CreoScitex

VLF Trendsetter AL
SSR Unit Upgrade Procedure

1. PARTS

- Bat wing assembly
- Safety flap
- M6 x 14 button head screws (6)
- Belleville washers (6)
- 5/16” jam nuts (2)

2. TOOLS

- Set of metric allen keys
- 15mm combination wrench
- 7, 12, 13 mm flat wrenches
- pliers
- hammer

3. ADJUST THE PRELOAD

1. Remove the finger rollers and finger guides, if applicable.
2. Peel the rubber seal away from the space between the rollers and the body of the SSR unit.
3. Turn off the air.
4. Disconnect the back of each cylinder from the body of the SSR unit. See Figure 1.

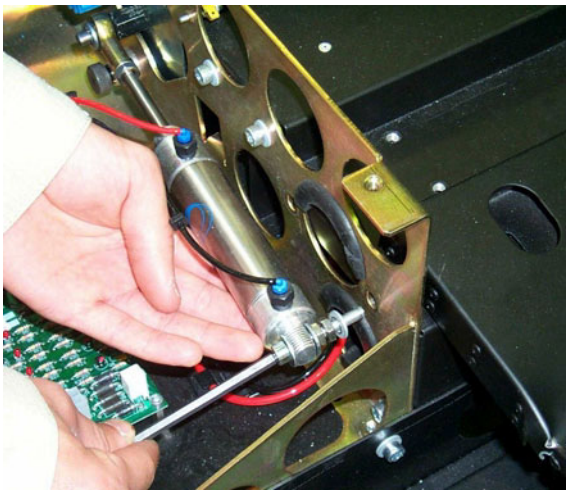
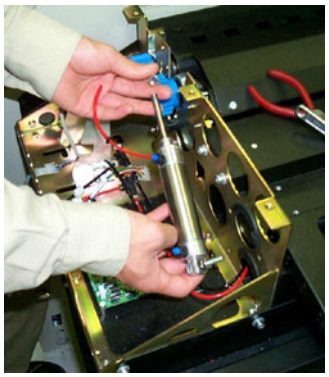
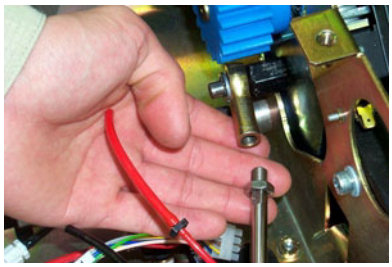


Figure 1: Disconnecting the cylinders

5. Detach each cylinder at the rod end. See Figure 2(a).
6. Add a 5/16” jam nut to the end of each cylinder rod. Turn it until it reaches the bottom of the thread on the rod. See Figure 2(b).



(a) Detaching the cylinder rod



(b) Adding a jam nut to the rod

Figure 2: Adding jam nuts to the cylinder rods

7. Apply Loctite 242 to the threads.
8. Reconnect the cylinder at the rod end, screwing it in to the full length of the thread.
9. Reattach the back of the cylinder to the body of the SSR unit. Lock it securely with two nuts, using one of them as a jam nut.
10. Extend the length of both cylinder rods evenly until there is no visible clearance between the tires on the two blue rollers.
11. Rotate the cylinder rods out a further 1 to 1.5 turns to preload the rollers. This typically creates a gap in the middle of the rollers, which is acceptable. Check that the gap disappears at the 8th blue tire on each side, counting from the outside.

    Note: Do not extend the rods any further or the rollers will bend excessively.
12. Turn on the air.

13. Open and close the rollers a few times, then leave them in the closed position.

14. Cut a few strips of slipsheet paper, about 1” wide and 1ft long.

15. Slide a strip between the rollers in the middle of the unit, then move the strip towards the outside in both directions. Mark the blue tire where the paper sticks or tears in each direction. See Figure 3.

16. Check that the distance from the centerline to the marked tire is exactly the same on each side of the roller unit. Normally it is 9 tires, counting from the outside.

