



# UW Titan Tube

*Setup, Use, and Care Guide*

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[Gates Underwater Products](#)

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# 1: Introduction

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Congratulations on your purchase of Gates UW Titan Tube (UT2) lighting product, designed specifically for the ASTERA Titan Tube LED light. UT2 is designed for years of reliable service, and functional user-friendly features.

## ***Warranty Disclaimer***

It is your responsibility to learn the proper setup, use and care of UT2. [Gates Warranty](#) for parts is provided with UT2 for a period of 2 years, and electronics / cables / connectors for one 1 year. If you have any questions about this accessory kit, contact Gates directly. Details are in the last section of this manual.

## ***ASTERA Items Required***

The following user supplied items are required to operate UT2.

- ✓ ASTERA Titan Tube
- ✓ ASTERA charging station

## ***Unpacking UW Titan Tube***

The items listed below are included with UT2.

### ***Kit Components***

- ✓ UT2 Light Tube
- ✓ 3/16 HEX tool
- ✓ UT2 Alignment Plate
- ✓ UT2 BASE Weight
- ✓ 4mm HEX tool
- ✓ UT2 Spare Kit

## ***A word about cosmetics..***

UTS tubes are made of clear polycarbonate, a tough material resistant to impact and fracture. To make a tube, the polycarbonate is extruded, a process that leaves inherent length-wise lines and possibly other marks that are visible to the naked eye. These are cosmetic only, and do not affect the function or performance of UT2.

## 2: Preparing the ASTERA Titan Tube

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- ✓ **Remove any accessories from ASTERA Titan Tube** such as handles, connectors, etc.
- ✓ **Charge ASTERA Titan Tube.** If you are planning to use Titan Tube without a surface tether connection, fully charge the light before proceeding.
- ✓ **Turn Wi-Fi OFF.** If you are not planning to connect with ASTERA Titan Tube via Wifi while operating above water, turn Wi-Fi **OFF**.



Remove any accessories from ASTERA Titan Tube.

### 3: Titan Tube Install to UT2

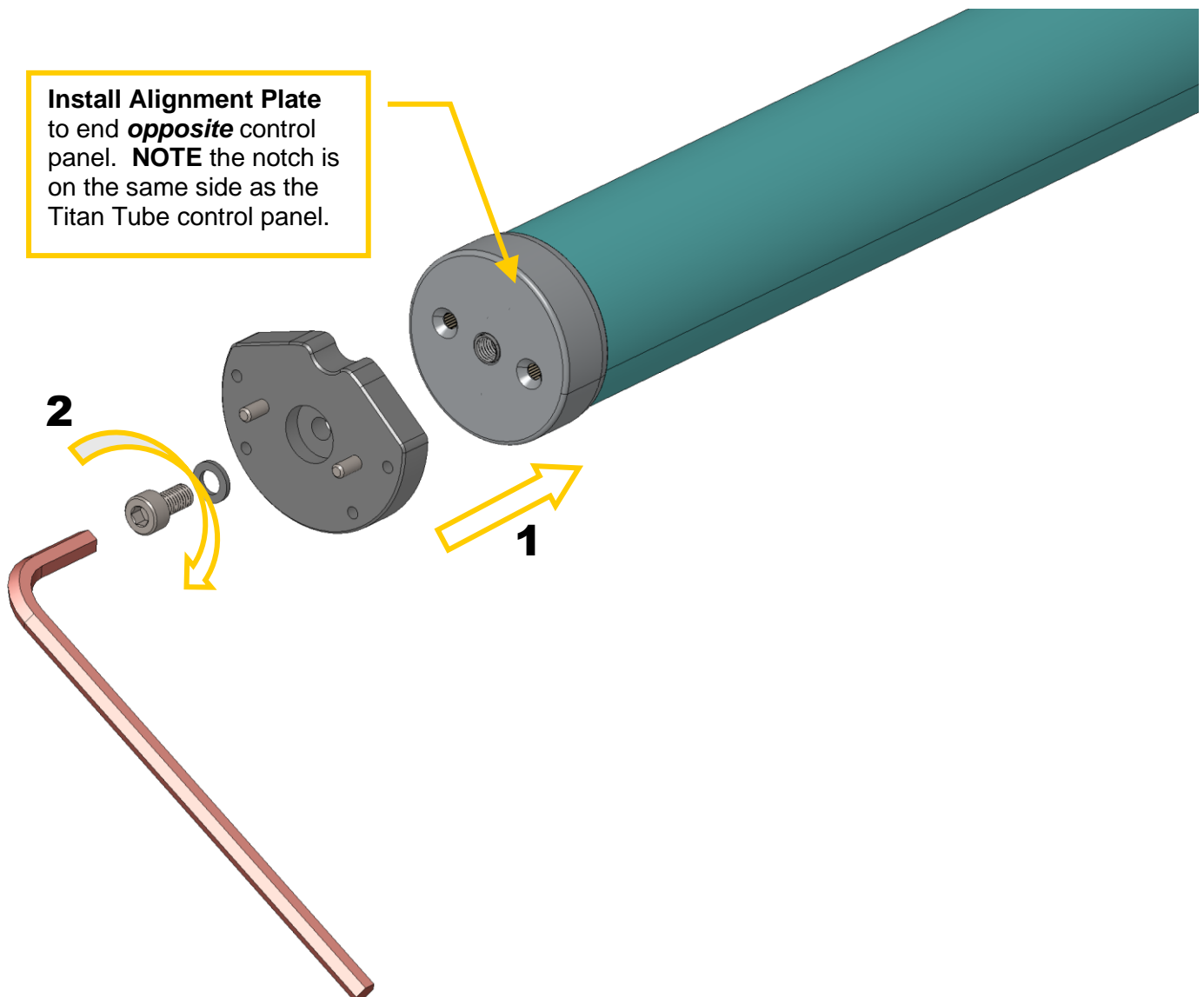
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After stripping down the ASTERA Titan Tube:

- ✓ **Secure the UT2 'blank side' Alignment Plate to Titan Tube** as shown below. This Alignment Plate is secured at the 'far' end, away from the ASTERA Titan Tube control panel.

