

## Light/Return Assembly Section 4



Step 13

:01

Make sure there is at least 8 inches of water in the pool before connecting the light return combo.

:08

Many lights that can be bought for a pool serve a dual purpose: as a light and a return outlet. These lights attach in a similar way as a return, except most come with three rubber gaskets instead of two. The third one typically is found in the box, where the other two are already set in the system. I recommend using all three.

:39

One other difference between a conventional return and the light return is that the light return components are smaller in diameter. For this reason, you must cut a smaller hole in the liner so be aware of that. The diameter of the conventional return barely fits through the precut hole of the wall, while the light/return will fit with room to spare.

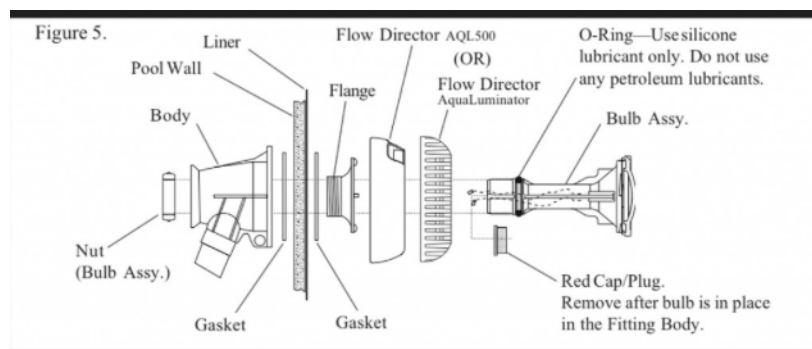


Step 14

:01

First disassemble the light and prepare for the install.

There are three main parts of the light. Two return parts called the flange and the return body that screw together and secure it to the wall, and also the light fixture itself that travels through the return base afterwards.



Often, these lights come fully assembled in the box, except for the third gasket that can be found separate in the box.

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First you must disassemble the nut that holds the light fixture in place as shown here.

Second, notice how the light fixture comes out of the system, it is pulled out even though it looks like it would be unscrewed. It must be inserted in the same manner once the two return parts and 3 gaskets are put in place after it is installed.

**1:12**

Third, unscrew the flange from the return body and notice the flange is attached through the pool side.



Step 15

**:01**

Two people are needed to attach the light. One person on the inside can cut a small X in the liner at the return cutout.

**:13**

Place the clear gasket on the flange and then press the flange through the small X, pressing the gasket to the outside of the liner.

**1:02**

Once it is pushed through, cut the liner around the threads of the flange on the outside of the pool. Make sure you cut off all the liner, so the liner does not obstruct the threads of the flange.

**2:08**

If you have a third gasket, put it in place. First, pull back flange from the outside of the pool, and place the gasket inside the wall against the liner. Do not drop the gasket inside the wall. Once the gasket is in place, from the inside push the flange

back through the return hole tightly and hold so the gasket doesn't slip off the flange.

Next place the last gasket on the threads of flange.

Once the last gasket is in place, thread the return body to the flange. The flange must be held in place while the return body is threaded on, or the liner may bunch up and it will have to be redone.

**2:57**

Place the light fixture through the attached flange and return body. First, thread the electrical cord through the return.

**3:19**

Once the light is through, hand tighten the nut.