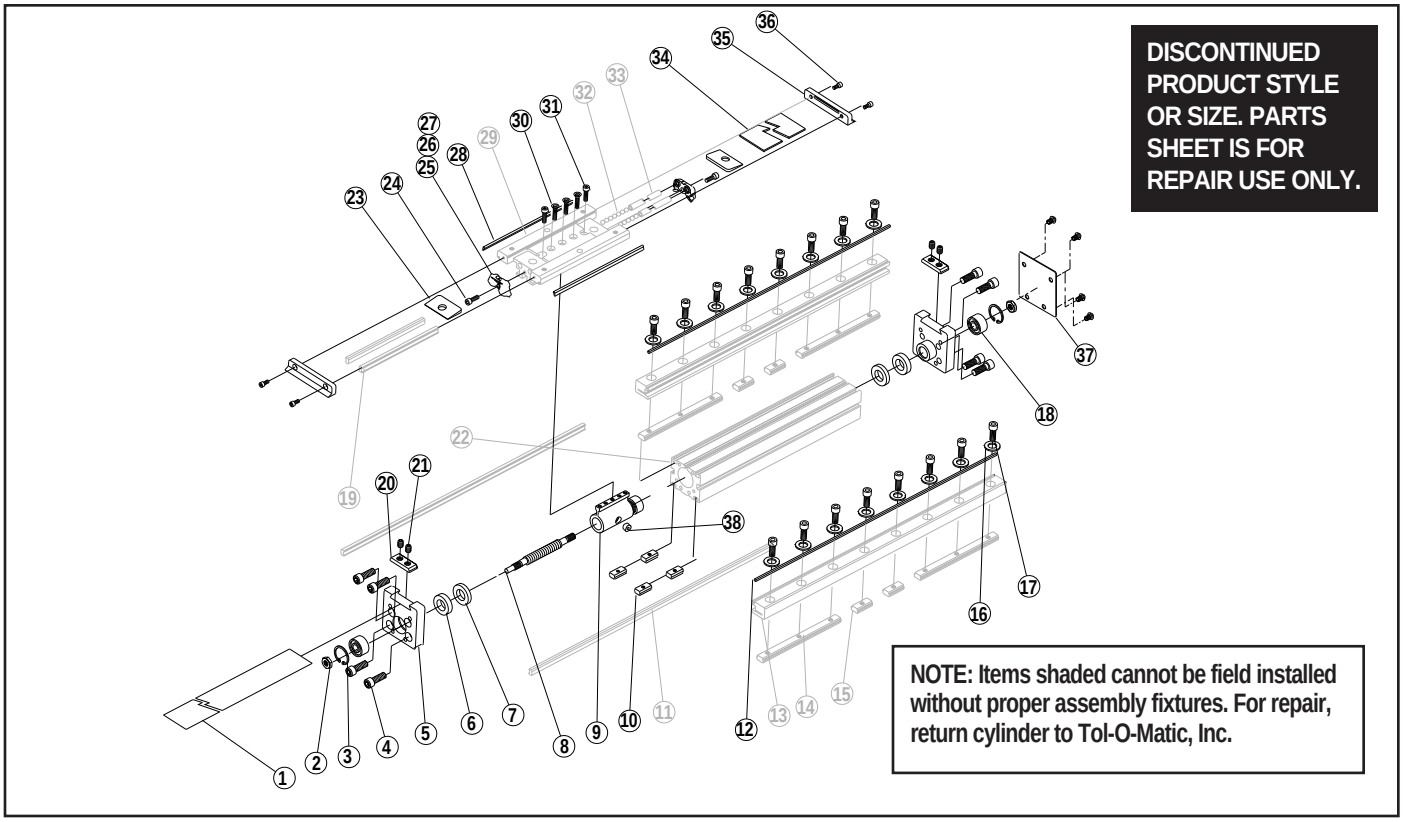
Axidyne® B3S10/M3S10 Cylinder-Style Screw-Drive Actuators

1"/25mm BORE

Models:

