



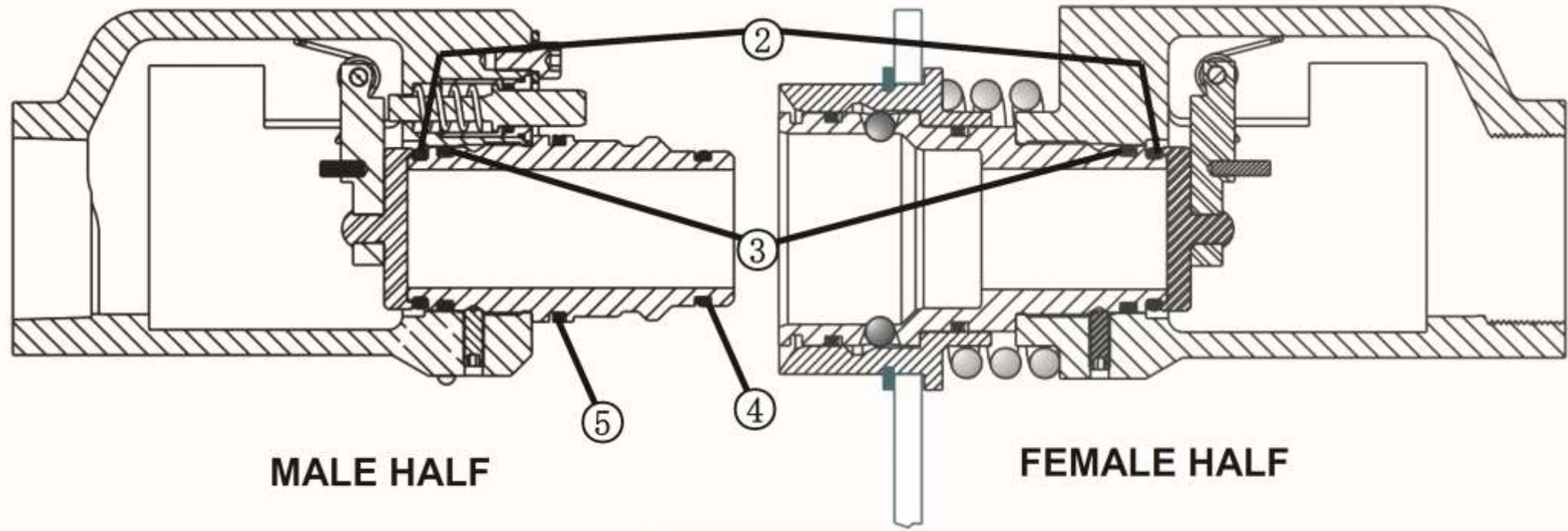
FM125 & FM126 Service Guide

FM125-0022 & FM125-0024 Repair Kit

- #1 - 1 Pc. FM125-5012 Ball Carrier Installation Tool (FM125-0022 Only)
- #2 - 2 Pcs. P5-287-Ro O-Ring
- #3 - 2 Pcs. P5-067-R2 O-Ring
- #4 - 1 Pc. 108-2003 O-Ring
- #5 - 1 Pc. P5-288-Ro Quad O-Ring
- #6 - 2 Pcs. Set Screw



Replacement of Male Half O-Rings



MALE HALF

FEMALE HALF

FIGURE 1

To Replace O-Rings 2, 3, & 4 on the Male Half
(See FIGURE 1 for item numbers).

Male Half Step 1

Secure the Male Half in a bench vice with the Male Plug facing upward. Using $\frac{3}{32}$ " Allen wrench, loosen the Set Screw until its end is about $\frac{1}{8}$ " out from the body.



Male Half Step 2

Using a $5/32$ " Allen wrench remove the Cap Screw and Housing Retainer from the Male Body.



Male Half Step 3

Using a large adjustable wrench, turn the Male Plug counter-clockwise and remove it from the Body.