**NOTE** the notch is aligned with the Titan Tube control panel. Assure the Align Plate is fully seated to Titan Tube.

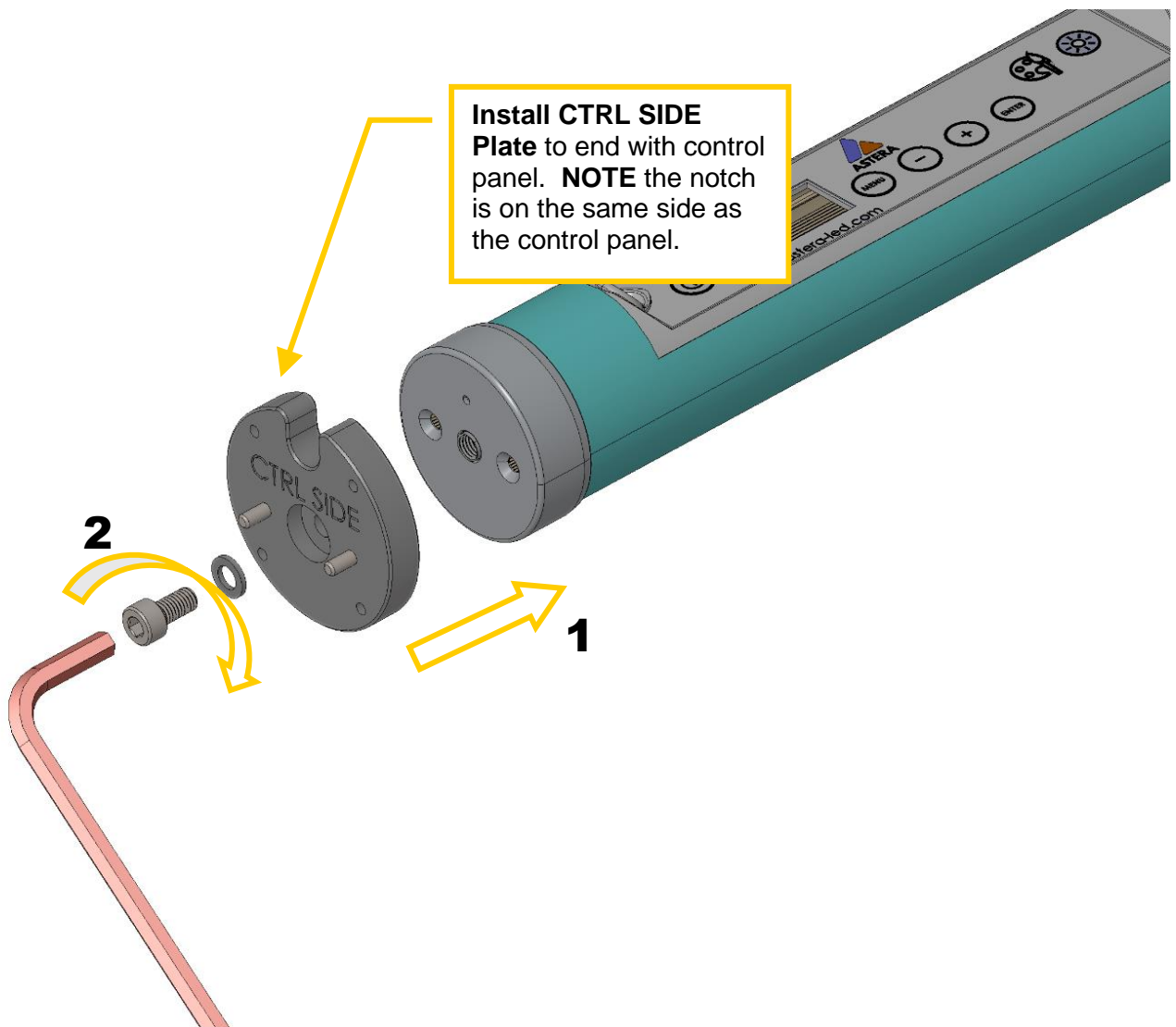
Tighten the screw with provided 4mm HEX tool.



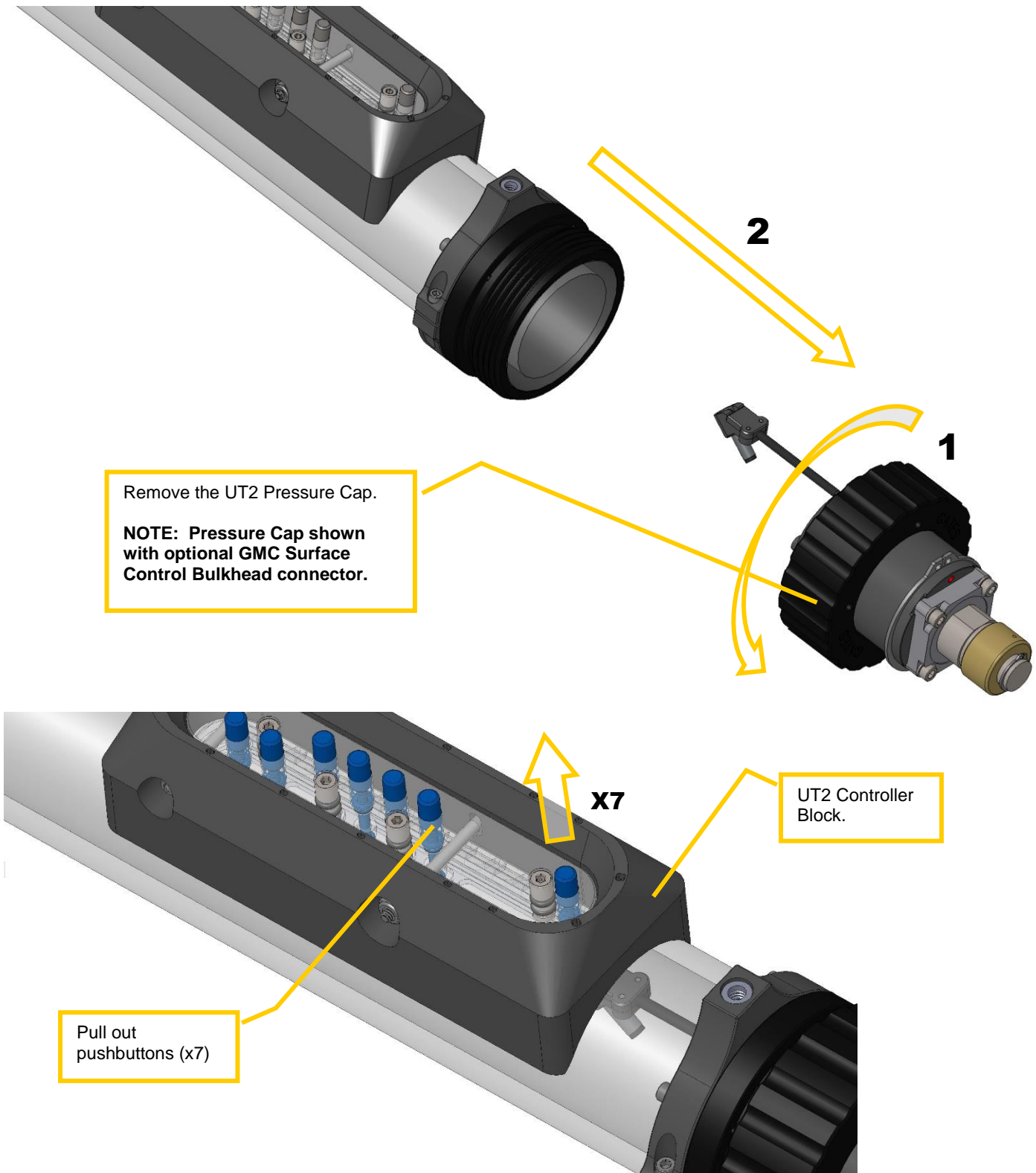
- ✓ **Secure the UT2 'CTRL SIDE' Alignment Plate to Titan Tube** as shown below. This Alignment Plate is secured at the 'near' end, next to the ASTERA Titan Tube control panel.

