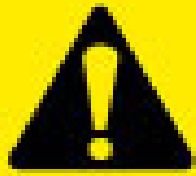


SmartFirmer™

SmartFirmer Tail Replacement

Precision Planting®

SmartFirmer Tail Replacement



CAUTION

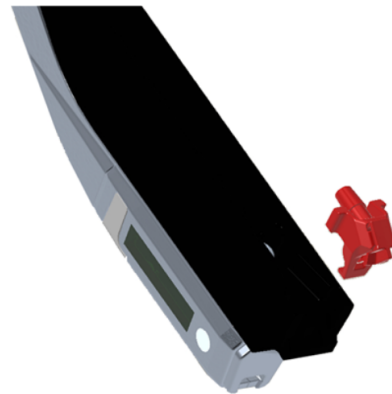
This process will only require for one screw to be removed. This screw is a button head screw that holds the UHMW cover (Black piece located on top of SmartFirmer). Do not remove any other screws, this could cause the SmartFirmer to lose calibration.

Step 1:

Remove Liquid splitter and tubing from the top of the cover for SmartFirmer. To remove splitter use a flat head screwdriver to separate latching tab from cover.

The tab on the splitter can break if too much outward pressure is applied to latching tab.

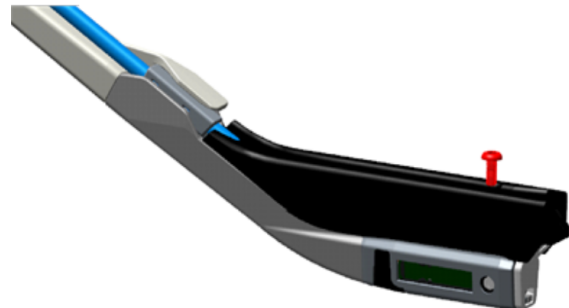
Note: When tab is separated from cover pull upward to remove splitter. This will grant access to the button head screw to remove the cover.



Step 2:

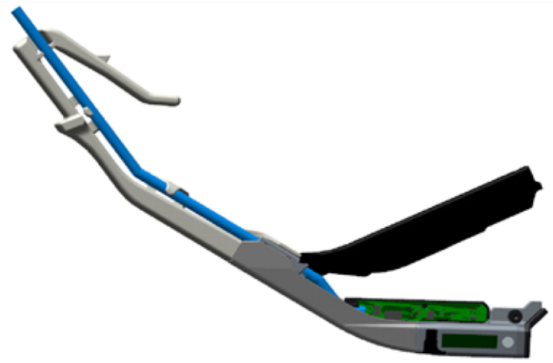
Using T15 bit, remove the button head screw that holds the cover to the SmartFirmer.

Note: Do not loosen any other screws other than the button head screw to remove the cover. If any other screws are loosened, you run the risk of losing calibration in the SmartFirmer.

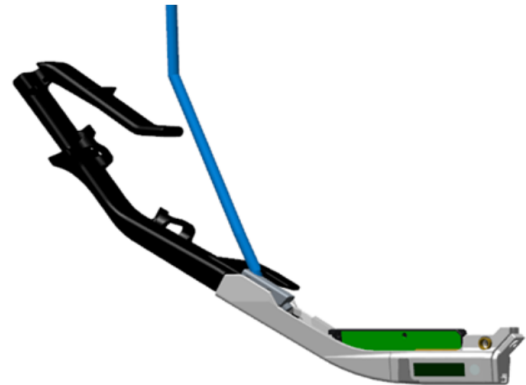


Step 3:

Lift on the rear side of the cover, this will act like a hinge. Once the rear is lifted, pull directly backwards to remove the cover. Sealant can cause resistance to remove cover, it is ok to use a flathead screwdriver to pry up to remove cover.

**Step 4:**

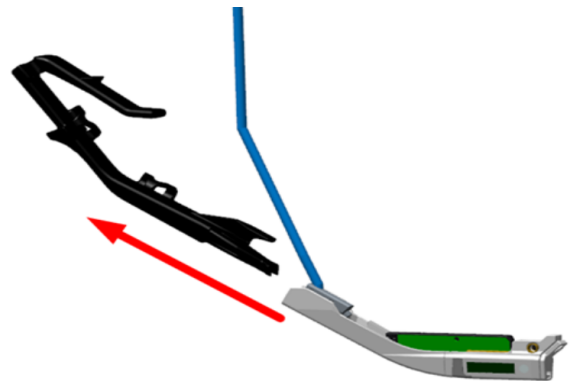
The harness and liquid tubing needs to be removed from the routing clamps that route the harness and liquid tubing up the tail. A flat head screw driver may be used to help relieve pressure from routing clamps.

