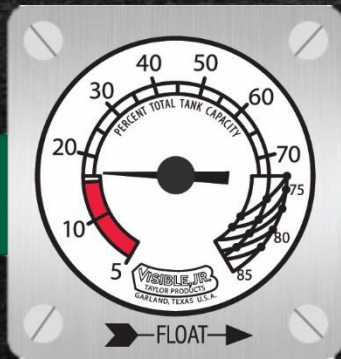


**S Q U I B B**



**T A Y L O R**

AL343A, AL362A, & L424A Service Guide



# 363-0020 Repair Kit

- 1 – Disc
- 1 – Cap Screw
- 1 – Seat Retainer
- 1 – Body/Bonnet Seal
- 1 – Seal Retainer
- 1 – Stem Seal
- 1 – Seal Sleeve
- 1 – Bonnet Bushing





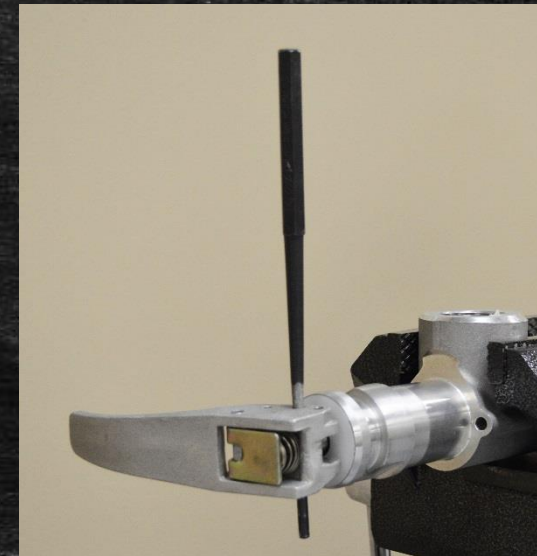
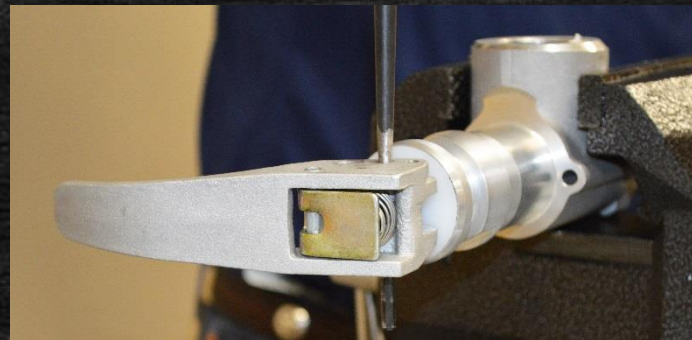
# Disassembly Procedure for Repair

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# Disassembly Step 1

With the valve secured in a bench-mounted vise, use the 1/4" Drift Pin to remove the Roll pin. This will allow the Handle Assembly to be removed from the stem.





# Disassembly Step 2

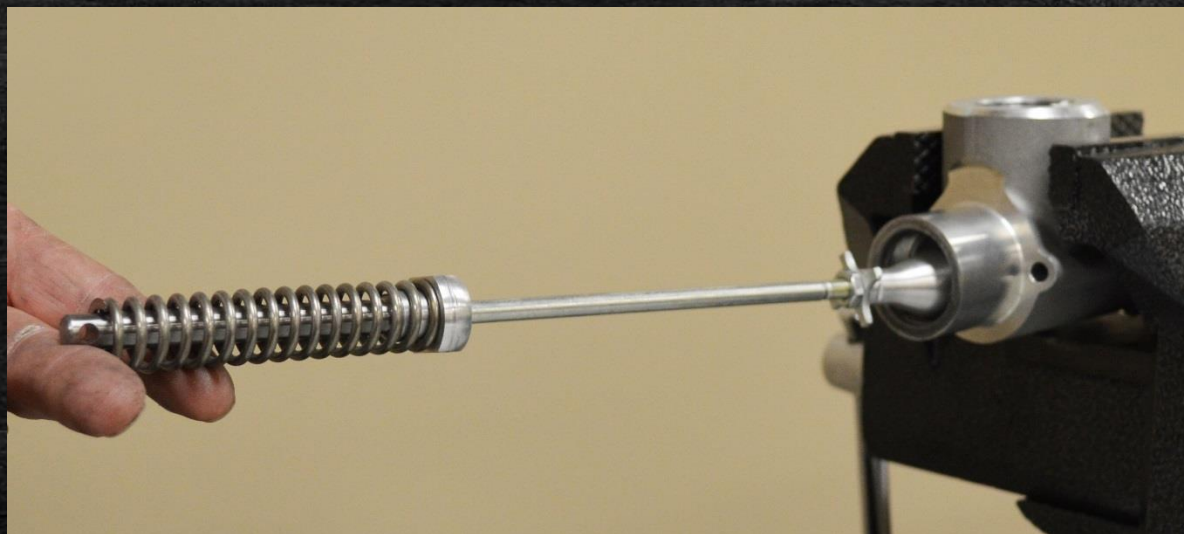
Remove the Bonnet from the Body using the 12" adjustable wrench. NOTE: the handle bearing, wiper ring, bonnet bushing, stem seal, seal sleeve seal retainer, and body bonnet seal will all remain with the bonnet when removed.





