Adjusting the load ramp

Background

The load ramp adjustment is extremely important for proper Autoloader function. Even though the adjustment is a part of the entire Autoloader Adjustment Procedure, it can be checked separately using this procedure.

Context

☑ Trendsetter 3230 (TS4 Version) Autoloader

Special Tools

- Load Ramp Jig
- Electronic Level



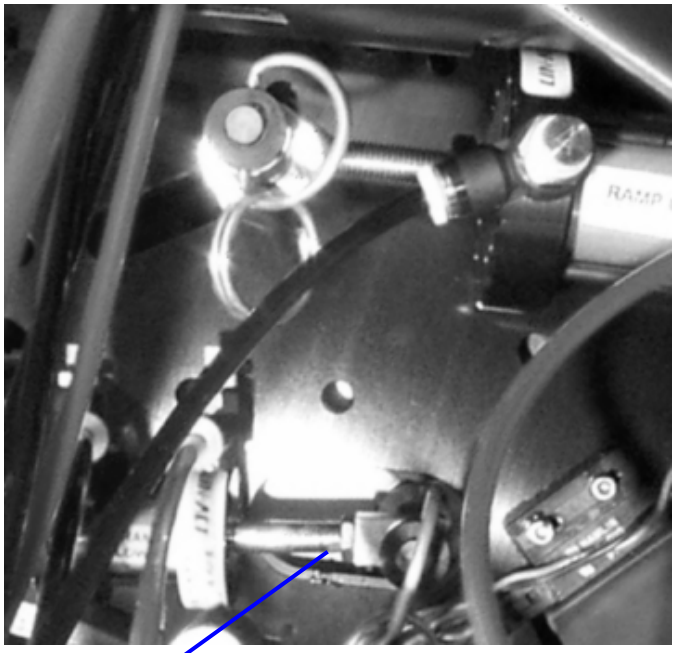
WARNING: Failure to follow the safety policies and procedures for field engineers may create a dangerous situation that could result in serious injury as well as damage to the output device. For more information, see: http://techplanet.creo.com/output/computer_to_plate/all_ctp/nav/safety.htm

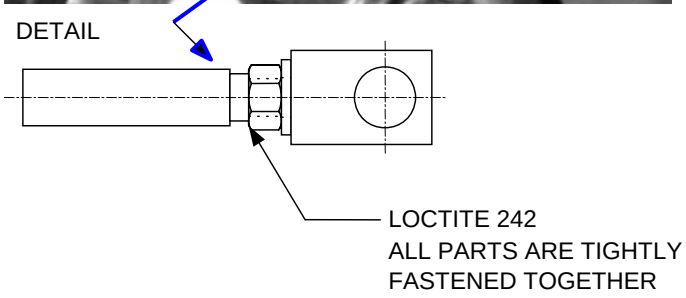
Steps

1. Check that the frame is level within 0.2 degrees from front to back by placing the level on top of the fan box and power box enclosure.

   Correct if necessary (Use the Autoloader Leveling procedure from http://intranet.creo.com/support/html/trendsetter_AL/proced.htm

2. You need to align both the top and bottom ramp cylinders (as shown in the following photo):





To align the top ramp cylinder:

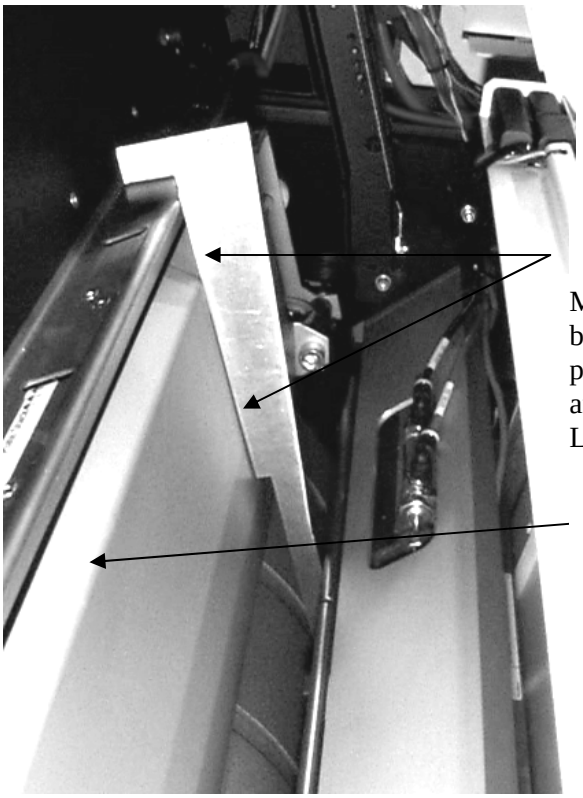
- Check to make sure that the left and right cylinder can travel unrestricted within the end plate slot from one limit to the other
- Make sure travel is limited by overall slot width not by cylinder rod end alignment

To align the bottom ramp cylinder:

- Check to make sure that both left and right cylinders are aligned as per the original base Trendsetter alignment on the right side as indicated on Ramp Bottom Cylinder illustration and preceding photo. Make sure that M4 Jam nut and M4 Flat Washer are tightened, and also the M4 Jam Nut is tightened against the Plunger. If further adjustment is necessary as a result of actual measurement described in step 4, the Cylinder Rod End can be adjusted by loosening the M4 Jam Nut. The Rod End can either be extended from the Plunger, or shortened by removing the M4 Flat Washer.

3. Enter the `ramp out` command at the diagnostic monitor.
4. Place the Load Ramp jig on the Load Ramp so that the top portion of this jig is suspended from the Plate Ledge and slightly pressed towards the

Load Ramp. The bottom portion of the jig should be tangent with the drum if the alignment is correct. (see photo below).



5. Tolerance should be 2mm from one side to the other (left to right) and load ramp should be parallel to the drum.

   If the load ramp alignment is not correct when checked with the jig, adjust top and bottom ramp cylinders as necessary as indicated in step 2 above.