repeated for reference



ITEM	PART NO. or CONFIG. CODE	DESCRIPTION	MXE40S					
			BN02	BNL02	BN05	BNL05	SN01	SN02
22	NMBMXE40	New Magnet Band Kit (8140-1019) (4 magnet strips included)	After Config. Code add: SK (stroke length in inches) or SM (stroke length in mm)					
23 ⁴	NDBMXE40	New Dust Band (8140-1018)						
24	8340-1013	Carrier (metric)	1	1	1	1	1	1
	8340-1513	Carrier (inch)	1	1	1	1	1	1
25 ⁴	8140-1030	Plain Bearing	2	2	2	2	2	2
26 ⁴	8140-1031	Bearing End Cap	4	4	4	4	4	4
27	8140-1025	Carrier Spacer Block	2	2	2	2	2	2
28	8140-1073	Lock (Set) Screw (metric)	8	8	8	8	8	8
	8140-1570	Lock (Set) Screw (inch)	8	8	8	8	8	8
29	8125-1071	Tension Screw (metric)	6	6	6	6	6	6
	0915-1016	Tension Screw (inch)	6	6	6	6	6	6
30	2212-1097	Screw	4	4	4	4	4	4

ITEM	PART NO. or CONFIG. CODE	DESCRIPTION	MXE40S					
			BN02	BNL02	BN05	BNL05	SN01	SN02
31	8140-1075	Screw	4	4	4	4	4	4
32	0604-1057	Screw	4	4	4	4	4	4
33	8340-1026	Shim	2	2	2	2	2	2
	8340-1027	Shim	2	2	2	2	2	2
34 ^{4,5}	8140-1006	End Cap	2	2	2	2	2	2
35 ^{4,5}	8340-1007	Band Ramp	2	2	2	2	2	2
36 ⁵	0601-1038	Screw	4	4	4	4	4	4
37 ⁴	8140-1059	Wiper	2	2	2	2	2	2

¹ SK or SM ____, indicate stroke length in inches or millimeters
² Length of connecting shaft varies by motor type and size, indicate motor code here
³ Solid Nut Bracket Assembly available to order for replacement. Contact the Factory.
⁴ Parts included in Repair Kits. (RKMXE40PSK or SM ____, indicate stroke length in inches or millimeters)
⁵ Parts included in Nut Bracket Assembly.

Assembly and Disassembly Instructions

GENERAL CYLINDER DISASSEMBLY INSTRUCTIONS

Begin with a clean work area. Be sure all replacement parts are present and have no visual damage or defects. The following tools are recommended for proper disassembly and assembly.

- SAE Hex Wrench Set
- Metric Hex Wrench Set
- Torx bit set
- Metric Socket Set
- SAE Socket Set

1. **DUST BAND AND CARRIER REMOVAL.** Remove the Band Clamps (6) from both Heads (2) of the actuator by removing Screws (7) and backing out the Center Set Screws (11) a couple turns. Carefully lift the Dust Band (23) from the slot in each Head (2) and remove any Shims (33) located under the Band (23) in the head slot. Retain the Shims (33) for reassembly. Remove the Carrier Spacer Blocks (27). Remove Screws (31) from the Carrier (24). Remove End Caps (34) from both ends of the Nut Bracket Assembly (21). The Dust Band (23) can now be removed from the actuator. Slightly loosen the Carrier Tension Screws (29) and Lock (Set) Screws (28). Remove Bearing End Caps (26) from the Bearings (25) and slide the Bearings (25) out. The Carrier (24) can now be removed.

NOTE: If the stroke of the actuator is too short to allow removal

of the Carrier Bearings (25), it is necessary to remove the Non-Drive End Head (2) from the Tube (1).

2. **LEADSCREW SUB-ASSY REMOVAL.** On the Non-Drive End of the actuator, remove Screws (16) to remove the Cover Plate (14), and Hex Nut (13) from the Leadscrew (17). Remove Screws (4) from both Heads (2). Remove the Non-Drive End Head and the Drive Head/Leadscrew Assembly (17). The Nut Bracket Assembly (21) can now be removed from the Leadscrew (17) if necessary and the Band Ramps (35) may also be removed from the Nut Bracket Assembly (21) if required.