## Disassembly Step 3

Remove the stem and extension assembly through the top of the body.  
NOTE: the stem spring and handle guide will all remain with the stem and extension assembly when removed.  
Keep these parts for use during re-assembly.





# Inspection Procedure

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# CAUTION:

The complete stem and extension assembly should be inspected before re-assembly is attempted. The following components should be inspected for proper fit and function before the stem and extension assembly is re-used.

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# Inspection Step 1

At Location "A" of figure 1, the stem extension must rotate freely inside the seat retainer and have a small amount of end play inside the bore. The interface is mechanically crimped and cannot be disassembled.





# Inspection Step 2

At Location "B" of figure 1. the disc holder should be shouldered snug against the screw.





**If inspection of either of these locations yields a problem, the complete stem and extension assembly must be replaced. Refer to the available chart kits on the reverse side of form FVCo86 Rev 3 for kit numbers.**



# Assembly Procedure

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# Assembly Step 1

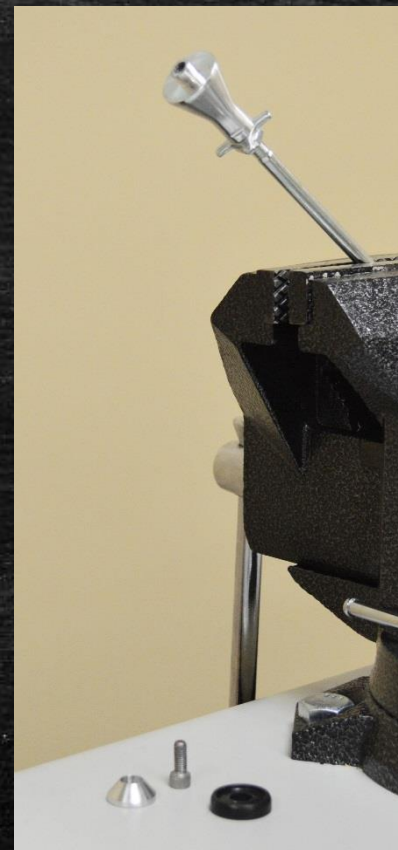
To Remove the disc from the disc holder, remove the screw and seat retainer.





# Assembly Step 2

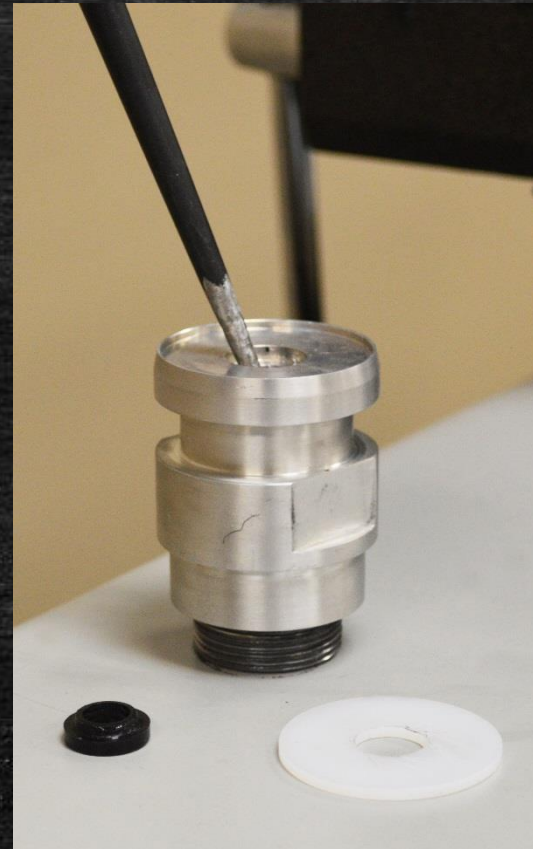
Re-assemble the valve using a new disc.





## Assembly Step 3

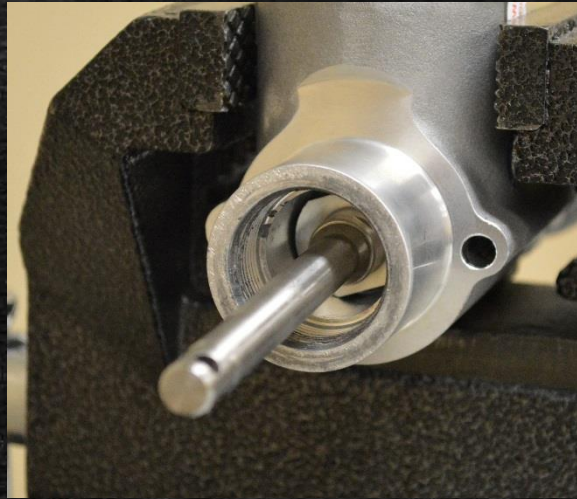
To replace the stem seal, remove the handle bearing and wiper ring from the top of the bonnet. Keep these parts for use during re-assembly. Through the top of the bonnet, press the bonnet bushing downward using the 1/4" drift pin. This will also remove the stem seal, seal sleeve and seal retainer. Remove the bonnet/body seal.





