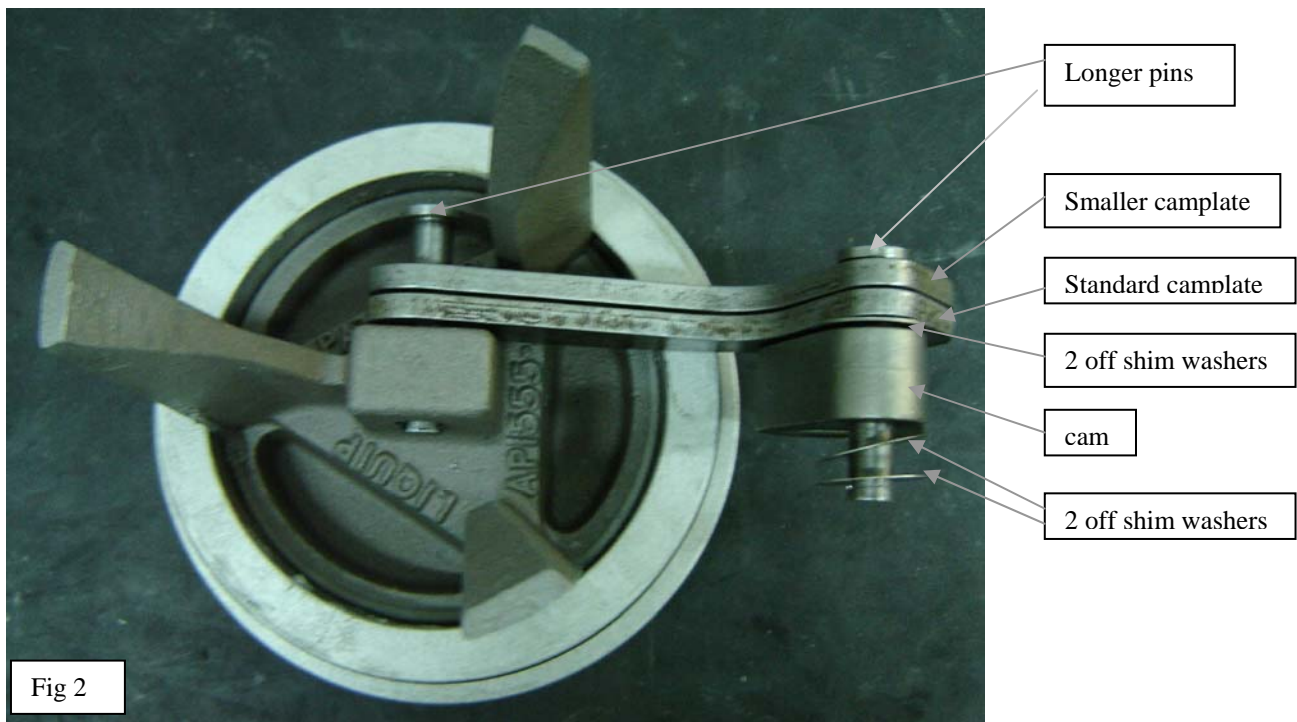


### API700 coupler upgrade to 4 camplates (1 ½ version)

1. Figure 1 shows parts supplied in camplate kit (API700-16Z).



2. Dis-assemble API700 coupler & remove poppet assembly. Refer to API700 assembly procedure full details.
3. Remove camplates from poppet. Assemble new camplates & new pins. Make sure the new standard camplates are in the centre & the smaller (thinner) camplates on the outside of the standard camplates. Make sure the camplate are in the orientation as shown below. Refer to figures 2, 3 & 4.
4. use 2 off shim washers on each side of the cam.



5. Assemble 1 off shim washer on the outside of the camplates.
6. Assemble split pins through the holes in the pin.
7. Check the camplates are assembled in the correct orientation as below.
8. Check seals on poppet adaptor ring & apply SR grease.
9. Slide poppet adaptor ring over poppet.
10. Slide wave spring over poppet.



Fig 3

Small cam plate on outside

Wave spring

Poppet adaptor ring



Fig 4

11. Assemble poppet sub-assembly into body.
12. Check seals on shaft, if ok add SR grease to o-rings.
13. Assemble handle & shaft assembly by sliding handle through cam & stainless steel tube. Line the flats on the shaft up with the flats in the cam.
14. Once shaft is fully home, turn the handle to the closed position. The camplates will cam-over the shaft.
15. Install R-clip.
16. R-clip must be positioned away from the poppet let as shown.

R-clip position

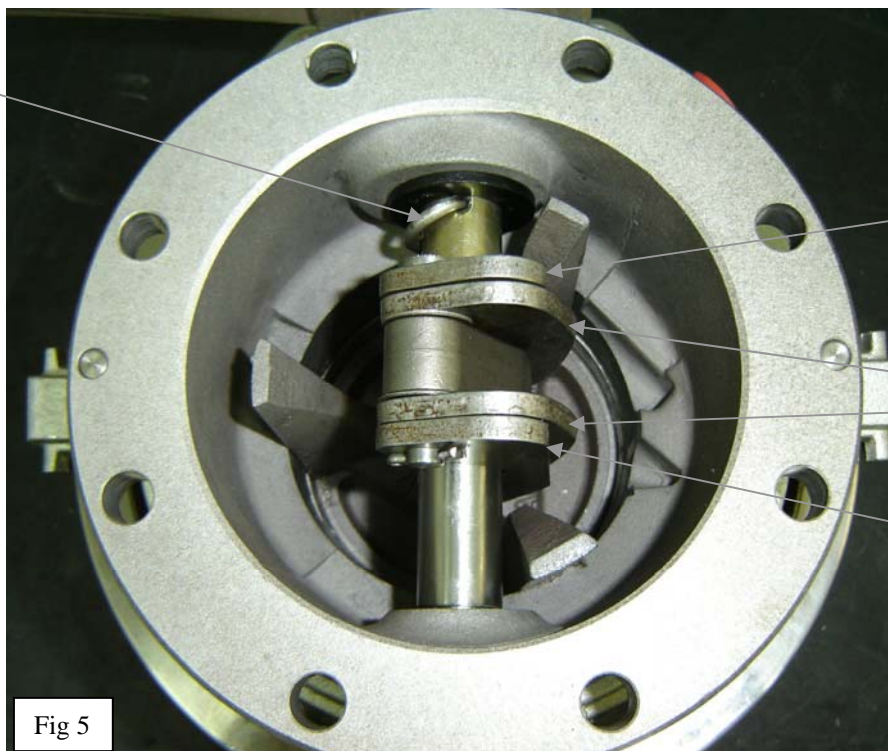


Fig 5

Smaller camplate

Standard camplates

Smaller camplate