

API725-4Z Latch installation instructions.

Parts supplied in kit:

- 4 off API725-4 latches
- 4 off 6171 springs

When changing latches, all 4 latches & all 4 springs must be changed.

Dis-assembly of coupler

- 1- Place the API7XX coupler on a bench. Using a truck adaptor or just a nose cone (see FIG's 1 & 2) connect the API7XX so that the collar is in its locked position.

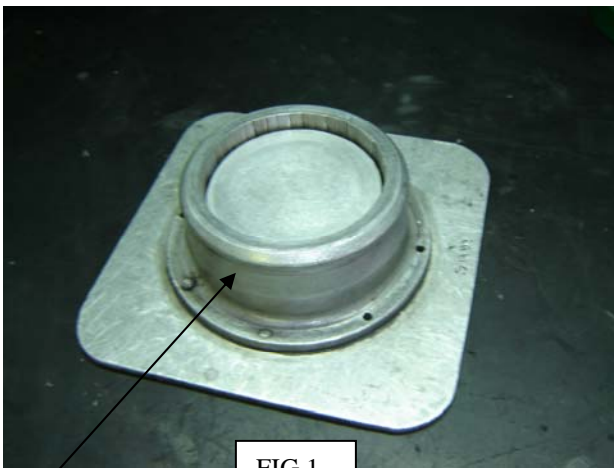


FIG 1

API NOSE CONE



FIG 2

- 2- Remove the R-clip (0945) from the operating shaft using pointy nose pliers (see FIG 3). Open the coupler by turning the handle and pull the handle/operating shaft assembly out of the body. The spacer tube, cam, washer, poppet and adaptor ring will fall free of the shaft. (see FIG 4)



FIG 3

R-clip

Cam & camplates

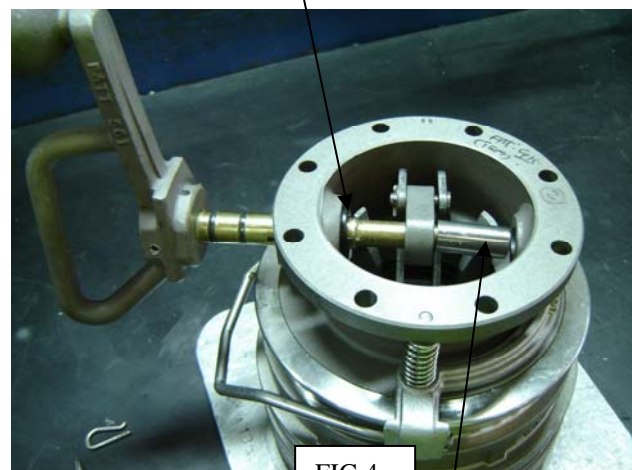
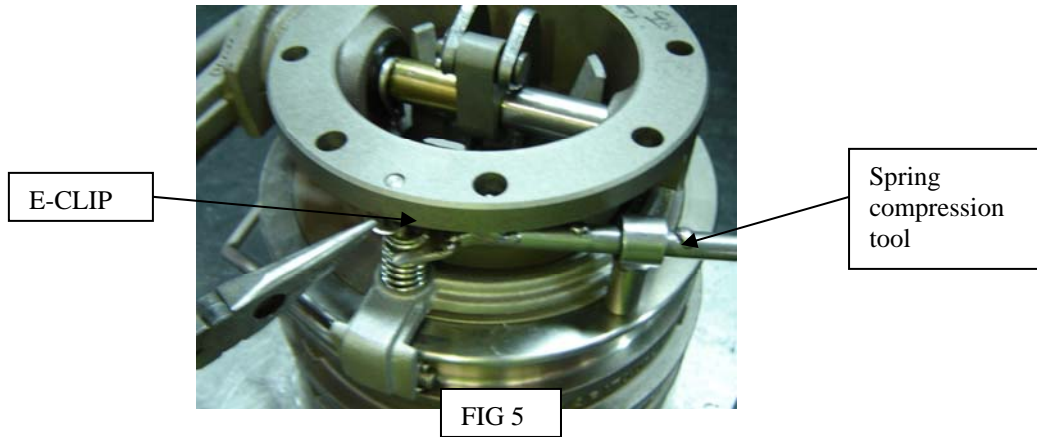