**NOTE** the notch is aligned with the Titan Tube control panel. Assure the Align Plate is fully seated to Titan Tube.

Tighten the screw with provided 4mm HEX tool.



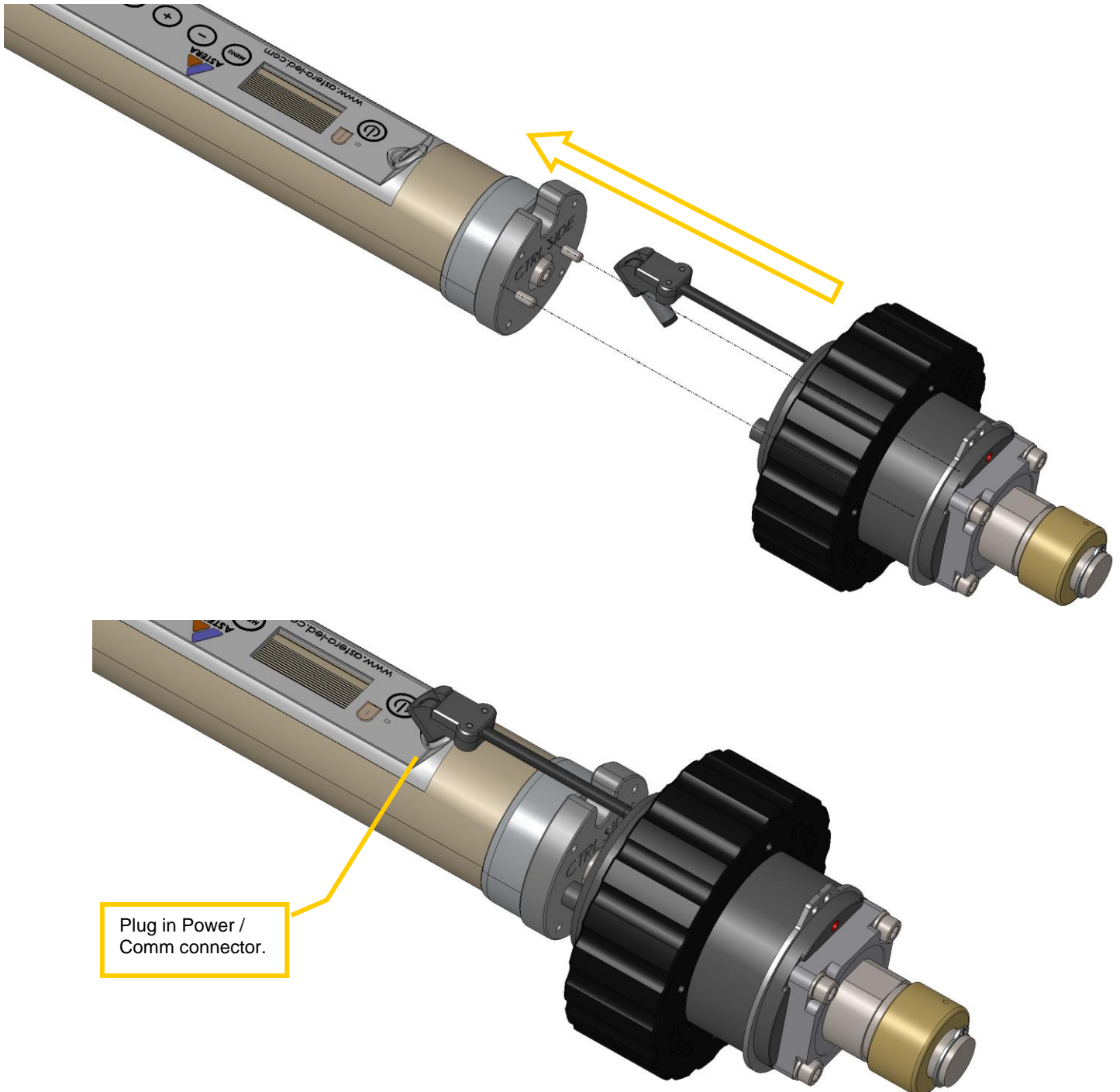
- ✓ **Remove Pressure Cap from UT2.** Unthread the large ring and separate from the main tube. See image below.
- ✓ **Pull out pushbuttons** on UT2 Controller Block. This step provides extra clearance to ASTERA Titan Tube during insertion. 7 total pushbuttons.