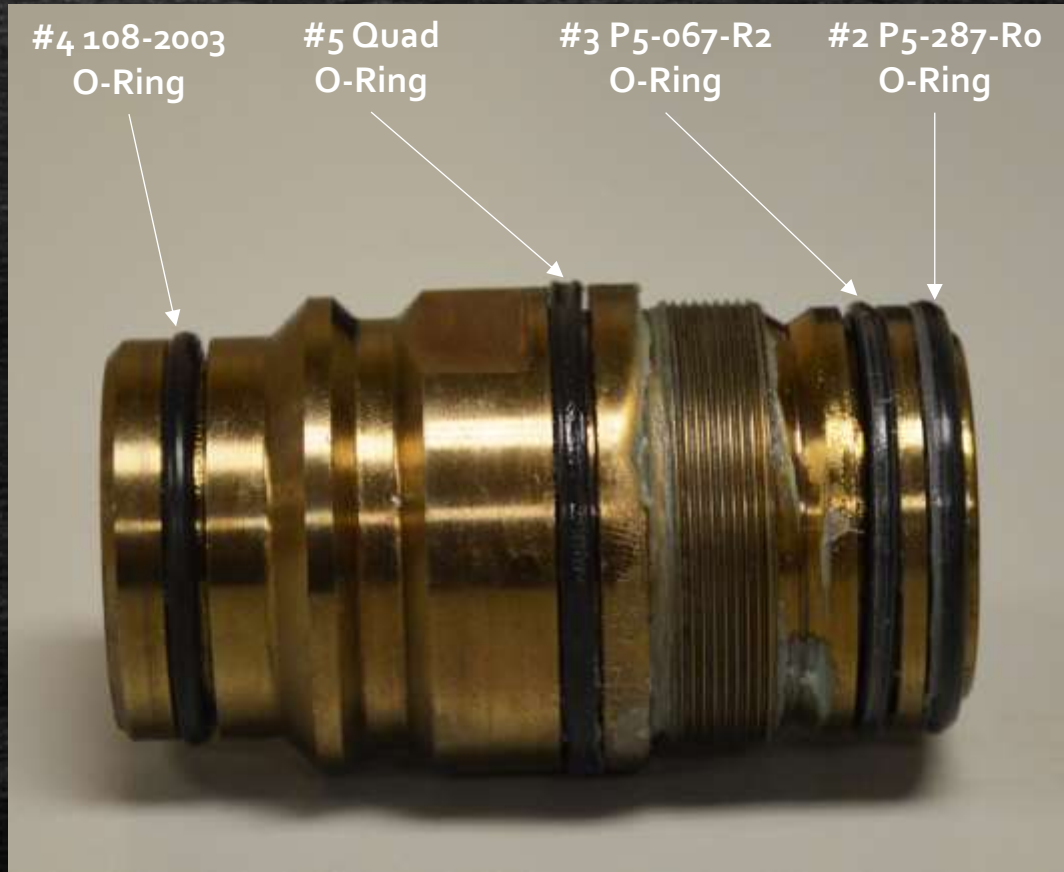
NOTE: Use caution to avoid damage to the Plunger.

NOTE: If the Check Valve Plunger is to be replaced (Service Kit Number FM125-0023), see the FVCo65 for instructions.



Male Half Step 4

Lubricate the new O-Rings & Quad Ring with a non-petroleum based lubricant and replace them as designated in Figure 1.



Male Half Step 5

Lightly lubricate the Male Plug threads with a non-petroleum based lubricant.



Male Half Step 6

Install the Male Plug into the Body,
hand-tight only.



Male Half Step 7

Place the Retainer over the threaded hole, secure with the Cap Screw, and tighten with the $5/32$ " Allen wrench.



Male Half Step 8

Taking care not to damage the Plunger, tighten the Male Plug with a large adjustable wrench.



Male Half Step 9

Tighten the Set Screw on the side of the Body, using the $\frac{3}{32}$ " Allen wrench.



#6 Set Screw

Male Half Step 10

The Manufacturer suggests that an air test be performed on the entire assembly prior to returning to service.

Male Half Step 11

After testing, refer to Installation, Operation and Maintenance Manual number FVCo62 for warnings and re-installation instructions.

