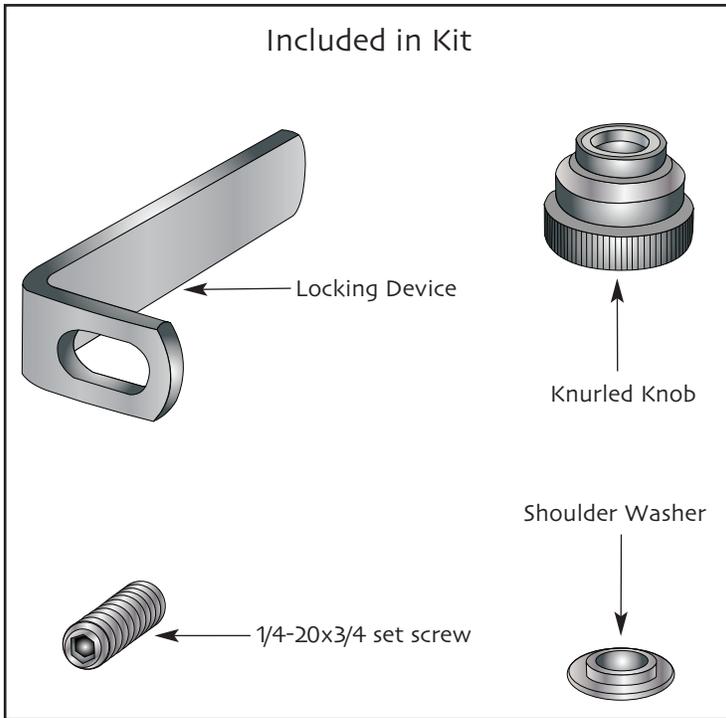


Superwide Port Body Locking Device

#5510.09

instruction manual

Included in Kit



This Locking Device is specifically for use with Ikelite Superwide Port Body #5510.10 (two port lock housings only), and Superwide Port Body #5510.11 (two and four port lock housings).

Shade Alignment

The 8" dome shade must be properly aligned to utilize the locking feature of your Superwide Port Body. The shade is designed to fit tightly on the dome and may need to be completely removed to realign. Do not remove the dome shade until the Superwide Port Body is installed on the dome.

Loosen or remove all four set screws before attempting to remove the dome shade.

Partially thread the 1/4-20 x 3/4" set screw into the correct protrusion of the dome shade based on your housing and superwide body type (see pages 4 & 5).

When installed on the housing, the longer protrusions on the dome shade should be oriented top and bottom (12 and 6 o'clock positions) and shorter protrusions on either side (3 and 9 o'clock positions).

Tighten all set screws using an allen wrench. One of the original, shorter set screws included with the dome shade will be left over when installation is complete.

Once the shade is aligned properly, it should retain correct alignment even when the same superwide port body is removed and replaced. The shade does not need to be aligned differently for any other length of port body.

Installing the Dome Port

Unlike other Ikelite ports, the #5510.11 Superwide Body installs on the housing in a bayonet fashion. **Before** attempting to install the dome port on the housing, push each port lock forward until the lock fully engages. Visually confirm that the Port Lock Release Button is seated flush against the Port Lock Body. Do not rely on an audible "click" to indicate that the lock is engaged.

The seal between the housing and the Port Body is a piston seal and requires the Housing/Port o-ring be lightly lubricated for easy installation. Remove o-ring from the port body, put a small amount of Ikelite lubricant on your fingers and draw the o-ring through your fingers. Be careful not to stretch the o-ring. Check that the lip of the port body where the o-ring sits and the sealing surface on the housing are clean. Place the o-ring onto the port body.

The port body has a divot on its face to aid in alignment when attaching the dome port to your housing (Diagram A). When looking at the front of the housing, align this divot with the top left (10 o'clock position) port lock. In this position the cut-outs on the port body will align with the port locks on the housing.

Press down on the port firmly and evenly until you feel the port slide into place. Continue to push down and rotate the port clockwise until it stops. The port will only rotate approximately 60 degrees to stop. Do not force the port to rotate beyond this point.

