

INSTALLATION INSTRUCTIONS FOR C-3503-DM

Prepare Valve for Installation:

1. Make sure that valve spool and valve face are free of any foreign particles.
2. Remove retaining ring from shaft (discard).
3. Remove the two 1/4-20 capscrews holding the seal retaining flanges in place - remove flanges and o-ring on shaft.

Prepare Cylinder for Installation:

1. Remove the two 5/16-18 capscrews from rear of cylinder. This will disassemble cylinder into 3 pieces:
 - 1) Mounting Bracket with Sockethead Capscrews
 - 2) Cylinder Body Assembly with O-Ring
 - 3) Rear Cover Plate with O-Ring

Installation of Cylinder:

1. Slide bracket over shaft with recess of bracket facing pump. Make sure O-Ring seat is in recess of bracket. Attach to pump with (2) sockethead capscrews using a 3/16" allen wrench.
2. Rotate pump shaft to align hole in shaft with the setscrew located inside the middle air port of the cylinder body. Slide cylinder body assembly over shaft.
3. Apply Loctite to setscrew and secure to pump by screwing setscrew through pump shaft using a 5/32" allen wrench, tighten firmly.
4. Place rear cover plate with O-Ring onto end of cylinder body and install capscrews, torque to 10ft/lbs.
5. Test alignment of cylinder by removing pipe plug from rear cover, inserting a 3/16" allen wrench through cover and rotating shaft clockwise. Shaft should rotate freely. Replace pipe plug using a thread sealant.
6. Install air lines and test for proper operation.

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