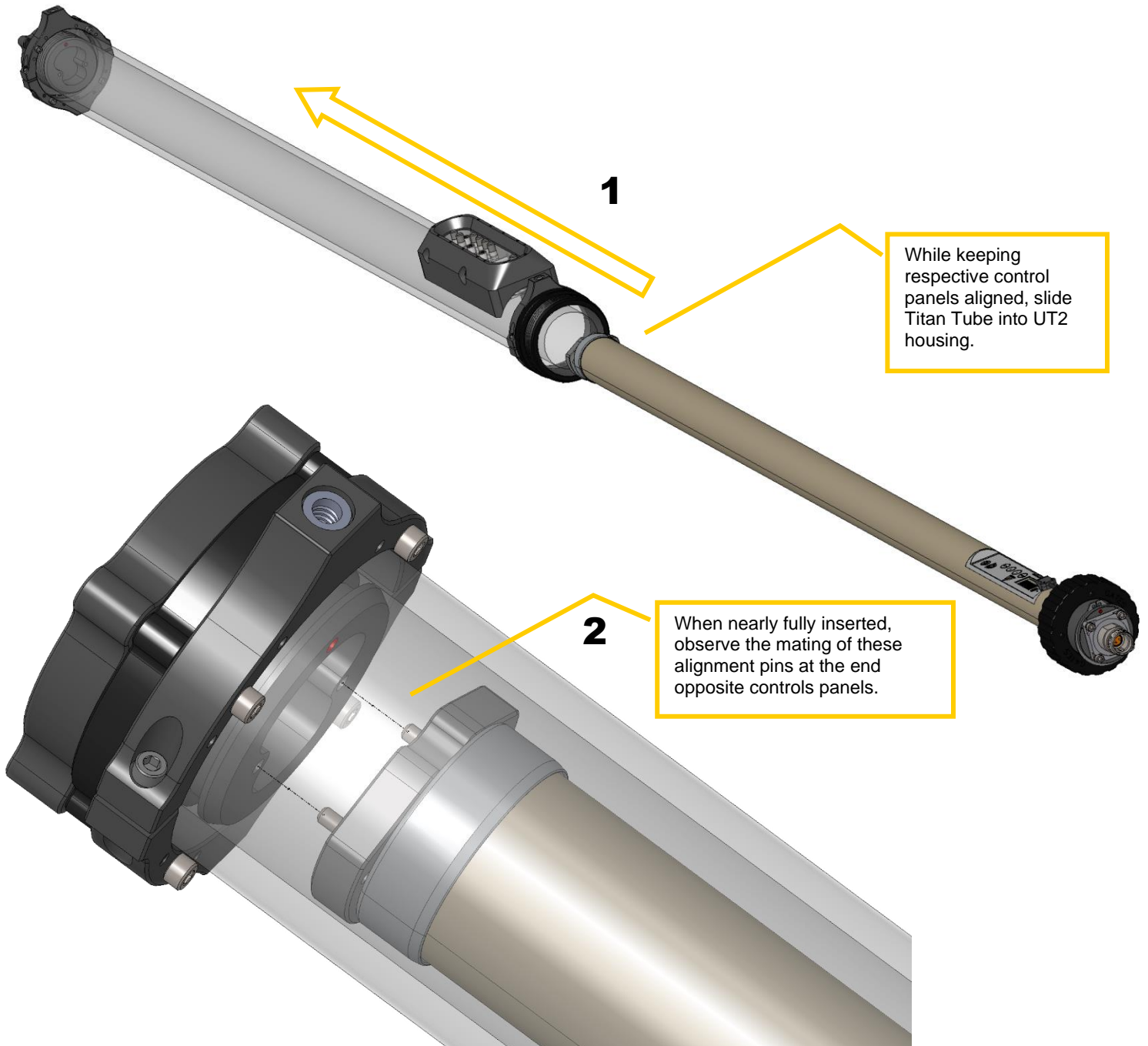
- ✓ **Mate Pressure Cap with ASTERA Titan Tube.** Align the cap with control panel as shown below.

**NOTE** the Pressure Cap does not secure with a fastener to the Titan Tube. It remains 'floating' to allow for variations in Titan Tube and UT2 fitment.