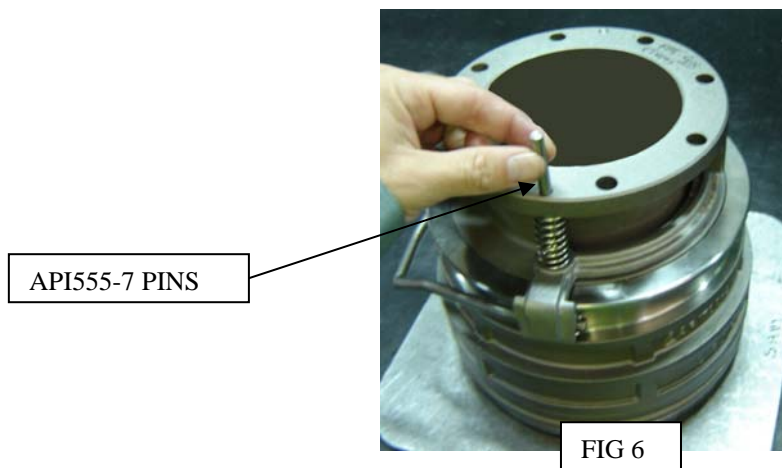
FIG 4

Spacer Tube

3- Remove e-clips (0093)



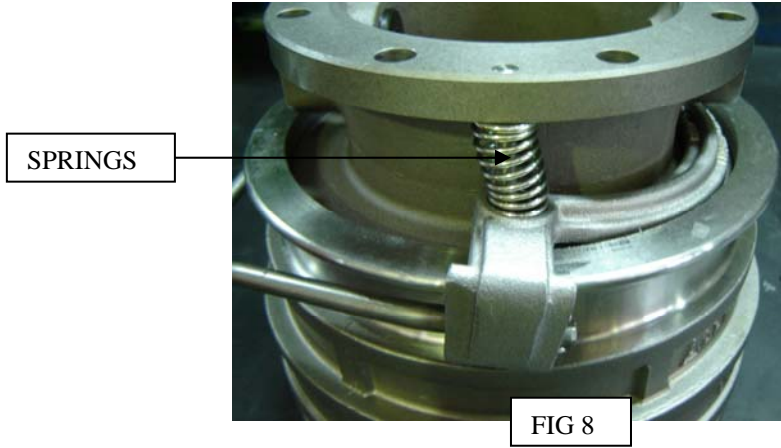
4. Turn the body over and ensure the 2 pins (API555-7) are free and they will fall free.



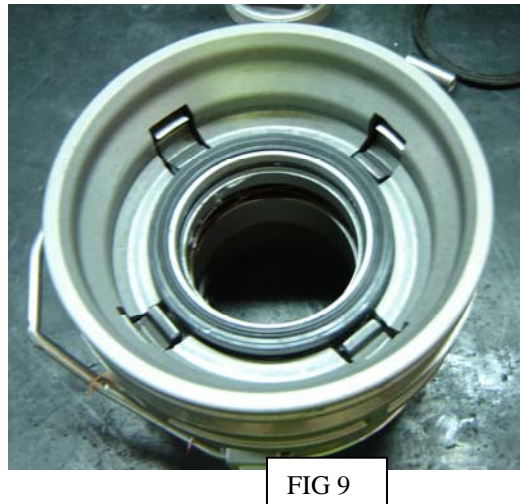
5. Remove the 2 cotter pins (0762) from the ends of the outer handle (API555-6).



