



## General Service

## CVHE-SB-57

Library	Service Literature
Product Selection	Refrigeration
Product	Centrifugal Liquid Chillers
Model	CVHE/F/G, CDHF/G
Literature Type	General Service Bulletin
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# Subject: Installation Procedure for 2-Bolt Flange Oil Regulator Assembly

### Introduction:

This is an informational Service Bulletin concerning the proper procedure for installing a 2-bolt flange oil regulator assembly for CVHE, CVHF, CVHG, CDHF and CDHG centrifugal machines.

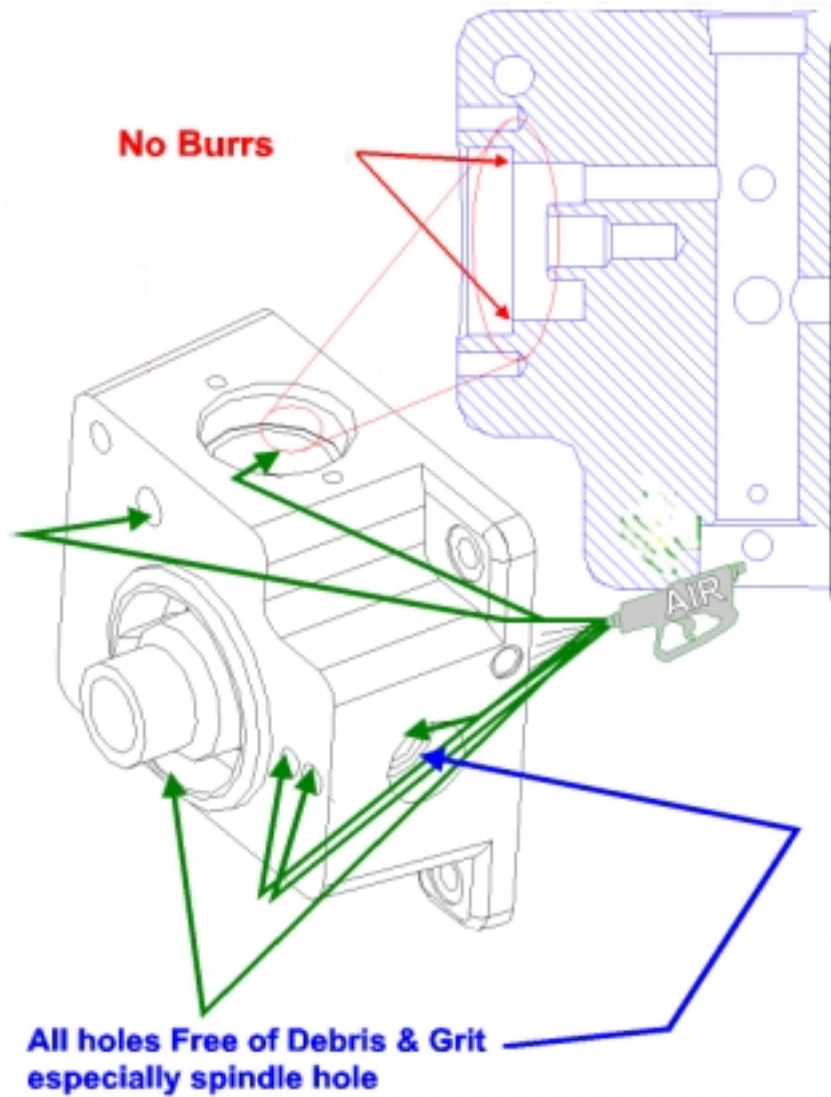
### Discussion:

We have received reports of improper field installation of the new 2-bolt oil regulator assembly. If the proper procedure is not followed, the regulator diaphragm may be cut which causes loss of oil pressure regulation.