Replacement of Female Half O-Rings

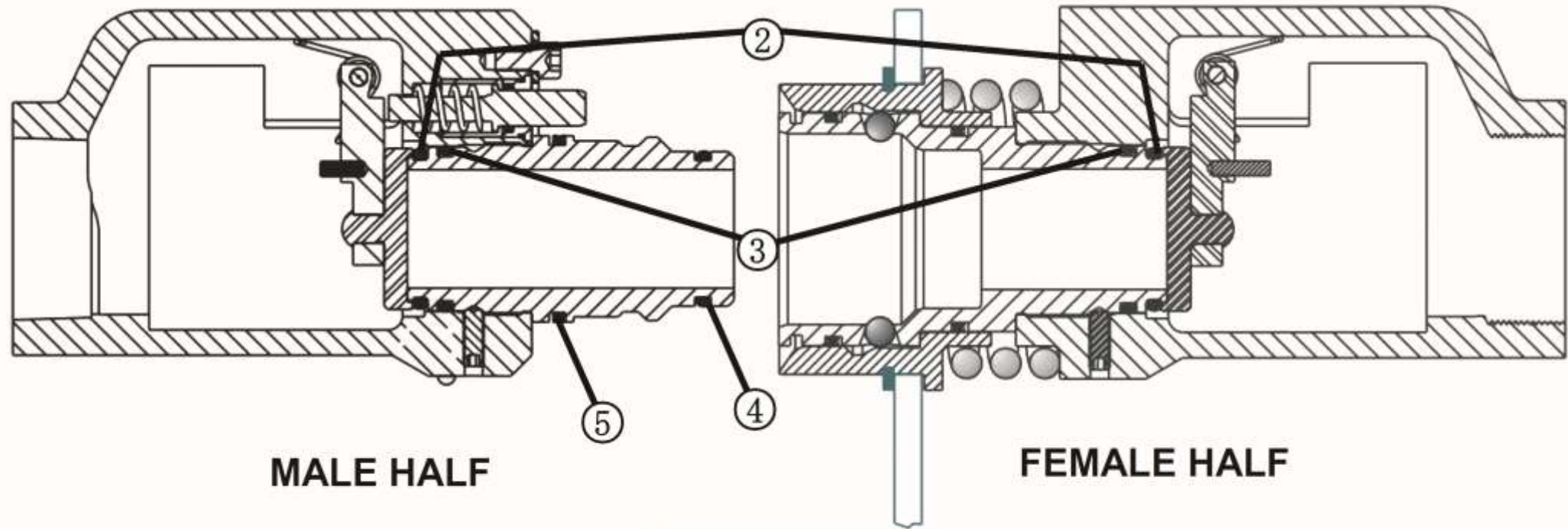


FIGURE 1

To Replace O-Rings 2 & 3 on the Female Half
(See FIGURE 1 for item numbers).

Female Half Step 1

Using a screwdriver, remove the Retaining Ring from the bracket to release the Female Half.

Female Half Step 2

Secure the Female Half in a bench vise with the Spring Trigger facing upward. Using a $\frac{3}{32}$ " Allen wrench, loosen the Set Screw until its end is about $\frac{1}{8}$ " out from the body.



Female Half Step 3

Place the Ball Carrier Installation Tool inside the Ball Carrier.