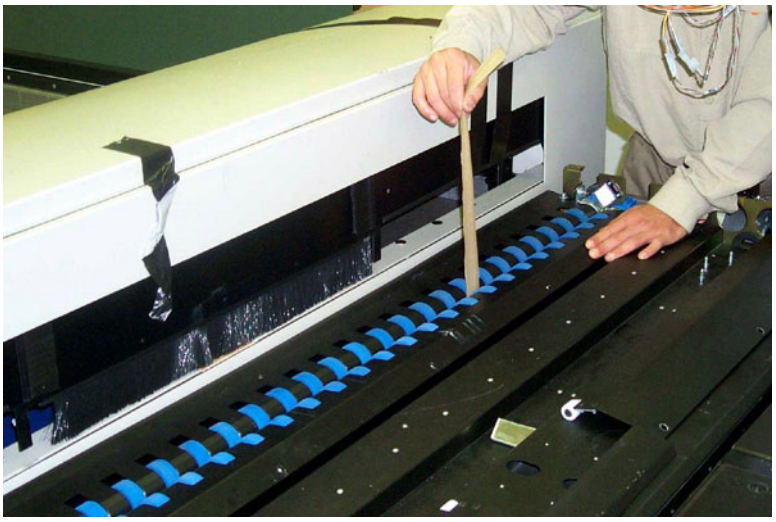


Figure 3: Testing for paper sticking

17. If necessary, adjust the length of the cylinder rod on one side until the clearance is even and the matching roller on each side has the same preload.

    Note: It is important to get the preload even so that the slipsheet will be pulled evenly on both sides. This will prevent wrinkles from accumulating and causing jams.

18. Lock the jam nut tightly against the rod end.

4. INSTALL THE BATWING

See Figure 4 for an illustration of the batwing.

1. Remove the 6 screws and washers holding the shroud of movable rollers.

2. Attach the batwing using the M6x14 button head screws and Belleville washers provided. Before tightening the screws, push the bottom of the wing and the roller shroud up using the handle of a hammer. See Figure 5.



Figure 4: Batwing and safety flap

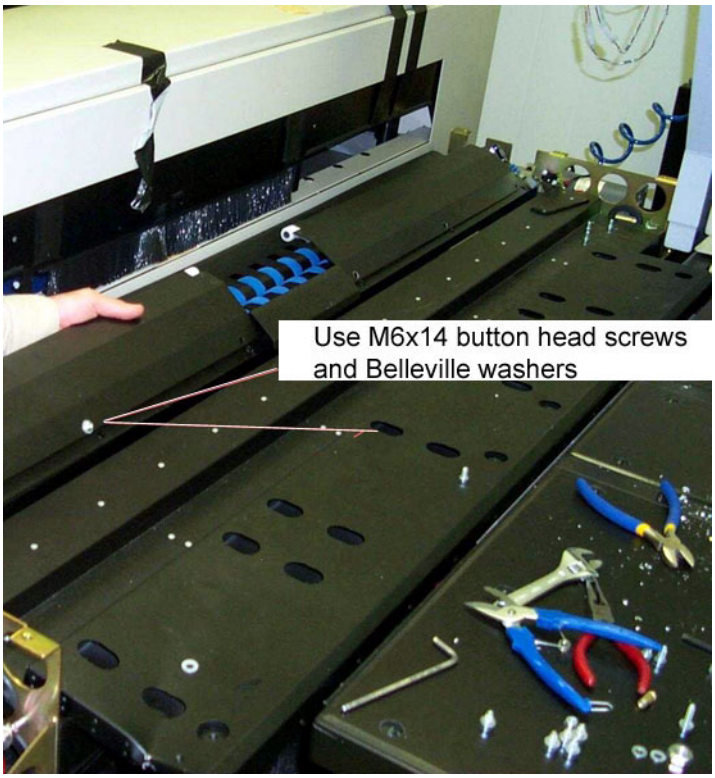


Figure 5: Installing the batwing

3. Close the rollers.

4. Check that both small rollers are pressing equally on the large rollers (the ones with blue tires). Lift each small roller slightly using your small finger and compare the lifting force required. As a second check, lift each small roller and put a strip of slipsheet paper between it and the large roller. Pull on each strip to compare how tightly they are held.

5. Open and close the rollers a few times.
   The red light on the sensor should stay on each time the rollers close. If it doesn't, the batwing is blocking the beam.

