SEA&SEA

Underwater Housing for Canon EOS Digital REVEL/300D

DX-300D

Instruction Manual
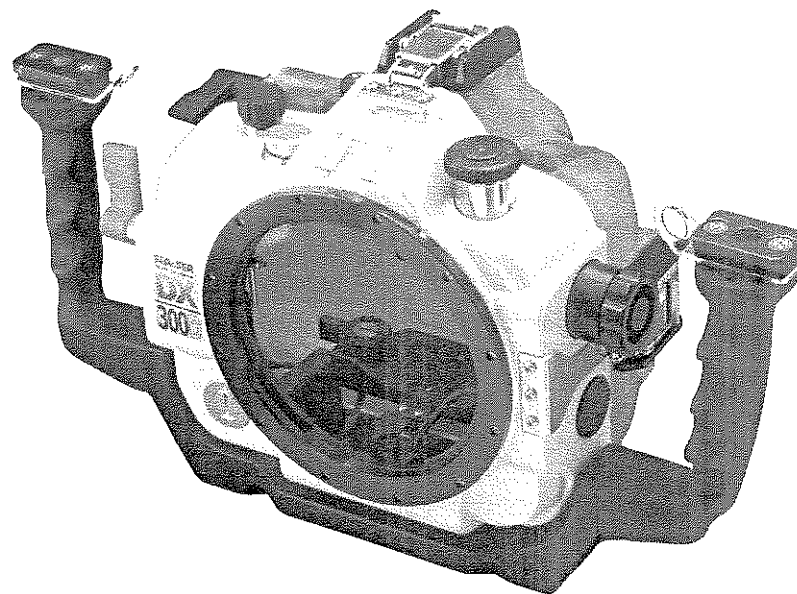
DX-300D

Underwater Housing for Canon EOS Digital REVEL/300D

Instruction

Thank you and congratulations on your purchase of Sea & Sea's DX-300D underwater housing. The DX-300D is designed exclusively for use with the Canon EOS Digital REVEL/300D camera, and depth rated to 60m/200feet. Please read this manual before use and retain for your future reference.

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Safety Precautions

※Misuses listed under the following precautions could lead to serious consequences. Please observe the precautions as they contain highly important information related to personal and product safety.
Precautions marked "CAUTION!" refer to those situations or conditions that could result in personal injury or property damage. Please read carefully.

¶General Precautions for the Housing

⚠ CAUTION!

●Always make sure that underwater lighting equipment and accessories are securely mounted to the housing to prevent them from falling off, getting lost, causing personal injury or equipment malfunction.

●Carry the housing carefully. Take care not to drop it. Violent impact can severely damage the housing.

●Do not open the housing or replace the port or lens in a wet or sandy environment. Protect the interior from moisture and debris.

●Do not alter or modify the housing. User modifications can result in flooding or malfunction. User modifications will void the warranty.

●If you detect smoke or an acrid odor, discontinue use immediately. Remove the camera from the housing and remove the batteries from the camera. Bring or send the housing to an authorized Sea & Sea dealer for evaluation and repair.

●In the event of flooding, turn the camera and strobe off and discontinue use. Beware of increased pressure inside the housing. Handle with extreme care when opening. Immediately remove all batteries. Bring or send the housing to an authorized Sea & Sea dealer for evaluation and repair.

●After use, rise with fresh water. To avoid flooding, make sure the housing is securely sealed with both locking latched and the port securely mounted.

●When rinsing without a strobe attached, make sure the strobe bulkhead is sealed with the provided cap.

●Take care not to scratch the port surface, viewfinder or LCD windows.

●Always dry the port surface and finder window with a soft cloth to prevent salt residue from marring the surfaces.

●Never use petroleum solvents, such as alcohol or paint thinner, to clean the housing; such products might mar or otherwise damage the port, view and LCD windows, or the housing's finish.

●When installing or removing the camera, the dials or gears may scratch the inside of the housing. Be careful not to scratch the O-ring sealing surface.

Other scratches will not cause a functional problem.

● This product has been constructed with an airtight seal. When packing this product for airplane travel, release the locking latches or remove the O-ring to alleviate pressure build up due to atmospheric changes.

● This product incorporates plastic parts. Do not subject the housing to extreme heat, such as on a car dashboard, or in direct sunlight. Plastic parts are prone to warping

● SEA & SEA Products Ltd. will not be responsible for unobtained pictures or costs related to the shooting of such pictures due to malfunction of the housing, camera, strobe or accessories.

● SEA & SEA Products Ltd. will not be responsible for any damages, repairs or replacements of the camera, lenses or accessories used with this housing due to flooding caused by user mishandling.