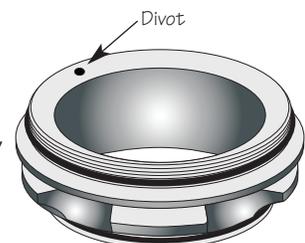


Diagram A - #5510.11

Installing the Locking Device

Slide the L-shaped locking device over the longer set screw in the dome shade. When aligned properly, the locking device should be able to be completely inserted into one of the cut-outs in the port body (though obscured with the dome port installed). Install the knurled nut on the end of the set screw and tighten securely. For two port lock housings, the locking mechanism will be on either the top or the bottom of the housing (12 or 6 o'clock positions). Note that the dome shade protrusions will be correctly aligned short of the stopping point on the port body. This is normal.

On four port lock housings, the locking mechanism will be on the right side of the housing at the 3 o'clock position when facing the front of the housing.

If the knurled nut cannot be tightened snug, add the included shoulder washer between the locking device and the knurled nut.

The locking device should be installed any time that the housing is taken in the water. Without the locking device installed properly there is a chance the port may be unintentionally dislodged.

If using a two port lock housing with #5510.10:

Partially thread the 1/4-20 x 3/4" set screw into one of the larger protrusions of the dome shade. Place the locking device onto the set screw with the long end towards the center of the shade (Diagram D - page 6). Make sure the locking device fits into the cut-out below the divot (Diagram B). Align the shade so the locking device will be at the 12 o'clock position when facing the front of the housing.



Diagram B - #5510.10

Installing the Locking Device (cont.)

If using a two port lock housing with #5510.11:

Partially thread the 1/4-20 x 3/4" set screw into one of the larger protrusions of the dome shade. Place the locking device onto the set screw with the long end towards the center of the shade. Align the shade so that the end of the locking device fits into the #5510.11 cut-out designated "II" (Diagram C - page 5, Diagram D - page 6)."

If using a four port lock housing with #5510.11:

Partially thread the 1/4-20 x 3/4" set screw into one of the smaller protrusions of the dome shade. Place the locking device onto the set screw with the long end towards the center of the shade. Align the shade so that the end of the locking device fits into the #5510.11 cut-out designated "IV" (Diagram C - page 5, Diagram D - page 6)."

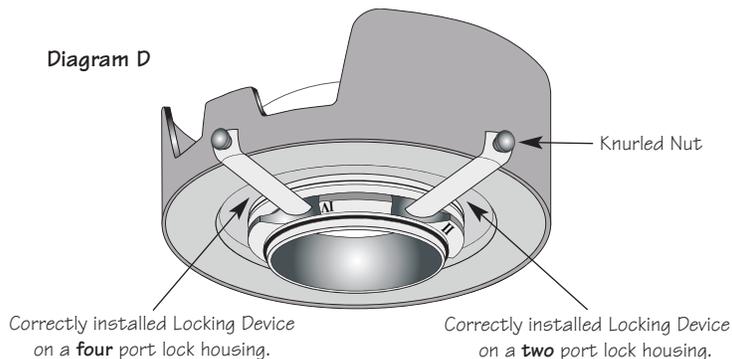
Diagram C
#5510.11



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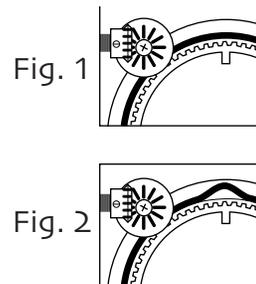
Installing the Locking Device (cont.)

Diagram D



Port Seal Inside View

Due to the wide overhang of the port flange the port seal is most visible when viewed by looking inside the housing before the camera is inserted. After the port is installed, check to see that the o-ring is properly sealed as shown in **Figure 1** and not extruded as shown in **Figure 2**.



Removing the Dome Port

Loosen and remove the knurled nut and L-shaped locking device. Rotate the port counter-clockwise until the divot aligns with the port lock. Lift port from the housing.

The o-ring may be left in the port hole of the housing when the dome port is removed. Replace the o-ring in the proper position on the port body before reassembling the housing and dome port.

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Ikelite Limited Warranty

All Ikelite products are warranted against any manufacturing defects for a period of one (1) year from the original date of purchase. Defective products should be returned prepaid to Ikelite. Ikelite will, at its discretion, repair or replace such products, and will return to customer prepaid. All other claims, of any nature, including but not limited to bulb failure are not covered. Except as mentioned above, no other warranty expressed or implied, applies to this Ikelite product.

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Returning Products for Service

Ikelite is most interested in performing any service to assure that all products perform as intended. For repair or service, return the product to the address below with your name, address, phone number and a brief description of the problem. Evidence of purchase date must be provided to obtain warranty service.



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