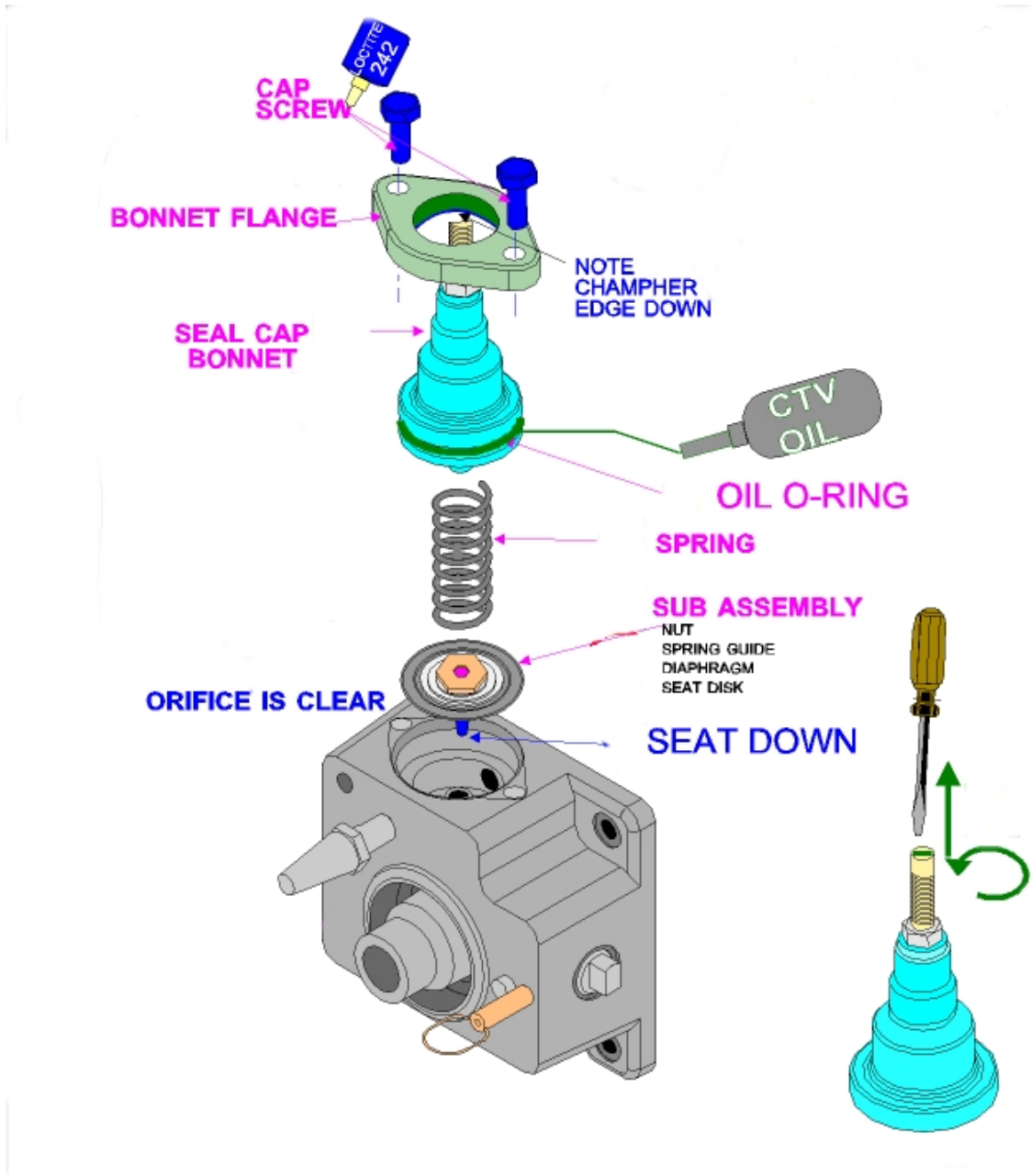
### Recommended Action:

1. When installing a new 2-bolt flange oil regulator assembly, the first step is to make sure that the oil regulator block orifice machined surface is clean and free of sharp edges or burrs. (See Figure 1.)
2. Assemble the regulator assembly parts as shown in Figure 2.
3. Oil the O-ring on the seal cap bonnet with Trane Oil 0022. It is important to make sure the bonnet flange has the chamfered edge facing down.
4. Screw the valve stem out (counterclockwise direction) to relieve spring pressure to aid in assembly.
5. Insert the regulator assembly into the block orifice, making sure the assembly slides into the orifice without binding or cutting the O-ring.
6. Uniformly tighten the cap screws using a torque wrench and bring the final torque to 108 inch-pounds, plus or minus 12 inch-pounds. (See Figure 3.)
8. As a final step, adjust the valve stem until 7/16-inch is exposed above the jam nut. (See Figure 4.) Tighten the jam nut securely.
9. Install the valve cap.