● Do not store in a damp or humid environment.

● Do not store in a chemically laden environment. Naphthalene, camphor, or other harmful chemicals can cause mildew, corrosion and other damage to the metal and rubber parts in this product.

Handling and Maintenance of the O-ring

The O-ring on the front case of your DX-300D Housing provides an airtight waterproof seal. Improper handling and maintenance of the O-ring can cause flooding. Please observe the following precautions carefully.

⚠ **CAUTION!**

A special silicone oil-impregnated blue O-ring is used in this product. For maintenance of this blue O-ring, use Sea & Sea silicone grease in a tube with BLUE cap and lettering. Never use Sea & Sea silicone grease in a tube with a BLACK cap or other manufacturers' brands. Incompatible silicone grease will cause the O-ring to lose its waterproofing ability. If you have applied incompatible grease on a blue O-ring, the O-ring must be replaced.

● **Always inspect the O-ring for scratches, cracks or cuts.**
If the O-ring is damaged, it must be replaced. Never remove the O-ring with a sharp tool. To avoid damaging the O-ring, use the O-Ring Remover, a tool especially made for O-ring removal.

● **Inspect for debris.**
Make sure that there are no foreign particles, such as dust, sand or hair on the O-ring, O-ring groove, or O-ring contact surface. Such contamination will breach the seal and cause flooding. If necessary, wash the O-ring thoroughly in fresh water and dry with a lint-free cloth. Use a cotton swab to clean the O-ring groove and contact surface.

● **Lubricate with silicone grease.**
Silicone grease protects the O-ring from drying and abrasion. Dab a small amount of grease onto your finger and draw the O-ring through your fingers until evenly coated. Use the silicone grease sparingly. Too much grease attracts debris.

● **Do not crimp the O-ring.**
Hold the O-ring straight and do not bend or twist it when fitting it into the O-ring groove.
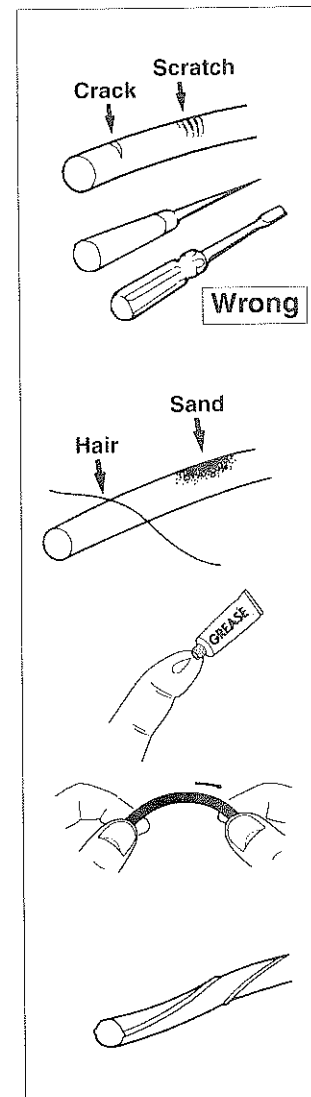
● **O-ring storage.**
Always store your O-ring in an airtight container and in a cool environment. Keep out of direct sunlight. Take care that it is stored flat and not bent or twisted. Do not place any heavy objects on it; excessive weight will flatten it and impede its sealing capability.
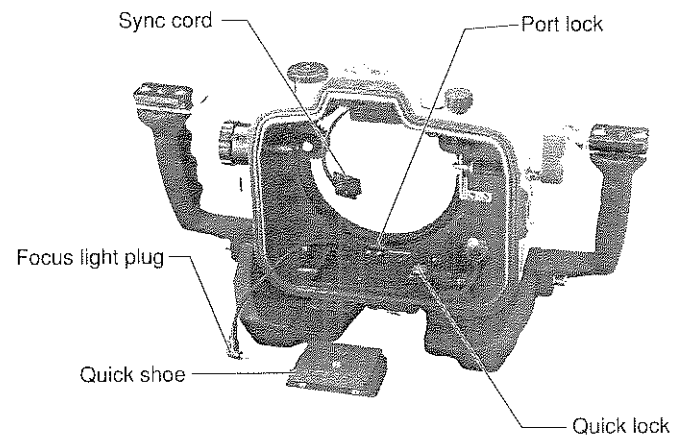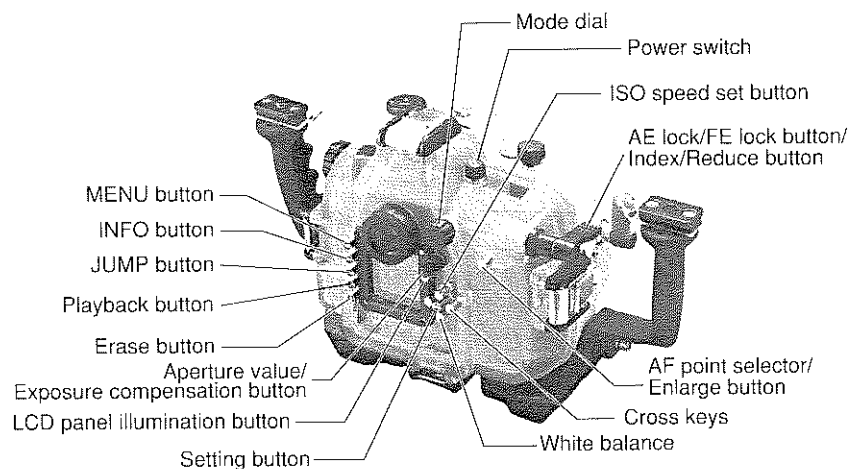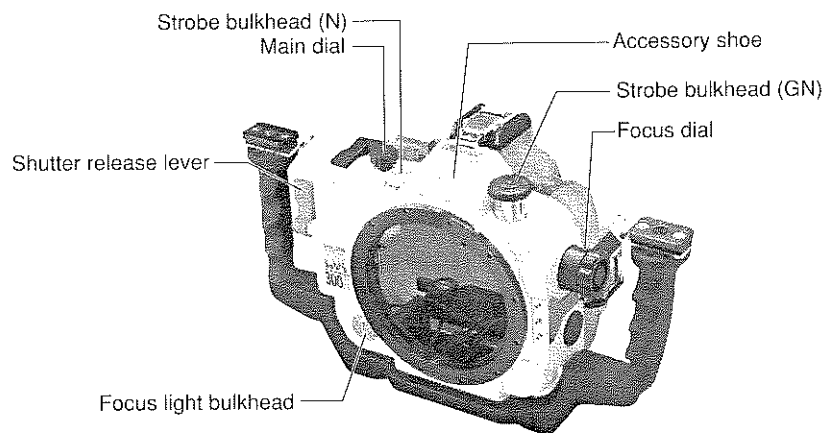
● **The O-ring's life is one year.**
The life of the O-ring depends on the diligence of your maintenance, frequency of use, and storing conditions, but on average, if you maintain your O-ring properly, it will retain its watertight integrity for one year.

