

## Manual for Olympus PT replacement bulkhead

Thank you for purchasing an PT replacement bulkhead for Nikon compatible strobes. Please read the manual to understand the features and options of the converter.

### Important:

This replacement bulkhead needs careful installation in your camera housing. To avoid any flooding it's strongly recommended to do a test dive without camera and converter after installation of this unit!

### Installation:

- Remove original Olympus bulkhead from your housing. Remove the screw nut carefully with a little gripper
- The old bulkhead can now be pulled out of the housing
- Inspect hole and make sure it's completely clean and intact
- Take the replacement bulkhead and remove the two screw nuts very carefully from the thread. The connector fits through the nuts if you bend the cable carefully at the connector. Do not use any force!
- Check O-ring and thread of the replacement bulkhead. The O-ring is already slightly greased and does not require maintenance before installation
- Insert replacement bulkhead in the housing. Make sure that the little notch fits inside the pin on top of the housing.
- fix the bulkhead with the two screw nuts. They should be tightened steadily so the bulkhead clearance is at a minimum
- Tighten the screw nuts very carefully and avoid any tilt!
- Re-check the O-ring (You can see it through the housing wall)
- We are ready for a first topside test of the converter!
- A test dive with installed bulkhead (and blanking cap, of course) but without camera and converter is strongly recommended!

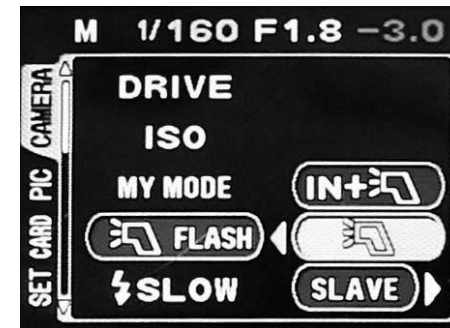


Picture 1: Installed bulkhead at a PT-027

### Operation:

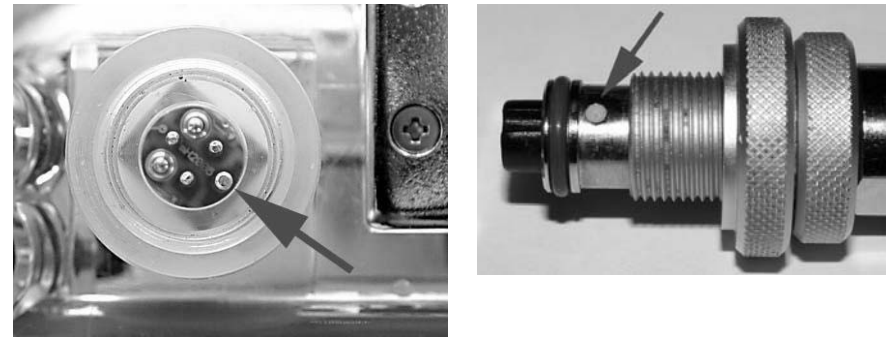
For TTL support Nikon compatible strobes with double flash capability are required. The interval between the pre- and the mainflash is approx. 140ms. A YS60 from Sea&Sea or Inon Z220 will work fine, for example.

- Set camera to „external flash gun“



Picture 2: Settings in menu „CAMERA“

- The internal flash will automatically be re-enabled if the converter is removed. So you don't have to change this setting when using the camera with the internal flash.
- Connect the converter. The converter should only be inserted into the camera when the camera and attached strobe is set to OFF
- Attach strobe. Make sure that the alignment of the strobe connector is correct and do **NOT USE FORCE** to insert the connector the wrong way! The little groove at the connector has to fit the adequate pin in the bulkhead, the two brass pads on the connector must be in line with the two spring-loaded gold pins in the bulkhead. Now tighten the connector as usual and check the O-ring through bulkhead wall.



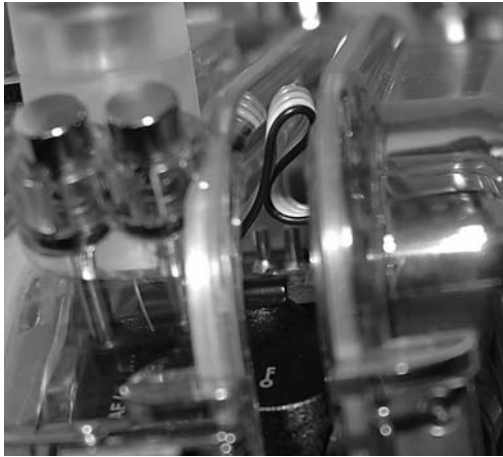
Picture 3: Alignment of bulkhead and connector

- Be careful when applying too much force on the connector and or bulkhead. Fix the strobe cable at the housing to avoid any stress on the bulkhead

If you take a picture, you should see two flashes in a short interval. The preflash is followed from the mainflash within 140 milliseconds (ms). The preflash is a low-power TTL flash and the green TTL light at Sea&Sea strobes must light up for some seconds after any shot.

**Important:**

- Re-check the fixing nuts of the bulkhead from time to time
- Avoid any installation of the converter or strobe in humid environments
- If seawater got in contact with the bulkhead rinse entire bulkhead with fresh water as soon as possible!
- Avoid touching the converter with wet fingers!
- The supplied blanking cap must be pushed carefully inside the bulkhead before fixing it
- Install cap whenever you are not using the external strobe!
- O-rings need only a minimum of grease!
- Make sure not to squeeze the cable in the housings O-ring!



Picture 4: Keep the cable away from the housings O-ring!

**Hints:**

- When doing macro photography use the manual mode of the camera and use high apertures, like f/8
- The converter does work in the „Hi“ mode, as well.
- Cheaper than an Y-Cable is the use of one of our optical adapters DA-O-S or DA-O-N. You'll still have full TTL.
- Avoid unnecessary opening of the connection in humid environments (e.g. on a live aboard)
- Do regularly maintenance on the O-Ring with the appropriate grease.