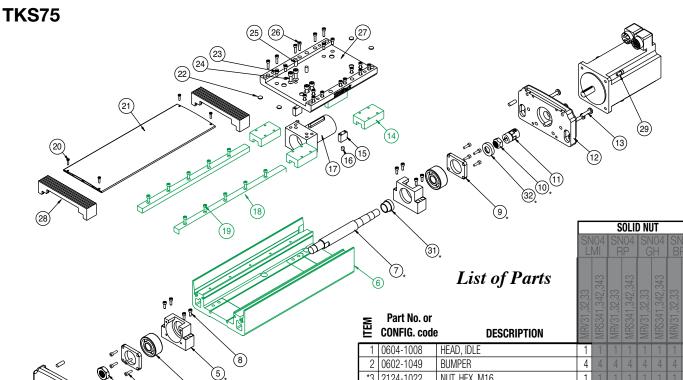


3600-4622_10

TruTrack Screw-Drive Actuator



NOTE: Items shaded cannot be field installed without proper assembly fixtures. For repair, return actuator to Tolomatic, Inc.

*Not backward compatible with units manufactured before 08/01/2003

(09/01/2021) DISCONTINUED PRODUCT STYLE OR SIZE. PARTS SHEET IS FOR REPAIR INSTRUCTIONS ONLY.

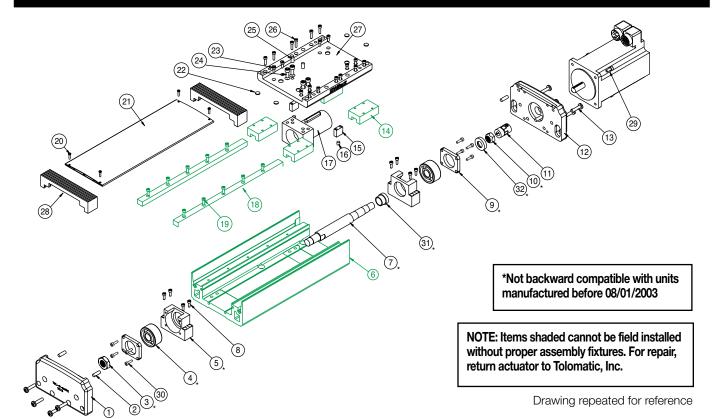
Parts listing is for reference only. All parts listed are limited to stock on hand. Contact Tolomatic regarding availability.

| (| 6) | List of Parts | 3 | 2,343 | | MRS341,342,343 | | ,342,343 | | ,342,343 |
|-----|--------------|--------------------------|--------|--------|--------|----------------|--------|----------|--------|----------|
| | | | ,32,33 | 1,34 | | 1,34, | | 1,34 | | 1,34 |
| TEM | Part No. or | | MRV31, | IRS341 | MRV31, | S34. | MRV31, | MRS341, | MRV31, | MRS341 |
| E | CONFIG. code | DESCRIPTION | MR | MR | MR | MR | MR | MR | MR | MR |
| 1 | 0604-1008 | HEAD, IDLE | 1 | 1 | | | | | | |
| | 0602-1049 | BUMPER | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2124-1022 | NUT, HEX, M16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0520-1245 | BEARING, BALL | 2 | 2 | | | | | | |
| | 0604-1664 | BEARING, BLOCK | 2 | 2 | 2 | | | 2 | 2 | 2 |
| | 0604-1601 | BASE, MACHINED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *7 | 0604-1656 | ACME SCREW | 1 | 1 | | | | | 1 | 1 |
| | 0604-1652 | ACME/4TPI, GH.34 | | | | | 1 | 1 | | |
| | 0604-1660 | ACME/4TPI, RP. | | | 1 | 1 | | | | |
| | 0604-1056 | SHCS, M6 x 35mm, SST | 8 | 8 | | | | | | |
| | 0604-1665 | CLAMP, BEARING | 2 | 2 | | | | | | |
| | 1150-1113 | SPHERICAL NUT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 3600-9252 | COUPLER KIT | 1 | | | | 1 | 1 | 1 | |
| | 3600-9253 | COUPLER KIT | | 1 | | | | | | 1 |
| | 0604-1007 | HEAD, DRIVE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0604-1025 | SCREW PAN M6 x 25mm, SST | 8 | 8 | | | | | | |
| 14 | 0602-1006 | BLOCK, THK LINEAR | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0604-1013 | BLOCK, MAGNET | 2 | 2 | | | | | | |
| | 2224-1016 | MAGNET ROD | 2 | 2 | 2 | | | 2 | | 2 |
| 17 | 0604-9150 | ASSY. CONNECTOR ACME NUT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0604-1033 | RAIL MACHINED | 2 | 2 | | | | | | |
| | 2212-1093 | SHCS, M4 x 12mm | AR | | | | | | | |
| | 0603-1036 | SCREW BUTTON, M3 x 10mm | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0604-1003 | COVER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0601-2090 | PAD | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 2212-1092 | SHCS, M4 x 10mm, SST | 8 | 8 | | | | | | |
| | 0604-1057 | SHCS, M6 x 16mm, SST | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 0603-1070 | PIN DOWEL | 2 | 2 | 2 | | | | | 2 |
| | 0602-1027 | SHCS, M4 x 16mm, SST | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| | 0604-1004 | CARRIER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | 0604-9830 | BELLOWS KIT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 | 2212-1097 | SHCS, M5 x 16, SST | 4 | | | | 4 | 4 | 4 | 4 |
| | 2212-1096 | SHCS, M5 x 12, SST | | 4 | | | | | | |
| | 2212-1097 | SHCS, M5 x 16, SST | 8 | 8 | | | | | | |
| | 0604-1651 | TAPER SLEEVE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *32 | 0604-2090 | SPHERICAL WASHER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | | | | | | | | | | |

(09/01/2021) DISCONTINUED PRODUCT STYLE OR SIZE. PARTS SHEET IS FOR REPAIR INSTRUCTIONS ONLY.

Parts listing is for reference only. All parts listed are limited to stock on hand. Contact Tolomatic regarding availability.

| ontac | t Tolomat | ic regarding availability. | | | | | | | | | | | ı | BALI | L NU | IT | | | | | | | | | | |
|----------|----------------------------|--------------------------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|---------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|-------------|----------------|
| Lis | t of Par | rts | BN | 101 MI | BN | 101 RP | BN | NO1 | BN BI | NO1 RK | BN | 102 MI | BN F | NO2 RP | BN | 102 3H | | 102 RK | | N04 MI | | 104 RP | | 104 iH | BN BI | 104 RK |
| ITEM | Part No. or CONFIG. cod | le DESCRIPTION | MRV31,32,33 | MRS341,342,343 | _ | MRS341,342,343 | MRV31,32,33 | MRS341,342,343 |
| 1 | 0604-1008 | HEAD, IDLE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 2 | 0602-1049 | BUMPER | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| *3 | 2124-1022 | NUT, HEX, M16 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| *4 | 0520-1245 | BEARING, BALL | 2 | 2 | | | 2 | | 2 | 2 | 2 | 2 | | 2 | 2 | | | | 2 | 2 | 2 | 2 | | 2 | | 2 |
| *5 | 0604-1664 | BEARING, BLOCK | 2 | 2 | | | 2 | | 2 | 2 | 2 | 2 | | 2 | 2 | | | | 2 | 2 | 2 | 2 | | 2 | | 2 |
| 6 | 0604-1601 | BASE, MACHINED | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 |
| *7 | 0604-1659 | BALL SCREW | 1 | | | | | | Ш | | | | | | | | | | <u> </u> | | | | | | | |
| \vdash | 0604-1655 | BALL/1TPI, GH.34 | | | | | 1 | 1 | | | _ | | | | | | | | L | - | | | | | | |
| \vdash | 0604-1663 | BALL/1TPI, RP. | | | 1 | 1 | | | | | _ | 4 | | | | | 4 | 4 | H | | | | | | | |
| \vdash | 0604-1658 | BALL/2TPI, MRV,MRS34, BRK.34 | | | | | | | | | 1 | | | | | | | | <u> </u> | | | | | | | |
| \vdash | 0604-1654 | BALL/2TPI, GH.34 | | | | | | | | | | | | - | 1 | 1 | | | H | | | | | | | |
| | 0604-1662 | | | | | | | | | | | | 1 | 1 | | | | | _ | | | | | | | |
| | 0604-1657 | BALL/4TPI, MRV,MRS34, BRK.34 | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | 1 |
| Ш | 0604-1653 | BALL/4TPI, GH.34 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| | 0604-1661 | BALL/4TPI, RP. | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | |
| 8 | 0604-1056 | SHCS, M6 x 35mm, SST | 8 | | | | 8 | | 8 | | 8 | | | 8 | 8 | | | | 8 | 8 | 8 | | | | | 8 |
| *9 | 0604-1665 | CLAMP, BEARING | 2 | | | | 2 | | 2 | | 2 | | | 2 | 2 | | | | 2 | 2 | 2 | | | | | 2 |