Ball Nut style: Caution is required if removal of the Nut is necessary. Contact the factory for available parts and procedures.

Plastic Nut style: Plastic Nuts are factory pinned into the Nut Bracket (21) and cannot be removed. If Nuts are worn, a new Nut Bracket Assy (21) must be ordered.

If the Drive End Head (2) and Bearing (3) must be removed from the Leadscrew (17), contact the factory prior to removal for specific instructions.

GENERAL CYLINDER ASSEMBLY INSTRUCTIONS

1. **SUB-ASSEMBLY CARRIER.** Slide the Bearings (25) into the slots on the Carrier (24) and install Bearing End Caps (26) loosely

onto the Bearing (25) ends with Screws (31). Keep the Tension Screws (29) and Lock (Set) Screws (28) loose. If removed, install the Band Ramps (35) to the Nut Bracket Assembly (21).

2. **INSTALL LEADSCREW ASSEMBLY.** Install the Drive Head/ Leadscrew (17) assembly into the Tube (1). Ensure that the Bumper (20) and Nut Spacer (19) are in place and position the Non-Drive End Head (2) over the Leadscrew Bearing (3) and loosely install Screws (4) into the Head (2). Install the Drive End Screws (4) loosely into the Head (2).

3. **INSTALL DUST BAND.** Install the Dust Band (23) through the Nut Bracket Assembly (21) and install End End Caps (34) onto the Nut Bracket Assembly (21). Position Carrier (24) sub-assembly onto the Tube (1).

4. **TENSION THE CARRIER.** The MX solid bearing Carrier (24) will provide best performance when properly adjusted. The carrier design contains both Tension (29) and Lock Screws (28). The Tension Screws (29) control the amount of pressure placed on the carrier Bearings (25). The Lock Screws (28) lock the Tension Screws (29) in place and provide fine adjustment of the carrier Bearings (25).

a. Fully loosen all Tension (29) and Lock Screws (28) about 1/2 of a turn so that they are not engaged with the Bearing (25).

b. Tighten Tension Screws (29) on both sides of the Carrier (24) roughly 1/8 to 1/4 turn clockwise past where the Screw (29) starts to feel snug. The Carrier (24) should be very difficult or impossible to move by hand. If not, turn another 1/8 turn until it is difficult to move.

c. Next, adjust the Lock Screws (28) on both sides of the Carrier (24) roughly 1/8 to 1/4 turn clockwise past where the Screw (28) starts to engage. The Carrier (24) will be loose but should not rock sideways. To correct this, loosen the Lock Screws (28) about 1/16 of a turn. If the Carrier (24) becomes too snug, adjust the Lock Screws (28) another 1/8 of a turn.

d. Ideal carrier tension is achieved when the Carrier (24) feels snug in relation to the Tube (1), yet can be moved by hand. No rocking motion should be present. The Carrier (24) should also be loose enough to be moved by hand over the entire length of the actuator. If after this process the Carrier (24) has become too loose, equally adjust all of the Lock Screws (28) with a slight 1/32 turn counter-clockwise.

During the service life of the application this process may need to be repeated. Keeping the Carrier (24) in a properly adjusted

tension will prolong the life of the MX bearing system and the actuator itself.

e. When the proper carrier tension has been achieved, finish tightening the four Screws (31) to the Bearing End Caps (26).

f. Position the Carrier (24) over the Nut Bracket Assembly (21) and install Screws (30). Install the Carrier Spacer Blocks (27) to the Carrier (24).