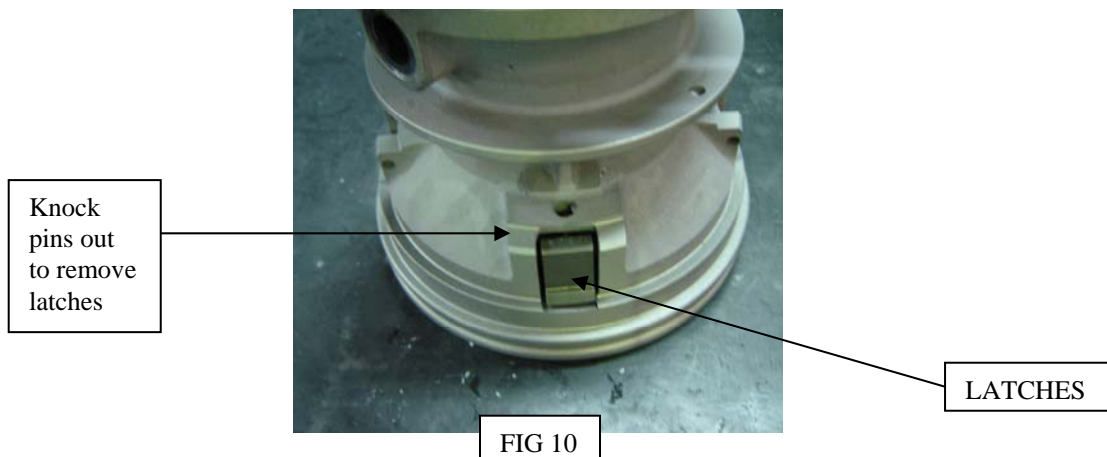
6. Remove the springs and outer handle (API555-6) from the outer body lever (API555-10) and slide the lever from the outer body ring.



7. To allow the collar to fall free of the body turn the valve so the 8 hole flange face is down then depress all 4 off latches at the same time and the collar will fall free.



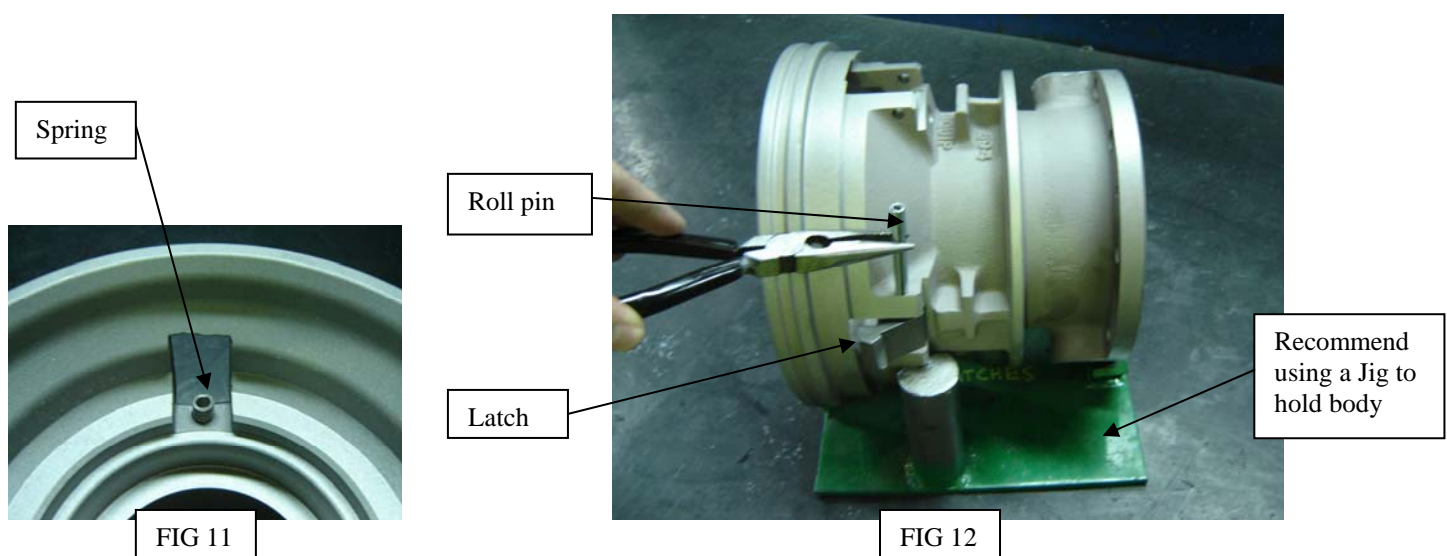
8. The remaining parts are the latches and latch return springs, these can be removed by knocking each roll pin out until the latch falls free.



