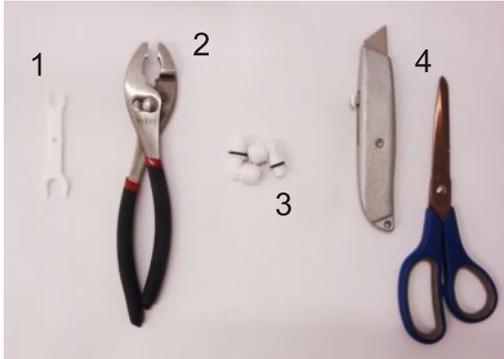


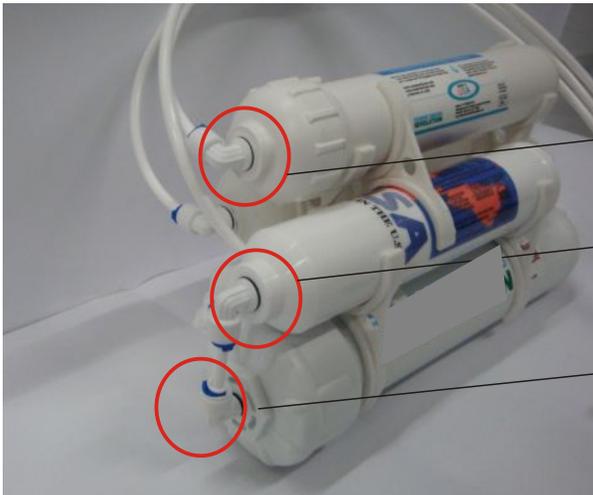
How to fix broken elbow or leak at elbow fitting

Fitting can brake during transportation or in process of filter changing. Replacing broken fitting is very easy task and can be performed within couple of minutes. We enclosed free extra fitting (two of different kind) within main package.



You need following tools:

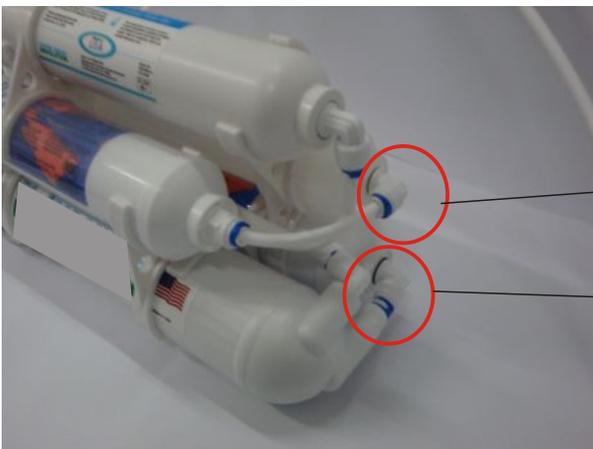
1. Collet tool (recommended)
2. Pliers (required)
3. Fitting (required)
4. Scissors or paper cutter (to cut tubing if needed, optional)



Page #2. Broken elbow fitting or leak at 5th stage

Page #4. Broken elbow fitting or leak at 2nd stage

Page \$5 and #6: Broken elbow fitting or leak at membrane stage (3rd stage)



Page #7. Broken elbow fitting or leak at 2th stage (other side)

Page #8 and #9: Broken elbow fitting at 4th stage.

Page #10: Leak at fitting (4th stage)

Broken fitting or leak at 5th stage



Step 1. Remove blue C-ring from the broken fitting



Step 2.

a) **Broken fitting.** Disconnect broken fitting from the tubing.

Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. Follow Step #3

b) **Leak between tubing and elbow fitting.** Disconnect fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out.

Cut end of tubing (1/4" away from the end). Then jump to step #4

c) **Leak between the housing and elbow.** Disconnect fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. You can replace elbow with new one or apply plumbing tape 3-4" length on threads to prevent any leak. Then jump to step #4

Tip. If you don't have collet tool, you can use finger (nail part) to disconnect tubing. Just press nail against fitting and pull tubing out with another hand. Check picture on page #11



Step 3. Unscrew (counter clockwise) broken fitting using pliers. Some fitting breaks down at the base, and it is difficult to grab it with pliers. You can use scissors leg instead.

