

## Replacing the FFC Cable

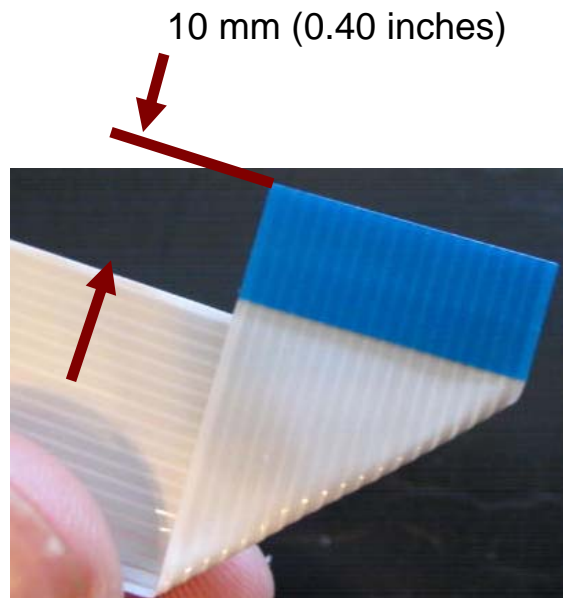
**Step 1:** Start by orientating the cable such that the exposed traces face toward you as shown in Figure 1.

**NOTE:** As you follow this procedure, remember that the cable itself and especially the exposed traces on the end of the cables are extremely delicate. Proceed with each step cautiously. Once the cable is folded it cannot be undone reliably.



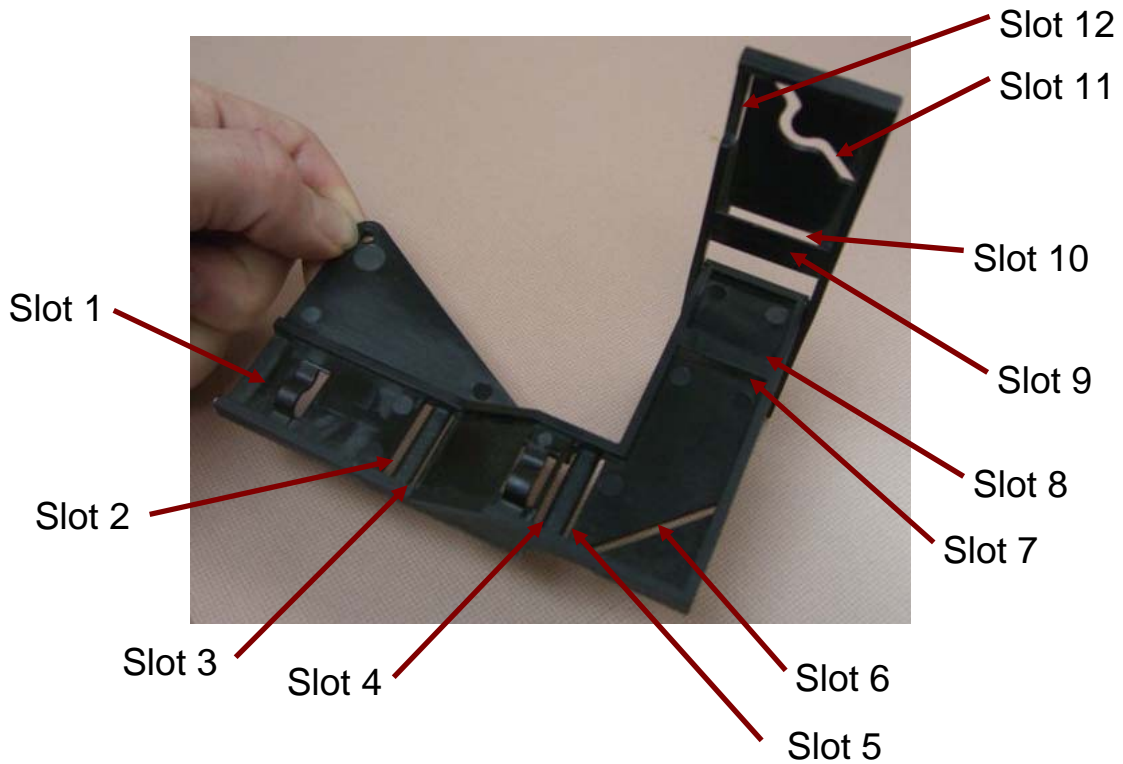
**FIGURE 1:** VIEW OF FFC CABLE END – STRIPPED SIDE

**Step 2:** Fold one end of the cable over the top at a 90-degree angle as shown in Figure 2. The amount of cable overhang required is 10 mm (0.40 inches). For reference the blue stiffener is 10 mm wide.