B3SBN08, B3SBNL08, B3SSN01, B3SSN02, B3SSNA02, B3SSN05, M3SSN25, M3SSN12, M3SBN02, M3SBNL02

3600-4041_05
Replaced by
3600-4121
02-2000



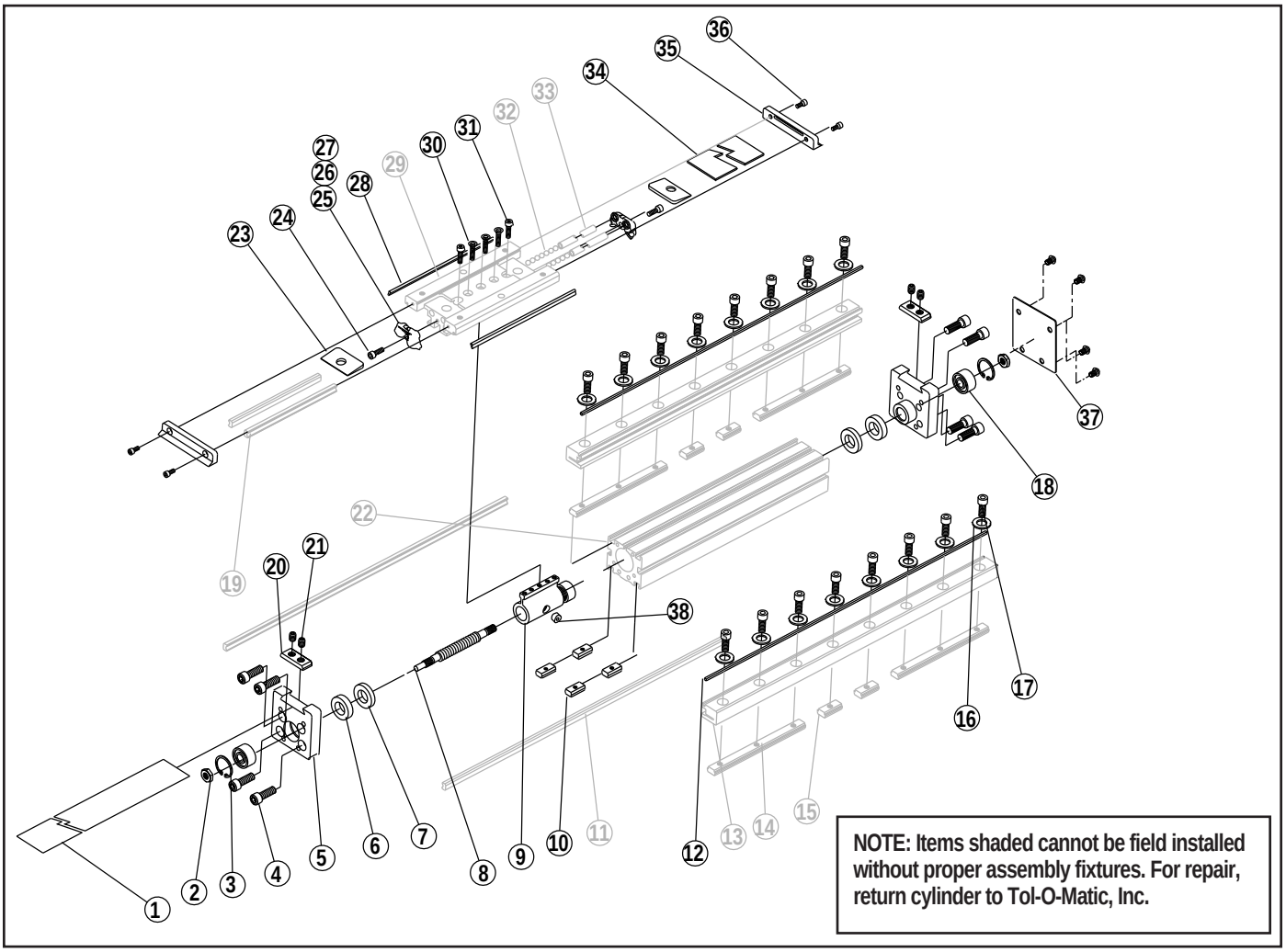
Parts Listing

Item	Part No.	Description	B3SBN08	B3SBNL08	B3SSN01	B3SSN02	B3SSNA02	B3SSN05	M3SSN25	M3SSN12	M3SBN02	M3SBNL02
1*†	3410-1239	Dust Band	1	1	1	1	–	1	1	1	1	1
	3410-1262	Dust Band	–	–	–	–	1	–	–	–	–	–
2	0910-1482	Lock Nut	2	2	2	2	2	2	–	–	–	–
	4510-1052	Lock Nut	–	–	–	–	–	–	2	2	2	2
3	3410-1207	Snap Ring	2	2	2	2	2	2	2	2	2	2
4	1024-7711	SHCS	8	8	8	8	8	8	–	–	–	–
	4510-1040	SHCS	–	–	–	–	–	–	8	8	8	8
5	3410-1200	Machined Head	2	2	2	2	2	2	–	–	–	–
	4410-1200	MAchined Head	–	–	–	–	–	–	2	2	2	2
6	3410-1209	Spacer	1	1	1	1	2	1	1	1	1	1
	3410-1208	Spacer	–	–	1	1	–	1	1	1	–	–
7	3410-1218	Bumper	2	2	2	2	2	2	2	2	2	2
8*	3410-1201	Lead Screw, 8TPI, Ball	1	1	–	–	–	–	–	–	–	–
	3410-1202	Lead Screw, 1TPI, ACME	–	–	1	–	–	–	–	–	–	–
	3410-1203	Lead Screw, 2TPI, ACME	–	–	–	1	–	–	–	–	–	–
	3410-1228	Lead Screw, 2TPI, ACME, Anti-BL-	–	–	–	1	–	–	–	–	–	–
	3410-1204	Lead Screw, 5TPI, ACME	–	–	–	–	–	1	–	–	–	–
	4410-1201	Lead Screw, 10mm, 2.5mm Lead	–	–	–	–	–	–	–	–	1	1
	4410-1202	Lead Screw, 12mm, 12mm Lead	–	–	–	–	–	–	–	1	–	–
	4410-1203	Lead Screw, 12mm, 25mm Lead	–	–	–	–	–	–	1	–	–	–
9	3410-9062	Nut Bracket Assy, 2TPI	–	–	–	1	–	–	–	–	–	–
	3410-9063	Nut Bracket Assy, 5 TPI	–	–	–	–	–	1	–	–	–	–
	3410-9064	Nut Bracket Assy, 1TPI	–	–	1	–	–	–	–	–	–	–
	3410-9068	Nut Bracket Assy, 2TPI, Anti-BL	–	–	–	–	1	–	–	–	–	–
	3410-9065	Nut Bracket Assy, 8TPI	1	1	–	–	–	–	–	–	–	–
	4410-9027	Nut Bracket Assy, 12mm Lead	–	–	–	–	–	–	–	1	–	–
	4410-9028	Nut Bracket Assy, 25mm Lead	–	–	–	–	–	–	1	–	–	–
	4410-9029	Nut Bracket Assy, 2.5mm Lead	–	–	–	–	–	–	–	–	1	1
10	3410-1013	Nut	4	4	4	4	4	4	–	–	–	–