| *10 | 1150-1113 | SPHERICAL NUT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | 3600-9252 | COUPLER KIT | 1 | | | | 1 | 1 | 1 | | 1 | | | | 1 | 1 | 1 | | 1 | ı | | | 1 | 1 | 1 | |
| | 3600-9253 | COUPLER KIT | | 1 | | | | | | 1 | | 1 | | | | | | 1 | | 1 | | | | | | 1 |
| 12 | 0604-1007 | HEAD, DRIVE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 13 | 0604-1025 | SCREW PAN M6 x 25mm, SST | 8 | | | | 8 | | | | 8 | | | | 8 | | | | 8 | 8 | 8 | | | | | 8 |
| 14 | 0602-1006 | BLOCK, THK LINEAR | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 15 | 0604-1013 | BLOCK, MAGNET | 2 | | 2 | 2 | 2 | | | | 2 | | | 2 | 2 | | | | 2 | 2 | 2 | | | 2 | 2 | 2 |
| 16 | 2224-1016 | MAGNET ROD | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | 2 |
| 17 | 0604-9200 | ASSY. CONNECTOR BALL NUT | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | |
| | 0604-9250 | ASSY. CONNECTOR BALL NUT, .957 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | |
| | 0604-9100 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | 0604-1033 | RAIL MACHINED | 2 | | | | 2 | | | | 2 | | | 2 | 2 | | | | 2 | 2 | 2 | 2 | | 2 | | 2 |
| 19 | 2212-1093 | SHCS, M4 x 12mm | AR | | | | | | | | AR | | | | | | | | AR | AR | AR | | | | | AR |
| 20 | 0603-1036 | SCREW BUTTON, M3 x 10mm | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 21 | 0604-1003 | 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 |
| 22 | 0601-2090 | PAD | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 23 | 2212-1092 | SHCS, M4 x 10mm, SST | 8 | | | | 8 | | | | 8 | | | | 8 | | | | 8 | 8 | 8 | | | | | 8 |
| 24 | 0604-1057 | SHCS, M6 x 16mm, SST | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| 25 | 0603-1070 | PIN DOWEL | 2 | | | | 2 | | | | 2 | | | 12 | 2 12 | | | | 2 | 2 | 2 | | | | 2 12 | 2 |
| | 0602-1027 | SHCS, M4 x 16mm, SST | 12 | 12 | 12 | 12 | 12 | 12 | | 12 | 12 | 12 | | 12 | 12 | 12 | | 12 | 12 | 12 | 12 | 12 | | 12 | | 12 |
| 27 | 0604-1004 | CARRIER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 0604-9830 | BELLOWS KIT | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 | 2212-1097 | SHCS | 4 | | | | 4 | 4 | 4 | 4 | 4 | 4 | | | | 4 | 4 | 4 | 4 | 4 | | | 4 | 4 | 4 | 4 |
| | 2212-1096 | SHCS, M5 x 12, SST | | 4 | | | | | | | L | | 4 | | | | | | | | 4 | | | | | |
| 30 | 2212-1097 | SHCS, M5 x 16, SST | 8 | | | | 8 | | | | 8 | | | 8 | 8 | | | | 8 | 8 | 8 | | | | | 8 |
| *31 | 0604-1651 | TAPER SLEEVE | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 1150-1114 | SPHERICAL WASHER | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |



General Cylinder Disassembly Instructions

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

- Metric Allen Wrench Set
- Torx bit set
- Metric Socket Set
- Metric Combination Wrench Set
- 1. Carrier and Head Removal. Remove Cover Screws (20) and remove the Cover (21). Remove all Cap Screws (23,26) that attach Carrier (27) to THK Blocks (14). Remove Cap Screws (24) that attach Carrier to Nut Connector (17). Lift carrier from THK Blocks and Nut Connector. Note that there are dowel pins locating the Carrier to Nut Connector. Remove Head Screws (13) to remove heads (1,12).
- 2. Remove Lead Screw sub-assembly. On the non-motor end of the actuator remove Lock Nut (10) from Lead Screw (7). Remove the locknut on the motor end as well. Remove the Cap Screws (8) attaching Bearing Blocks (5) to the Base (6), and remove the motor end bearing block. The lead screw assembly can now be removed from the base. The motor end bearing is a press fit on the leadscrew journal. The use of a press may be required to get the bearing off. Remove the bearing clamps (9) from the bearing blocks in order to remove the bearings (4).

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

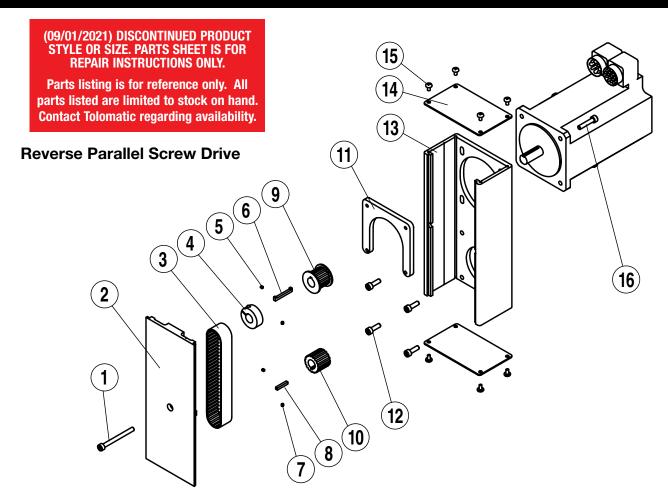
Plastic nut style: Plastic nuts are factory pinned into the Nut Connector and cannot be removed. If nuts are worn, a new Nut Connector Assy must be ordered.

General Cylinder Assembly Instructions

1. Install Lead Screw assembly and Carrier.

Thoroughly clean the taper sleeve (31) and tapered portion of leadscrew. With nut connector assembly and bearing block on the Lead Screw slide the tapered sleeve onto the motor end of screw, then slide bearing up to leadscrew journal. The bearing must be pressed on to the leadscrew journal up to the tapered sleeve. Take caution to only apply press to the inner race of the bearing. Locate spherical washer (32) over exposed threads, apply Loctite 242 to the threads and locknut, and thread the locknut (10) onto the screw. Torque locknut to 55 ft-lbs. Locate the bearing block over the bearing and install the bearing clamp, do not torque fasteners at this time. Slide the non-motor end bearing assembly over the end of the lead screw, and locate this assembly on the base. Secure both bearing blocks to the base. Torque Bearing Block fasteners (8) to 100 in-lbs. Verify that all bearing clamp fasteners are loose. Attach Carrier to the nut connector, locating on the dowel pins. Secure the fasteners attaching Carrier to the THK Bearing Blocks.

- 2. Bearing Alignment. Position the carrier near the motor end of the actuator. Torque the bearing clamp fasteners to 35 in-lbs. Re-position the carrier near the non-motor end of actuator, and torque the bearing clamp fasteners to 35 in-lbs. Install lockwasher and thread lock nut onto the non-motor end of lead screw. Torque the lock nut to 15 in-lbs and bend over the best fitting lockwasher tab.
- **3. Install Heads and Cover.** Attach Heads to the base with head screws (13). Install Cover (21) and attach with screws (20).