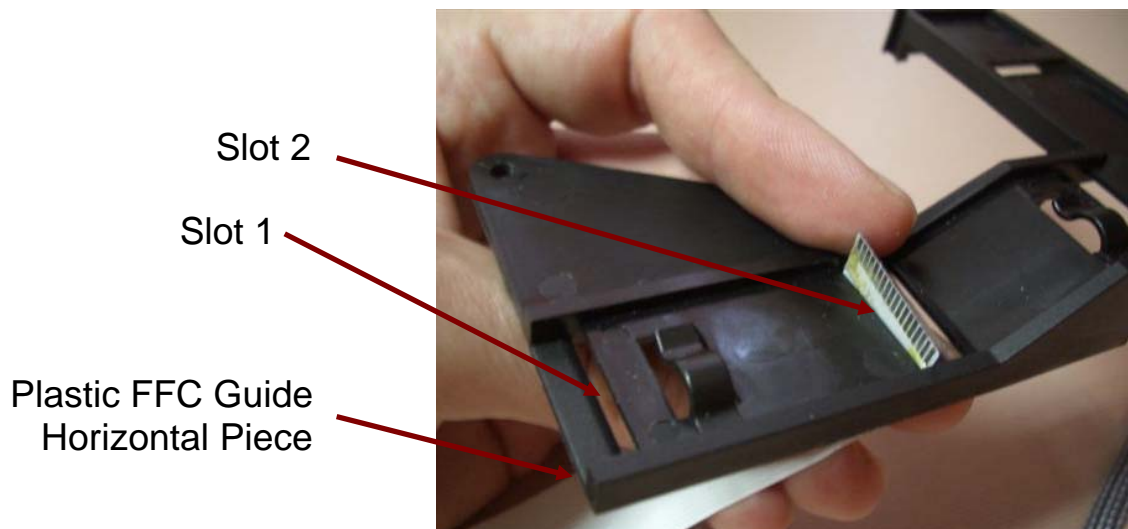
**FIGURE 2:** FOLDING THE END AT A 90-DEGREE ANGLE

**Step 3:** Before you begin to lace the cable, take a moment to familiarize yourself with the locations of the slots on the FFC cable guide shown in Figure 3. These locations will be referred to throughout the procedure.



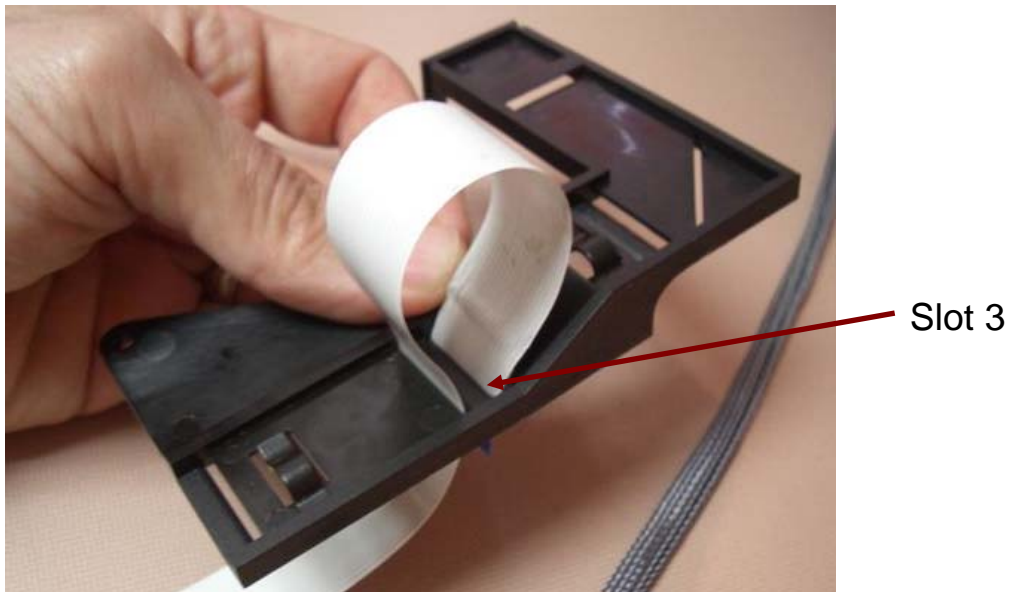
**FIGURE 3:** LOCATIONS OF THE LACING SLOTS ON THE FFC CABLE GUIDE

**Step 4:** Hold the plastic cable guide in your left hand with the horizontal portion facing toward you. Insert the non-folded end of the cable into Slot 2 from bottom as shown in Figure 4.



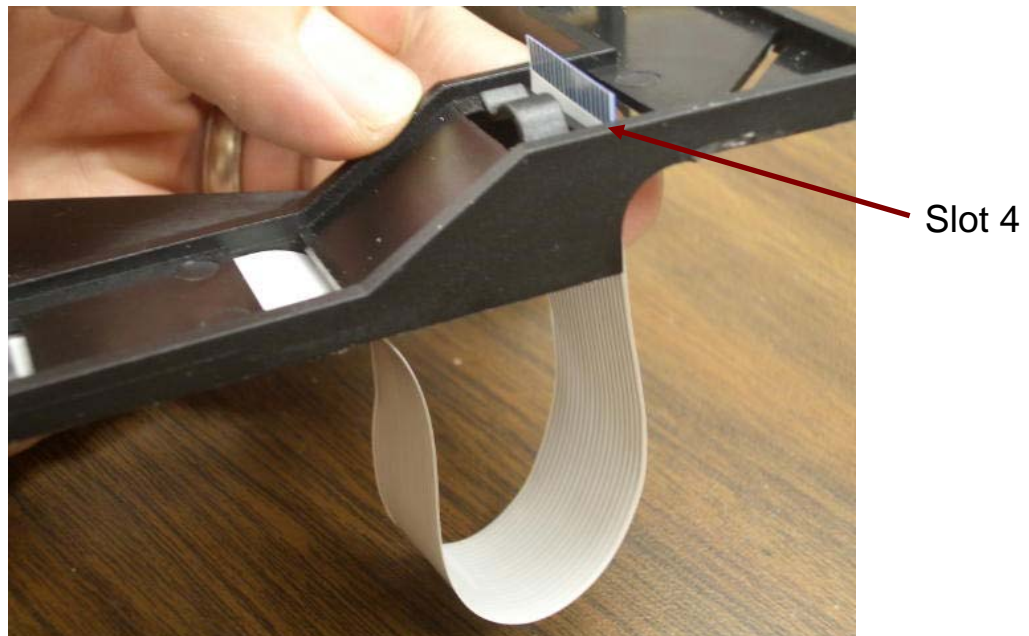
**FIGURE 4:** BEGINNING THE CABLE LACING

