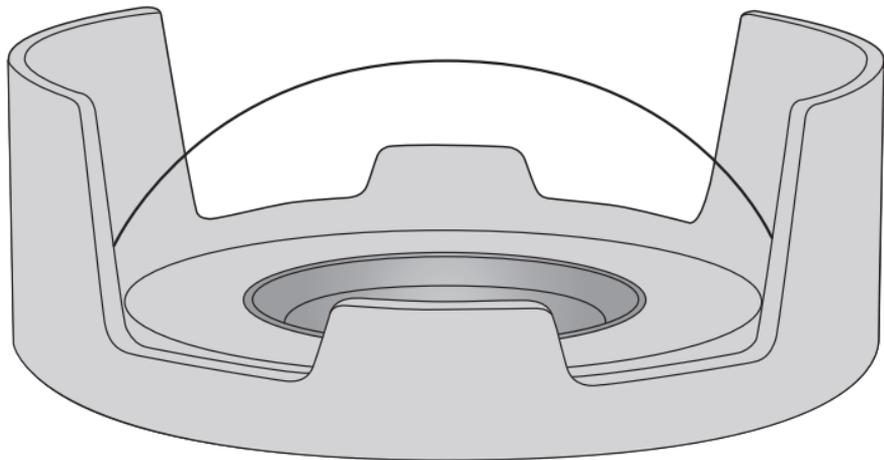




8 in. Dome with Shade 5510.45

Instruction Manual



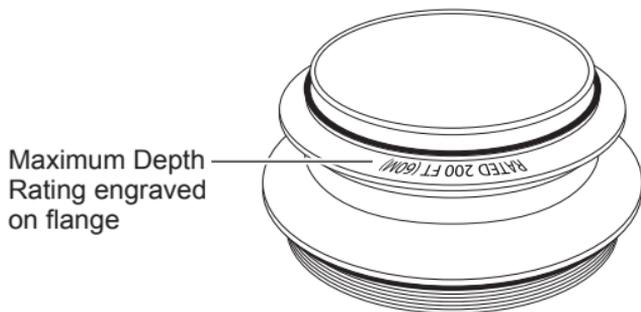
Thank you for your purchase of Ikelite equipment. Please read this instruction manual completely before attempting to operate or dive with this product. Please refer to the back page of this manual to register your Ikelite product.

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Important Notice

Port bodies are engraved with a Maximum Depth Rating; “RATED 200 FT (60m).” They are engraved on the flat flange that rests against the front of the camera housing; see illustration.



Older standard and extended port bodies that are NOT engraved have a Maximum Depth Rating of 150 ft. (45m). The unmarked standard or extended port bodies can be returned to Ikelite for a no charge replacement with the newer 200 ft. (60m) rated bodies. **Do not** send the dome when returning the port body.

All super wide bodies are “RATED 200 FT (60m)” whether they are engraved or not. **Do not** return super wide bodies for exchange.

Port Bodies

For information on the full selection of 8 in. dome port bodies, please visit www.ikelite.com.