	4410-1013	Nut	–	–	–	–	–	–	4	4	4	4
11	3410-1241	Rail Way	2	2	2	2	–	2	2	2	2	2
	3410-1264	Rail Way	–	–	–	–	2	–	–	–	–	–
12	3410-1240	Band Magnet	2	2	2	2	–	2	2	2	2	2
	3410-1263	Band Magnet	–	–	–	–	2	–	–	–	–	–
13	3410-1242	Machined Rail	2	2	2	2	–	2	2	2	2	2
	3410-1265	Machined Rail	–	–	–	–	2	–	–	–	–	–
14	3410-1008	Rail Nut	A/R	A/R	A/R	A/R	A/R	A/R	–	–	–	–
	4410-1008	Rail Nut	–	–	–	–	–	–	A/R	A/R	A/R	A/R
15	3410-1013	Nut	A/R	A/R	A/R	A/R	A/R	A/R	–	–	–	–
	4410-1013	Nut	–	–	–	–	–	–	A/R	A/R	A/R	A/R
16	3410-1048	Washer	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R	A/R
17	3410-1012	Socket Head Cap Screw	A/R	A/R	A/R	A/R	A/R	A/R	–	–	–	–
	4410-1077	Socket Head Cap Screw	–	–	–	–	–	–	A/R	A/R	A/R	A/R
18	4510-1060	Contact Bearing	2	2	2	2	2	2	2	2	2	2

* Specify stroke when ordering.

[1] Available as Ball Nut/Lead Screw sub-assembly. Ball nut matched to lead screw.

† Available in Repair Kit No. 3410-9049.



			B3S10						M3S10			
			B3SBN08	B3SBNL08	B3SSN01	B3SSN02	B3SSNA02	B3SSN05	M3SSN25	M3SSN12	M3SBN02	M3SBNL02
Item	Part No.	Description										
19	3410-1023	Carrier Way	2	2	2	2	2	2	2	2	2	2
20	3410-1219	Upper Clamp	2	2	2	2	2	2	–	–	–	–
	4410-1219	Upper Clamp	–	–	–	–	–	–	2	2	2	2
21	0801-1256	Set Screw	4	4	4	4	4	4	–	–	–	–
	4915-1044	Set Screw	–	–	–	–	–	–	4	4	4	4
22	3410-1221	Machined Tube	1	1	1	1	–	1	–	–	–	–
	3410-1222	Machined Tube	–	–	–	–	1	–	–	–	–	–
	4410-1221	Machined Tube	–	–	–	–	–	–	1	1	1	1
23	3410-1047	Upper Band Ramp	2	2	2	2	2	2	2	2	2	2
24	0610-1077	Socket Head Cap Screw	2	2	2	2	2	2	–	–	–	–
	7906-1067	Socket Head Cap Screw	–	–	–	–	–	–	2	2	2	2
25	3410-1014	Ball Return	2	2	2	2	2	2	2	2	2	2
26	3410-1015	Right Ball Race	2	2	2	2	2	2	2	2	2	2
27	3410-1032	Left Ball Race	2	2	2	2	2	2	2	2	2	2
28†	3410-1025	Wiper	2	2	2	2	2	2	2	2	2	2