**Step 5:** Continue lacing cable into Slot 3 from above as shown in Figure 5.



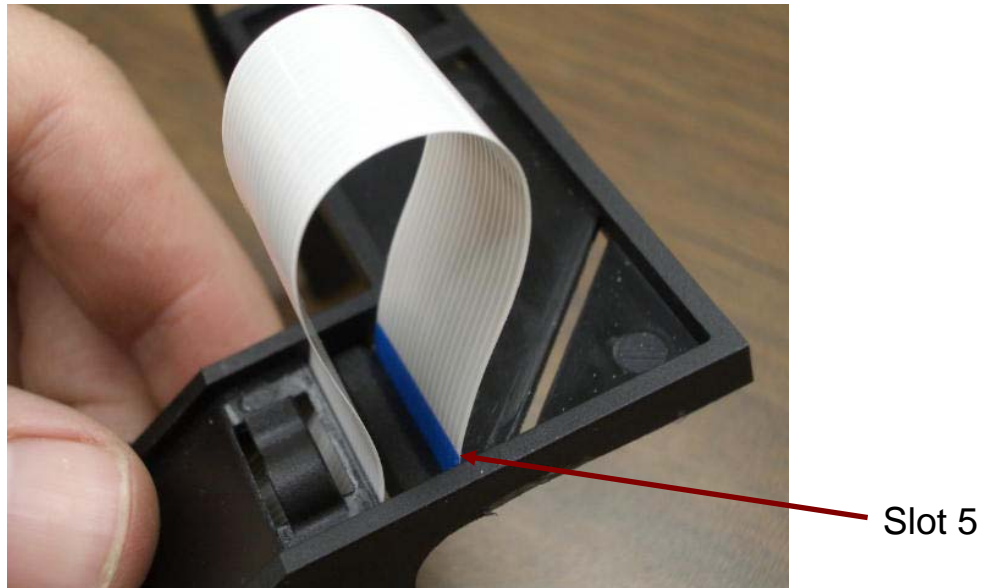
**FIGURE 5:** LACING SLOT 3

**Step 6:** Lace cable into Slot 4 from below as shown in Figure 6.



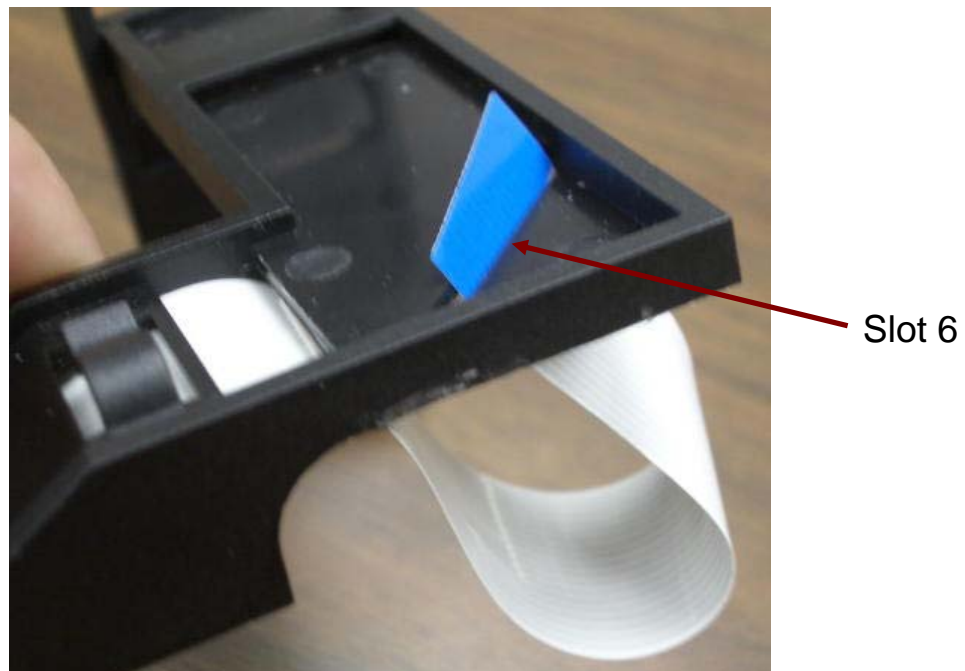
**FIGURE 6:** LACING SLOT 4

**Step 7:** Lace cable into Slot 5 from above as shown in Figure 7



**FIGURE 7:** LACING SLOT 5

**Step 8:** Lace cable into Slot 6 from below as shown in Figure 8.



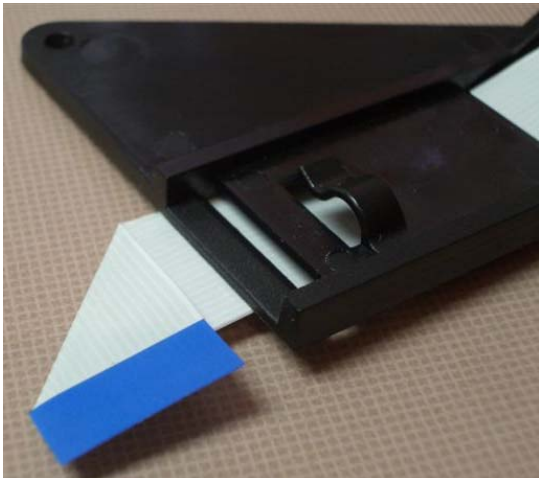
**FIGURE 8:** LACING SLOT 6

**Step 9:** Pull cable tight to eliminate slack as shown in Figure 9.



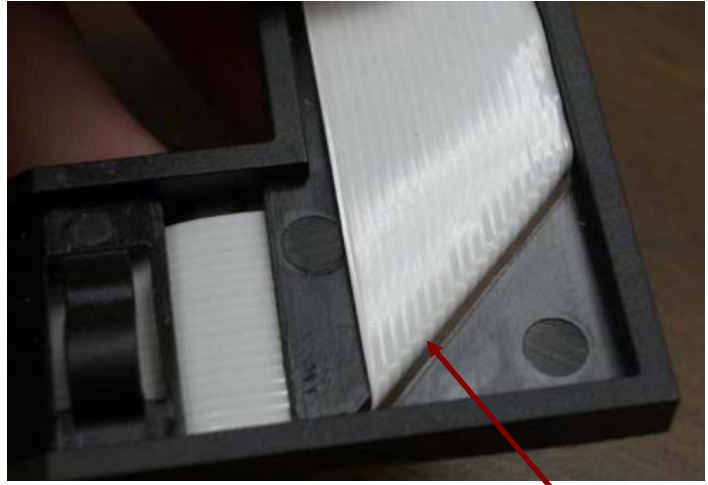