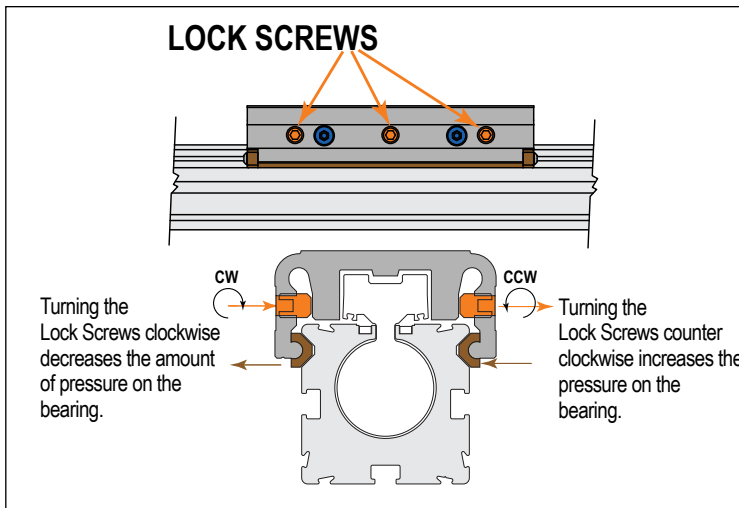
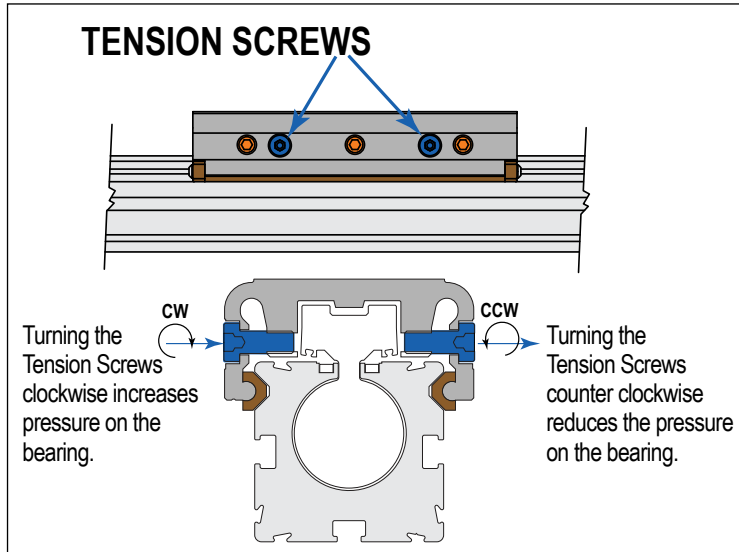
5. **PERFORM HEAD ALIGNMENT AND FINAL ASSEMBLY.**

NOTE: Custom tooling is used at the factory to align the Heads (2) to the Tube (1) to maintain parallelism between the top of the Head (2) and top of the Tube (1). In the following steps take care to visually align Head (2) to Tube (1).

Move the assembled Carrier (24) to the Drive End of Tube (1) and tighten one of the Head Bolts (4). Support the actuator so the Head (2) is free to float while tightening the Screws (4). Move the Carrier Assembly (24) to Non-Drive End of Tube (1) and tighten the Head Bolts (4). Move Carrier Assembly (24) back to the Drive End of Tube (1) and loosen the Screw (4) that was previously tightened and then tighten all head Fasteners (4). Apply Loctite 242 to Hex Nut (13) and thread onto the Leadscrew (17) and torque to 6-8 in-lbs. Install Cover Plate (14) with Screws (16).