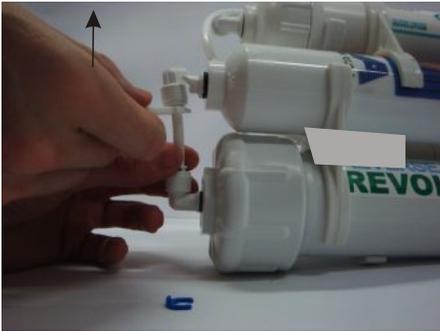


Step 4. First reinsert tubing onto the fitting, push until it stops, and insert blue c-ring back

Broken fitting or leak at 2nd stage



Step 1. Remove blue C-ring from the broken fitting



Step 2.

a) **Broken fitting.** Disconnect broken fitting from the tubing.

Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. Follow Step #3

b) **Leak between tubing and elbow fitting.** Need to replace entire tubing piece. Disconnect fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. Disconnect tubing from other side fitting. Remove blue c-ring first. Replace tubing with new one 2 1/4" length. We enclosed a spare piece of tubing inside the small bag with parts. Then jump to step #6

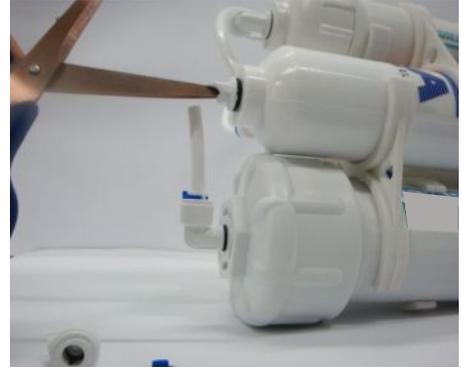
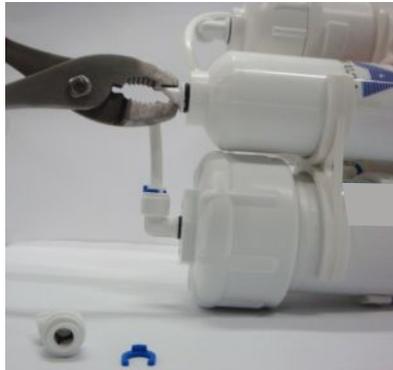
c) **Leak between housing and elbow.** Disconnect broken fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. You can replace elbow with new one or apply plumbing tape 3-4" length on threads to prevent any leak. Follow Step #3

Tip. If you don't have collet tool, you can use finger (nail part) to disconnect tubing. Just press nail against fitting and pull tubing out with another hand. Check picture on page #11



Step 2B. After removal

Step 3. Unscrew (counter clockwise) broken fitting using pliers.
If fitting broken at the base, it might be difficult to grub with pliers.
You can use scissors instead (picture below).

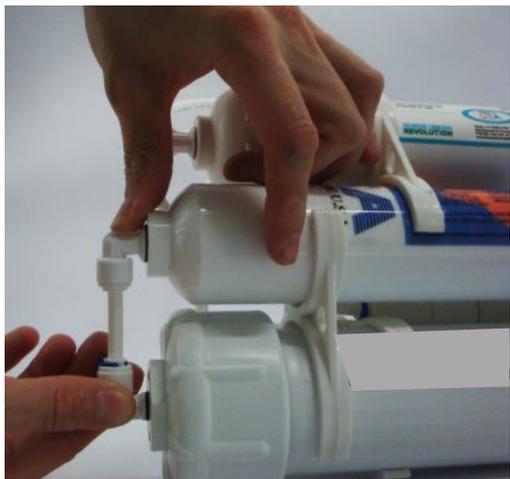




Step #4. Lift one side of the second stage filter approx. 1" up. You can hold membrane housing with another hand



Step #5 Screw new fitting into opening



Step #6. Insert tubing into the fitting and press the second stage filter down into position.

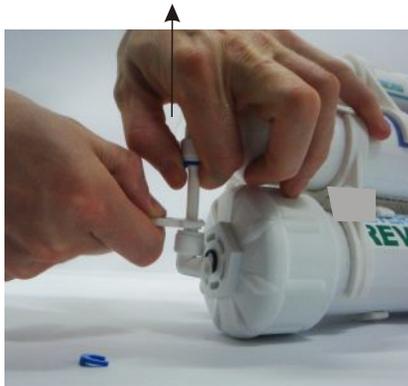


Step 7. Insert blue C-ring

Broken fitting or leak at membrane stage (3rd stage)



Step 1. Remove blue C-ring from the broken fitting



Step 2.

a) **Broken fitting.** Disconnect broken fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto the tubing and press collet tool against the fitting. Pull tubing out. Follow Step #3

b) **Leak between tubing and elbow fitting.** Need to replace entire tubing piece. Disconnect fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. Disconnect tubing from other side fitting. Remove blue C-ring first. Replace tubing with new one 2 1/4" length. We enclosed spare piece of tubing inside small bag with parts. Then jump to step #7