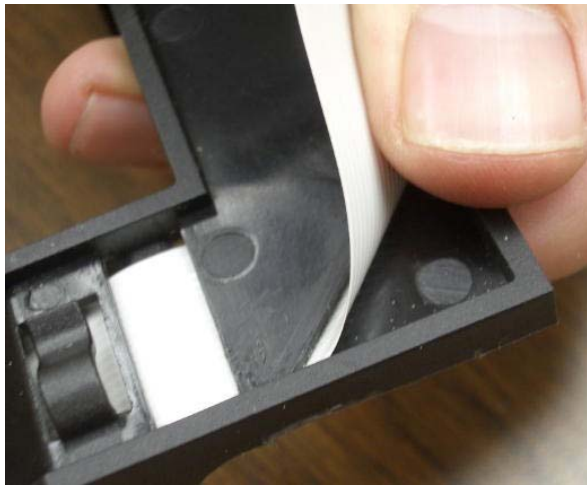
**FIGURE 9:** REMOVING SLACK FROM CABLE

**Step 10:** Pull cable through the guide so that the folded end is positioned 0.10 inches from the end of the guide as shown in Figure 10. **Do not proceed with the cable lacing until this step has been completed. Failure to do so will result in an assembly that will not perform properly.**



**FIGURE 10:** SETTING THE CABLE END POSITION

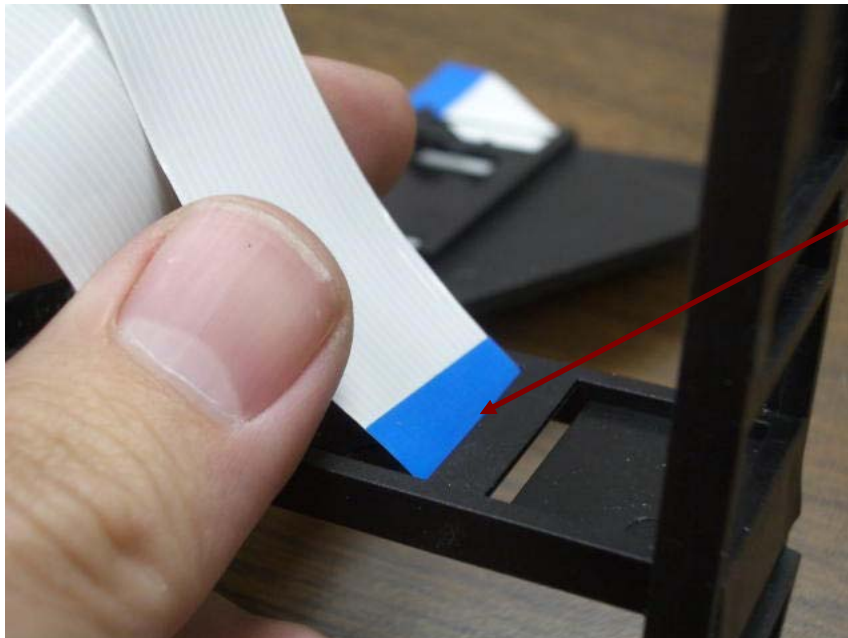
**Step 11:** Fold cable over the top at a 90-degree angle as shown in Figure 11. Crease the cable along the edge of the slot using your finger.