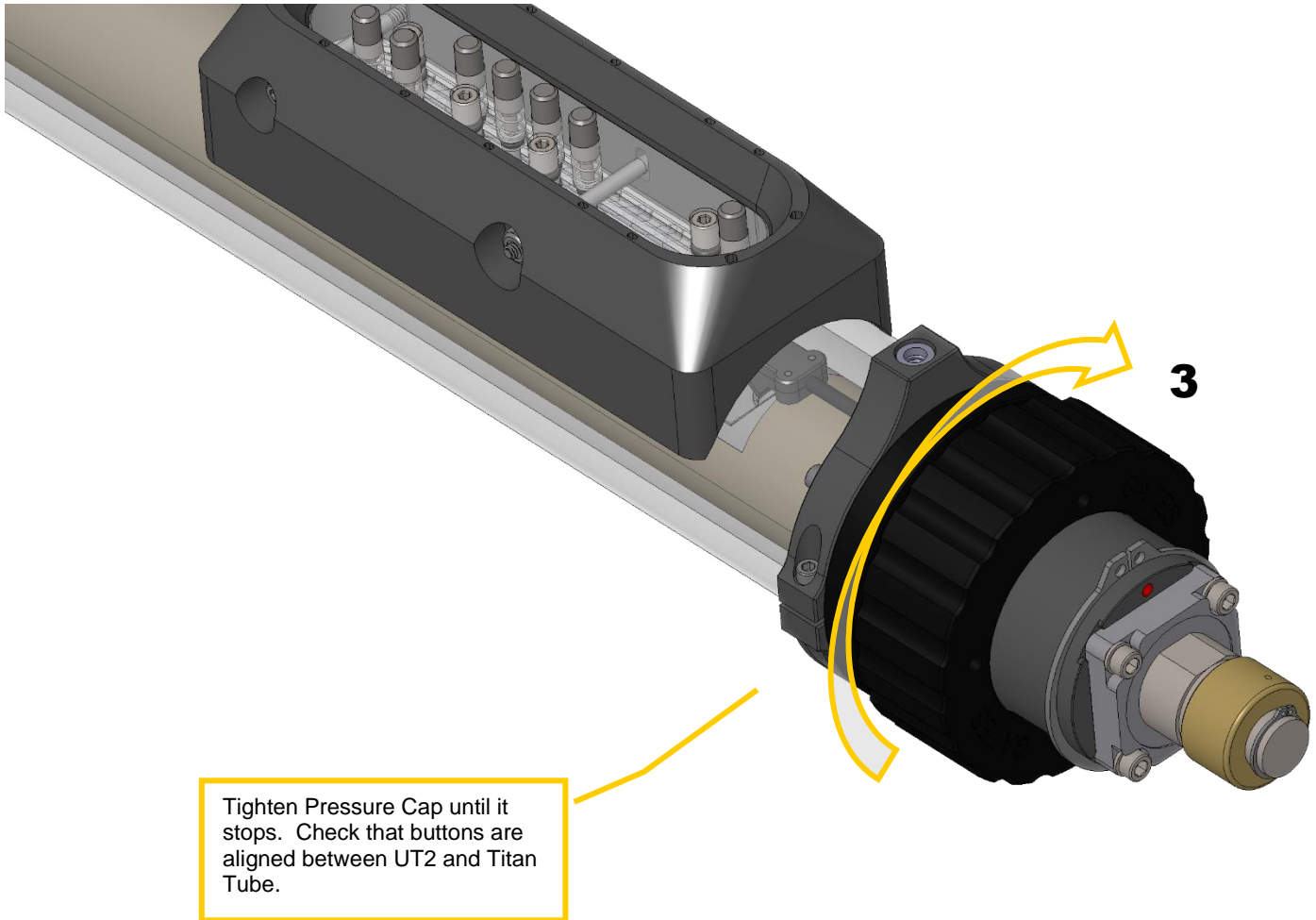
- ✓ **Plug in the power / DMX connector.**



- ✓ **Insert ASTERA Titan Tube into UT2.** Gently slide ASTERA Titan Tube into UT2 housing. Keep Titan Tube control panel aligned with UT2 Controller Block.
- ✓ **When nearly fully inserted,** watch for alignment of 'blank side' Alignment Plate to mate with the UT2 end cap, which has holes to receive 2 pins on the Alignment Plate.

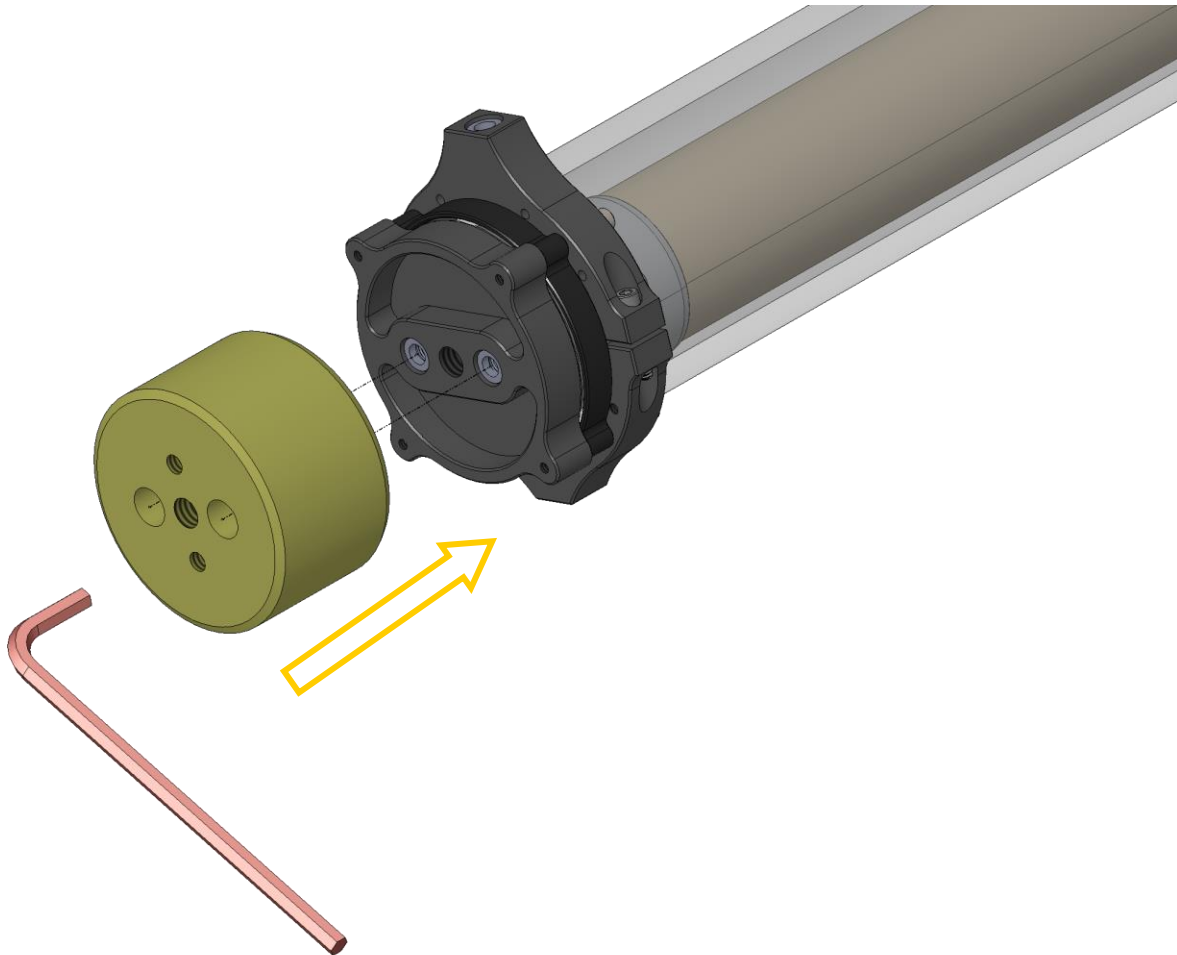


- ✓ **Once fully inserted and seated**, rotate the Pressure Cap until it stops to fully secure Titan Tube into UT2 Housing. Check that Titan Tube buttons are aligned with UT2 pushbuttons.