			B3S10						M3S10			
			B3SBN08	B3SBNL08	B3SSN01	B3SSN02	B3SSNA02	B3SSN05	M3SSN25	M3SSN12	M3SBN02	M3SBNL02
Item	Part No.	Description										
29	3410-1006	Machined Carrier	1	1	1	1	1	–	–	–	–	–
	4410-1006	Machined Carrier	–	–	–	–	–	–	1	1	1	1
30	0515-1198	Flathead Cap Screw	3	3	3	3	3	3	–	–	–	–
	4415-1001	Socket Head Cap Screw	–	–	–	–	–	–	3	3	3	3
31	0605-1046	Socket Head Cap Screw	2	2	2	2	2	2	–	–	–	–
	4415-1001	Socket Head Cap Screw	–	–	–	–	–	–	2	2	2	2
32	3410-1009	Ball	112	112	112	112	112	112	112	112	112	112
33	3410-1019	Ball Return Tube	2	2	2	2	2	2	2	2	2	2
34†	3410-1042	Carrier Cover	1	1	1	1	1	1	1	1	1	1
35†	3410-1011	End Cap	2	2	2	2	2	2	2	2	2	2
36	0605-1079	Socket Head Cap Screw	4	4	4	4	4	4	–	–	–	–
	4905-1005	Socket Head Cap Screw	–	–	–	–	–	–	4	4	4	4
37	3410-9052	Head End Kit	1	1	1	1	1	1	–	–	–	–
	4410-9051	Head End Kit	–	–	–	–	–	–	1	1	1	1
38	2403-1008	Magnet	2	2	2	2	2	2	2	2	2	2

† Available in Repair Kit No. 3410-9049.

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 (exact wrench sizes will vary depending upon cylinder size).

- Tin Snips
- Allen Wrench Set
- Open-end or Box Wrench Set and/or Sockets
- Retaining Ring Pliers

1. **Remove cylinder heads.** Remove Head End Kit (37) from "dead" end of cylinder. Loosen Set Screws (21) and remove Upper Clamp (20). Remove SHCS (4). Unscrew Lock Nut (2) from Screw (8). Remove Head (5). Remove Contact Bearing (18) and Snap Ring (3) from Head. Repeat procedure for "live" end Head.

2. **Release carrier assembly.** Remove Screws (36) from End Caps (35) and remove End Caps. Remove Carrier Cover (34), then remove Dust Band (1). Loosen screws (30) and (31) from Carrier (29) to release Carrier. Move Carrier assembly to the "dead" end of tube, stopping just as plastic Ball Return (25) is visible from end.

   NOTE: Do NOT remove carrier (29) from Tube (22). Balls contained in rail way will fall out.

3. **Remove lead screw sub-assembly.** To release Nut Bracket Assy (9) from Carrier assembly, with a blunt object, push down slightly on lead screw to release Nut Bracket Assy (9) from plastic Ball Return (25). Remove lead screw sub-assembly from tube.

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

Plastic Nut Style: Plastic nuts are factory pinned into the Nut Bracket and cannot be removed. If nuts are worn, a new Nut Bracket Assy must be ordered.

GENERAL CYLINDER ASSEMBLY INSTRUCTIONS

1. **Install Lead Screw assembly and heads.**
   Ball Nut or Plastic Nut Style: Grease Lead Screw (8) with Mobil HP. With Nut Bracket assembly (9) on Lead Screw, slide Bumper (7), Spacer (6), Head sub assembly {consisting of Head (5), Bearing (18), Retaining Ring (3)} and Lock Nut (2) onto Lead Screw "live end". Holding the Lead Screw tightly (care must be taken not to damage the lead screw threads) to prevent it from turning, tighten Lock Nut (2) to secure assembly. Slide "dead end" of Lead Screw (8) into Tube (22) until "live end" head is against face of tube. Secure "live end" Head (5) with 4 Screws (4). Slide Carrier (29) to center of Tube and secure Carrier to Nut Bracket with Screws (30 and 31). Move Carrier to "dead end" side of tube. Slide Bumper (7), Spacer (6), Head sub assembly (with bearing and retaining ring installed) and Lock Nut (2) onto Lead Screw shaft. Tighten Lock Nut (2) until Head (5) is snug to end of tube and head cannot be rotated back and forth about lead screw axis. Secure Head (5) with screws (4). Loosen screws holding "live end" head, move carrier to "live end" and retighten screws (4).

2. **Lubricate Ballways.** Before installing the top Dust Band (1), lubricate the ballways with Mobil HP grease.

3. **Aligning the Carrier.** With the Head Bolts (4) snug, move the carrier until it reaches the internal bumper (7). Torque Head Bolts to 50-60 in-lbs (5.65-6.78 N-m). Repeat aligning procedure for the other end.

4. **Trim and install Dust Band.** Install Dust Band (1) over Carrier (29) centering it along the length of the cylinder. Slide Carrier Cover (34) into slots on top of Carrier. Apply Loctite #242 to Screws (36) and secure End Caps (35) to Carrier. With tin snips, cut ends of Dust Band (1) 1/16" in from outside edge of Head (5). Place a Upper Clamp (20) into Head slot over Dust Band. Apply Loctite #242 to Set Screws (21) and insert into Upper Clamp. Torque Set Screws to 20-30 in-lbs to secure Dust Band (1).

5. **Test Procedure:** The torque required to rotate the Lead Screw (6) should not exceed the following limits.

   MAXIMUM BREAKAWAY REQUIREMENTS:

Cylinder Size	**Torque**
B3S10 (1")	25 in-oz.

   Check and/or readjust unit to conform to specification requirements. Retest.

