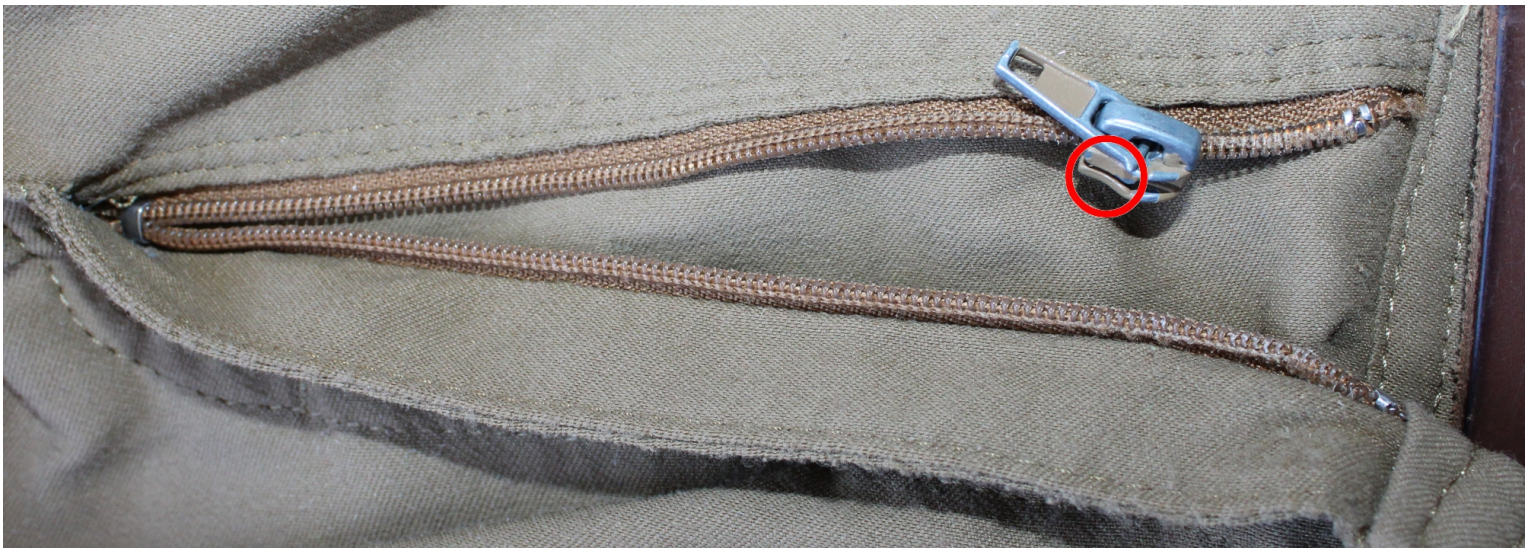
Zipper Slider Derailed



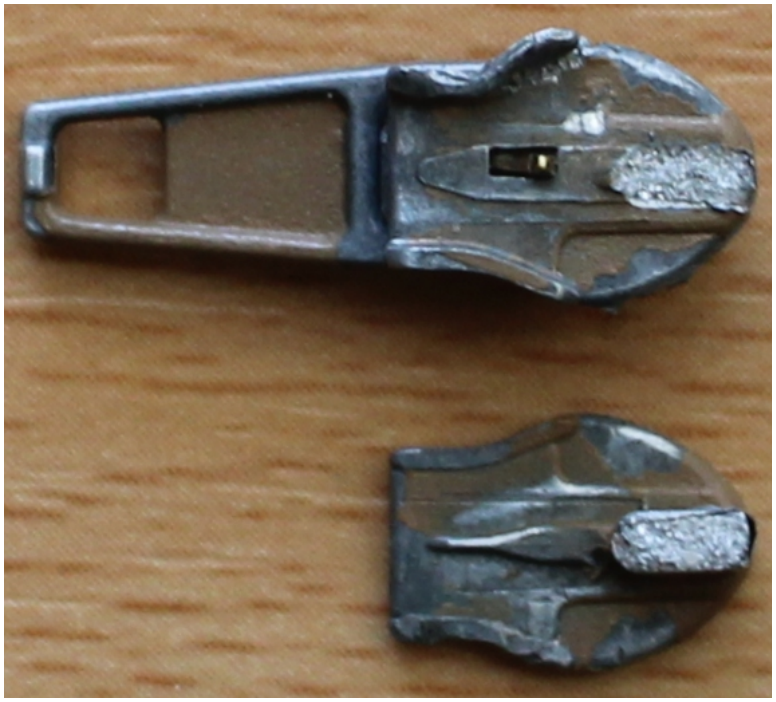
Derailed (Red circle shows the mouse of zipper slider to be widened by a flat head driver with a long-nose plier)

