

145405 SmartFirmer 2 Tail Replacement Kit (955923)



Note: During this process you will remove parts to expose the SmartFirmer Module. It is critical that the module is not opened. This will cause the SmartFirmer to lose calibration. The illustration below shows the screws (colored red) that should NOT be loosened. During this process you will remove parts to expose the SmartFirmer Module. It is critical that the module is not opened. This will cause the SmartFirmer to lose calibration. The illustration below shows the screws (colored red) that should NOT be loosened.



Step 1:

Side panel removal and harness from tail

- a: Using a T20 Torx bit, remove the 5 screws on each side panel to remove them from the tail.



- b: Remove the harness from the top of the tail and out from underneath of the retention clip



Step 2:

Loosen barrel nut

- a: Using a T25 torx driver, loosen the barrel nut in the back of the firmer. The barrel nut will not be removed, it will stay within the tail assembly.

As you loosen the barrel nut, the cobalt and sensor should begin to separate from the UHMW cover and the tail



Step 3:

Remove cobalt and sensor assembly

- a: Once the sensor and cobalt are free from the tail, carefully un-route the harness from the tail and remove the UHMW cover and tail.

Note: Strain from pulling on the harness can cause fracturing to the solder joints on the SmartFirmer module



Step 4:

Remove the UHMW cover from the old tail assembly and place the cover on the new tail assembly

**Step 5:**

Slide the sensor assembly onto the new tail. Route the harness and front portion of the cobalt onto the tail first, then rotate the rear of the sensor into position. Make sure the threaded stud on the sensor lines up with the barrel nut in the tail

**Step 6:**

Tighten the barrel nut in the rear of the tail using the T25 torx driver



Step 7:

Finish routing the harness under the retention clip and through the top of the tail



Step 8:

Reinstall the side panels with 5 screws on each side of the SmartFirmer using a T20 torx driver



Installation is now complete