6. **Clean unit thoroughly before installing.**

REVERSE PARALLEL
DISASSEMBLY INSTRUCTIONS

1. Remove the non-bearing half Cover (14) from the Drive Case (9) by removing the four Button Head Cap Screws (1).

2. Remove the Cover (2) from the Drive Case by removing the four Button Head Cap Screws (1). (The Bearing Block (4) and out board bearing (3) are attached to the cover with four BHCS (1).)

3. Release the tension on the belt by loosening Socket Head Cap Screws (8) and remove the belt from the two pulleys.

4. Remove the Trantorque (5) from Pulley (7) and remove Pulley (7) from lead screw.

5. Remove Socket Head Cap Screw (12) and Jam Nuts (10) to detach motor from Drive Case (9).

6. If applicable, remove Adapter Plate from the motor by removing the four Flat Head Cap Screws.

7. Unfasten the Drive Case (9) from the drive head of the BC3S by removing the four Socket Head Cap Screws (8). NOTE: Drive Case can be mounted in four different positions. Observe the position of the Drive Case before disassembling.

REVERSE PARALLEL ASSEMBLY INSTRUCTIONS

1. Secure Drive Case (9) to the drive head of the BC3S with four Socket Head Cap Screws (8). Use Loctite #242 on the screws. NOTE: Drive Case can be mounted in four different positions. Position the Drive Case in the same position as it was prior to disassembly.

2. Make sure the pulley bore and the shaft are clean and completely free of oil by wiping the surfaces with a clean cloth and solvent.

3. Replace the Pulley (7) onto the shaft approximately .060 in (1.5mm) from the inner wall of the Drive Case (9). Secure the Pulley (7) to lead screw with Trantorque (5). Place the outer sleeve of the Trantorque approximately in the center of the Pulley.

4. Torque the Trantorque (5) with a calibrated torque wrench to 125 in-lbs. (14.2 N-m).

5. If applicable, mount Adapter Plate to the motor. Use Loctite #242 on screws.

6. Position motor into drivecase (9). Apply Loctite #242 on the threads of the screws(12). Secure the motor to the Drive Case (9) with Screws (12) and Nuts (10) provided.

7. Place belt (6) over actuator and motor pulleys (13).

8. Secure the Bearing (3) to Lower Half Drive Case Cover (2) with four BHCS (1). Use Loctite #242 on the BHCS. Slide cover plate with bearing onto end of lead screw and tighten cover with four BHCS (1).

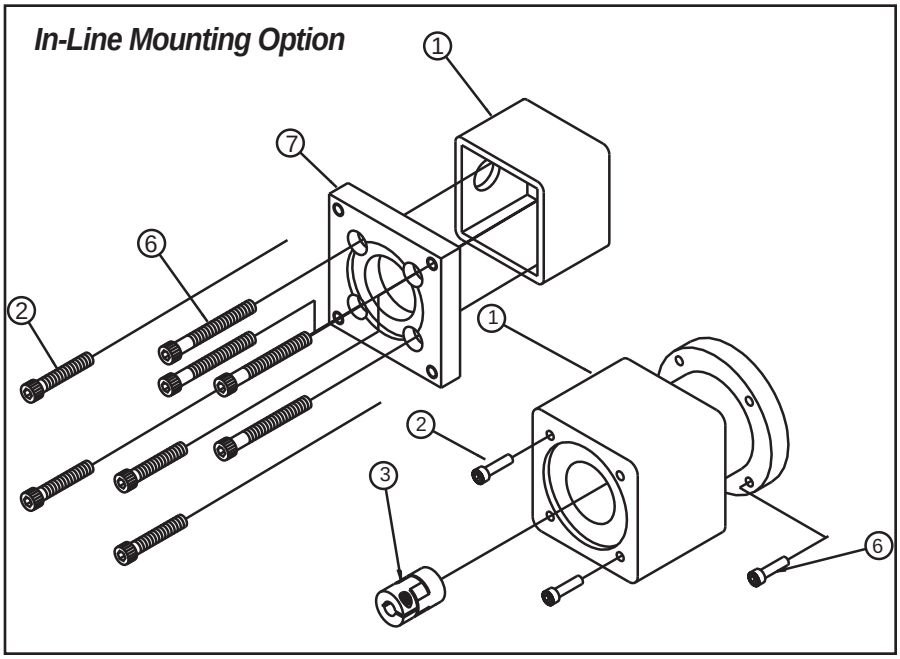
9. Position the motor within the slots provided to produce tension on the belt. Tighten Screws (12) to lock motor into place.

10. Mount the Drive Case Cover (14) to the Drive Case (9) with four BHCS (1). Apply Loctite #242 on the threads of the screws.