| | | | 1:1 R | ATIO | 2:1 R | ≀ATIO |
|-----|--------------------------------------|------------------------------------|-------------|----------------|-------------|----------------|
| Lis | t of Parts Part No. or CONFIG. code | DESCRIPTION | MRV31,32,33 | MRS341,342,343 | MRV31,32,33 | MRS341,342,343 |
| | 0.400 1.000 | CHOO ME VOO EE MAALONO COT | | | | |
| 1 | 3420-1639 | SHCS, M5 X 0.8, 55 MM LONG, SST | 1 | | 1 | |
| 2 | 0602-1615 | COVER, TKS50/75-34 FRAME | 1 | 1 | 1 | 1 |
| 3 | 2133-1025 | TIMING BELT | 1 | 1 | | |
| | 2164-1007 | TIMING BELT, 375-5M-19 | | | 1 | 1 |
| 4 | 2312-1005 | CLAMP COLLAR, Ø.500 | | 1 | | 1 |
| 5 | 4415-1015 | SET SCREW, M3 X 0.5 X 3 MM LONG | 2 | | 2 | |
| 6 | 2132-1021 | KEY, SPECIAL, .125 X .125 | 1 | | 1 | |
| 7 | 4415-1015 | SET SCREW, M3 X 0.5 X 3 MM LONG | 2 | 2 | 2 | 2 |
| 8 | 2100-1021 | KEY | 1 | 1 | | |
| | 1004-7706 | KEY, .125 X .125 X 1.00 LONG | | | 1 | 1 |
| 9 | 2132-1002 | PULLEY | 1 | | 1 | |
| | 0602-9850 | PULLEY, 16 TEETH, 19 MM WIDTH | | 1 | | 1 |
| 10 | 0603-1053 | PULLEY | 1 | 1 | | |
| | 0603-1054 | PULLEY, 32 TEETH, 19 MM WIDTH | | | 1 | 1 |
| 11 | 0602-1057 | PLATE | 1 | 1 | 1 | 1 |
| 12 | 2212-1097 | SHCS, M5 X 0.8 X 16 MM LONG, SST | 4 | 4 | 4 | 4 |
| 13 | 0602-1605 | HOUSING | 1 | 1 | 1 | 1 |
| 14 | 0602-1602 | END CAP | 2 | 2 | 2 | 2 |
| 15 | 0601-1625 | SCREW, #6 X .25, SELF-TAPPING, SST | 8 | | 8 | 8 |
| 16 | 2212-1099 | SHCS, M5 X 0.8 X 25 MM LONG, SST | 4 | 4 | 4 | 4 |

Reverse Parallel Disassembly Instructions

- Remove End Cap's (15). Release tension on belt by breaking loose the motor fasteners (17).
- 2. Remove RP Cover (2).
- 3. Remove both drive pulley (9) and driven pulley (10) from their respective shafts. The belt (3) will come off with the pulley's.
- 4. Remove motor fasteners (17) to remove motor from RP case.
- 5. Remove the RP case (14) from the head by removing fasteners (13).

(09/01/2021) DISCONTINUED PRODUCT STYLE OR SIZE. PARTS SHEET IS FOR REPAIR INSTRUCTIONS ONLY.

Parts listing is for reference only. All parts listed are limited to stock on hand. Contact Tolomatic regarding availability.

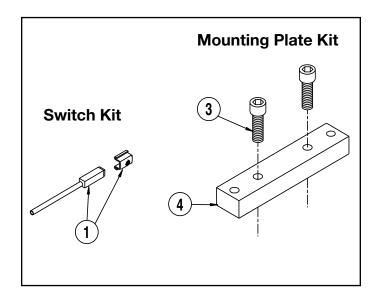
Reverse Parallel Assembly Instructions

*Apply Loctite #242 to all fasteners upon installation

- 1. Install RP case (14) to the head with cap screws (13).
- 2. Install the motor to the RP case with fasteners (17). Do not tighten the fasteners at this time.
- 3. Locate the belt (3) over the pulleys and slide the drive (9) and driven (10) pulleys over their respective shafts. Tighten each pulley to it's shaft with either trantorque or collar clamp. If trantorque, utilize torque wrench to apply appropriate torque. 1/2" hex on trantorque apply 75 in-lbs. 5/8" hex on trantorque apply 100 in-lbs.
- 4. Verify that there is clearance between the inside of the RP case and each pulley. Verify that the pulleys are aligned to each other.
- 5. Position the cover (2) in mating slot of the RP case and install the SHCS (1) to hold in place.
- Tension the belt by pulling the motor away from the drive shaft with the appropriate force from literature # 3600-4212. Tighten the motor fasteners while this force is applied to the motor.