## ***UT2 Buoyancy: Use of BASE Weight***

- ✓ **UT2 is nearly neutrally buoyant in the basic configuration. If weight is needed to make UT2 negatively buoyant, install the included BASE Weight using the provided 3/16 HEX tool.**



## 4: Functional Check

- ✓ **Functional check is a straightforward verification** of UT2 pushbuttons, that they properly align and access the Titan Tube control panel buttons.
- ✓ **If functional check fails**, double check that the Titan Tube is fully seated in UT2, with alignment pins seating properly at the end opposite the control panel, as noted in the previous section. Repeat those steps if necessary to align Titan Tube buttons with UT2 pushbuttons.



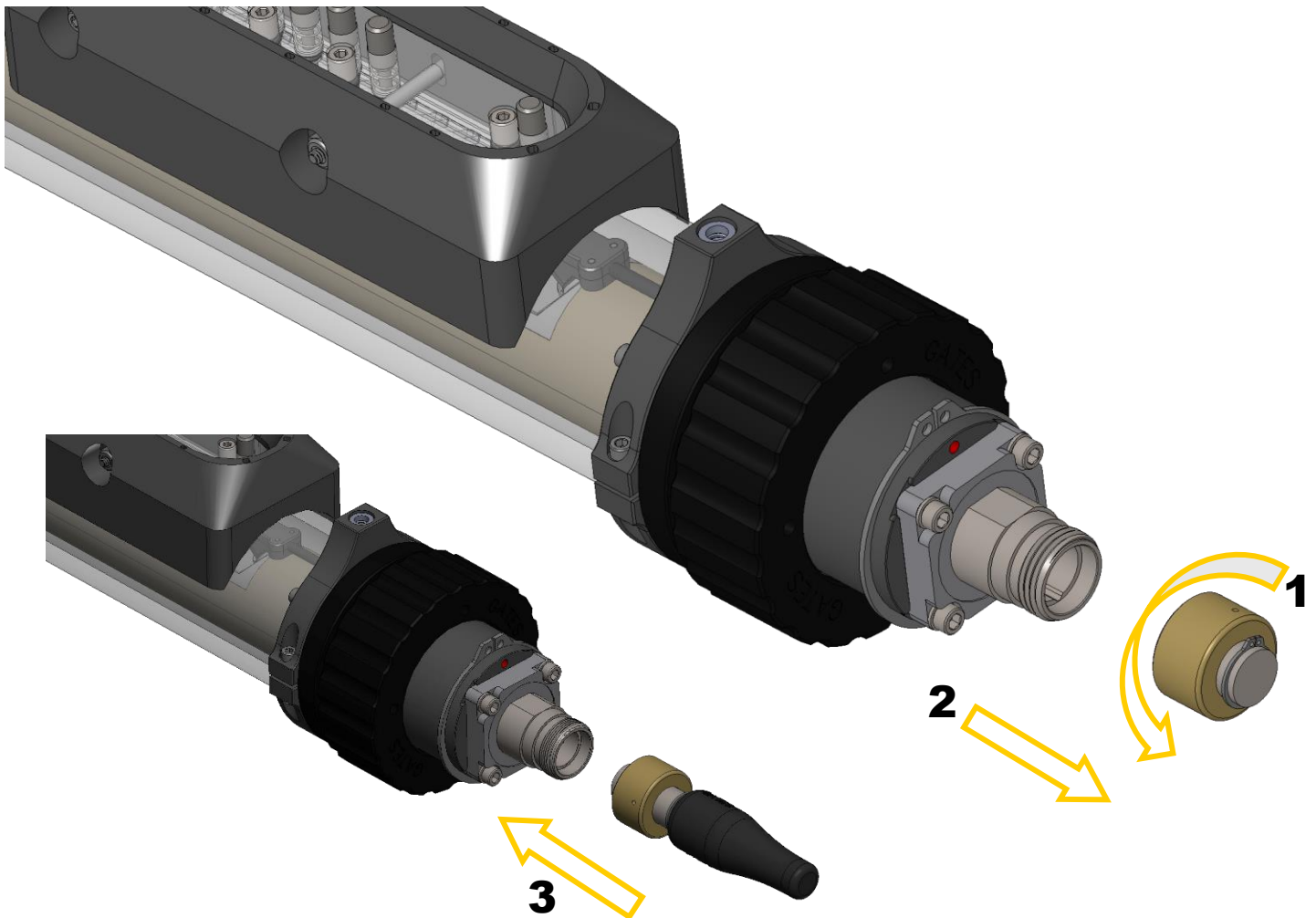
## 5: Accessories

### ***Surface Power / Command Cable***

Power / Command Cables are available for full light control from the surface. 100 ft / 37m length, the surface end will connect directly to various ASTERA products designed for this purpose, such as Power Box, Data Link, and Charging Case. Details can be found here: [ASTERA Titan Tube](#).

