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# C-3840-DM Cylinder Installation Instructions

Rev.: )-, 10/29/14  
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**Note: Cylinder does not have to be disassembled to install.**

## Stage 1: Prepare Valve for Installation

**Tools Needed:** 3/16" Hex Wrench

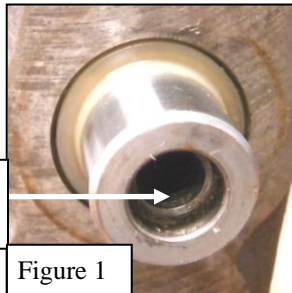
1. Inspect Valve Spool and Valve Face to insure they are free of any foreign substance (dust, dirt, etc.).
2. If needed, remove two (2) old/pre-existing Cap Screws holding Spring Cover on Valve Housing. Discard old/pre-existing Cap Screws and Spring Cover.
3. If needed, remove Shoulder Bolt holding Spring Cups and Spring. Discard old/pre-existing Shoulder Bolt, Spring Cups, Spring, and large steel Washer.

## Stage 2: Cylinder Installation

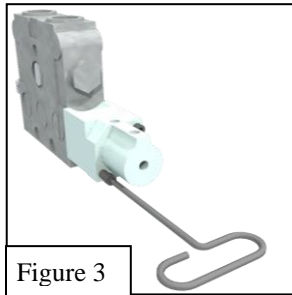
**Tools Needed:** 3/16" Allen Wrench

1. Apply one (1) drop of Loctite to threaded portion of Valve Spool as shown in Figure 1.

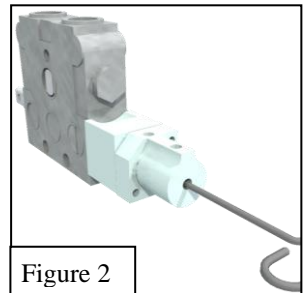
Apply Loctite to  
Valve Spool threads



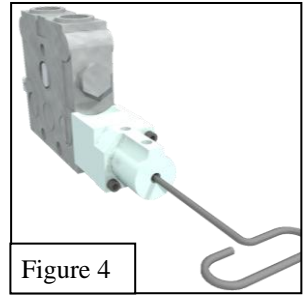
3. Thread Socket-Head Cap Screws through mounting holes in Cylinder Assembly to matching holes in Valve Housing as shown in Figure 3. Tighten firmly to 12 ft-lbs using 3/16" Allen Wrench.



2. Using 3/16" Allen Wrench in rear fitting port of Cylinder, thread Cylinder onto Valve Spool as shown in Figure 2. Tighten firmly to 11 ft-lbs by holding spool on opposite end.



4. After assembly has been completed, test for proper alignment by turning Valve Spool using 3/16" Allen Wrench in rear fitting port of Cylinder as shown in Figure 4. Valve Spool should rotate freely.



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