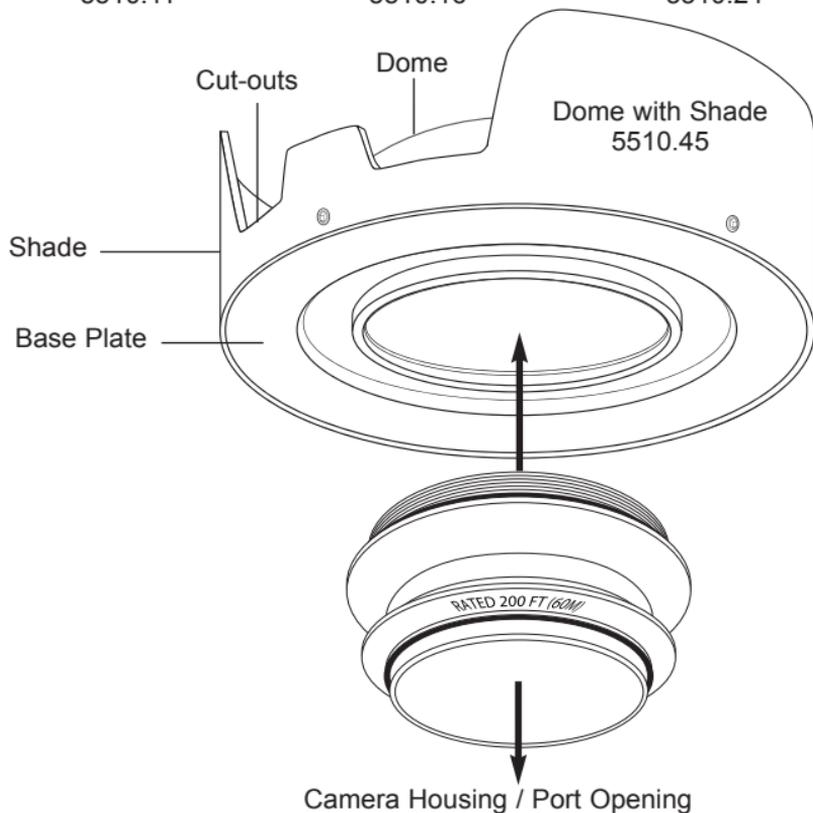
Super Wide Body
5510.11



Standard Body
5510.16

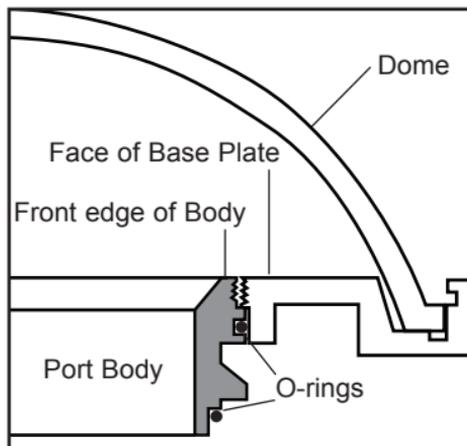
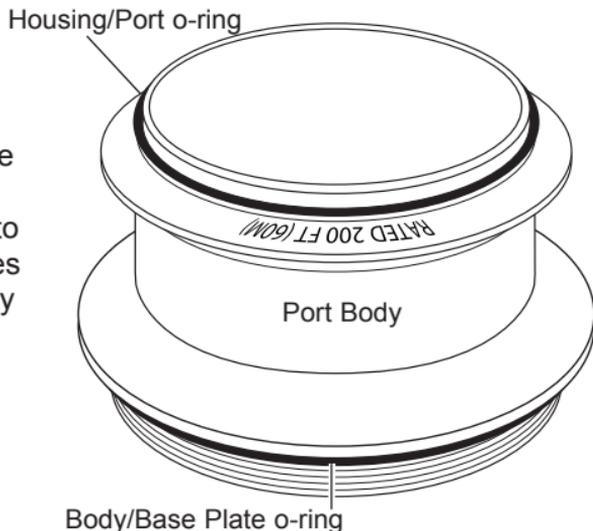


Extended Body
5510.24



Install Port Bodies on the 8" Dome

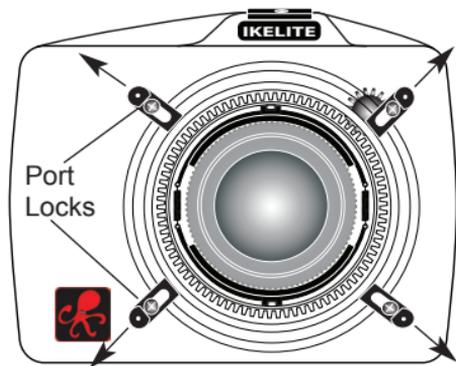
Install bodies by screwing them into the base plate of the 5510.45 dome port. The seal between the body and the dome base plate is a side to side seal and requires the o-ring to be lightly lubricated for easy installation. Remove the body/base plate o-ring, put a small amount of lubricant on your fingers and pull the o-ring through your fingers to lightly lubricate it. Do not stretch the o-ring. Check that the o-ring groove in the body where the o-ring fits and the sealing surface on the port base plate are clean. Replace the o-ring onto the body and then screw the body into the base plate of the dome port. Screw the body in until it stops. The front edge of the body should be flush or slightly above the inside face of the dome base plate as shown in the cross-section.