| Motor Frame | Tension Force |
|---------------|---------------|
| MRB23, MRS123 | 10 lbs |
| MRV23, MRS34 | 20 lbs |
| MRV34, MRB34 | |

7. Install both end caps (15) with the screws (16) to finalize assembly.



List of Parts

Part No. or Item CONFIG. code Description QTY.

| | SWITCH KIT | | | | | | | | |
|---|---|--------------------------------|----|--|--|--|--|--|--|
| 1 | SWTKS75RT | AR | | | | | | | |
| | SWTKS75BT | AR | | | | | | | |
| | SWTKS75TT | AR | | | | | | | |
| | SWTKS75KT | Switch, Sinking, Hall, 5M Wire | AR | | | | | | |
| | NOTE: Switch bracket with set screw is included | | | | | | | | |
| | MOUNTING PLATES | | | | | | | | |
| 3 | 0604-1038 | SHCS M8 x 20 | 2 | | | | | | |
| 4 | 0604-1080 | MOUNTING PLATE | 1 | | | | | | |

*AR = as required

(09/01/2021) DISCONTINUED PRODUCT STYLE OR SIZE. PARTS SHEET IS FOR REPAIR INSTRUCTIONS ONLY.

Parts listing is for reference only. All parts listed are limited to stock on hand. Contact Tolomatic regarding availability.

OPTIONAL ACCESSORY ASSEMBLY INSTRUCTIONS

 MOUNTING PLATES. Mounting Plates should be secured at the required distances determined for the application to prevent tube deflection. Apply Loctite #242 to Screws and secure Mounting Plates to tube, aligning holes in tube with holes in Mounting Plates.

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

TO ORDER RETROFIT KITS:

SW (then the model number and base size, and code for type of switch needed).

EXAMPLE: SWTK75BT

Where **SW** is the switch kit, **TK** is the model, **75** is the 3" size, and **BT** is a Form C Reed Switch with 5-meter lead.

SWITCH TYPE CODE

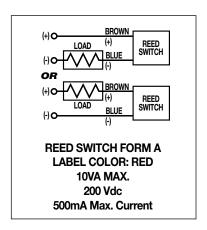
BT (Form C Reed Switch with 5-meter lead)

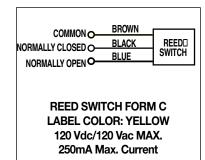
RT (Form A Reed Switch with 5-meter lead)

KT (Hall-effect Switch (Sinking) 5-meter lead)

TT (Hall-effect Switch (Sourcing) 5-meter lead)

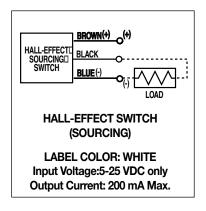
Universal Switch Wiring Diagrams and Label Color Coding

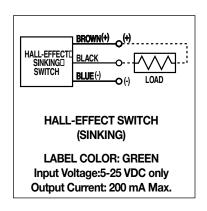




(09/01/2021) DISCONTINUED PRODUCT STYLE OR SIZE. PARTS SHEET IS FOR REPAIR INSTRUCTIONS ONLY.

Parts listing is for reference only. All parts listed are limited to stock on hand. Contact Tolomatic regarding availability.





Christo-Lube® is a registered trademark of Lubrication Technology, Inc., www.lubricationtechnology.com Loctite® is a registered trademark of the Loctite Corporation, www.loctite.com

Mobil grease® HP is a registered trademark of Mobil Oil Corporation, www.mobil.com



http://www.Tolomatic.com • Email: Help@Tolomatic.com
Phone: (763) 478-8000 • Fax: (763) 478-8080 • Toll Free: 1-800-328-2174

COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001=

Information furnished is believed to be accurate and reliable. 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.