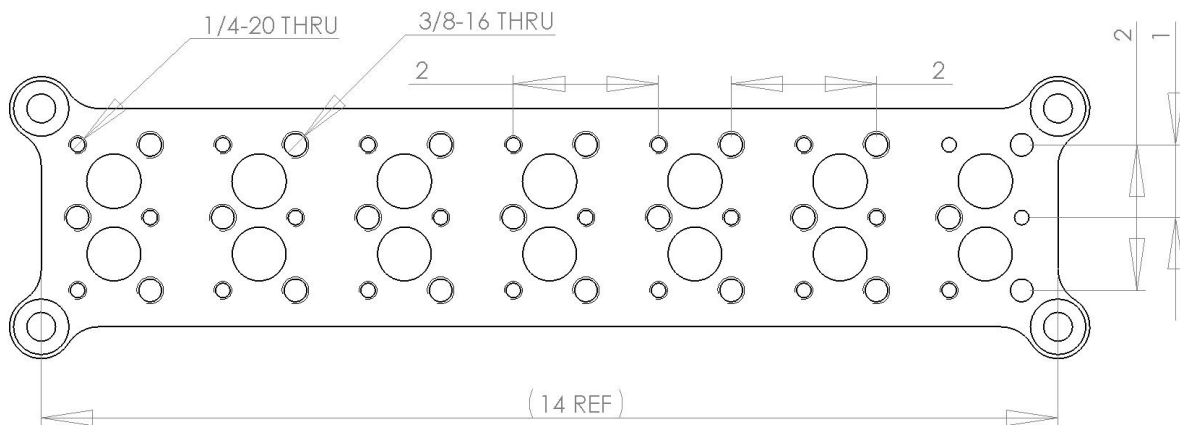
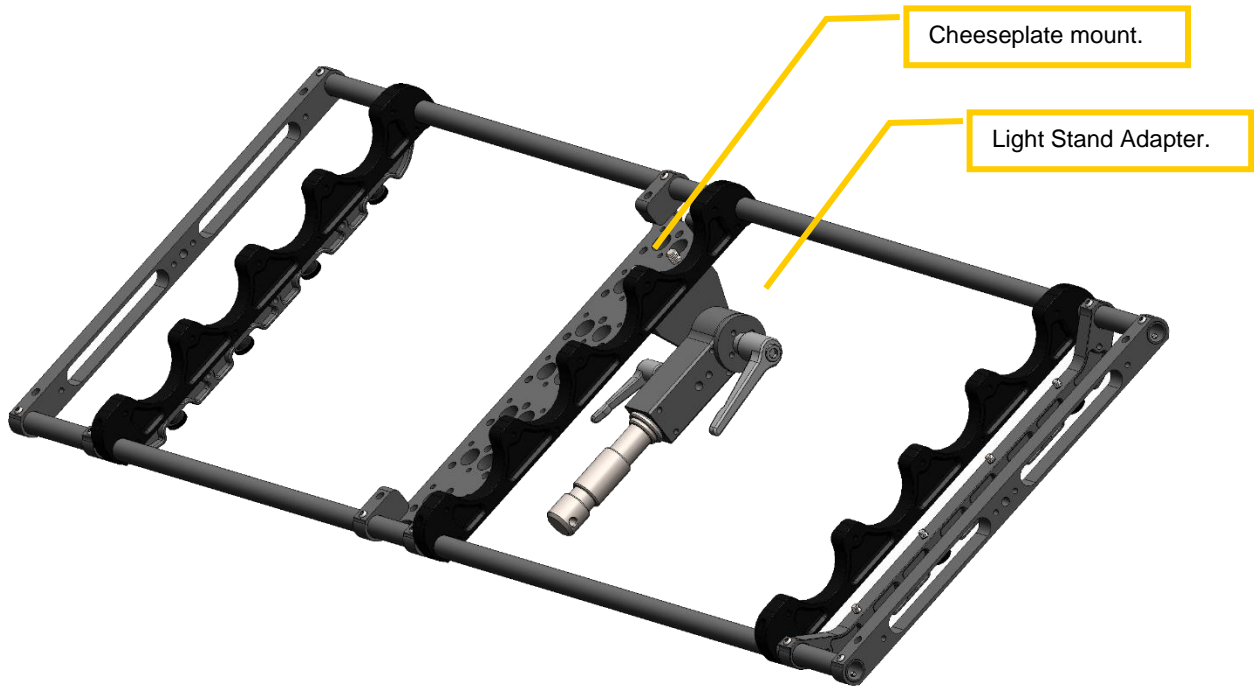
- ✓ **When using the surface cable**, first remove the GMC cap at the end of UT2, as shown.
- ✓ **Similarly, plug in the Power / Command Cable** and assure it is fully seated / tightened for proper seal and operation.