cross-section

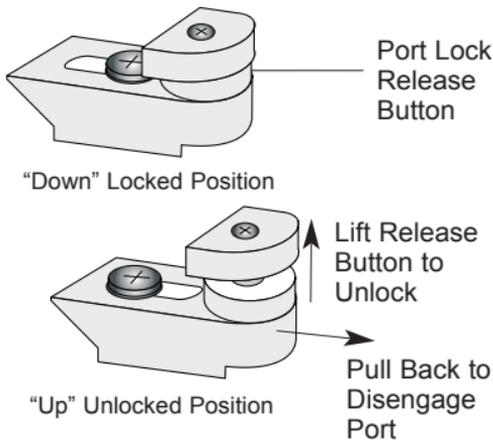
Install Port on a Housing

There are four port locks on the front of the housing. Each port lock has a release button. Lift the release button and slide each port lock away from the port opening. In the unlocked position, the release button will remain in the “up” unlocked position as shown.



When using the 5510.11 superwide port body, the port locks must be in the “down” locked position. Refer to your 5510.11 instruction manual for this installation.

Port Lock



Install Port on a Housing (cont.)

To prepare the port for installation, remove the port o-ring and lightly lubricate it. The port seal is a side-to-side seal and requires the o-ring to be lightly lubricated for easy installation. Put a small amount of lubricant on your fingers and pull the o-ring through your fingers to lightly lubricate it. Do not stretch the o-ring. Check that the lip of the port where the o-ring fits and the sealing surface on the housing are clean.

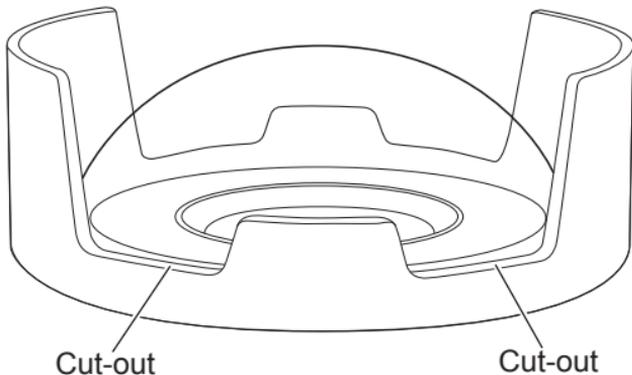
Place the port, with o-ring, into the housing port opening. Press down on the port firmly and evenly until you feel the port slide into place. Continue to push down on the port and push each port lock forward until the lock fully engages. It may help to slightly rotate the port as you push in on the port lock. Visually inspect the port lock and confirm that the port lock release button is seated flush against the port lock body - Page 6. Do not rely only on an audible "click" to indicate that the lock is engaged.

Check around the perimeter of the port seal to see that the o-ring is properly sealed and not extruded (**Page 12 - Fig. 2**).

Port Shade Alignment

Rotate the port so the 4 cut-outs in the shade are at the 2, 4, 8 and 10 o'clock positions in relation to the camera lens view.

When using the 5510.11 superwide port body, refer to your 5510.11 instruction manual for proper shade alignment.



Remove Port from a Housing (except with 5510.11 Superwide Port Body)

To remove the port, lift up on each Port Lock Release Button and slide the port lock away from the port. Lift port from 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.

To remove a port with a 5510.11 superwide port body, refer to the 5510.11 instruction manual.

Port Lock Information

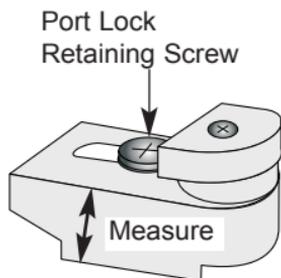
(when using the 5510.11 Superwide Port Body)

When using the 5510.11 superwide port body, unmodified (2-port lock housings) produced prior to March 2006 require the installation of low-profile port locks (now standard on all DSLR housings). These may be purchased through your local Ikelite dealer or directly from Ikelite. Request two 9072.24 port locks when ordering.

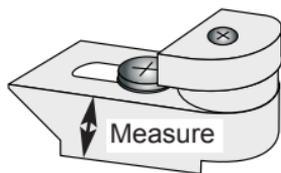
All Ikelite digital SLR housings produced since March 2006 (serial number 15798 and above) are fully compatible with all port bodies including the 5510.11 superwide port body and require no modification.