**Step 5:**

To remove the tail, pull the tail away from the cobalt housing.

Note: It may be necessary to “wiggle” the tail to relieve side tension.

Dirt/debris may be present in the cavity inside the cobalt housing. This is normal and expected. It will help the installation process to remove dirt/debris from this area to ensure the new tail is fully seated. The SmartFirmer Module is protected by the sealant rework and seals in place around the optics/ SmartFirmer Module.

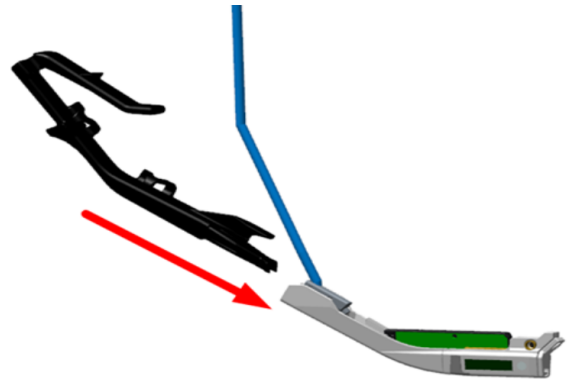


Step 6:

To install new tail, push the tail towards the cobalt housing. The tail will not “click” into place.

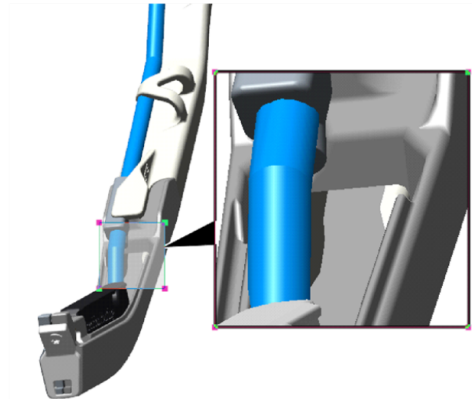
Note: It may be necessary to “wiggle” the tail into place.

The Cover when reinstalled will create side force holding the tabs from the tail in place.

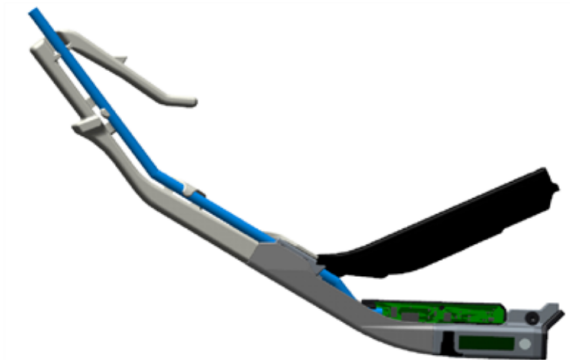
**Step 7:**

Install UHMW Cover: Module wires should be routed to the left (when viewed from rear) side of cover tip. Slide the tip of the UHMW cover into the channel of the SmartFirmer tail.

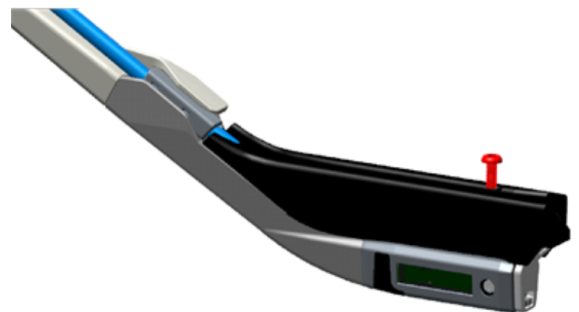
Note: Be mindful to not pinch the wires.

**Step 8:**

Once the tip of the cover is in place, rotate the cover downward.

**Step 9:**

Install the button head screw using a T15 bit.



Step 10:

Reinstall the harness and liquid tubing on the tail and cover.

