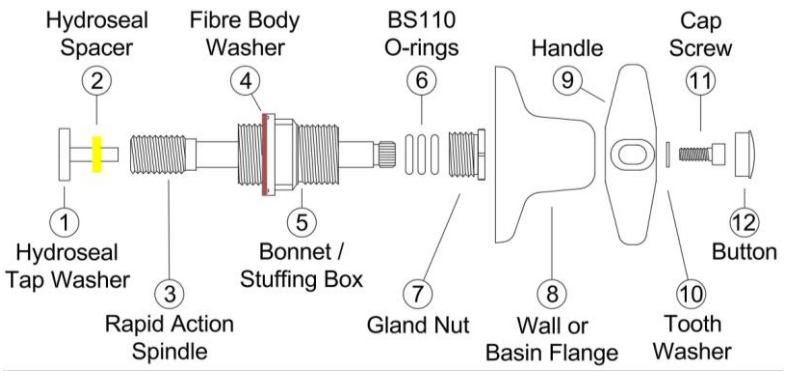
KEEP THIS DOCUMENT.

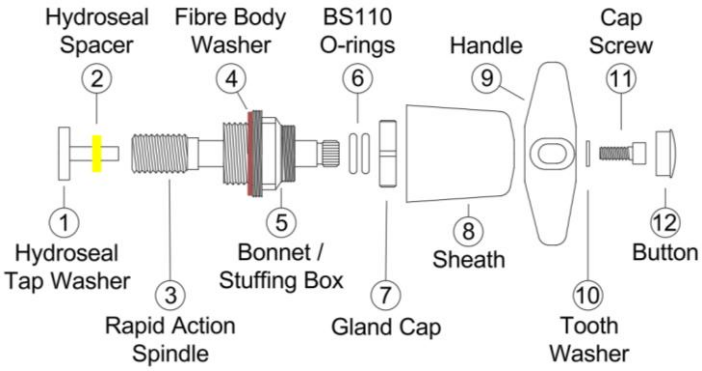
After installation give it to the end user to keep for future reference.

CB Rapid Action® Spindle Installation & Maintenance Instructions

for Bellevue Top Assemblies ordered with Rapid Action.



Basin or Wall Top Assembly



Bib Pillar Top Assembly

When installing wall top assemblies:
Do not silicone the bonnet & spindle into the wall body.
Do not silicone the flange to the wall.
As doing this makes servicing the tapware in future unnecessarily difficult.

The gland nut/cap has two functions:
- It compresses the seals in the top of the bonnet & spindle.
- It puts tension on the spindle for holding the position of the handle.

The gland nut/cap does not change the amount of turn of the handle.

To adjust the tension of the gland nut/cap, you don't need to turn off the water.

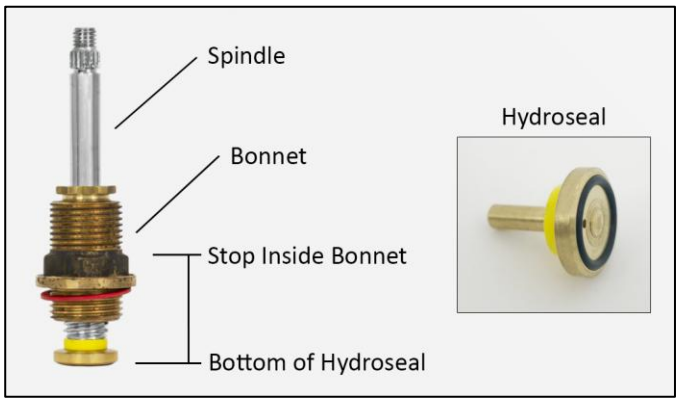
For Bellevue with Rapid Action the steps for this are below:

- Lift out the button **(12)** on the top of the handle **(9)**. The button has a small lip around it, try to lift with a thumb nail or alternatively very carefully pry up the edge of the button with a box cutting blade taking care not to mark the top of the handle while doing so.
- Once the button is out, undo the cap screw **(11)** with a 5/32" hex Allen key.
- The handle **(9)** will come off the 16-star shape spline by pulling it upwards.
- The dome sheath or bell shape flange **(8)** will unscrew by hand to reveal the bonnet & spindle.
- Nip the gland nut/cap up with the adjustable spanner, tighten the gland nut/cap **(7)** by a ¼ turn at a time.
    - The tensioning nut/cap on the spindles needs to be in a sweet spot, if too tight it will be uncomfortable to turn, too loose and it won't provide enough tension on the O-rings **(6)**.
    - This process is done by feel so you can put the handle back on to test if happy with the tension prior to putting the flange back on.
    - If the handle is moving by itself then you need to tighten the gland nut/cap further. Continue to tighten and then check until there is enough tension to hold the position of the handle.
- Once happy with the tension reassemble the tap.