Crease

**FIGURE 11:** FOLDING AND CREASING THE CABLE AT THE CORNER TRANSITION

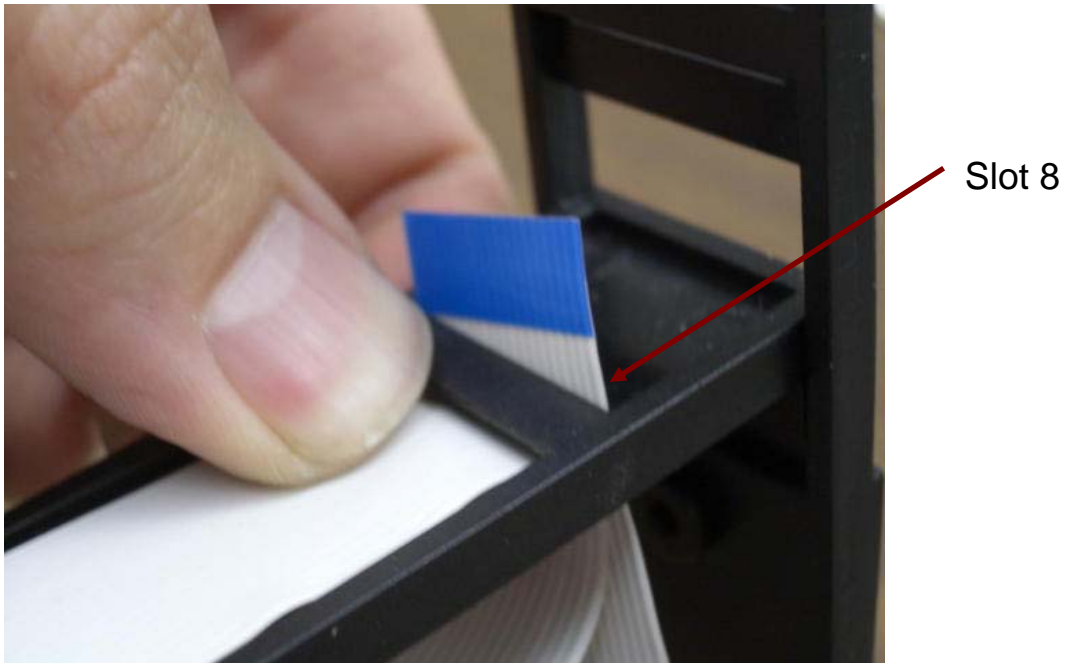
**Step 12:** Insert cable into Slot 7 from above as shown in Figure 12.