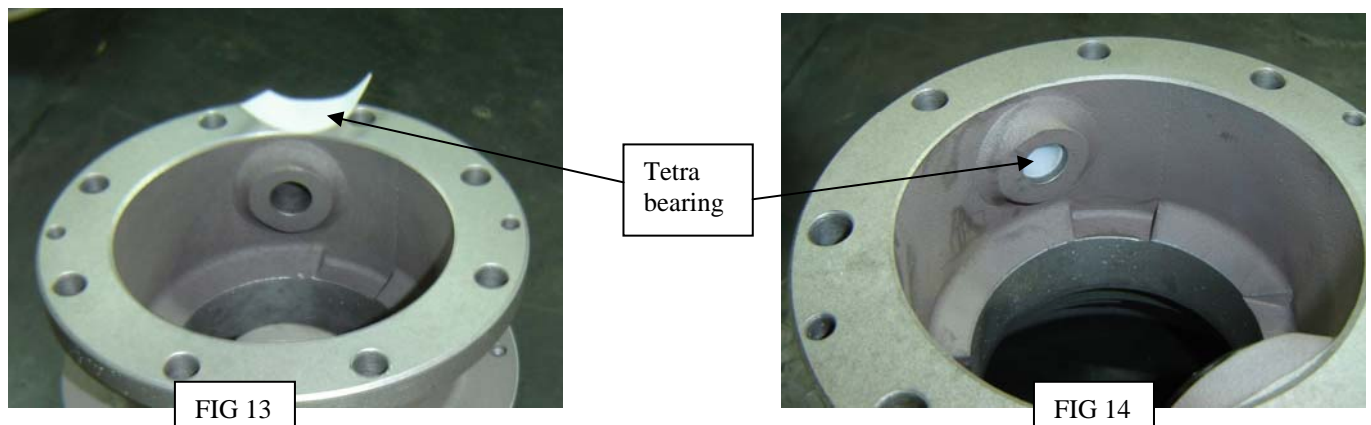
Re-assembly of coupler

1. Check all seals before re-assembling. Replace if necessary.
2. Sit body on bench with flange (8 hole) on bench.
3. Fit four (4) springs 6171, into drilled holes in body (Fig 11). Fit the four (4) latches API725-4, using roll pins (Fig 12). Check for movement and operation of the latch.

NOTE: Latch should not rub on the sides of the latch hole.



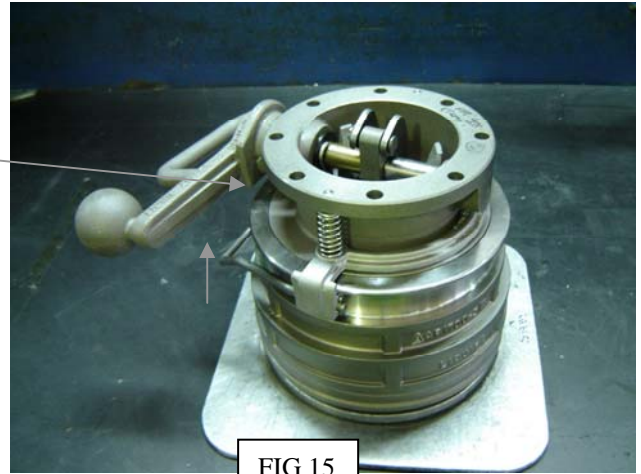
4. Reverse the dis-assembly steps to re-assemble valve.
5. If new cotter pins are required for outer handle, use $\text{Ø}3/32'' \times 1/2''$ long (0762).
6. Ensure tetra tape bearing (2698) is reinserted correctly into blind handle retaining hole.



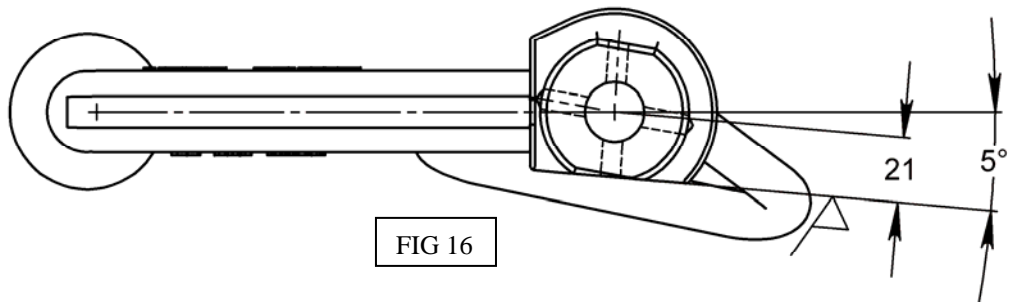
7. Apply solvent resistant grease to all seals – especially the ones in the bush before reinserting handle/shaft assembly.