**NOTE** the GMC is a 'dry connect' type. Do not connect or disconnect underwater.

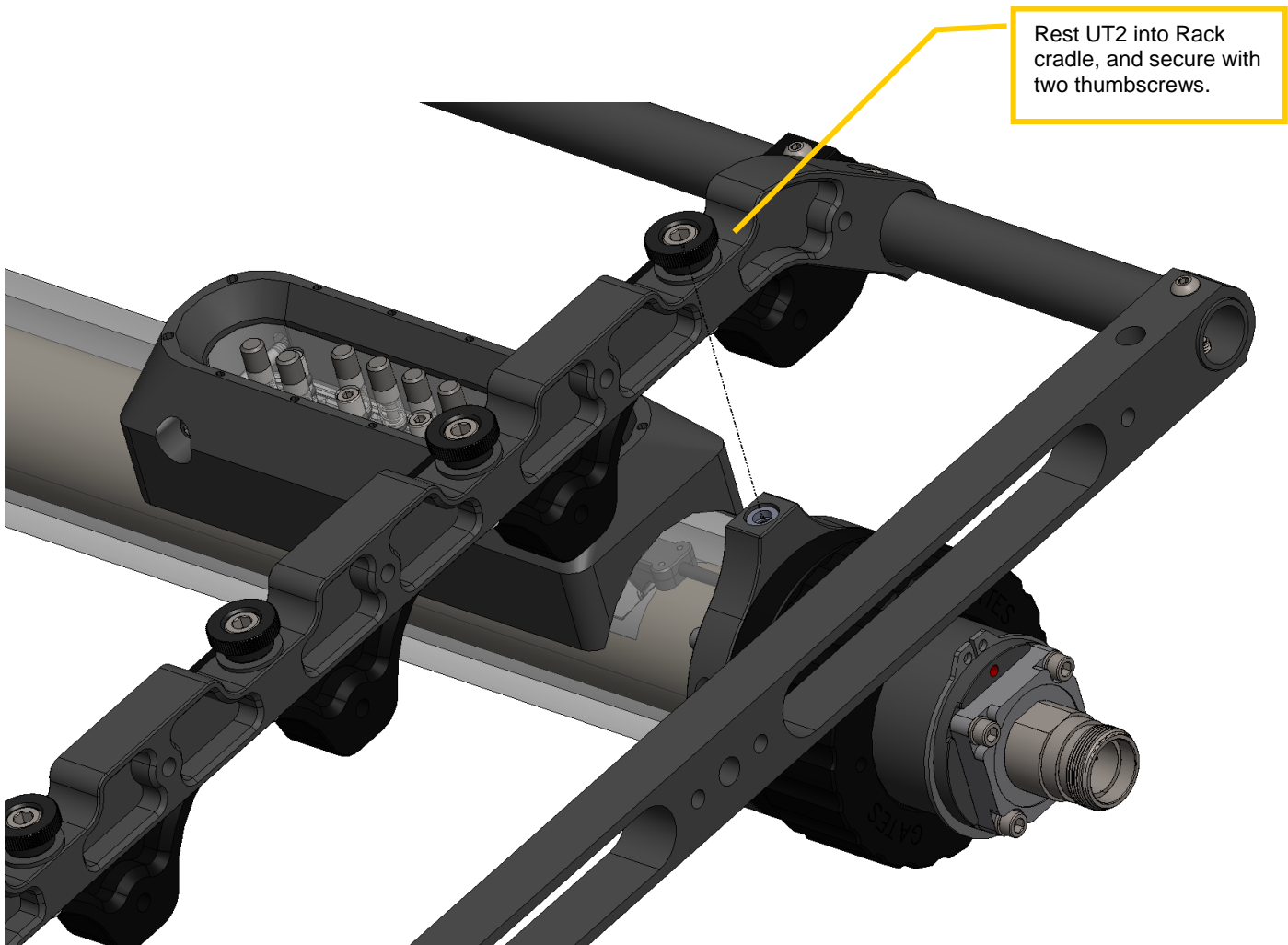


## UT2 Rack

The UT2 Rack mounts four UT2 Housings together to form a 'bank' of lights. On the Center is a cheeseplate for mounting, and the UT2 Rack includes a 'junior pin' receiver for use with any conventional light stand.



- ✓ **UT2 will mount to the rack with two thumbscrews.** Rest UT2 into the rack cradle (refer to image below) and secure with thumbscrews.



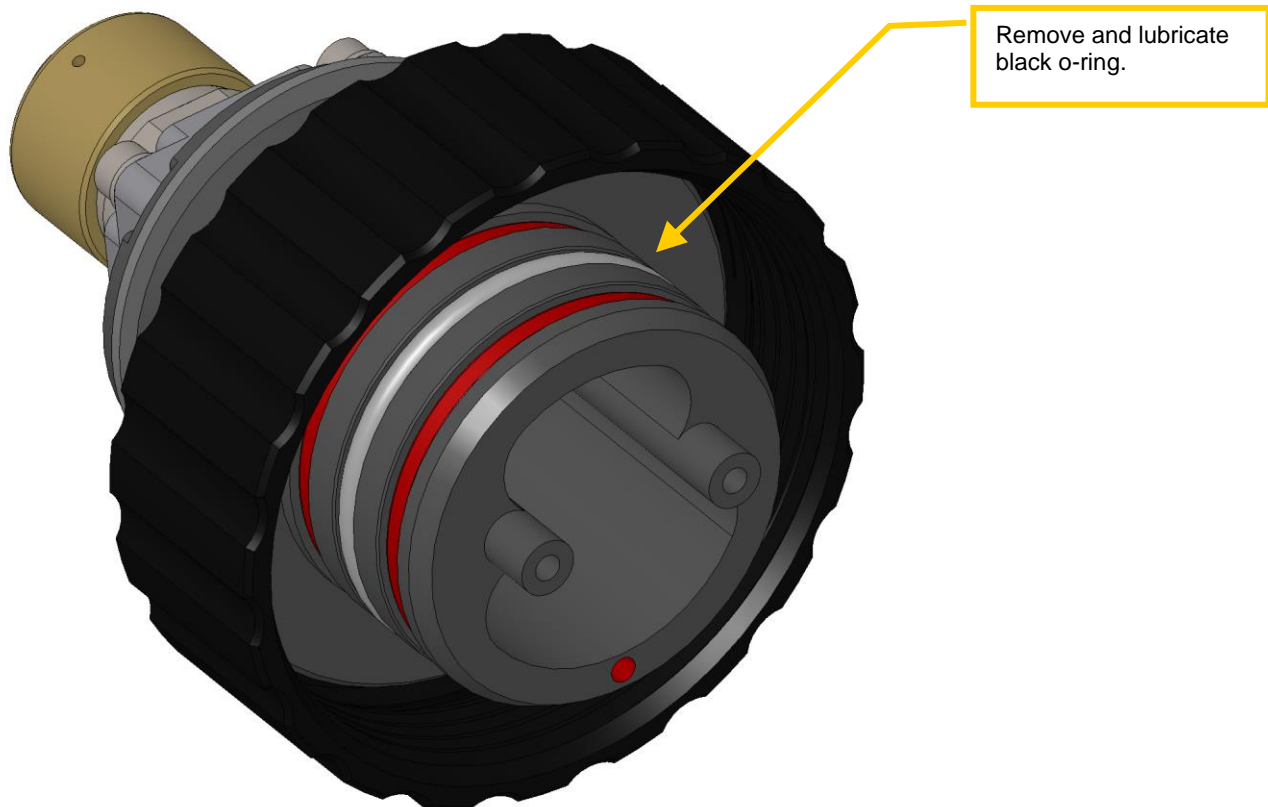
## 6: Maintenance

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### ***O-Rings***

UT2 has only one serviceable o-ring, found on the Pressure Cap. If general usage includes installation and removal of the ASTERA Titan Tube, then lubrication of this o-ring on a regular basis is recommended.

**NOTE** the o-ring is located in one of three locations on the Pressure Cap. One has the black o-ring, the other two are occupied by a red color 'blank'. Return the lubricated o-ring to its original location.



### ***Fresh Water Rinse***

After use, rinse UT2 in fresh water. Rinse thoroughly, particularly after use in salt water. Clean and dry with a soft cloth, and store in a cool, dry place.

## 7: Customer Support

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Should you have any questions about the Underwater Titan Tube, please contact Gates:

Email: Customer.svc@GatesHousings.com  
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