Slot 7

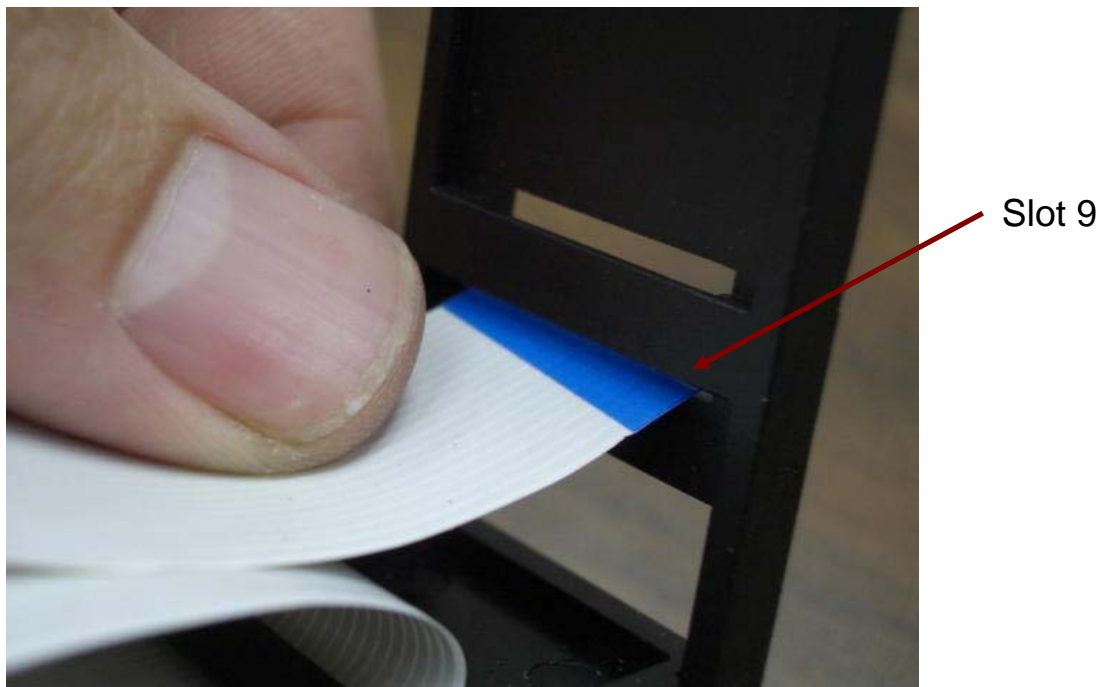
**FIGURE 12:** LACING SLOT 7

**Step 13:** Lace cable into Slot 8 from below as shown in Figure 13.



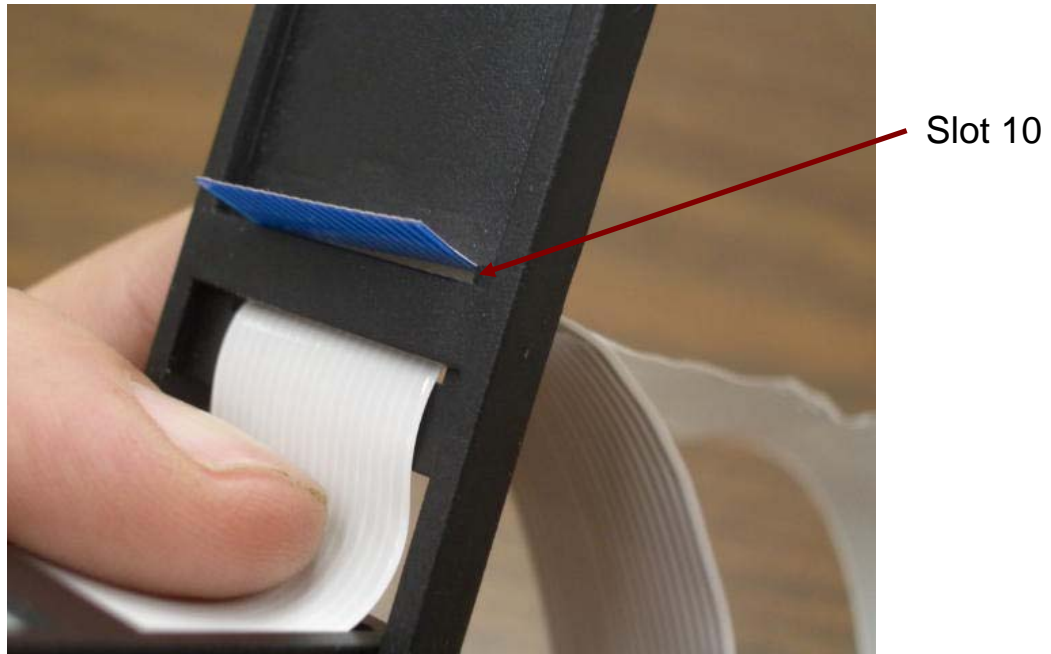
**FIGURE 13:** LACING SLOT 8

**Step 14:** Lace cable into Slot 9 from in front as shown in Figure 14.



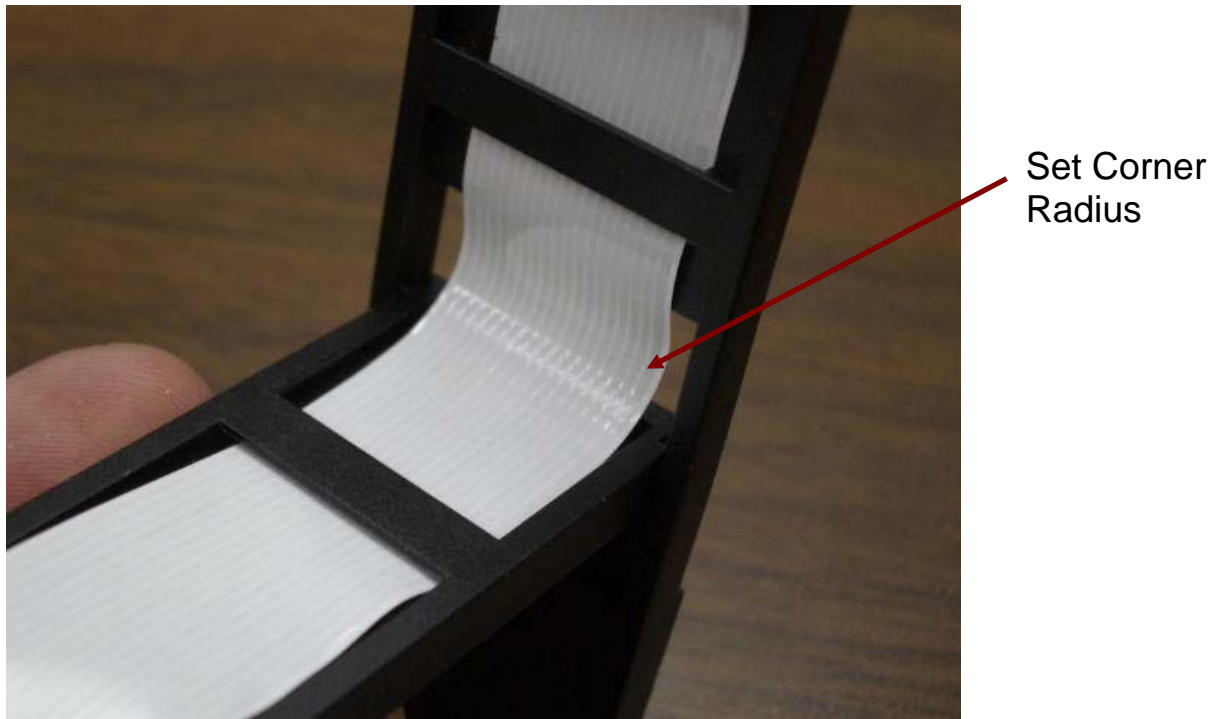
**FIGURE 14:** LACING SLOT 9

**Step 15:** Lace cable into Slot 10 from behind as shown in Figure 15.



**FIGURE 15:** LACING SLOT 10

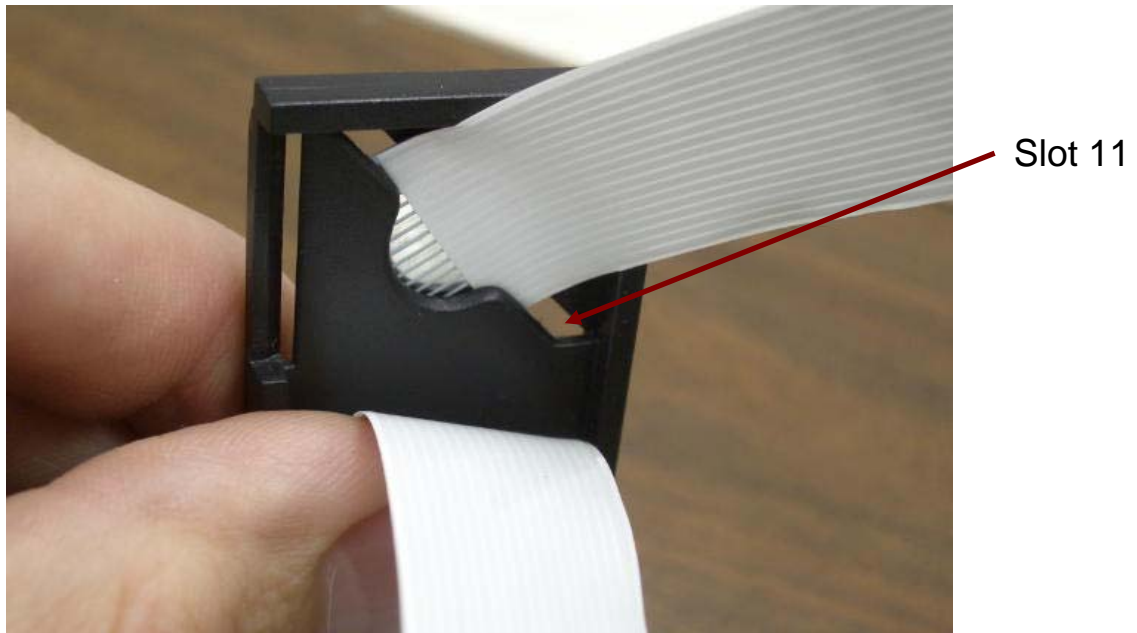