RAIL BEARING LUBRICATION

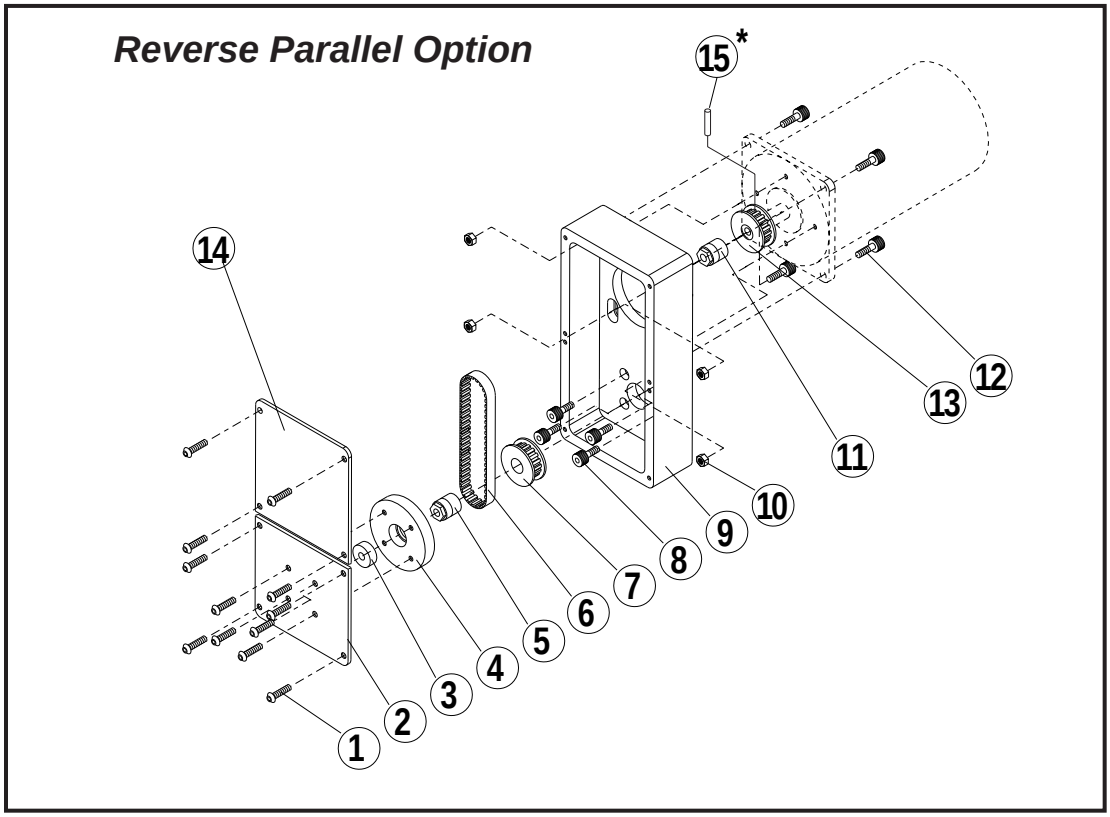
The bearing system is prelubricated at the factory with a high quality Mobil HP grease. Relubrication is recommended every .5-1 million cycles using Mobil HP grease for optimal bearing performance. To relubricate, remove Set Screws (21) and Upper Clamp (20). Lift back Dust Band (1) and apply grease directly to the stationary ball ways.

In-Line Mounting Option



Parts Listing

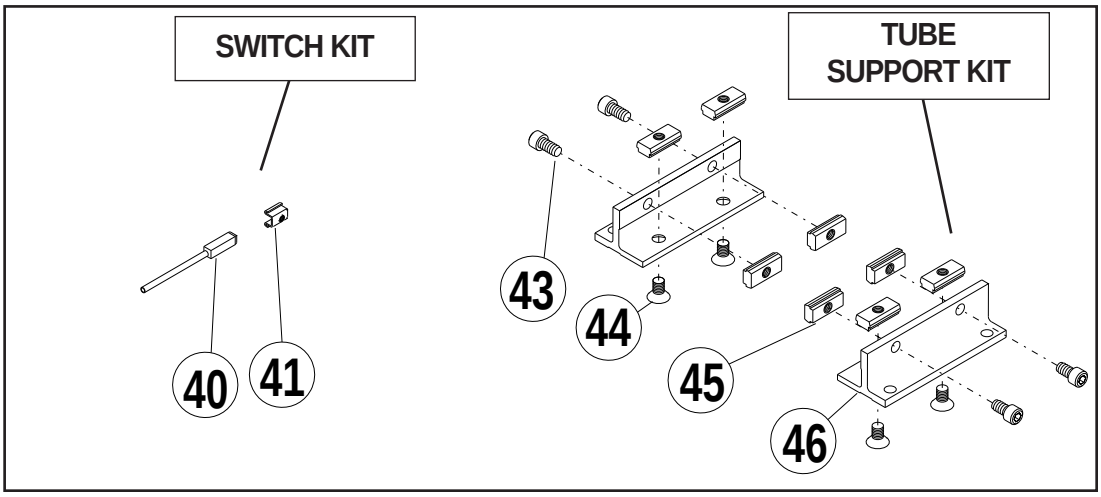
ITEM	PART No.	DESCRIPTION	In-line mounting with motor			In-line mounting with gearhead with SN01			In-line mounting with gearhead other than SN01		
			MRV23	MRB, MRS23	MRS, MRB34		MRV23 w/GH J20,21		MRB, MRS34 w/GH J30,31	MRV23 w/GH J20,21	MRB23 wGHK20
1	3410-1290	Spacer	–	1	–		–		–	–	–
	3410-1350	MTR/ADAP — Spacer	1	–			–		1	–	–
	3420-1353	MTR/ADAP — Spacer	–	–	–		–		–	–	–
	3420-1350	MTR/ADAP — Spacer	–	–	–		–		–	–	–
	3420-1352	MTR/ADAP — Spacer	–	–	–		1		–	1	1
	3410-1293	Spacer	–	–	1		–		–	–	–
2	1024-7711	SHCS 10-24 x .88	4	–	4		4		–	4	4
	0910-1314	SHCS 10-24 x .75	–	–	–		–		4	–	–
	0915-1016	SHCS 10-24 x .50	–	4	–		–		–	–	–
3	3600-9219	CPLR — MRB34	1	–	–		–		–	–	–
	3600-9209	CPLR — MRS34	–	–	–		–		–	–	–
	3600-6174	CPLR — MRV34	–	–	1		–		–	–	–
	3600-9204	CPLR — MRB23,MRS23	–	1	–		–		–	–	–
	3600-9208	CPLR — MRS23	–	–	–		–		–	–	–
	3600-9042	CPLR—MRB40	–	–	–		–		–	–	–
	3600-6163	CPLR—MRV23	1	–	–		–		–	1	–
	3420-9041	CPLR—GEARHEAD	–	–	–		–		–	–	–
	3600-9213	CPLR—GEARHEAD					1		1	–	1
4	3410-1445	PLT — MRB40	–	–	–		–		–	–	–
5	6000-1731	SFHCS 1/4-20 x 7/8 LG	–	–	–		–		–	–	–
6	0910-1450	SHCS,#10-24X1.75	–	4	–		–		–	–	–
	0910-1314	SHCS, 1/4-24 x .75	4	–	–		–		4	–	–
	1308-1071	SHCS, 1/4-20 x 2.25	–	–	4		–		–	–	–
	1024-7711	SHCS 10-24 x .88					4		–	4	4
7	3410-1294	MTR MNT PLT	–	1	–		–		–	–	–
	3410-1295	MTR MNT PLT	–	–	1		–		–	–	–