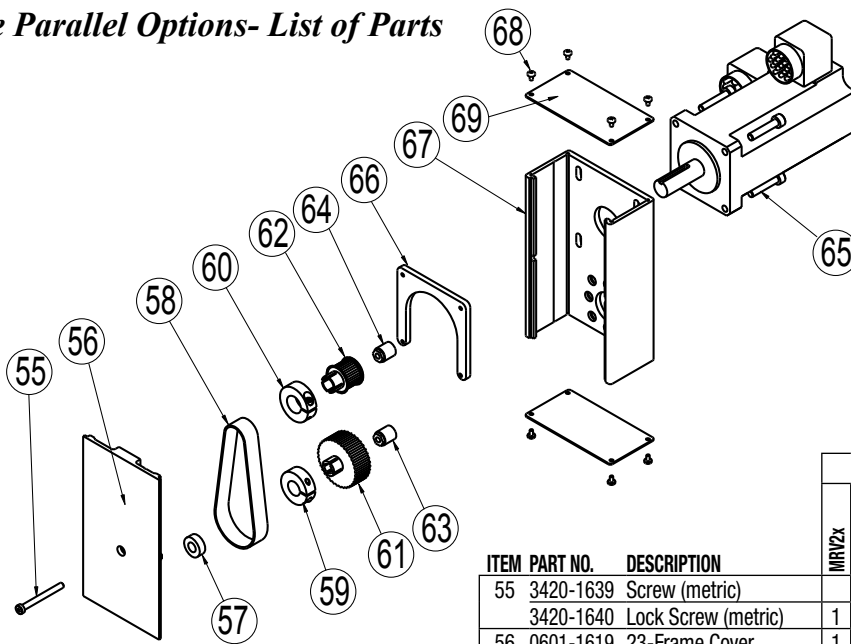
6. **INSTALL BAND CLAMPS.** The Dust Band (23), Tube (1) and clamping surface of the Head (2) must be flush with each

other. To accommodate this, it may be necessary to re-install any Shims (33) that were present during disassembly into the clamp pocket on the Head (2). Position the Carrier (24) near the Drive End and position the Band (23) in the pocket over the installed Shims (33) and install the Band Clamp (6) with the two Screws (7). Tighten down the Center Set Screws (11). Position the Carrier (24) near the Non-Drive End and repeat the steps to install the other Band Clamp (6).



Check out our MX--S carrier adjustment video on the web
<https://youtu.be/LVWPg2gfy0A>

Reverse Parallel Options- List of Parts



(also see drawing on page 1)

REVERSE PARALLEL DISASSEMBLY INSTRUCTIONS

1. Remove Screws (68) to release Housing End Caps (69). Release the tension on Belt (58) by breaking loose the Motor Screws (65).
2. Remove Screw (55) to remove Cover (56).
3. The Belt (58) can now be removed along with the Motor.
4. Remove both Pulleys (61) and (62) from their respective shafts.
5. Remove the RP Housing (67) from the actuator Head (2) by removing the Head Screws (4) from the RP Housing (67).

REVERSE PARALLEL ASSEMBLY INSTRUCTIONS

NOTE: Apply Loctite #242 to all screws upon installation

1. Install RP Housing (67) to the actuator Head (4) with Screws. Do not fully tighten the Fasteners (4) at this time and verify that the RP Housing (67) can move with respect to the Head (2).
2. Temporarily install the Cover (56) with Bearing (57), onto the RP Housing (67) positioning the Bearing (57) over the Leadscrew (17) shaft. Hold the Cover (56) in place while tightening two of the Screws (4) that hold the RP Housing (67) to the actuator Head (2).
3. Remove the Cover (56) and finish tightening all Screws (4) attaching the RP Housing (67) to the Head (2).
4. Install the Motor to the RP Housing (67) with Screws (65). Do not tighten the Screws (65) at this time.
5. Install Pulleys (61) and (62) as needed. Tighten each Pulley (61 & 62) to its shaft with either a Trantorque (63 & 64) or a Collar Clamp (59 & 60). If using a Trantorque (63 & 64), apply 75 in-lbs of torque with a torque wrench.
6. Locate the Belt (58) over the Pulleys (61) and (62).
7. Verify that there is clearance between the inside of the RP Housing (67) and each Pulley (61 & 62). Verify that the Pulleys (61 & 62) are aligned with each other.