**Step 16:** Pull cable tight to eliminate slack. Push cable into the corner to set a minimal corner radius as shown in Figure 16.



**FIGURE 16:** REMOVING SLACK FROM CABLE AND SETTING CORNER RADIUS

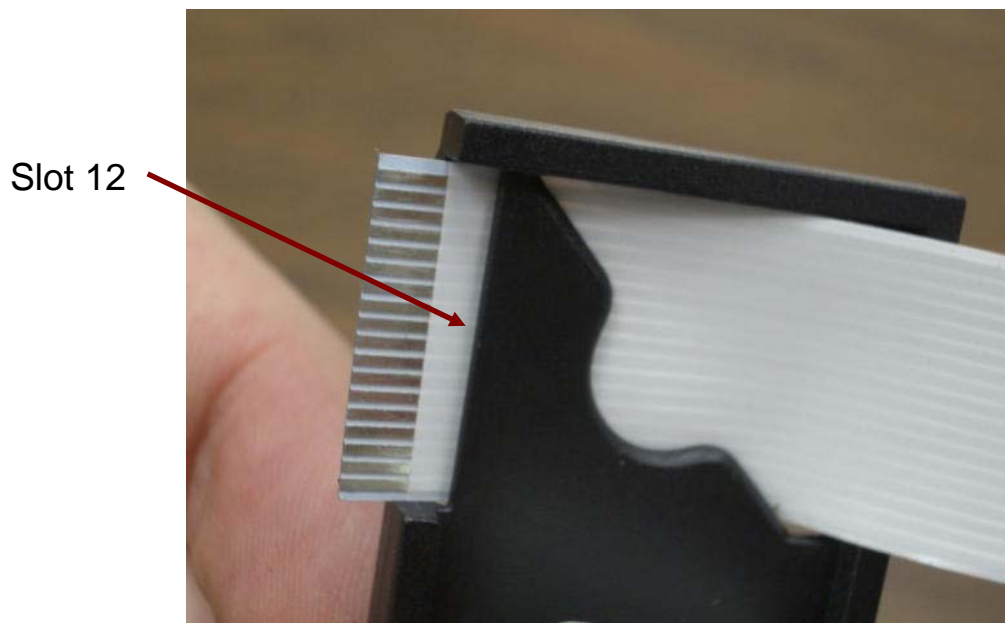


**Step 17:** Lace cable into Slot 11 from the front as shown in Figure 17. Be particularly careful of the exposed traces when lacing this slot.