6. If the batwing is interrupting the sensor beam, close the rollers and adjust the position of the sensor as follows:

   a) Loosen the plastic nut that holds the sensor in the bracket. See Figure 6.

   b) Move the sensor around the oversized hole in the bracket, turning it around its own axis until you find the spot where the red light comes on.

   c) Retighten the plastic nut.

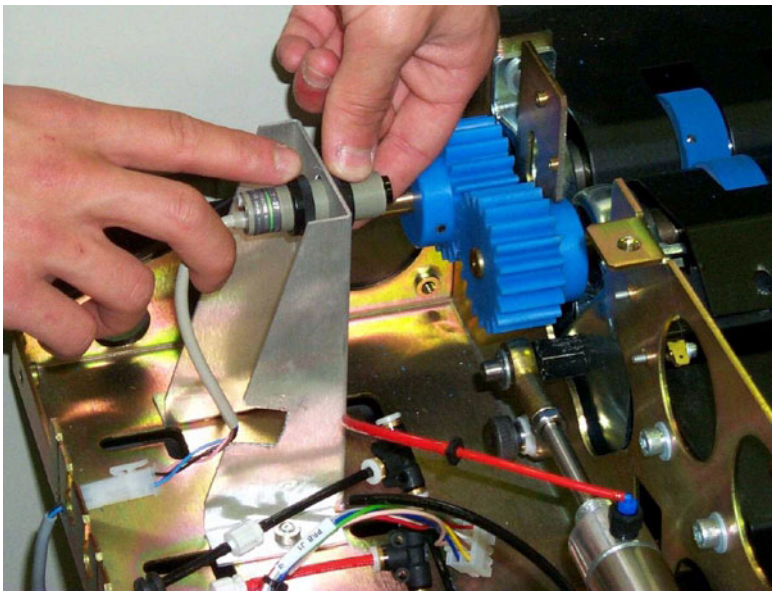


Figure 6: Adjusting the sensor

7. Check that the screw attaching the slipsheet removal unit to the ledge of the MCU is in place. Tighten it.
8. Check that the picker centerline is aligned to the centerline of the slipsheet removal unit. Any misalignment can cause the small rollers to miss the slipsheet, which will then wrap around the rollers and jam.

5. INSTALL THE SAFETY FLAP

See Figure 4 for an illustration of the safety flap.

1. Remove the 3 front screws from the arborite top of the main body of the slipsheet removal unit.
2. Slide the safety flap between the arborite top and the main body of the slipsheet removal unit. See Figure 7.
3. Perform a slipsheet removal to check that the paper moves through the unit evenly and flatly on both sides of the centerline of the roller mechanism.

   If the slipsheet pulls to one side or wrinkles up on one side, release the tension on that side.

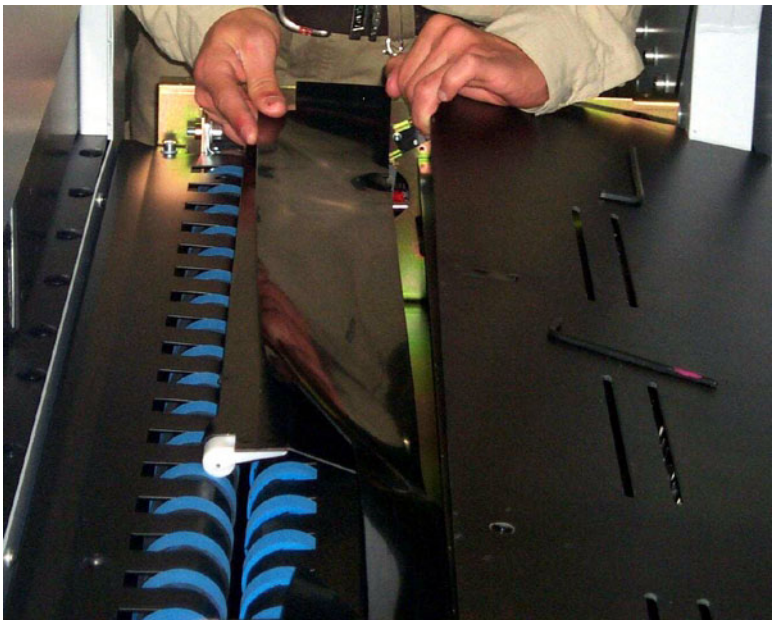


Figure 7: Installing the safety flap