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C-3505-DM Cylinder Installation Instructions

Rev:)A, 03/14/2013
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Stage 1: Prepare Valve for Installation

Tools Needed: 1/4" Hex Wrench, 1/2" Wrench

1. Inspect Valve Spool and Valve Face to insure they are free of any foreign substance (dust, dirt, etc.).
2. Remove pre-existing Poppet and Spring from Cap on Hydraulic Valve.
3. Remove four (4) pre-existing Cap Screws and Housing Cap from Hydraulic Valve.

Stage 2: Install New Cylinder

Tools Needed: 1/4" Hex Wrench, 1/2" Wrench

1. Remove Seal Ring from Cylinder as shown in Figure 1.

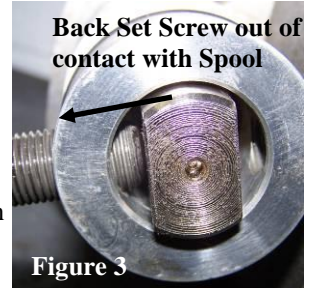


2. Remove Piston Assembly from Cylinder Body as shown in Figure 2.

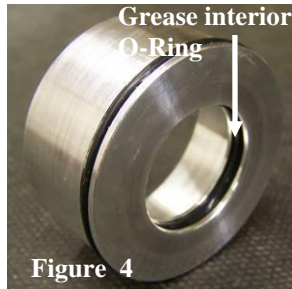
Note: The Snap Ring does not have to be removed.



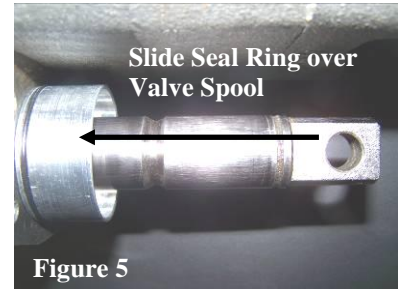
3. Using 1/4" Hex Wrench, remove Set Screw from Piston Assembly far enough to slide over Pump Shaft as shown in Figure 3.



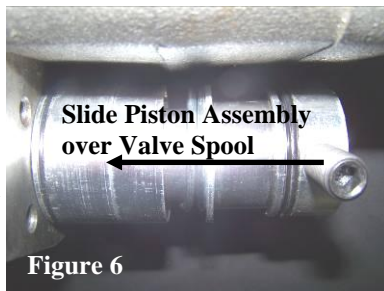
4. Grease interior O-Ring of Seal Ring as seen in Figure 4.



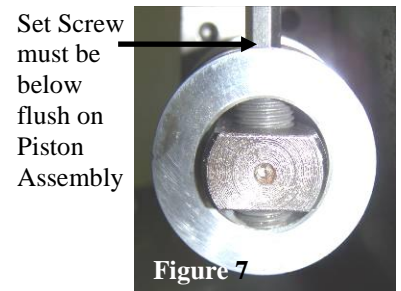
5. Slide Seal Ring over Valve Spool insuring flat face is closest to Valve Body as shown in Figure 5.



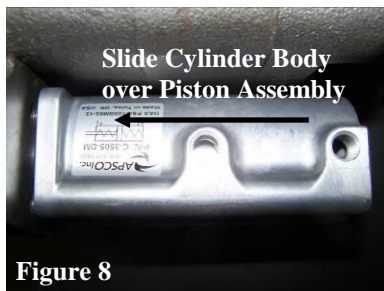
6. Grease ID O-Ring of Piston and slide Piston Assembly over Valve Spool with Spring Assembly closest to Valve Body as shown in Figure 6.



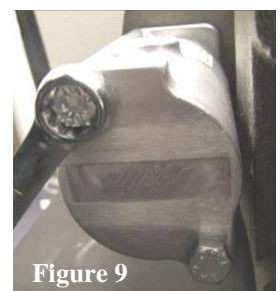
7. Attach Piston Assembly to Valve Spool by threading Set Screw through hole in Valve Spool as shown in Figure 7.



8. Grease O-Rings and slide Cylinder Body over Piston Assembly as shown in Figure 7.



9. Fasten Cylinder Body to Valve Body using two (2) Cap Screws. Tighten to 10-15 ft-lbs torque as shown in Figure 9.



10. Once assembly has been completed, install fittings and airlines and test for proper operation. **APPLY THREAD SEALANT TO ALL FITTINGS.**