Maintenance and Upkeep (this requires the water supply to be off).

Make sure the spindle **(3)** has ample tap grease, and re-lubricate from time to time, as this can upset the tension.
O-rings and jumper valves will compress (flatten) and wear over time causing tension problems.
Replace with Hydroseal **(1)** valves and **BS110** size O-rings. Depending on the basin or wall spindle version, you will need either 2 or 3 O-rings per spindle.
Hydroseals are widely available at most plumbing stores. BS110 size O-rings can be ordered through us (the Pack of 10 order code is PA8004) or this size O-ring is widely available at bearing shops.
For Rapid Action bonnets that are recessed in the wall, the bonnet tube spanner size is 7/8"AF square (22.23mm AF square). We do make a tube spanner to suit, the order code PA3917.

How the mechanism works.



The turn of the mechanism is guided by the distance between a stop machined inside the bonnet and the bottom of the Hydroseal tap washer. Our mechanism has a quick rise thread so it rises open in a shorter distance than a standard tap spindle. Approx 0.6mm of length of thread gives ¼ of a turn of movement.

The Hydroseal tap washer has an O-ring on the bottom. This O-ring will compress over time and this will slightly increase the amount of turn. However, compression with this type of tap washer is minimal and they are widely available as spare parts. The type of washer is quite important too for setting the turn distance. Thicker washers give no turn while thinner washers will give more turn.

Q&A + Troubleshooting.

Q. I'm getting a much shorter or greater length of turn than expected?

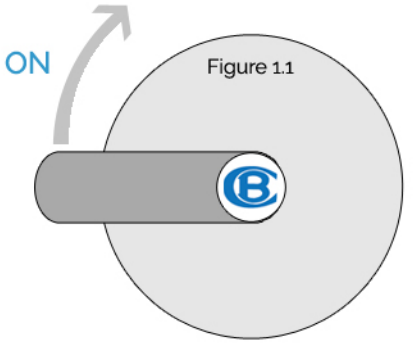
A. The turn is determined by tap seat depth.

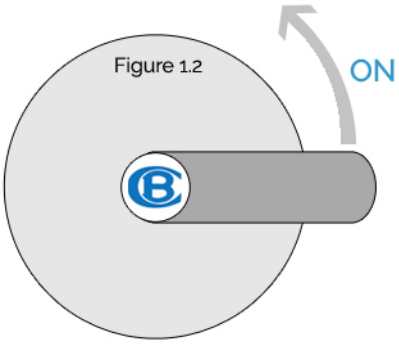
- If it is an older tap body/seat that has been re-seated this will increase the distance of the turn.
- If the spindles are turning over half a turn, the most likely sources of the issue:
  - The Hydroseal has been changed the out for a different thinner tap washer.
  - The in-wall body's seat depth is deeper than it should be.
  - The red bonnet fibre washer has been double stacked on install.
  - Thread tape has been used on the bonnet thread into the wall body making the spindle sit further out.

Q. I need spindle extensions as the in-wall bodies are further into the wall. *(note this is not referring to deep seats, which are quite rare).*

A. We make extended wall spindles for most of our tapware ranges. We make the spindle stem and bonnet top thread longer to resolve these issues as extensions at the seat can upset the turn amount. Short web link to our in-wall depth calculator, www.cbideal.com.au/walldepth

Default Turn Direction for Lever Wall Top Assemblies (contra turn).





For wall lever taps we recommend this way for installing them as if the gland nut is loose (needing re-tensioning) gravity will push the tap to a close.

Otherwise for lever taps switching the turning direction of the taps can be achieved by swapping the hot & cold spindles over (as they have opposite cut thread directions). The water needs to be off to swap these over.

Rapid Action spindles on cross handle taps will turn on and off in the same direction as standard spindles.

Other tips & tricks.

As the O-ring compresses completely on the bottom of the Hydroseal you may wish to adjust the starting position on the handle (the spindles and handles have 16-star splines to allow setting their orientation).

The yellow spacer on the back of the Hydroseal tap washer allows for some adjustment to the amount of turn. This spacer can be thinned to increase the amount of turn.

For example, in a scenario where a tap body in the wall has had to be repaired by adding a stainless-steel seat, the yellow spacer can be removed from the Hydroseal to counteract the now shorter height for the mechanism to operate within.

Need Help?

Please contact us on either 08 8276 6766 or sales@cbideal.com.au and we'll do our best to assist.