To visually compare older port locks, measure 7/16" from the bottom to the top of the retaining screw slot. Low-profile port locks measure 5/16". Refer to the figures below.

Ikelite film SLR housings are not compatible with the 5510.11 superwide port body.



Standard Port Lock



Low-Profile Lock

Note: The Low Profile Port Locks work with all Ikelite port bodies. Once they have been installed, there is no reason to replace them.

Port Shade Installation/Removal

- Reference illustrations on page 11.

1. Place the port shade on a flat surface with the cut-out section face down (**Fig. 1 - page 11**).
2. Loosen the four set screws with the Allen wrench. The set screws do not have to be removed, unscrew them until the face of the set screw does not protrude beyond the inside face of the dome shade.
3. Carefully place the port inside the shade with the dome face down (**Fig. 2 - page 11**). The dome port should rest on the two inner ledges of the shade (**Fig. 1 - page 11**).
4. Hold the port in place and tighten the four set screws with the allen wrench provided. Tighten the set screws until the face of each set screw is even with the face of the port shade (**Fig. 2 - page 11**).

Port Shade Installation/Removal (cont.)

DOME PORT

Insert the
Dome Port
face down

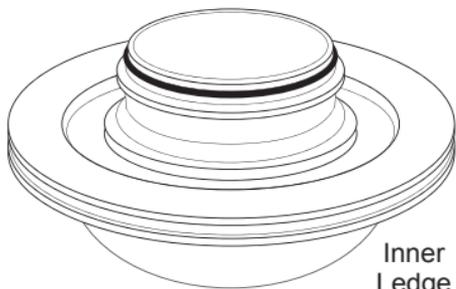
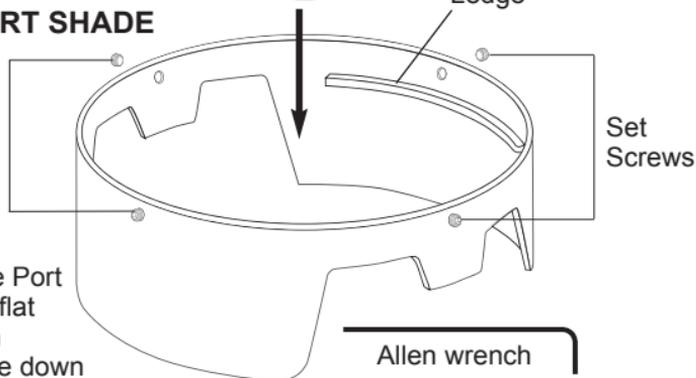


Figure 1

DOME PORT SHADE

Set
Screws

Place Dome Port
shade on a flat
surface with
cut-outs face down



INSTALLED

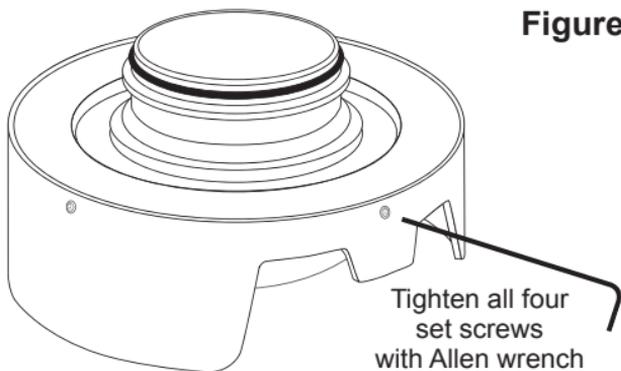
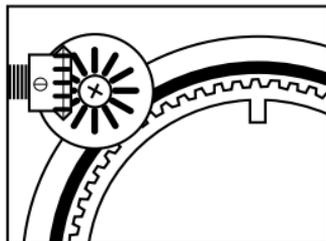


Figure 2

Port Seal - Inside View

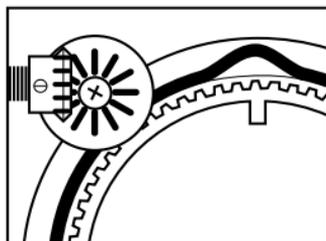
Due to the wide overhang of the port flange, the port seal is most visible when viewed by looking inside the housing before the camera is inserted. After the port is installed check to see that the o-ring is properly sealed as shown in **Figure 3** and not extruded as shown in **Figure 4**.