ITEM	PART NO.	DESCRIPTION	1:1 RATIO						2:1 RATIO							
			MRV2x	MRV2x, BNO2	MRV3x	MRV3x, BNO2	MRS2x, BNO2	MRS3x	MRS3x, BNO2	MRV2x	MRV2x, BNO2	MRV3x	MRV3x, BNO2	MRS2x, BNO2	MRS3x	MRS3x, BNO2
55	3420-1639	Screw (metric)			1	1										
	3420-1640	Lock Screw (metric)	1	1			1	1			1	1		1	1	
56	0601-1619	23-Frame Cover	1	1			1	1			1	1		1	1	
	0602-1619	34-Frame Cover			1	1			1	1			1	1		1
57	0510-1109	Radial Bearing	1	1	1	1	1	1	1	1	1	1	1	1	1	1
58	0515-1199	Timing Belt	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	0515-1064	Timing Belt								1	1	1	1	1	1	1
59	2317-1005	Clamp Collar								1	1		1	1		1
60	0520-1067	Clamp Collar	1	1	1	1				1	1	1	1			
61	0515-1192	Pulley	1		1		1		1							
	0515-1191	Pulley		1		1		1								
	0515-1193	Pulley								1		1		1		1
	0510-1110	Pulley									1		1		1	1
62	3420-1255	Pulley	1	1	1	1				1	1	1	1			
	0515-1191	Pulley					1	1					1	1		
	0515-1192	Pulley							1	1					1	1
63	0515-1181	Trantorq, .375 Bore	1		1		1		1							
	0510-1111	Trantorq, .250 Bore		1		1		1		1		1		1		1
64	0515-1181	Trantorq, .375 Bore						1	1						1	1
	0510-1111	Trantorq, .250 Bore					1	1					1	1		
65	2212-1098	Screw (metric)												4		
	2212-1099	Screw (metric)	4	4	4	4	4	4	4	4	4	4	4	4	4	4
66	0601-1053	23-Frame Motor Plate	1	1			1	1			1	1		1	1	
	0602-1057	34-Frame Motor Plate			1	1			1	1			1	1		1
67	0601-1609	23-Frame Housing	1	1			1	1			1	1		1	1	
	0602-1609	34-Frame Housing			1	1			1	1			1	1		1
68	0601-1625	Self-tapping Screw	8	8	8	8	8	8	8	8	8	8	8	8	8	8
69	0601-1602	Housing End Cap, 23-Frame	1	1			1	1			1	1		1	1	
	0602-1602	Housing End Cap, 34-Frame			1	1			1	1			1	1		1

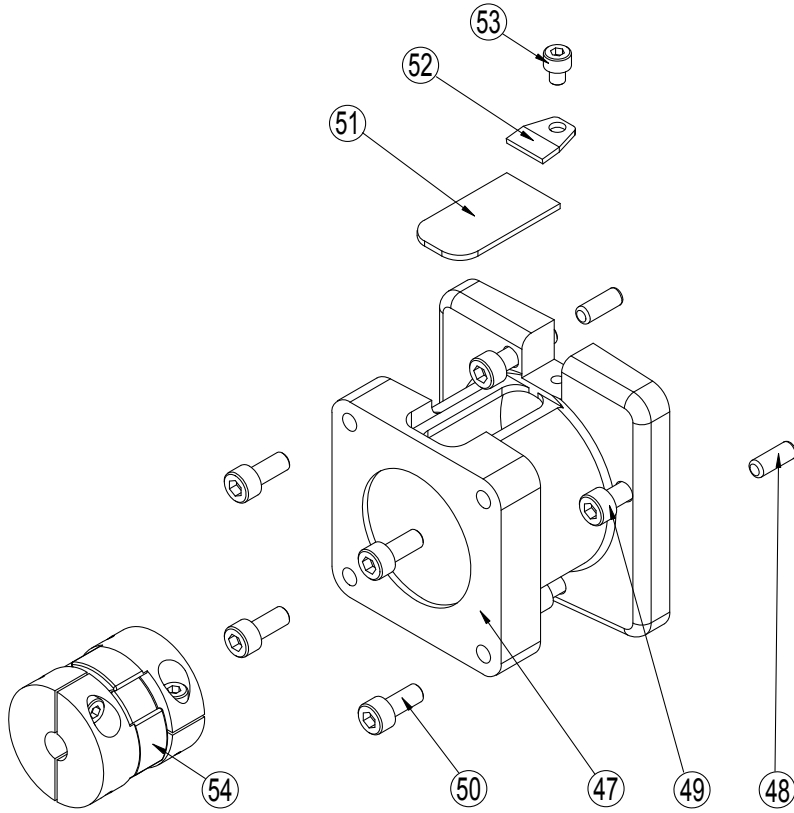
8. Position the Cover (56) in the mating slot of the RP Housing (67) and install the Screw (55) to hold in place. Take care not to over tighten. If the Cover (56) is deflected it can interfere with the Leadscrew (17).
9. Tension the Belt (58) by pulling the Motor away from the drive shaft with the appropriate tension force shown in the chart below. While tensioning, the actuator should be positioned so the weight of the Motor does not affect the belt tension. Tighten the Motor Screws (65) while the tensioning force is applied to the Motor.