* = Pulley pinned onto motor

Parts Listing

ITEM	PART No.	DESCRIPTION	1:1 Ratio					2:1Ratio				
			RP_1(MRB23X)	RP_1(MRB34X)*	RP_1(MRS23X)	RP_1(MRS34X)	RP_1(MRV23X)*	RP_2(MRB23X)	RP_2(MRB34X)*	RP_2(MRS23X)	RP_2(MRS34X)	RP_2(MRV23X)*
1	0510-1249	Button Head Screw	12	12	12	12	12	12	12	12	12	12
2	3410-1360	Cover	1	1	1	1	1	1	1	1	1	1
3	0510-1109	Bearing	1	1	1	1	1	1	1	1	1	1
4	0510-1108	Bearing Block	1	1	1	1	1	1	1	1	1	1
5	0510-1111	Trantorque	1	1	1	1	1	1	1	1	1	1
6	0510-1112	Belt, 1/5P, 3/8 W, 11” L, 55 teeth	1	1	1	1	1	–	–	–	–	–
	0510-1113	Belt, 1/5P, 3/8 W, 13” L, 65 teeth	–	–	–	–	–	1	1	1	1	1
7	0515-1191	Pulley 18th .625 Bore	1	1	1	1	1	–	–	–	–	–
	0510-1110	Pulley 36th	–	–	–	–	–	1	1	1	1	1
8	0915-1016	Socket Head Cap Screw	4	4	4	4	4	4	4	4	4	4
9	0510-1102	Case 23 Frame Stepper	1	–	1	–	–	1	–	1	–	–
	0510-1246	Case 23 Frame Servo					1					1
	0510-1104	Case 34 Frame Stepper	–	1	–	1	–	–	1	–	1	–
10	2506-1007	Jam Nut	4	4	4	4	4	4	4	4	4	4
11	0510-1111	Trantorque .250 Bore	1	–	1	–	–	1	–	1	–	–
	0515-1181	Trantorque .375 Bore	–	–	–	1	–	–	–	–	1	–
12	0707-1010	Socket Head Cap Screw	4	4	4	4	4	4	4	4	4	4
	1024-7711	SHCS #10-24 X .88	4	4	4	4	4	4	4	4	4	4
13	0515-1192	Pulley 18th .750 Bore	–	–	–	1	–	–	–	–	1	–
	0515-1191	Pulley 18th	1		1			1		1		
	0515-1190	Pulley 18th Ø.50 Bore		1*			1*		1*			1*
14	3410-1361	Cover Non-Brg. Half	1	1	1	1	1	1	1	1	1	1
15	1930-1032	Roll Pin		1					1			



OPTIONAL ACCESSORY ASSEMBLY INSTRUCTIONS

1. **TUBE SUPPORTS.** Four T-Nuts (45) are required on each side of the Tube (23), two T-Nuts on bottom of Tube and two in lower slots on tube sides. Tube Supports should be secured at the required distances determined for the application to prevent Tube deflection. Apply Loctite #242 to Screws (44) and secure Tube Supports (46) to Tube aligning holes in T-Nuts with holes in Tube Supports.

