



Air Power Systems Co., Inc.
8178 E. 44th St.
Tulsa, OK 74145
(918) 622-5600 FAX: (918) 622-5469
www.apscopower.com

C-3546-DM Cylinder Installation Instructions

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Approved By: Frank Horn
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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 foreign particles (dust, dirt, etc.).
2. Remove 2 Cap Screws holding Spring Cover on Valve Housing (discard cover).
3. If needed, remove Shoulder Bolt holding Spring Cups and Spring. Discard Bolt, Spring Cups, Spring, and Steel Flange.

Stage 2: Install New Cylinder

Tools Needed: 3/16" hex wrench

Note: Cylinder does not have to be disassembled to install.

1. Apply Loctite to threaded portion of Shoulder Bolt as shown in Figure 1.

Apply Loctite to threads

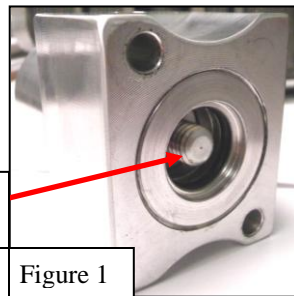


Figure 1

2. Secure Cylinder to Valve Spool using a 3/16" hex wrench in rear fitting port of Cylinder. as shown in Figure 2. Tighten firmly to 15 ft-lbs by holding spool on opposing end.

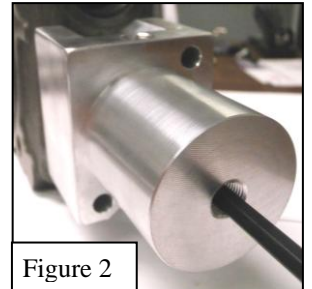


Figure 2

3. Install Cap Screws through mounting holes in Cylinder Body and tighten to 12 ft-lbs using 3/16" hex wrench as shown in Figure 3.

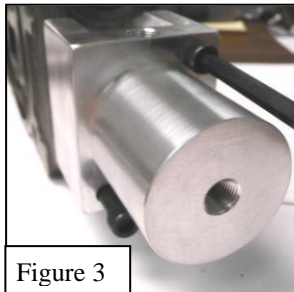


Figure 3

4. Test for proper alignment by turning Valve Spool using a 3/16" hex wrench as shown in Figure 4. Valve Spool should rotate freely.

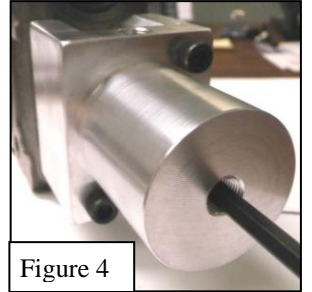


Figure 4

5. **Apply thread sealant to all fittings** and install DOT approved fittings and airlines and test for proper operation.