Smallest Shaft Diameter	Tension Force
.18" to .25"	10 lbs
> .25" to .50"	20 lbs
>.50"	30 lbs

*The smaller of the actuator drive shaft or the motor shaft.

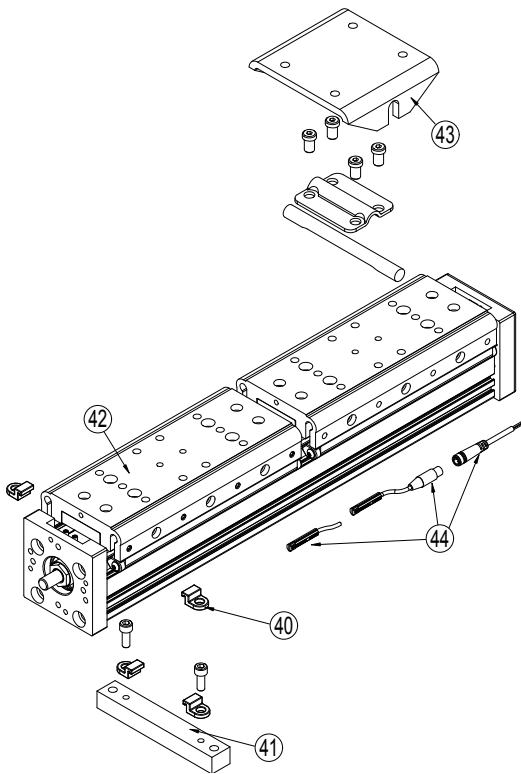
10. Install both End Caps (69) with the Screws (68) to finalize assembly.

In-Line Mounting Options- List of Parts



ITEM	PART NO.	DESCRIPTION	With Gearhead																										
			MRV2x	MRV2x, BNO2	MRS2x	MRS2x, BNO2	MRV3x	MRV3x, BNO2	MRS31, 32	MRS31, 32, BNO2	MRS33	MRS33, BNO2	MRV2x, MRS2x	MRV2x, MRS2x, BNO2	MRV3x, MRS31, 32	MRV3x, MRS31, 32, BNO2	MRS33	MRS33, BNO2											
47	3415-1510	Motor Spacer													1	1													
	0515-1959	Motor Spacer			1	1																							
	0515-1861	Motor Spacer							1	1	1	1																	
	4415-1549	Motor Spacer					1	1																			1	1	
	4415-1550	Motor Spacer	1	1																									
	4415-1552	Motor Spacer															1	1											
48	1820-1003	Dowel Pin	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
49	4415-1020	Screw (metric)	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
50	4415-1020	Screw (metric)	4	4			4	4									4	4										4	4
	4910-1004	Screw (metric)				4	4																						
	0910-1314	Screw (inch)																									4	4	
	1124-1035	Screw (metric)								4	4	4	4																
51	3410-1120	Cover	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
52	1906-1022	Clamp	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
53	1124-1159	Screw (metric)			1	1			1	1	1	1																	
	3415-3046	Screw (inch)	1	1			1	1									1	1	1	1	1	1	1	1	1	1	1	1	1
54	3415-9039	Coupler				1																							
	3415-9045	Coupler															1												1
	3415-9169	Coupler																											
	3600-6168	Coupler	1																										
	3600-6169	Coupler		1					1		1																		
	3600-6170	Coupler					1																						
	4520-9120	Coupler								1																			
	3600-9241	Coupler											1																1
	3600-9249	Coupler															1												
	3600-9250	Coupler					1																						
	3415-9043	Coupler																											