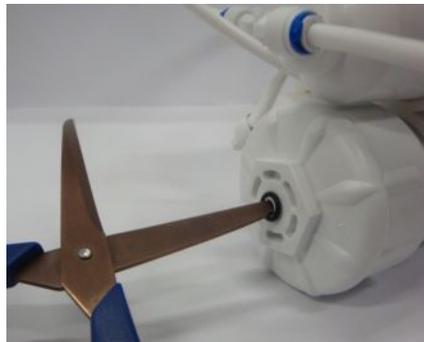
c) **Leak between housing and elbow.** Disconnect elbow fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. You can replace elbow with new one or apply plumbing tape 3-4" length on threads to prevent any leak. Follow Step #3

Tip. If you don't have collet tool, you can use finger (nail part) to disconnect tubing. Just press nail against fitting and pull tubing out with another hand. Check picture on page #11



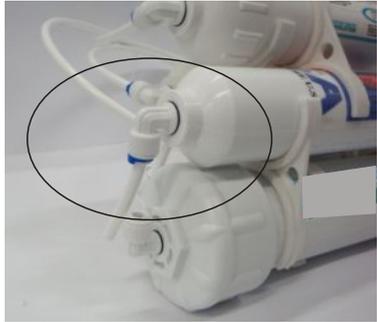
Step 3. Turn fitting counter clockwise for 90 degrees

Step 4. Unscrew (counter clockwise) broken fitting using pliers. If fitting broken at the base, it might be difficult to grub with pliers. You can use scissors instead (picture below).





Step 5. Screw new fitting onto the head



Step 6. Turn fitting and tubing back



Step 7. Lift (if needed) second stage and insert tubing onto new fitting



Step 8. Push down the second stage filter



Step 9. Insert blue C-ring

Broken fitting or leak at 2nd stage (other side)



Step 1. Remove blue C-ring from the broken fitting



Step 2.

- a) **Broken fitting.** Disconnect broken fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. Follow Step #3
- b) **Leak between tubing and elbow fitting.** Disconnect fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. Cut end of tubing (1/4" away from the end). Then jump to step #5
- c) **Leak between housing and elbow.** Disconnect elbow fitting from the tubing. Hold tubing piece with one hand, slide collet tool onto tubing and press collet tool against fitting. Pull tubing out. You can replace elbow with new one or apply plumbing tape 3-4" length on threads to prevent any leak. Follow Step #4

Tip. If you don't have collet tool, you can use finger (nail part) to disconnect tubing. Just press nail against fitting and pull tubing out with another hand. Check picture on page #11



Step 3. Remove broken fitting from opening. Use pliers or scissors (check page #2)

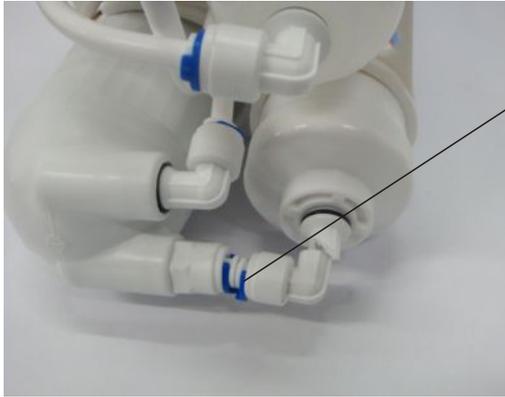


Step 4. Screw new fitting.

Step 5. Insert tubing onto fitting, press until it stops, insert blue c-ring



Broken fitting or leak at 4th stage



Step 1. Remove 2 blue C-rings from the broken fitting

Step 1A. Tip: Use collet tool to remove c-rings

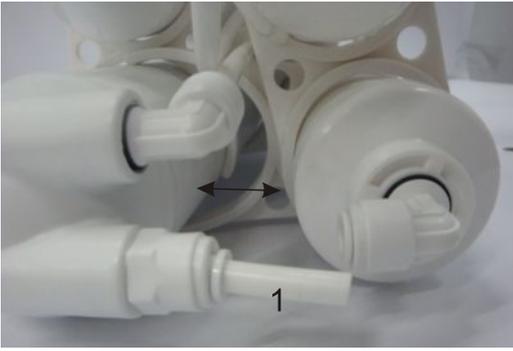


Step 2. Insert collet tool between both fittings and push it right as shown on picture. Disconnect broken part from the tubing