● **Remove the O-ring for inspection.**
Before use, remove the O-ring from its groove and carefully check the O-ring, the O-ring groove and the O-ring contact surface. A thorough examination of the O-ring and O-ring groove is not possible unless the O-ring has been removed.

Identification of Parts

Strobe bulkhead (N)
Main dial
Accessory shoe
Strobe bulkhead (GN)
Focus dial
Shutter release lever

Focus light bulkhead

Mode dial
Power switch
ISO speed set button
AE lock/FE lock button/
Index/Reduce button
MENU button
INFO button
JUMP button
Playback button
Erase button
Aperture value/
Exposure compensation button
LCD panel illumination button
Setting button
AF point selector/
Enlarge button
Cross keys
White balance

Sync cord
Port lock

Focus light plug

Quick shoe

Quick lock

Opening and Closing the Housing

<OPENING THE LOCKING LATCH>

To release the locking latches, press down on the security lock, the push the latches forward (Figure 1). Removal of rear case will be easier by re-locking the latch while the latch is off the hook (Figure 2).
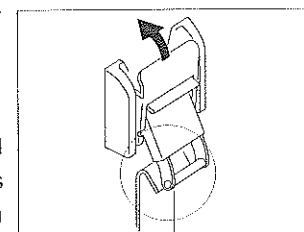
⚠ **CAUTION!**
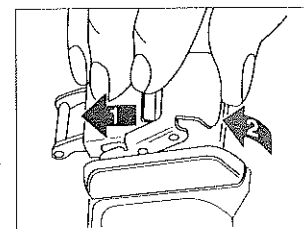
● To prevent injury, lift the locking latch with the ball of your finger and not with your fingernail.

(Figure 1)

<CLOSING THE LOCKING LATCH>

Press the rear case against the front case and close the locking latches on the left and right sides simultaneously. Then close the top and bottom latches simultaneously.
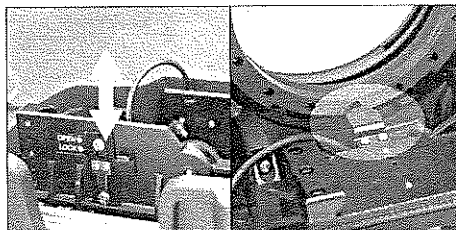
(Figure 2)

⚠ CAUTION!