Actuator Options Parts



ITEM	PART NO.	DESCRIPTION
40 ¹	8140-9018	Tube Clamp Mount Kit
	8140-1050	Tube Clamp
41 ²	8340-9016	Mounting Plate Kit for 23-Frame Motor
	8340-9017	Mounting Plate Kit for 34-Frame Motor
	8140-1050	Tube Clamp
	0604-1057	Screw (metric)
	8340-1030	Mounting Plate for 23-Frame Motor
	8340-1031	Mounting Plate for 34-Frame Motor
42	8340-9015	Auxiliary Carrier Assy (metric)
	8340-9515	Auxiliary Carrier Assy (inch)
43 ³	8140-9036	Floating Mount Kit (metric)
	8140-9536	Floating Mount Kit (inch)
	8140-1068	Floating Mount Bracket
	8140-1063	Floating Mount Clamp
	8140-1069	Floating Mount Pin
	8132-1074	Screw (metric)
	0512-1094	Screw (inch)

¹ Tube Clamp Mount Kit contains 2 tube clamps.

² Mounting Plate Kit contains 2 tube clamps, 1 mounting plate and 2 fasteners.

³ Floating Mount Kit contains 1 pin, 1 bracket, 1 clamp, and 4 fasteners.

TO ORDER SERVICE PARTS SWITCHES:

Switches for MXE include retained mounting hardware and are the same for all actuator sizes and bearing styles

ITEM	Config. Code	Lead	Normally	Sensor Type
44	SWMXE40S R Y	5m (197 in)	Open	Reed
	SWMXE40S R K	Quick-disconnect		
	SWMXE40S N Y	5m (197 in)	Closed	Reed
	SWMXE40S N K	Quick-disconnect		
	SWMXE40S T Y	5m (197 in)	Open	Solid State PNP
	SWMXE40S T K	Quick-disconnect		
	SWMXE40S K Y	5m (197 in)	Open	Solid State NPN
	SWMXE40S K K	Quick-disconnect		
	SWMXE40S P Y	5m (197 in)	Closed	Solid State PNP
	SWMXE40S P K	Quick-disconnect		
	SWMXE40S H Y	5m (197 in)	Closed	Solid State NPN
	SWMXE40S H K	Quick-disconnect		

Mating QD cable is included.

