SEALMASTER®

Emerson Power Transmission
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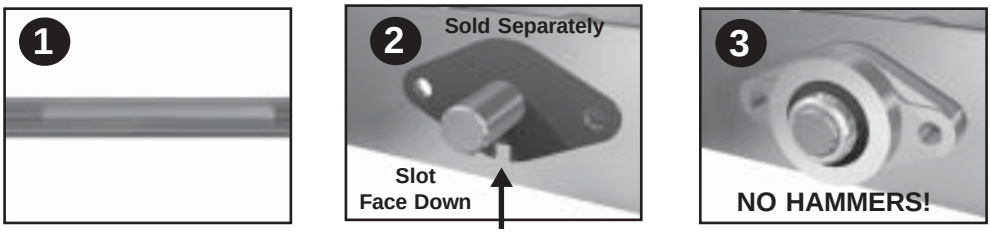
F O R M
PN 784419
PS-740-0001
Revision 01
February, 2002

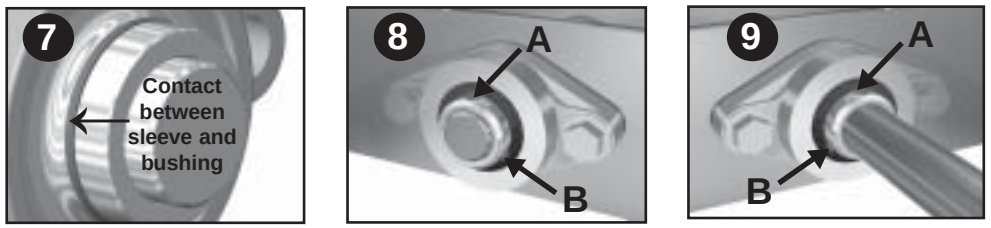
⚠CAUTION

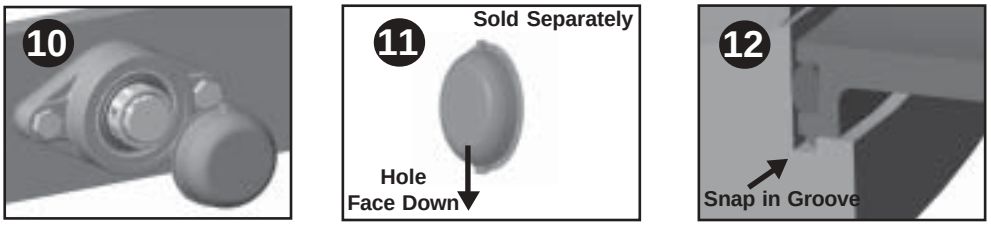
Failure to read & follow all instructions could result in malfunction, injury, or property damage.

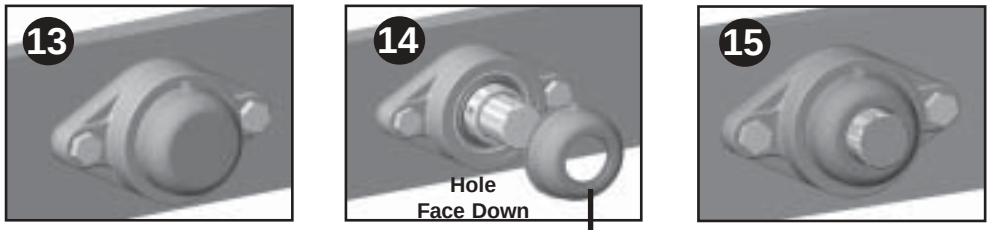
SLIC MOUNT INSTALLATION INSTRUCTIONS

1. Insure shafting is clean and within spec. See Table below. Remove all burrs.
2. Place back-side shield on shaft, if used. Drain slot MUST be face down.
3. Place first bearing onto shaft. DO NOT HAMMER.
4. Install Bolts and Stainless Steel washers (if used). **Tighten down housing mounting bolts on Bearing #1.**
5. Repeat Steps 2-4 for the second bearing but DO NOT tighten down housing mounting bolts yet.
6. Align bearings and shaft. Shaft should be within ±2 degrees then **Tighten Mounting Bolts on Bearing #2.** Stainless steel sleeves on both bearings should face opposite directions.
7. Insure the stainless steel sleeves are mounted so the flanged area is contacting the polymer bushing.
8. BEARING ONE SET SCREW TIGHTENING DIRECTIONS:
   HALF - Tighten Set Screw "A" to 1/2 the recommended torque in Table below.
   FULL- Tighten Set Screw "B" to the full recommended torque in Table below.
   FULL - Tighten Set Screw "A" to the full recommended torque in Table.
9. Repeat tightening of the set screws in step 8 for the second bearing. Set screws on both bearings should be aligned to avoid shaft wobble.
10. OPTIONAL CLOSED END CAP INSTRUCTIONS: The polymer end cap snaps into the housing.
11. The drain hole should be placed so it is facing down when the cap is installed.
12. Press the cap into the housing until it snaps into the groove in the housing.
13. Closed End Cap assembly completed.
14. OPTIONAL OPEN END CAP INSTRUCTIONS: The polymer end cap snaps into the housing. Any drain hole placed in the cap must face down.
15. Slide the cap over the shaft. Make sure there is no contact between the shaft and the end cap.
16. Rotate bearing several times. Look, Feel, and Listen for anything unusual.
17. To remove cap, pry the cap off the housing using the pry tab on the top of the cap.