● Examine the O-ring and O-ring channel.

Make sure they are not scratched or contaminated with sand, hair, dust, etc.

● Snap down the latches until you hear a clicking sound. This indicates that the latches are securely closed.

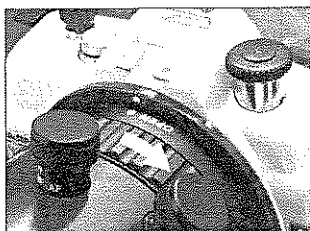## Attaching and Detaching the Port

< Attaching the Port >

1. Pull the port at the bottom of the Quick Shoe Base in the front case to the OPEN position.
2. Fit the port onto the front case and turn the port clockwise till it stops. (Figure 2)

(Figure 1)

3. Make sure that the markings on the housing and port meet. (Figure 2)
4. Push the port lock to the LOCK position until you hear a click, making sure that the port lock pin is fully engaged with one of the port notches.

Detaching the port

1. Pull the port lock to the OPEN position
2. Hold the front case firmly and turn the port counter-clockwise.

(Figure 2)

⚠ CAUTION!

● Never attempt to remove the port with the port lock at LOCK position. It may damage the camera base.
● Ports for NX-90PRO are compatible with the DX-300D but the bayonet mount must be modified. For details, please contact Sea & Sea or a Sea & Sea authorized dealer. (Ports with black bayonet and 4-digit part number need to be modified. Ports with gray bayonet and 5-digit part number can be used with DX-300D without modification.)

Mounting the Camera to the Housing

1. Remove the eyecup from the camera (Figure 1).

2. Attach the quick shoe to the bottom of the camera and secure with the screw.

3. Pull up the main dial. (Figure 2).

(Figure 1)

4. Attach the selected lens to the camera. Select focus mode (AF or MF).

5. Rotate the lock on the Quick Shoe Base OPEN position (Figure 3).
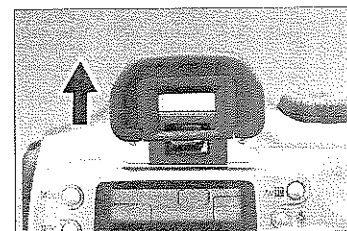
6. Fit the camera into the front case.
   ※ When mounting the camera, make sure that the sync cord and focus light plug are clear of the camera.
   ※ Into the camera into the housing while turning the focus knob to ensure that the camera and housing gears will mesh well with each other.
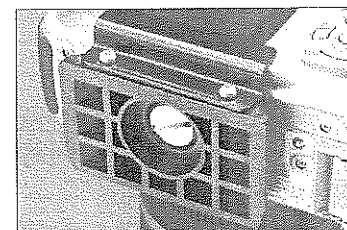
(Figure 2)

7. Turn the Quick Shoe lock to the LOCK position to secure the camera in place.
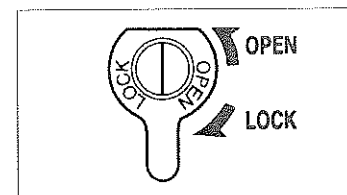
(Figure 3)

8. Attach the sync cord to the camera's hot shoe as shown in the figure 4. Push it in till it stops.

⚠ CAUTION!

● When connecting and disconnecting the sync cord, hold the connector firmly between thumb and forefinger. Do not push, pull, twist, or bend the cord. Abusive handling can damage the cord.

(Figure 4)

9. Insert focus light plug as shown in the Figure 5. Push it in till it stops.

10. Fit the rear case with the power switch extended onto the front case and close the locking latches simultaneously.
Select focus mode (AF or MF).
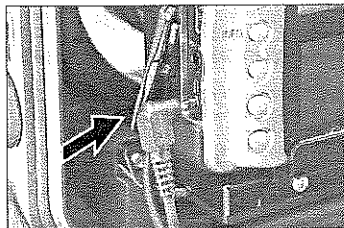
Dismounting

1. Detach the sync cord from the camera.
2. Remove the focus light plug.
3. Turn the quick lock to the OPEN position.
4. Pull out the camera from the front case.