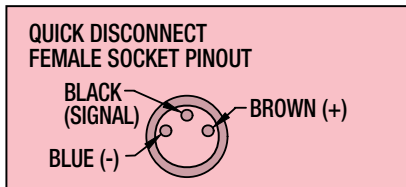
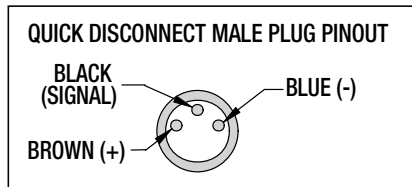
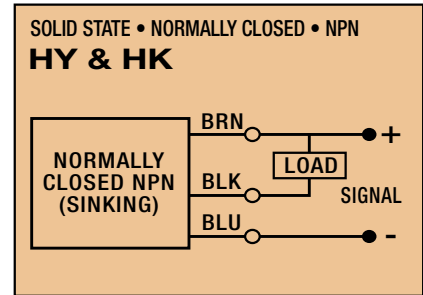
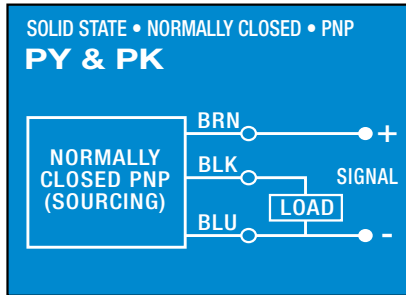
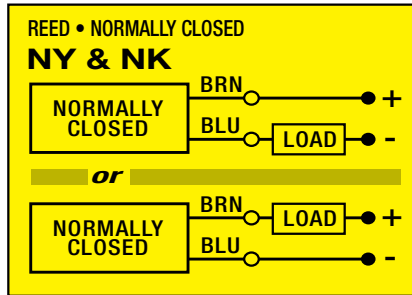
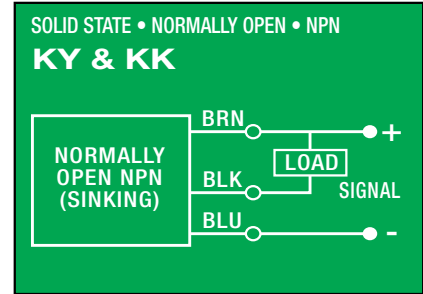
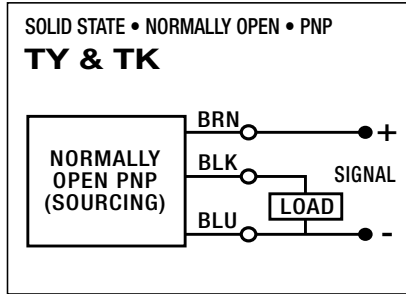
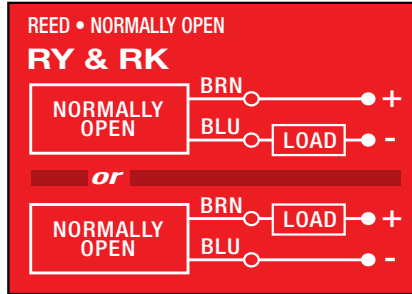
ORDERING REPAIR KITS

Repair kit includes: dust band, end caps, wipers, solid bearings, bearing end caps

The part number for a repair kit begins with RK followed by model, actuator size, bearing type, and stroke length (**S****K** = inch/US Standard, **S****M** = metric) (NOTE: If unit has an auxiliary carrier also include DC and distance between carrier centers)

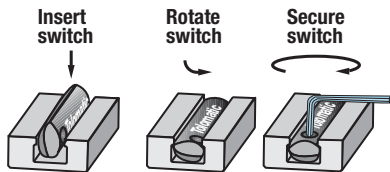
REPAIR KIT	MODEL	ACTUATOR SIZE	BEARING TYPE	STROKE METRIC	STROKE LENGTH	AUXILIARY CARRIER	DISTANCE BETWEEN CARRIERS
RK	MXE	40	S	SM	2007	02	DC215.9

SWITCH WIRING DIAGRAMS AND LABEL COLOR CODING (CE and RoHS Compliant)



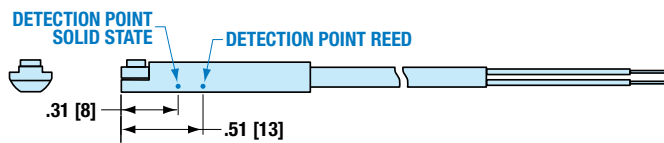
- Switches for MX:
- Include retained mounting hardware
 - In slot, sit below extrusion profile
 - Same for all sizes and bearing styles

SWITCH INSTALLATION AND REPLACEMENT



Place switch in side groove on tube at desired location with "Tolomatic" facing outward. While applying light pressure to the switch, rotate it such that the switch is halfway in the groove. Maintaining light pressure, rotate the switch in the opposite direction until the switch is fully inside the groove with "Tolomatic" visible. Re-position the switch to the exact location and lock the switch securely into place by tightening the screw on the switch.

SWITCH DETECTION POINT



Dimensions in inches [brackets indicate dimensions in millimeters]



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