# Assembly Step 4

To install the new stem seal and re-assemble the valve, place the repaired stem and extension assembly (or new assembly number S343-1702) through the top of the body until it rests on the seat.





## Assembly Step 5

Install the new stem spring and seal retainer over the stem with the small shoulder diameter of the seal retainer facing upward.





## Assembly Step 6

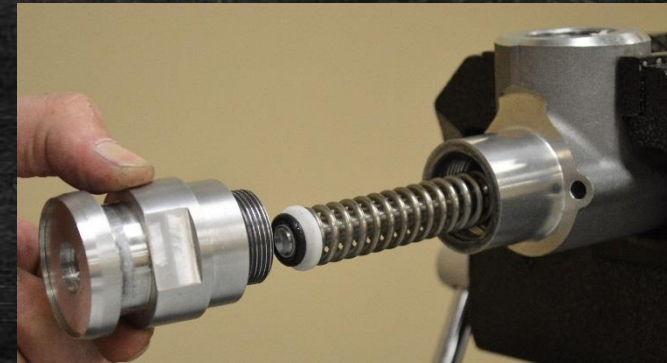
Place the stem seal over the seal sleeve to create a "seal assembly". Lubricate the seal assembly with the dow corning 112 grease provided in the seal kit. With the flange of the seal sleeve facing upward, place the seal assembly over the stem and carefully press it down until it touches the small shoulder diameter of the seal retainer. Install the seal washer over the stem with the larger shoulder facing downward.





# Assembly Step 7

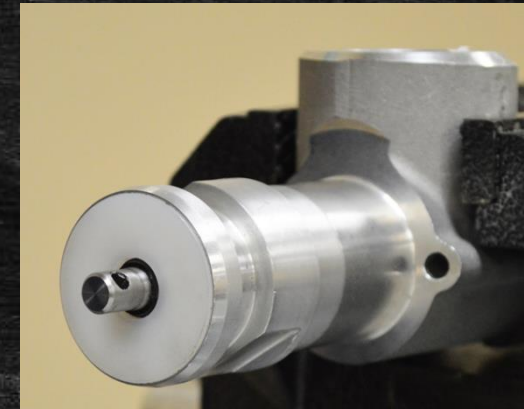
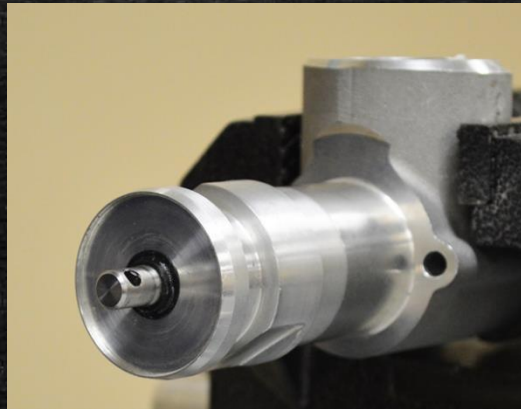
Install the body/bonnet seal to the bonnet and lubricate the seal with the dow corning 112 grease provided. Carefully place the bonnet over the stem and press down until the threads on the bonnet engage the threads in the top of the body. Thread the bonnet down to the top shoulder of the body and tighten snug with a 12" adjustable wrench.





# Assembly Step 8

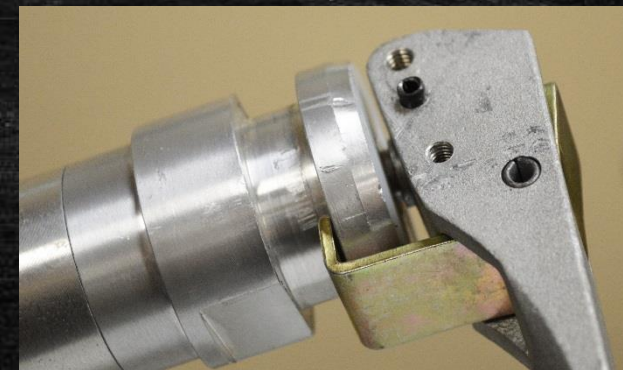
Install the wiper ring, with the larger shoulder downward, into the groove on top of the bonnet and re-install the handle bearing.





# Assembly Step 9

Install the handle pivot roll pin into the hole on just one side of the handle. Place the stem centering washer over the stem with the large diameter of the handle guide facing downward. Re-install the handle assembly over the stem. Align the roll pin with the hole in the stem and drive it through with a ball peen hammer.





**The Valve is now assembled and ready for  
a Mechanical Latch Test and a Pressure Test.**

***(Refer to Form FVC 086 for test procedures.)***

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