

WARNING

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Union Installation (See Fig. 3):

- 1) Install (2x) Threaded Rods with washers and nuts into the shaft.
 - a) 180 degrees apart
 - b) These will assist in the centering of the union over the shaft.



Union Installation (See Fig. 4):

- 2) Support Union with lifting straps attached to Housing (2x) Eye Bolts.
 - a) Union must be centered to customer shaft
- 3) Move union toward customer shaft.
 - a) Align holes in End Plate with threaded rods.
- 4) Install washer and nut on each rod.
- 5) Move Union over customer shaft and begin to push
 - a) Use a wrench on each nut.
 - b) Turn each nut at the same time and same amount (example 1/4 turn) i) Purpose is to apply uniform load on union
 - c) Union must be centered to shaft
 - d) Union must be supported for the first 250mm of the 350mm shaft length
 - i) To prevent damage to union or shaft
 - ii) Support can be removed after reaching this amount
 - e) DO NOT INSTALL UNION BY PUSHING ON THE UNION HOUSING
 - Failure to follow this requirement could lead to significant internal union or shaft damage
 - DO NOT USE HYDRAULIC JACKS TO APPLY PRESSURE ON UNION FOR INSTALLATION f)
- 6) Remove threaded rods, after union is completely seated.



Union Installation Continued (See Fig. 5):

- 7) Secure union to shaft with (4x) cap screws.
 - a) Tighten screws in a star pattern to a torque of 35 ft-lbs. (47 N-m)



Union Installation Continued (See Fig. 6):

- 8) Orientation of attachments as shown (See Fig. 6)
 - Position as viewed from Drive End
 - i) Release Port Outlet Port (P2) 3 O'Clock
 - (1) Must maintain 0.5 bar Minimum Pressure at all times on both hose connection ports

WARNING:

- ii) Clamp Port Inlet Port (P1) 9 O'Clock
 - iii) Drain Port 12 O'Clock (1) Vertical Up Position



Union Installation Continued (See Fig. 7):

- 9) Orientation of attachments as shown (See Fig. 7)
 - a) Anti-Rotation Pin 6 O'Clock
 - b) Anti-Rotation Bracket 6 O'Clock

10) Flexible hoses must be used to minimize side loading on Union



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Union Removal (See Fig. 8):

- 1) Begin by removing all attachments, including hoses.
- 2) Remove cap screws securing endplate to shaft.



Union Removal Continued (See Fig. 9):

- 3) Install (2x) Threaded Rods into housing
- 4) Install Removal Fixture
 - a) Position Hub over shaft as shown
 - b) Install (2x) Spacers over the Threaded Rods as shown
 - c) Install Plate by aligning the holes in Plate with the Threaded Rods
 - d) Install washer and nuts as onto the threaded rods and secure tightly
 - e) Install the Threaded Rod/Nut into Plate as shown
 - f) Install (2x) Eye bolts to support union.
 - g) Begin to move the union off the shaft by turning the nut at the end of the Threaded Rod/Nut.