Step 3. Use pliers or scissors to remove the second part of the broken fitting





Step 4. Move 4th stage filter apart from the membrane (approx 1")
Screw new fitting



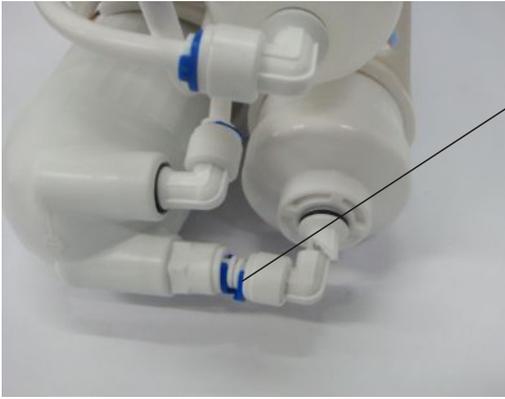
Step 5. Direct tubing onto the fitting and press together membrane housing and 4th stage filter



Step 6. Insert both c-rings.

Tip. If you need to change joint tubing (see picture on Step 4: #1), you can remove it by using collet tool. Cut piece of tubing 1 1/2" length from spare tubing and reinsert as shown on the picture

Leak at 4th stage



Step 1. Remove 2 blue C-rings from the broken fitting

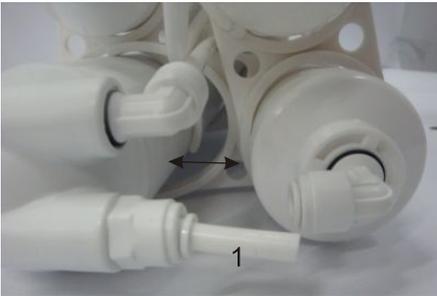


Step 2.

a) **Leak between tubing and elbow fitting.** Need to replace the entire tubing piece. Disconnect fitting from the tubing. Hold tubing piece with one hand, slide collect tool onto tubing and press collet tool against the fitting. Pull tubing out. Disconnect tubing from another side fitting. Remove blue c-ring first. Replace tubing with new one 1 1/4" length. We enclosed a spare piece of tubing inside a small bag with parts. Follow Step #5

b) **Leak between housing and elbow.** Disconnect elbow fitting from the tubing. Hold tubing piece with one hand, slide collect tool onto the tubing and press collet tool against the fitting. Pull tubing out. You can replace elbow with new one or apply plumbing tape 3-4" length on threads to prevent any leak. Follow Step #4

Tip. If you don't have collet tool, you can use finger (nail part) to disconnect tubing. Just press nail against fitting and pull tubing out with another hand. Check picture on page #11



Step 4. Move 4th stage filter apart from membrane (aprox 1")

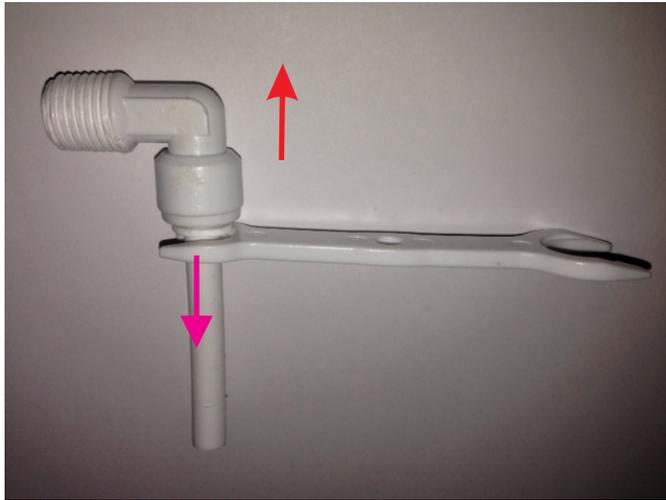
Screw new fitting



Step 5. Direct tubing onto fitting, and press together membrane housing and 4th stage filter



Step 6. Insert both c-rings.



Most convenient way is to use collet tool. Remove blue c-ring from fitting (elbow). C-ring protects elbow from releasing tubing.

Slide collet tool onto tubing toward fitting. Press on the fitting, **at the same time** pull tubing out. If you press on the fitting and then try to pull tubing out, collet will not release the tubing.

Most convenient way is to hold tubing with one hand, and then slide collet tool towards elbow gradually applying a pressure until tubing pulls out.

Another way is to use finger or nail to disconnect.

Place one finger on top of collet. Press on collet and at the same time use other hand to pull tubing out.