**Figure 1**  
**Oil Regulator Block Areas that need to be Dirt Free and have no Burrs**



**Figure 2**  
**Shows Assembly Parts of Oil Regulator Valve**



**Figure 3**  
**Tighten Capscrews Using Torque Wrench**

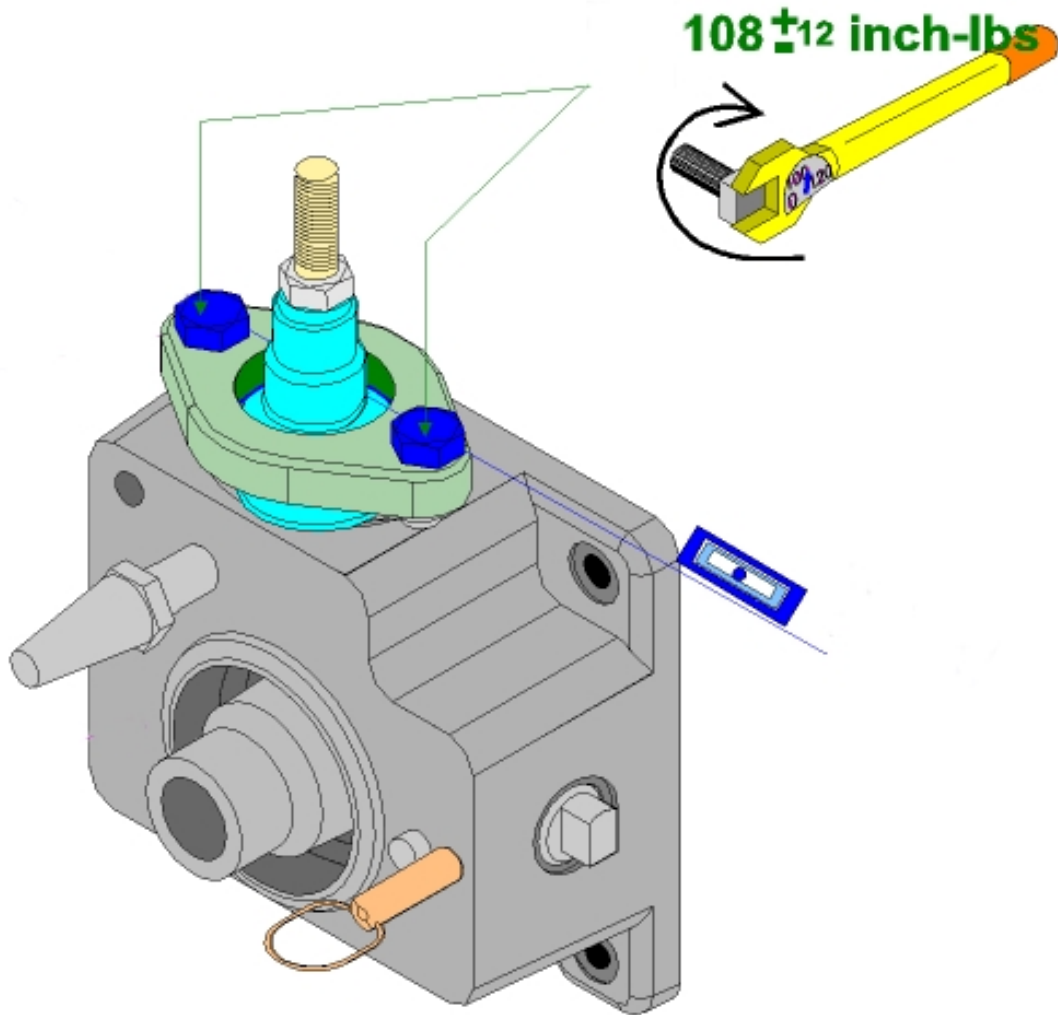
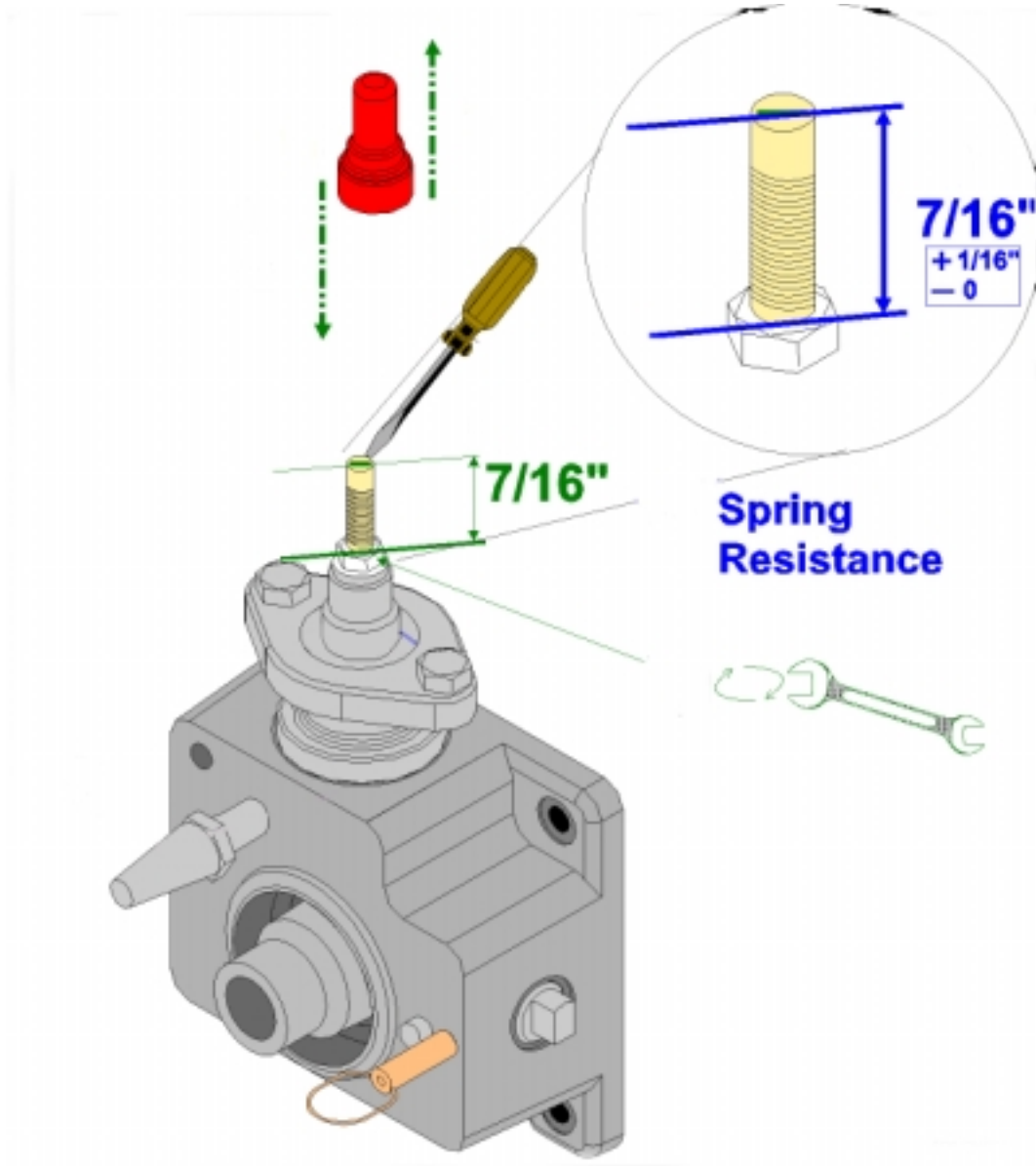


Figure 4  
Showing Adjustment Information of the Valve Stem



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## **Parts Order Information**

This bulletin is informational only and does not authorize parts or labor.

## **Production Changes**

There are no production changes made per the procedure described in this bulletin.

## **Units Affected**

CVHE, CVHF, CVHG, CDHF and CDHG centrifugal machines.