2. **Switches.** Secure Switch (40) to magnet side of Tube with Switch Clamp (41) and Set Screw (42).

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

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

   For complete Switch Performance Data, refer to the Tol-O-Matic Fluid Power catalog # 9900-4000.

   TO ORDER RETROFIT KITS:
   SW (then the model number and base size, and code for type of switch needed.

Optional Accessories Parts Listing

Item	B3S10 Part No.		Description	QTY.
			SWITCH KIT	
41	3410-9999		Switch Hardware Kit	A/R
40	3600-9082		Switch, Reed, Form A, 5M Wire	A/R
	3600-9083		Switch, Reed, Form A, Male Connect	A/R
	3600-9084		Switch, Reed, Form C, 5M Wire	A/R
	3600-9085		Switch, Reed, Form C, Male Connect	A/R
	3600-9086		Switch, Triac, 5M Wire	A/R
	3600-9087		Switch, Triac, Male Connect	A/R
	3600-9988		Switch, Sourcing(PNP), Hall Effect, 5M	A/R
	3600-9989		Switch, Sourcing(PNP), Hall Effect, MA	A/R
	3600-9090		Switch, Sinking(NPN), Hall Effect, 5M	A/R
	3600-9091		Switch, Sinking(NPN), Hall Effect, MAL	A/R
			TUBE SUPPORT KIT	
43	0801-1251	4410-1005	SHCS, 10-24 x .44/ M5 x 10	4
44	3410-1046	4410-1014	SFHCS, 10-24 x .38/ M5 x 10	4
45	3410-1013	4410-1013	BC315 Nut	8
46	3410-1044	3410-1044	Tube Support	2

EXAMPLE: SWB3S10BT
Where **SW** is the switch kit, **B3S** is the model, **10** is the 1" size, and **BT** is a Form C Reed Switch with 5-meter lead.

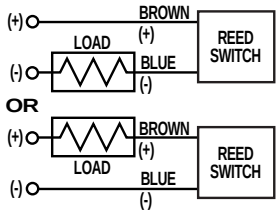
All Switch Kits come with 1 switch and mounting hardware.

HARDWARE ONLY KIT:	**QUICK-DISCONNECTS:**
3410-9999	2503-1025 Female Connector 5M

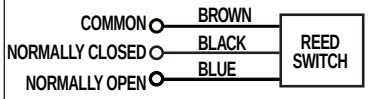
For complete Switch Performance Data, refer to the Tol-O-Matic Fluid Power Catalog #9900-4000.

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

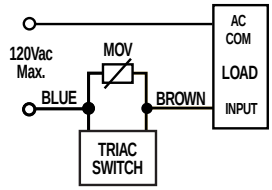
Universal Switch Wiring Diagrams and Label Color Coding



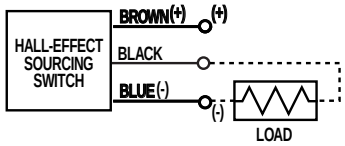
REED SWITCH FORM A
LABEL COLOR: RED
10VA MAX.
200 Vdc
500mA Max. Current



REED SWITCH FORM C
LABEL COLOR: YELLOW
120 Vdc/120 Vac MAX.
250mA Max. Current

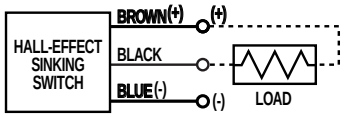


TRIAC SWITCH
LABEL COLOR: BLUE
Max. 1Amp. Cont. Current @ 86°F
Max. .5Amp. Cont. Current @ 140°F
Peak surge current 10Amp.



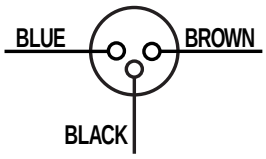
HALL-EFFECT SWITCH
(SOURCING)

LABEL COLOR: WHITE
Input Voltage:5-25 VDC only
Output Current: 200 mA Max.



HALL-EFFECT SWITCH
(SINKING)

LABEL COLOR: GREEN
Input Voltage:5-25 VDC only
Output Current: 200 mA Max.



QUICK-DISCONNECT
(Applies to all switch types)

An Important Note Regarding Field Retrofit of Quick-Disconnect Couplers:
If replacing a Quick-Disconnect switch manufactured before 7-1-97 it will also be necessary to replace or rewire the female-end coupler with the in-line splice

2503-1025 Female Connector 5M

SWITCH TYPE CODE

BT (Form C Reed Switch with 5-meter lead)
BM (Form C Reed Switch with 5-meter lead and QD)
RT (Form A Reed Switch with 5-meter lead)
RM (Form A Reed Switch with 5-meter lead and QD)
CT (TRIAC Switch with 5-meter lead)
CM (TRIAC Switch with 5-meter lead and QD)
KT (Hall-effect Switch (Sinking) 5-meter lead)
KM (Hall-effect Switch (Sinking) 5-meter lead and QD)
TT (Hall-effect Switch (Sourcing) 5-meter lead)
TM (Hall-effect Switch (Sourcing) 5-meter lead and QD)

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