Adjusting the Unload Table Frame

Context

- ☑ Trendsetter 3244 Autoloader
- ☑ TS2637 AL for newspaper

Background

The height of the unload table frame depends on the position of the pivot pin in the pivot end plate (see Figure 4). You want to position the unload table so that the furthest point is about 1 inch from the conveyor belt and about 1/2 inch higher.

The conveyor can then be rotated upwards should the conveyor belt need servicing. And with the unload table 1/2 inch higher, the edge of the plate doesn't crash into the belt bending the plate edge.

Steps

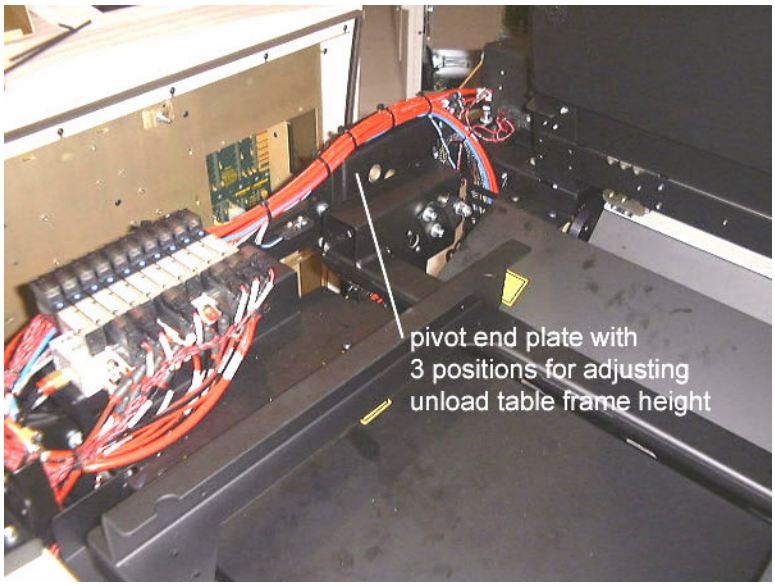


Figure 1: Pivot End Plate

Changing the position of the pivot pin involves repositioning the unload table cylinder as well.

1. Take the side covers off.
2. Raise the unload table and support it with a large diameter (10cm) allen key inserted in an unused pivot hole.
3. Turn off power to the output device and shut off the system air.

1. Remove the 4 x 6mm screws that hold the back of the unload cylinder to the frame. See Figure 2.
   If you have a 3230 base, you'll have to remove the cards from the card cage to access the rear cylinder bracket mounting bolts.

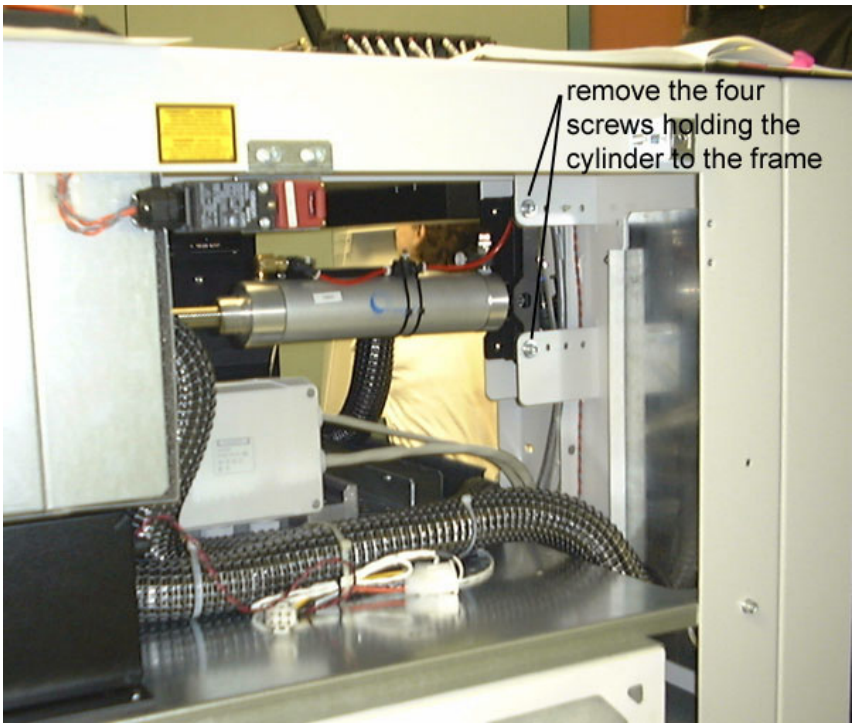


Figure 2: Unload cylinder with the unload table down

1. Next move the pivot pin and bracket assembly (see Figure 3). First undo the two screws holding the pivot pin bracket to the frame. The pivot pin then slides out of the frame.
2. Relocate the bracket assembly and pivot pin to the required hole. Note that the bushings can tilt up to 5 degrees to make pivot pin insertion easier. Reattach the bracket.

