

## ACUdraw Cord Installation (HCA-401)

**NOTICE:** This kit includes two (2) 1/8" x .157 Low-head Socket Shoulder Bolts that are to be used on ACUdraw units with blue hubs, or ACUdraw PRO units with red hubs. Follow steps 1a – 22a, on pages 2-3 for units with blue or red hubs.

### Units with Silver or Black Hubs:

1. Remove the two Phillips-head machine screws from each ACUdraw cover, and then remove the ACUdraw covers.
2. Pull the ACUdraw claw and cord all the way out. Attach the claw to the crossbow string.
3. Engage the safety pawl (up position) so the cord will hang loose.
4. Loosen the side screw on each hub (screw where the cord is attached) and remove the cord. **Note:** You can leave one side attached temporarily if you want to use it as a guide.
5. Insert the new cord into the claw.
6. Place the claw with new cord back on the bow string.
7. Thread the first loose end of the draw cord under the roll pin and into its corresponding string guide. Then, thread the cord end through the hub (insert the cord from the inside of the hub, exiting by the hub side screw).
8. Tie a knot in the end of the cord then use a lighter to melt the cord coating. **Note:** Do not make the knot too large or it will rub on the ACUdraw cover making it harder for the cord to retract.
9. Wrap the cord under the hub screw (almost a full circle) and then tighten the screw.
10. Repeat steps 7 – 9 for the other side of the draw cord.
11. Disengage the pawl and make certain the draw cord is wrapping evenly on both hubs. **Note:** If the cord doesn't retract when you disengage the pawl, you may not have enough tension on the power spring or the ACUdraw unit may not be positioned correctly in the stock.

12. Replace both ACUdraw covers and the Phillips-head machine screws. **Note:** Do not over-tighten the cover screws – the cover could crack/break or the ACUdraw cord may bind up and not retract.

### **Units with Blue or Red Hubs:**

1a. Remove the two Phillips-head machine screws from each ACUdraw cover, and then remove the ACUdraw covers.

2a. Pull the draw claw and cord all the way out. Attach the claw to the crossbow string.

3a. Engage the safety pawl (up position) so the cord will hang loose.

4a. Remove the two 6-32 x 3/8" Button-head Cap Screws from each hub cover plate, using a 5/64" Allen wrench.

5a. Use a 1/16" Allen wrench to remove the Low-head Socket Shoulder Bolts holding the draw cord in place. Discard both shoulder bolts after removal.

6a. Insert the new cord into the claw.

7a. Place the claw with new cord back on the bow string.

### **Reinstall the draw cords on each hub.**

**Note:** Do not reuse the Shoulder Bolts you removed in step 5a.

8a. Thread the ACUdraw cord under the roll pin and through the left string guide.

9a. Tie a knot in the end of the cord then use a lighter to melt the cord coating. **Note:** Do not make the knot too large or the hub cover will not seat properly over the cord.

10a. Wedge the knot of the draw cord into the indentation on the side of the left hub. Then wrap the cord counter-clockwise into the groove against the axle.

11a. Use a 1/16" Allen wrench to insert a **new** Low-head Socket Shoulder Bolt into the hole next to the cord knot, and over the cord. **Note:** Make sure to insert the shoulder bolt over top of the cord to anchor it securely into place.

12a. Reinstall the left-side hub cover plate making sure the oval indentation is positioned over the cord's knot. Use a 5/64" Allen wrench to insert the two 6-32 x 3/8" Button-head Cap Screws.

13a. Wrap the cord one time around the hub, counter-clockwise.

14a. Thread the ACUdraw cord under the roll pin and through the right string guide.

15a. Tie a knot in the end of the cord then use a lighter to melt the cord coating. **Note:** Do not make the knot too large or the hub cover will not seat properly over the cord.

16a. Wedge the knot of the draw cord into the indentation on the side of the right hub. Then wrap the cord clockwise into the groove against the axle.

17a. Use a 1/16" Allen wrench to insert a **new** Low-head Socket Shoulder Bolt into the hole next to the cord knot, and over the cord. **Note:** Make sure to insert the shoulder bolt over top of the cord to anchor it securely into place.

18a. Reinstall the right-side hub cover plate making sure the oval indentation is positioned over the cord's knot. Use a 5/64" Allen wrench to insert the two 6-32 x 3/8" Button-head Cap Screws.

19a. Wrap the cord one time around the hub, clockwise.

20a. Disengage the pawl and make certain the draw cord is wrapping evenly on both hubs. **Note:** If the cord doesn't retract when you disengage the pawl, you may not have enough tension on the power spring or the ACUdraw unit may not be positioned correctly in the stock.

21a. Place a cover over one of the side-plates. The draw cord must fit completely inside the slot cut in the front of the cover – do not let the cord become caught underneath the gasket. Insert the cover screws and tighten **just until** the cover is snug. **Do not over-tighten!** Over-tightening the cover screws may crack the ACUdraw or ACUdraw PRO cover or make the unit sluggish when trying to retract the ACUdraw claw.

22a. Repeat step 21a to attach the opposite side cover.