8. Check there is clearance between handle & collar when the collar is fully back.

There must be clearance between handle & collar when collar is pulled back.



If there is not clearance between handle & collar. It is recommended that 2mm of material is removed from the flat of the handle.



9. Check coupler correctly latches onto nosecone and can be released again.
10. Refer to instructions: API700_SERVICE_&_MAINTENANCE_API00104 for complete service & maintenance of API7XX series couplers.
11. Pressure test assembly to 550kPa to check for leaks.



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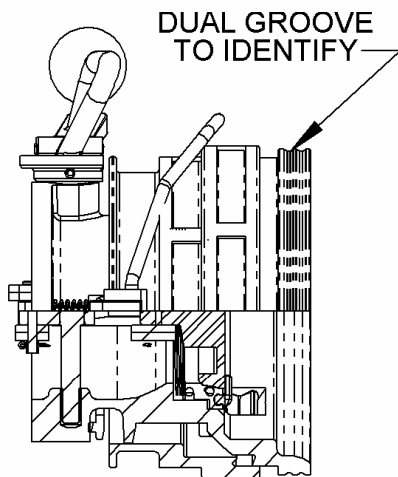
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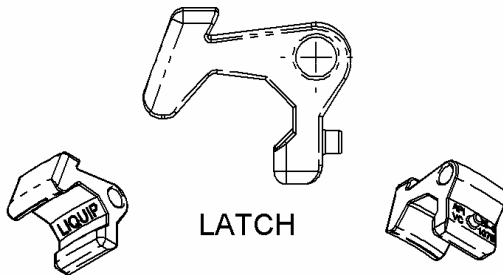
API Couplers - The Next Generation

* NEW *

API710 series



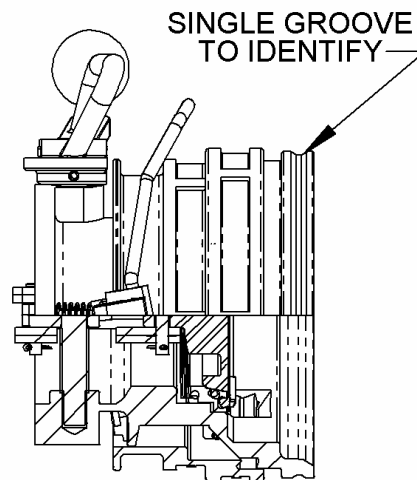
Assemblies include;
 API710 - Standard
 API710E - Seals suitable for ethanol
 API712 - Long handle version
 API712E - Long handle, seals for ethanol



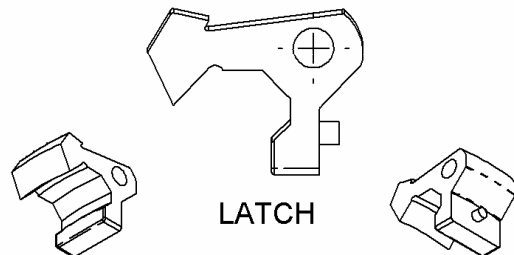
New parts (must be used together);
 Latches used are part API725-4
 Latch springs used are part 6171

PREVIOUS MODEL

API700 series



Assemblies included;
 API700 - Standard
 API700E - Seals suitable for ethanol
 API702 - Long handle version
 API702E - Long handle, seals for ethanol



Previous parts (must be used together);
 Latches used were part API700-4
 Latch springs used were part 6135

**DO NOT MIX & MATCH LATCHES AND SPRINGS
 THEY MUST ALL BE THE SAME ON ANY
 ONE COUPLER FOR CORRECT OPERATION**

X202206

Issue: A

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