



The Twist Tight in-line connector is waterproof and submersible. To make sure it is assembled correctly, follow the instructions in this document.

REMOVING THE PROTECTIVE CAPS

ENDPOINT side connector

Holding the endpoint side connector as shown, twist the rotating collar *on the connector* counter clockwise (left) to loosen and remove the protective cap. When it is sufficiently loosened, the cap pulls off easily.



Endpoint side connector with protective cap

ENCODER side connector

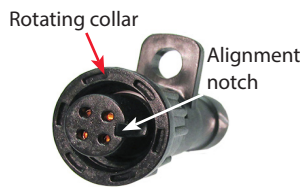
Holding the encoder side connector as shown, twist the rotating collar *on the protective cap* counter clockwise (left) to loosen and remove the cap. When it is sufficiently loosened, the cap pulls off easily.



Encoder side connector with protective cap



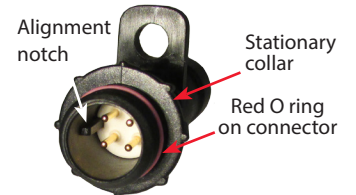
Endpoint side protective cap
PN: 68307-007
side & top views



Endpoint side connector, cap removed



Encoder side protective cap
PN: 68307-008
side & top views



Encoder side connector, cap removed



Figure 1: Twist the collar on the connector



Figure 2: Twist the collar on the cap

JOINING THE CONNECTORS

IMPORTANT

BEFORE JOINING THE CONNECTOR ENDS, MAKE SURE ALL SURFACES, INCLUDING THE THREADS, ARE CLEAN, DRY, AND FREE OF ANY DEBRIS OR DIRT. THIS STEP IS IMPORTANT TO MAKE SURE THE CONNECTOR REMAINS WATER TIGHT AND SUBMERSIBLE.

1. Align the keyed notches inside each connector and gently push the ends together until the endpoint side is fully seated in the encoder side.

NOTE: You will feel when the notches are aligned. When aligned, the connector ends go together easily.

2. Holding one connector end in each hand, twist the rotating collar on the endpoint side connector clockwise (right) until the ends are tightly connected.

IMPORTANT

Do not use tools to tighten the connector ends. Hand tighten only.

When tightly connected, the tabs at the top of the connectors are aligned, and **the red O ring on the encoder side is not visible.** See [Figure 3](#).



Figure 3: Connector ends joined

3. Place the connector assembly inside the security cover (PN: 68319-001). Make sure the tabs rest in the slots as shown in [Figure 4](#).



Figure 4: Connector correctly placed inside security cover

4. Snap the security cover top and bottom together to close it.

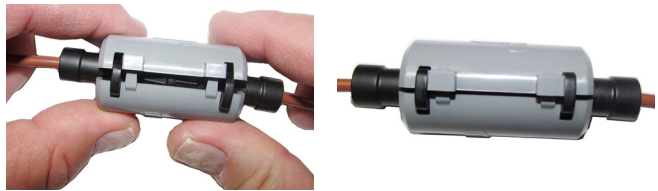


Figure 5: Security cover closed

Assembly is now complete.

REMOVING THE SECURITY COVER

1. To remove the security cover, insert the blade of a flat head screwdriver into the security cover as shown in [Figure 6](#) and twist the blade right and left to pop open each side of the cover.



Figure 6: Removing the security cover

2. After opening, discard the security cover. The cover is intended for single use only.

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