SHAFT TOLERANCES	
Shaft Diameter (in.)	Shaft Tolerance (in.)
1/2" to 1-15/16" (12 - 49 mm)	Plus .0000 to minus .0005 (Plus 0 to minus .125 mm)

SET SCREW TIGHTENING				
CR Gold, TDC Gold, Bev Gold				
Shaft Size (in)	Set Screw Diameter	Hex size across flats	Torque	
			in-lbs	N-m
3/4 - 1 1/4R	1/4	1/8	35-40	3.95-4.52
1 1/4 - 1 3/4	5/16	5/32	75-100	8.47-11.30

End Caps and Back Side Shields not available on all units. Sold Separately.

LUBRICATION

SLIC mount units can operate with no additional lubrication. However, the addition of hydrocarbon oils or grease lubrication may improve bearing performance and extend the usable life of the unit. NOTE: Avoid fluorocarbon and silicone oils and greases. They can significantly reduce the life of the unit.

EMERSON
Industrial Automation

SLIC Mount Bushing Replacement

APPLICATION ASSISTANCE:

For applications assistance, please contact SEALMASTER Engineering at: Phone: (630) 898-9620
Fax: (630) 898-6064
Email: sealmaster.engineering@emerson-ept.com

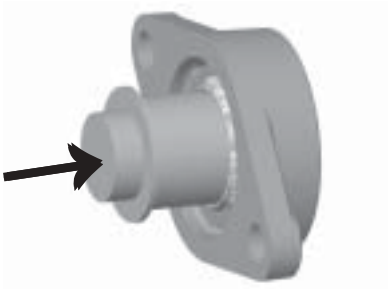
Polymer Bushing Replacement

SLIC Mount polymer bushings have a wall thickness of approximately 0.090 inches when new. A bushing with a wall thickness of less than 0.020 inches should be changed. Specific applications may require more frequent replacement of the bushing.

BUSHING REMOVAL

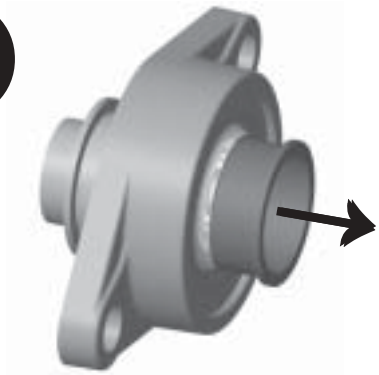
Use the Hand-Held Arbor Tool available from EPT to both remove the old bushing and install a new one.

1



Remove the stainless steel sleeve from the unit. Slide the removal end of the Hand-Held Arbor Tool into the back side of the polymer bushing.

2

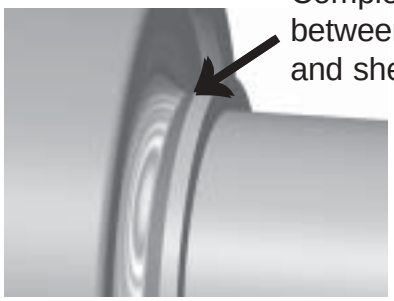


The bushing will push out of the front of the unit. Slowly push on the Hand-Held Arbor Tool until the bushing is removed from the shell.

Helpful Note:
Cooling the bushing before installation can reduce the force necessary for installation!

3

Carefully push the polymer bushing into the outer shell by hand just enough to keep the bushing from falling out of the shell. Then use the installation end of the Hand-Held Arbor Tool to push the bushing in completely.



4

The flange of the polymer bushing should fully contact the front face of the outer sleeve. Remove the arbor tool and replace the stainless steel sleeve. Follow the bearing installation instructions on the opposite side for reinstallation of the unit, if necessary.

⚠WARNING Disconnect all power **before** installation and servicing.

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