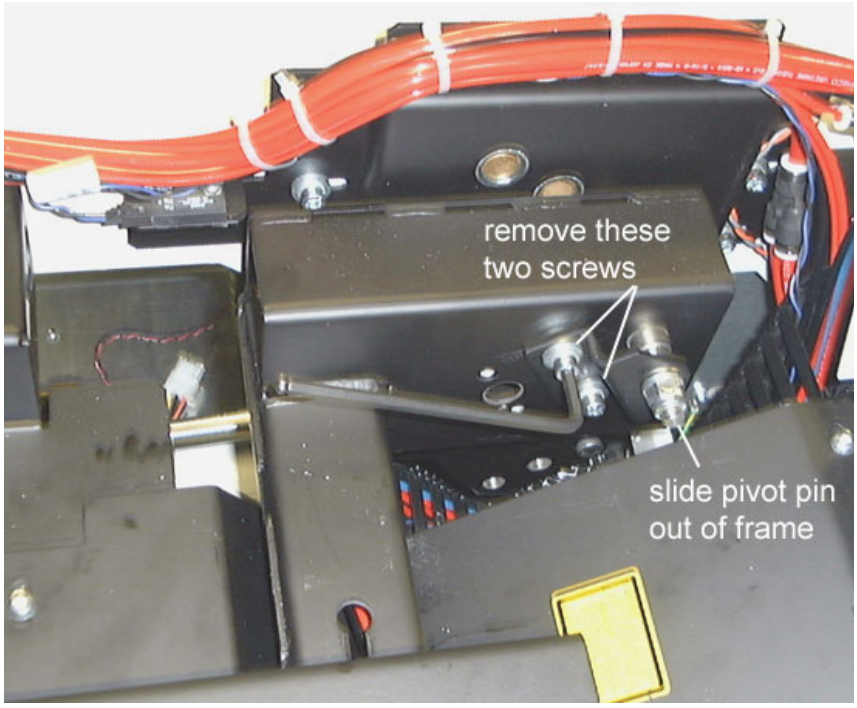


Figure 3: Moving the pivot pin and bracket assembly

1. On the RH side with the table in the up position, move the rod end of the unload cylinder to a hole that corresponds to the new pivot pin location. (I.e., if you moved the pivot pin one hole towards the back of the machine, then move the rod end one hole towards the back of the machine).

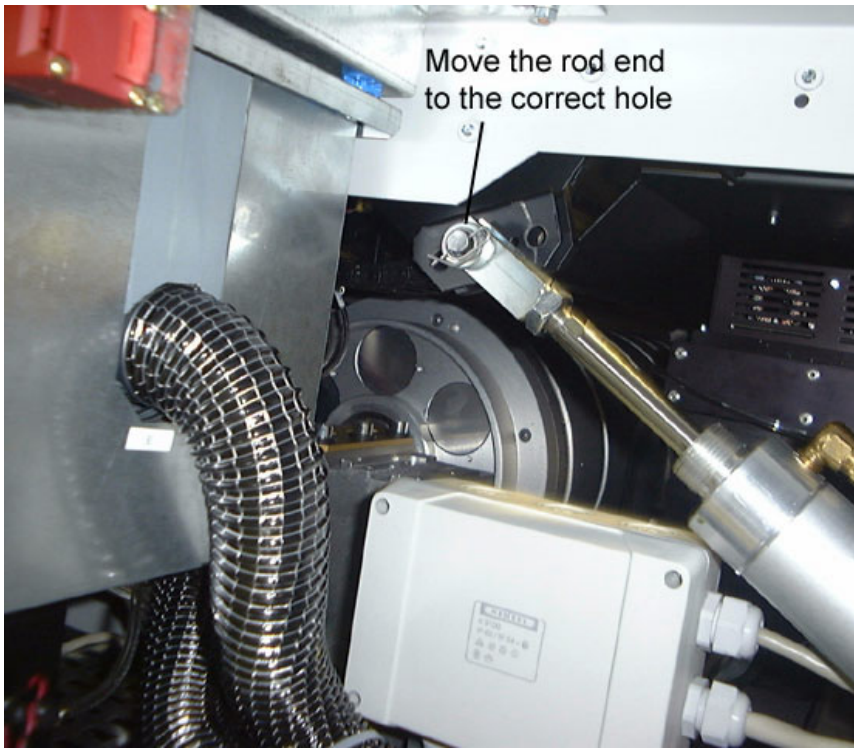


Figure 4: Unload table cylinder rod end adjustment

2. On the LH side, you need to temporarily reconnect the back end of the unload cylinder using the top screw closest to the engine.
3. Lower the unload table and move the rod end to the same position as the RH side.
4. Reattach the back end of the unload cylinder on both the RH and LH side of the machine. Note that there may be black electrical tape blocking the holes on the outside.

   Move the four screws to a location that corresponds to the new location of the pivot pin. (I.e., if you moved the pivot pin one hole towards the back of the machine, then move the cylinder one hole towards the back of the machine). See Figure 2 for placement of the screws.