

HINGE TIGHTENING

Books needing hinge tightening are loose in the joint area, with the layer of endsheet and mull detached from the hinge of the case. The case is always intact for this treatment, though minor cover repairs may be called for. The cloth hinge, or mull, must be intact.



TOOLS YOU'LL NEED:

- sport bottle of PVA
- #1 knitting needle or wooden skewers
- wax paper strips
- bone folder
- glue brush
- brass edged boards
- book press

DIRECTIONS:

1. Begin by reading the triage flag. Hinge tightening will be circled, along with any other special instructions such as cover repairs, paper repair, photocopy or tip-in. Please see the corresponding sections of this manual for these instructions.
2. Stand book on table with joint open.
3. Insert knitting needle into sport bottle, remove it with a thin coating of PVA, and insert into open joint.



4. Twirl around to apply glue in this hinge space, being careful not to get any glue on the spine. Turn book upside down and repeat.



5. Wipe off any excess glue at head and tail. Insert wax paper strip to prevent pastedown and flyleaf from sticking to each other.



6. Begin to close cover, pushing board into joint, exerting pressure vertically or towards fore-edge. It may be helpful to smooth the pastedown into place with fingers or bone folder.



7. Close cover, and gently rub hinge with bone folder. Repeat steps 3-7 on other hinge, if necessary.



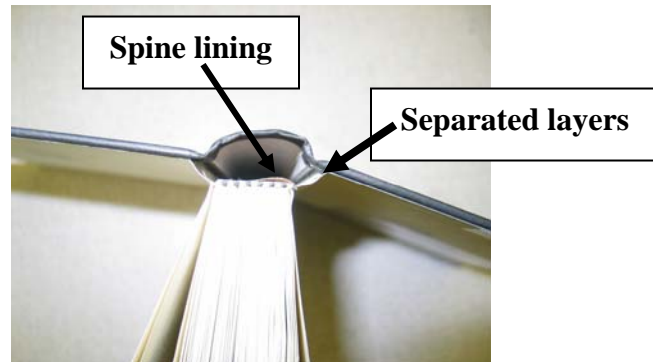
8. Press between brass edged boards, making sure brass edges fit neatly into hinges. Place weight on top of the boards.



9. Line up books so that hinges are centered in press, and press for at least 15 minutes. Books may then be removed from the press and stacked, staggered spine to fore-edge, until glue is dry.



10. Sometimes the endsheet and mull layers have separated from each other. Insert the glue-covered knitting needle between all layers when necessary. This may also be called for at the spine to reattach a spine lining.



11. Sometimes the loose area is so large that a brush is more suitable than a knitting needle.



- a. Brush glue lightly onto the board and/or mull and paper. Be careful not to use too much glue, and avoid gluing the spine.



12. Smooth pastedown back into place before closing board, using fingers or bone folder with wax paper strip. This type of repair requires more time in the press, at least an hour, for the glue to dry.



CHECK YOUR WORK!

- Open each book to see that hinges are tight, and pastedowns and flyleaves are not stuck together. Look down through spine area to make sure it is open and without adhesions. Correct any problems.
- Approximate cost (materials): several cents
- Approximate time to complete repair: less than 5 minutes