Female Half Step 4

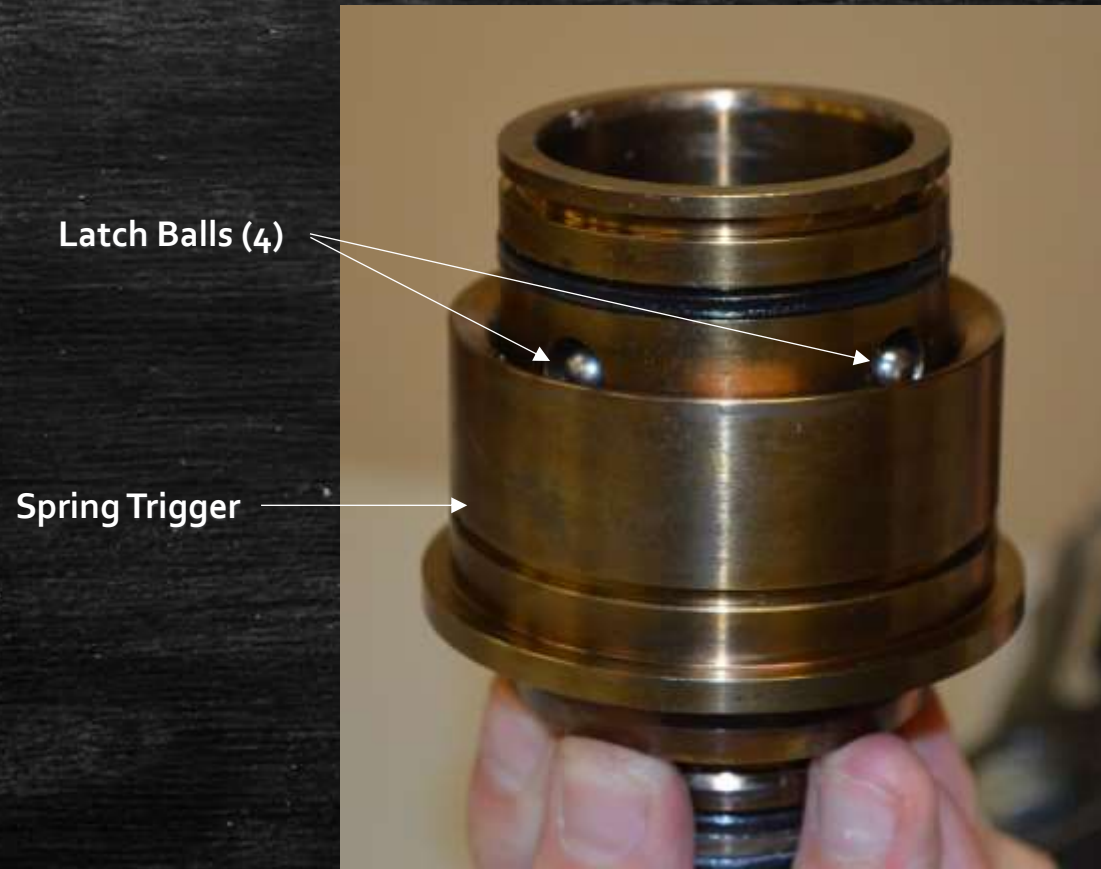
Using the 18" adjustable wrench, turn the Installation Tool counter clock-wise until the Ball Carrier is free from the body.

CAUTION:
Do not remove the Ball Carrier from the Spring Trigger. Doing so will release the Latch Balls from the assembly.



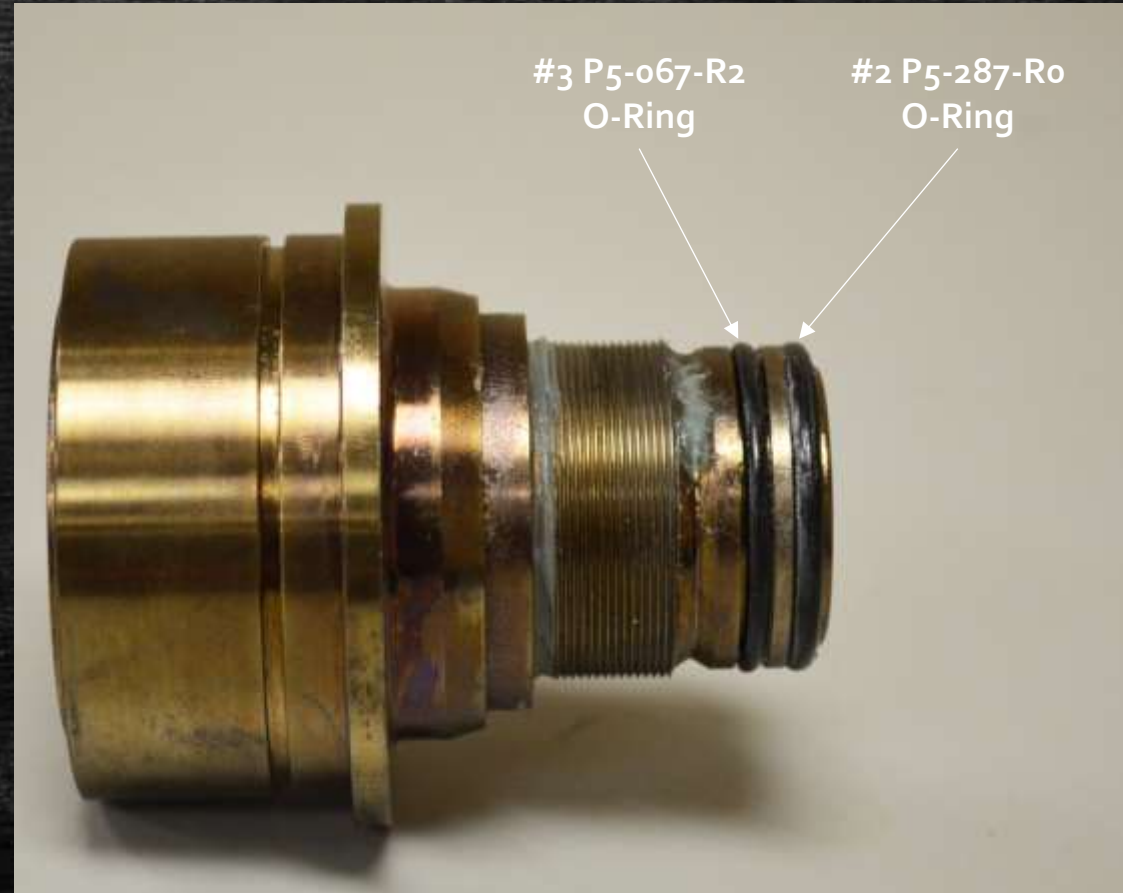
Female Half Step 4 (Continued)

