Plate bay hinge inspection and replacement

Applies to

☑ Trendsetter Autoloader
☑ Trendsetter News

Background

The hinge that supports the plate bay door is subjected to heavy loads that can lead to excessive wear on the hinge pin causing premature failure. This should be inspected on all machines. This document has guidelines for inspection and replacement.

Tools and parts

- Hinge left #59-3292
- Hinge right #59-3291
- Ball studs #55-0199 (qty. 2)
- NSK #1 grease

Steps

To inspect the current hinges and ball studs:

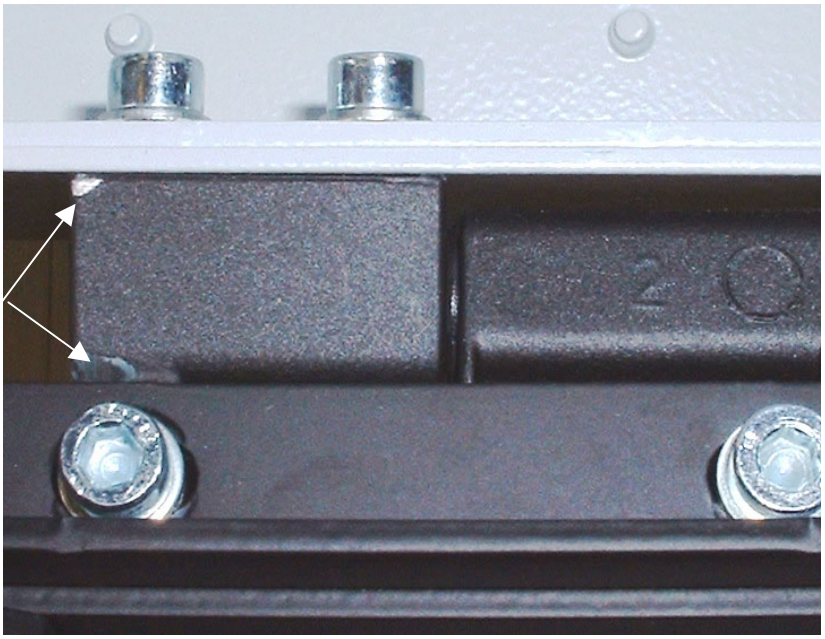
1. Open the plate bay door.



Hinge locations

2. Inspect the hinge on the rotating portion for damage on the outside paint.
   The pin inside the hinge can wear which causes the outside to touch the nearby components and damage the paint. See photo below.

Paint rubbed off due to worn out hinge pins.



3. Check to see if the screw that attaches the hinge is loose. If the screw that attaches the hinge to the plate bay door is loose, replace the hinge.
4. Inspect the hinge pins by removing the rotating section of the hinge. If the pins shows signs of wear, replace the hinge. See photo below

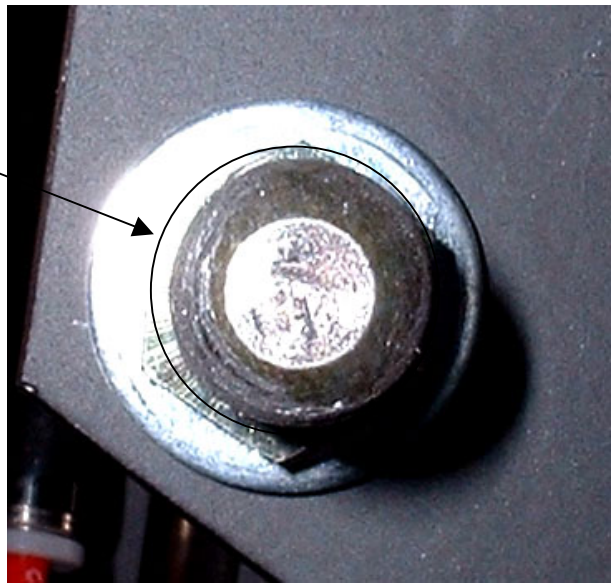




5. With the plate door open, push and pull sideways on the support struts to see if you can pull the strut off the ball stud without removing the spring clip.
6. Inspect the ball stud for wear.

   Pay particular attention to the “roundness of the ball end. See photo below.

Note how much metal has worn away on this side! (Circle for reference)



7. If you are at all unsure of the condition of the hinges or ball studs, replace them.
8. On new or old parts, put a coat of NSK grease on the hinge pins and ball studs before reassembly.

Technical contact	Doug JefferyT
Date submitted	9-Mar-04
Date modified	12-Mar-04