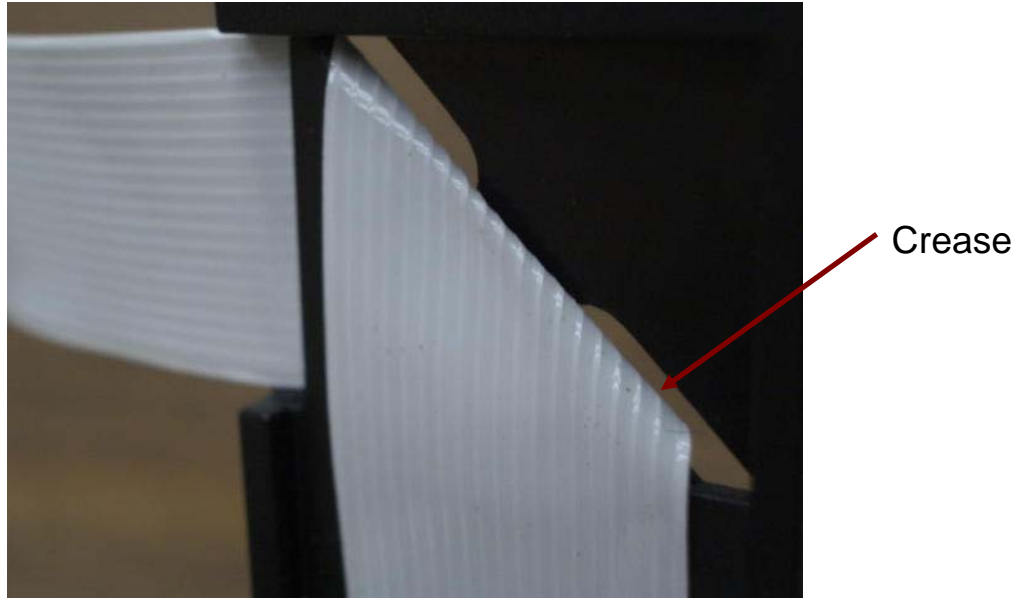
**FIGURE 17:** LACING SLOT 11

**Step 18:** Straighten the cable and insert it into slot 12 from behind as shown in Figure 18.



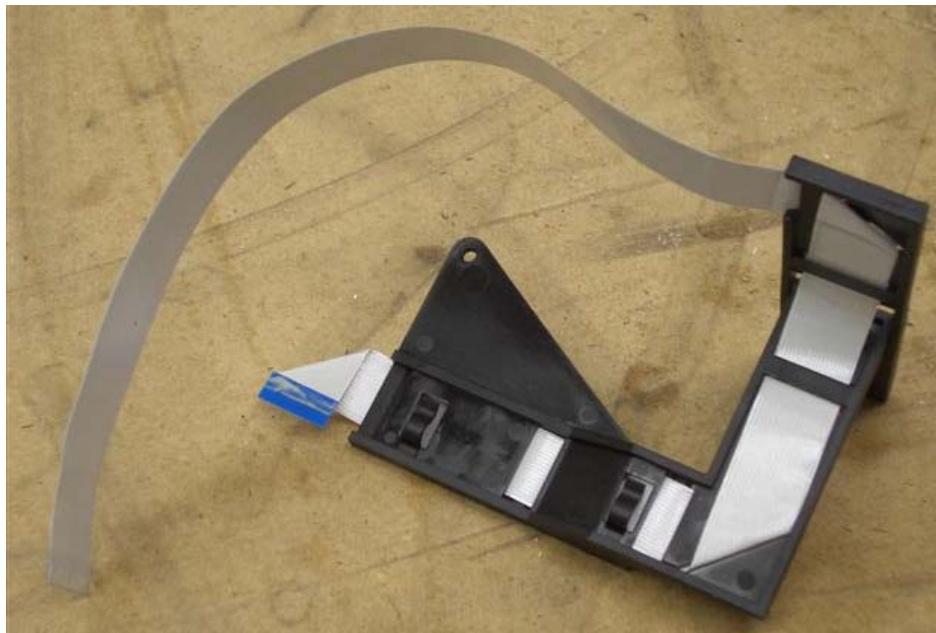
**FIGURE 18:** LACING SLOT 12

**Step 19:** Pull cable tight to eliminate all slack. Make sure that the corner radius is still maintained as in Step 16. Crease the cable along the edge of the slot using your finger.



**FIGURE 19:** FINISHED ASSEMBLY

**Step 20:** Check the finished assembly against the picture in Figure 20.



**FIGURE 20:** FINISHED ASSEMBLY