Figure 3



O-ring Correctly Installed

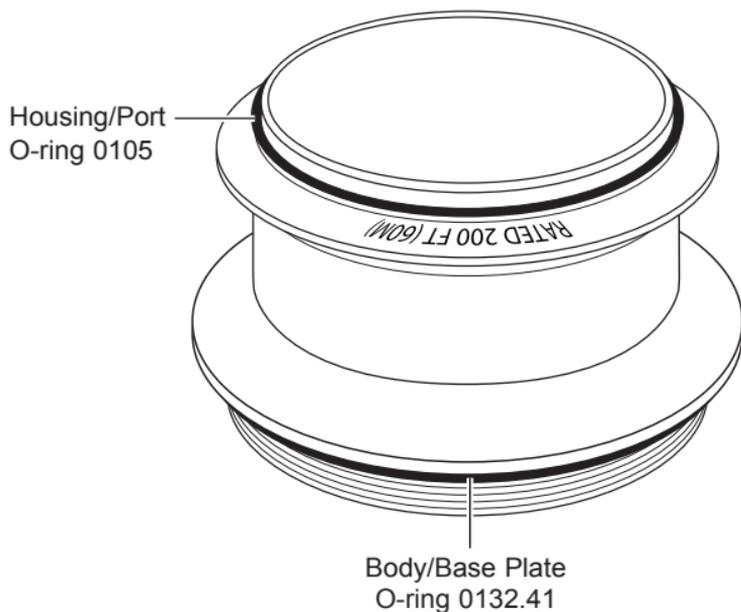
Figure 4



O-ring Incorrectly Installed

Optional Replacement O-rings (applies to all port bodies)

O-rings can last for several years if properly maintained, but it is wise to carry spare o-rings when traveling in case one becomes misplaced or damaged.



Maintenance

After each dive, the exterior of the housing and dome port should be rinsed thoroughly in freshwater and dried with a soft cloth. Remove any water spots from the dome as they can cause blurry spots in the photographs.

After prolonged saltwater use the exterior of the dome port and housing should be soaked in a mild liquid soap and water solution. Rinse thoroughly and dry with a soft cloth.

DO NOT use any type of glass or surface cleaners on the dome acrylic.

For prolonged storage the port should be removed from the housing and the body removed from the dome port. The housing-to-port o-ring and body-to-base plate o-rings should be removed, cleaned, and lightly lubricated.

Cover the dome with protective neoprene cover when not in use.

CAUTION: When the port will not be used for prolonged periods we recommend removing the port body from the dome port. If the port body is not removed for prolonged periods it can make removal difficult.

Never use spray lubricants as the propellant ingredient can cause cracking in this product, or swelling of the o-rings.

Ikelite Limited Warranty

This Ikelite product is 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 are not covered. Except as mentioned above, no other warranty expressed or implied, applies to this Ikelite product.

This port is warranted by Ikelite to a depth of 200' (60m).

Ikelite Technical Support

Email: ikelite@ikelite.com

Phone 317.923.4523

Fax 317.924.7988

Returning Products for Service

Ikelite is most interested in performing any service to ensure that all products perform as intended. Evidence of purchase date must be provided to obtain warranty service.

No prior authorization is required. You may return directly to us or through your dealer. Please include a brief description of the problem, any relevant email correspondence, and/or instructions on what you want us to do. Always include name, shipping address, email address, and phone number inside of the package. Send postage paid to:

*Ikelite Underwater Systems
Attention: Service Department
50 West 33 Street
Indianapolis, IN 46208 USA*

No reimbursements for postage paid will be issued.
You may also want to insure the package.

Returning Products for Service (outside the United States)

For the separate international customs documentation form that you complete to accompany the shipment, please state or designate that the enclosed products were originally manufactured in the USA and are being returned to the manufacturer for repair service. Value of the equipment listed for customs purposes should be zero.



**Ikelite Underwater Systems
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