NOTE: In the event that the Latch Balls are released from the assembly, hold the Male Plug at the bottom with the Spring Trigger exposing the four ball cavities. Place one Latch Ball into each cavity and slide the Spring Trigger upward, over the balls.



Female Half Step 5

Lubricate the new O-Rings with a non-petroleum based lubricant and replace the O-Rings as designated in Figure 1.



Female Half Step 6

To re-assemble the Female Half, place the Spring on top of the Body.



Female Half Step 7

Lightly lubricate the Ball Carrier threads with a non-petroleum based lubricant.



Female Half Step 8

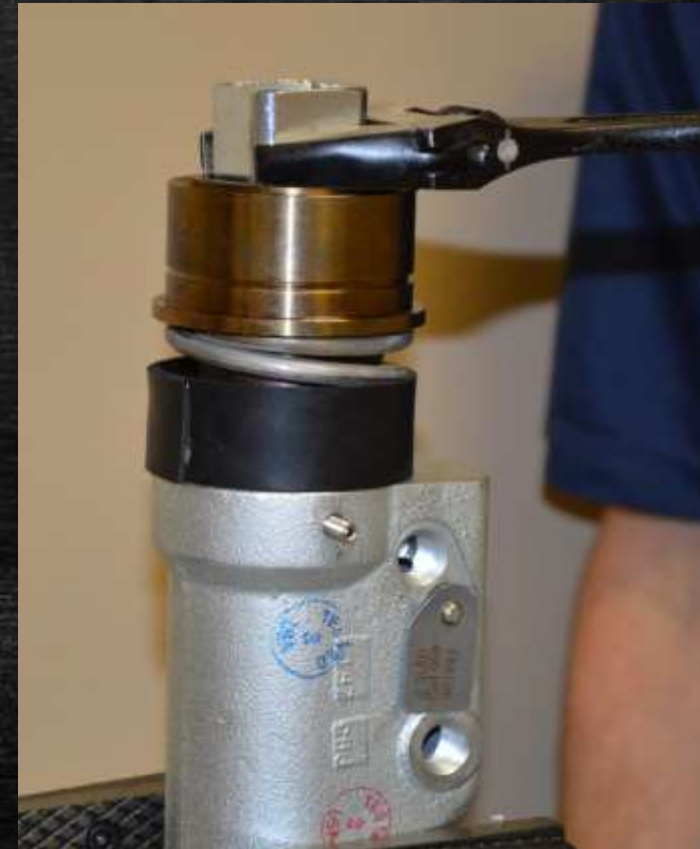
Place the Ball Carrier atop the Spring and thread into the Body.



Female Half Step 9

Using the Ball Carrier Installation Tool, tighten the Ball Carrier until it meets the Body.

Tighten the Ball Carrier until it meets the Body.



Female Half Step 10

Using the 3/32" Allen Wrench, re-tighten the Set Screw.



#6 Set Screw

Female Half Step 11

The Manufacturer suggests that an air test be performed on the entire assembly prior to returning to service.

Female Half Step 12

After Testing, refer to Installation, Operation and Maintenance Manual number FVCo62 for warnings and re-installation instructions.