(Figure 5)

Attaching the Strobe to the Strobe Connector

●Five-pin sync cord (N)

1. Remove the bulkhead connector cap.
2. Make sure that the O-ring and the connector contact pins are clean.
3. Align the guide mark on the strobe's sync cord with the guide mark on the housing's bulkhead connector. Then push the sync cord into the bulkhead
4. Turn part Ⓑ until the connector is firmly fixed.
5. Turn part Ⓒ until the connector is locked into place.
6. To remove the connector, loosen part Ⓒ, then part Ⓑ, and pull part Ⓐ straight out.
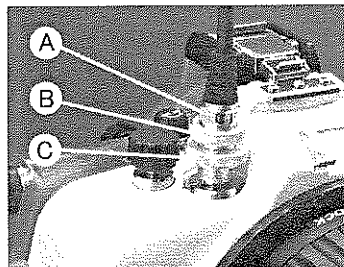
●Six-pin sync cord (GN)

1. Remove the bulkhead connector cap.
2. Make sure that the O-ring and the connector contact pins are clean.
3. Align the guide mark on the strobe's sync   cord with the guide mark on the housing's bulkhead connector. Then push the sync cord into the bulkhead
4. Turn part Ⓑ until the connector is firmly fixed.
5. To remove the connector, loosen part Ⓑ, and pull part Ⓐ straight out.
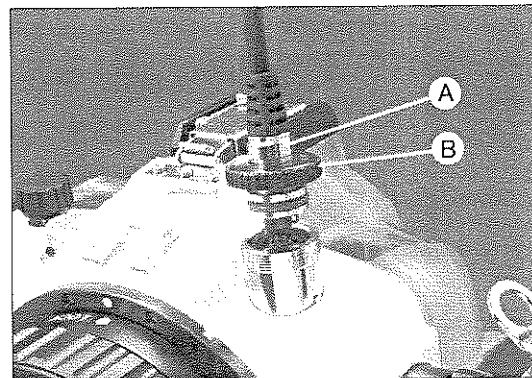
⚠ CAUTION!

● To remove the sync cord after use underwater, turn the housing upside down, and then pull out the sync cord. This will prevent water from dripping into the bulkhead connector. If it gets wet, dry it immediately

● Sea & Sea's strobes equipped with Nikonos-type connectors are the only recommended strobes for this housing. Use of other strobes may cause malfunction of the housing.
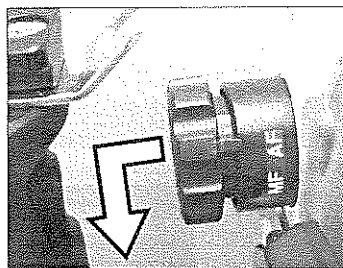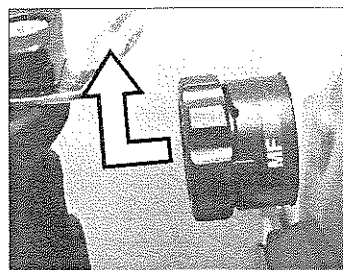
Focus knob

Use this knob to control focus when focus mode is "M (manual)". Always set the knob to AF when taking photographs in auto focus mode. (Figure 1)

Note: The lens can be damaged if the knob is set at the MF position when shooting in autofocus mode

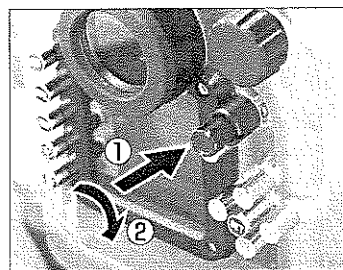※Focus knob cannot be use unless the lens is equipped with a focus gear.

(Figure 1-1)

(Figure 1-2)

Aperture value/Exposur compensation button

Rotate the main dial while pressing either button down.
While holding it down, turn it till it stops; the button will remain in the down position. (Figure 2)

(Figure 2)

※For information regarding the controls of the EOS Digital REVEL/300D camera, please refer to the instruction packaged with the camera.

Controls: Mode dial, Power switch, Main dial, Shutter button, MENU button, INFO button, JUMP button, Playback button, Erase button, Cross keys, White balance button, Setting button, LCD panel illumination button, Aperture value / Exposure compensation button, AE lock/FE lock button/Index/Reduce button, AF point selector / Enlarge button, ISO speed set button

Construction: Front case: ABS resin (paint finish)
Rear case: Polycarbonate

Depth rating: 60m (200ft)

Dimensions: 361 x 208 x 121mm/14.2 x 8.2 x 4.8 inches (W x H x D)

Weights: 3000 g / 6.7 lbs (without camera)

Accessories: O-ring, Silicone grease, O-ring remover, Hexagonal wrench

※Specifications and prices are subject to change without notice.