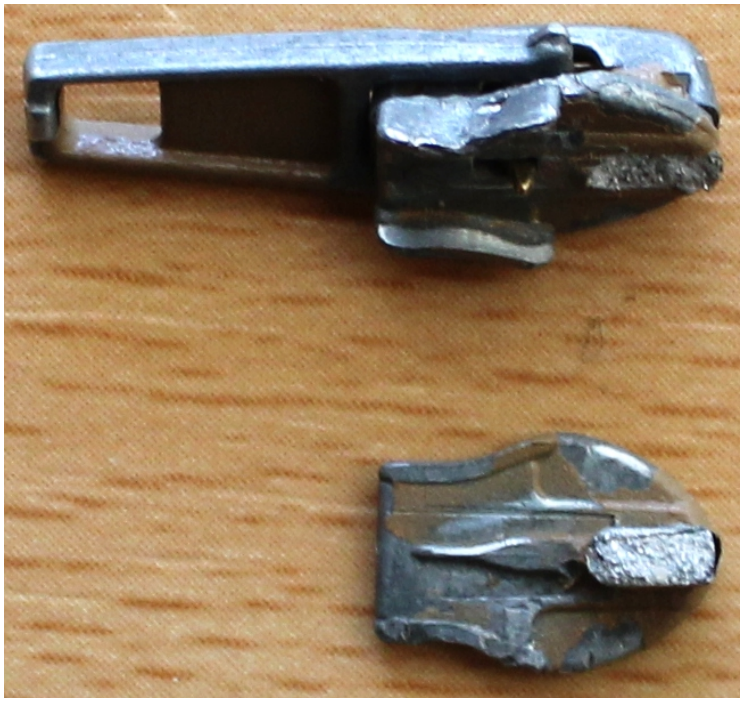
Repaired

Tools

- A flat head driver to widen mouse space,
- A small flat head driver to push the separated zipper rail into the zipper slider mouse,
- A long-nose plier to clutch other side of zipper slider to help widening by a flat head driver effectively and to close widened zipper slider mouse at final stage

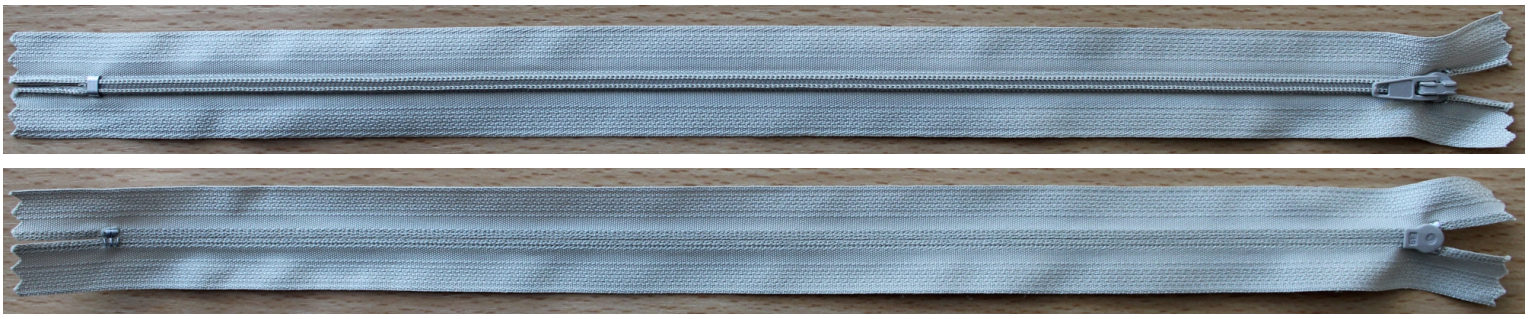
The zipper slider has derailed again. In the middle of second repair using the scheme above, the slider was miserably broken into two pieces due to too much force applied (Diagnosis: Complete jaw dislocation).





Warnings: I do not recommend the way shown above. The optimum way is introduced below.

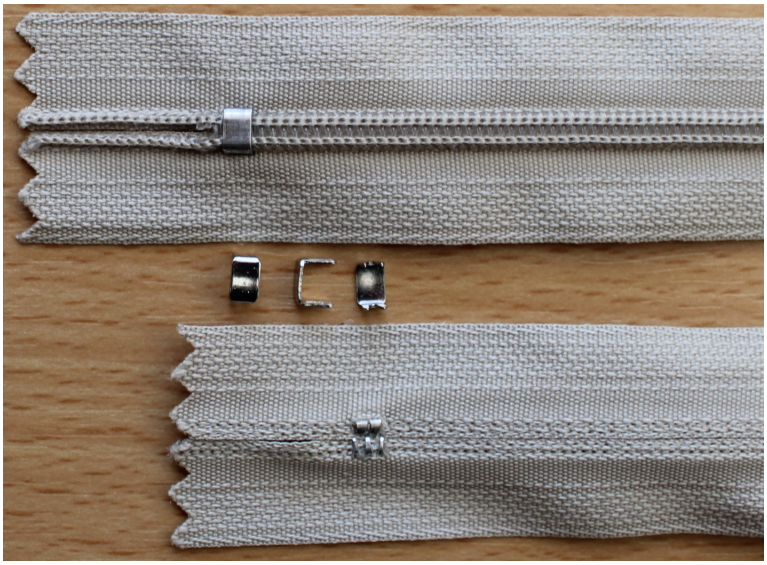
Analysis of Zipper (Tapes, Slider, Top stops, Bottom stop, Size (#), and Material type)



Found bunch of #3 nylon coil zipper tapes with slider in my daughter's zipper storage box.
Huge advancement of zipper analysis!

The rail width under fastened is 3mm (Size is #3, Zipper type is nylon coil)

Stoppers

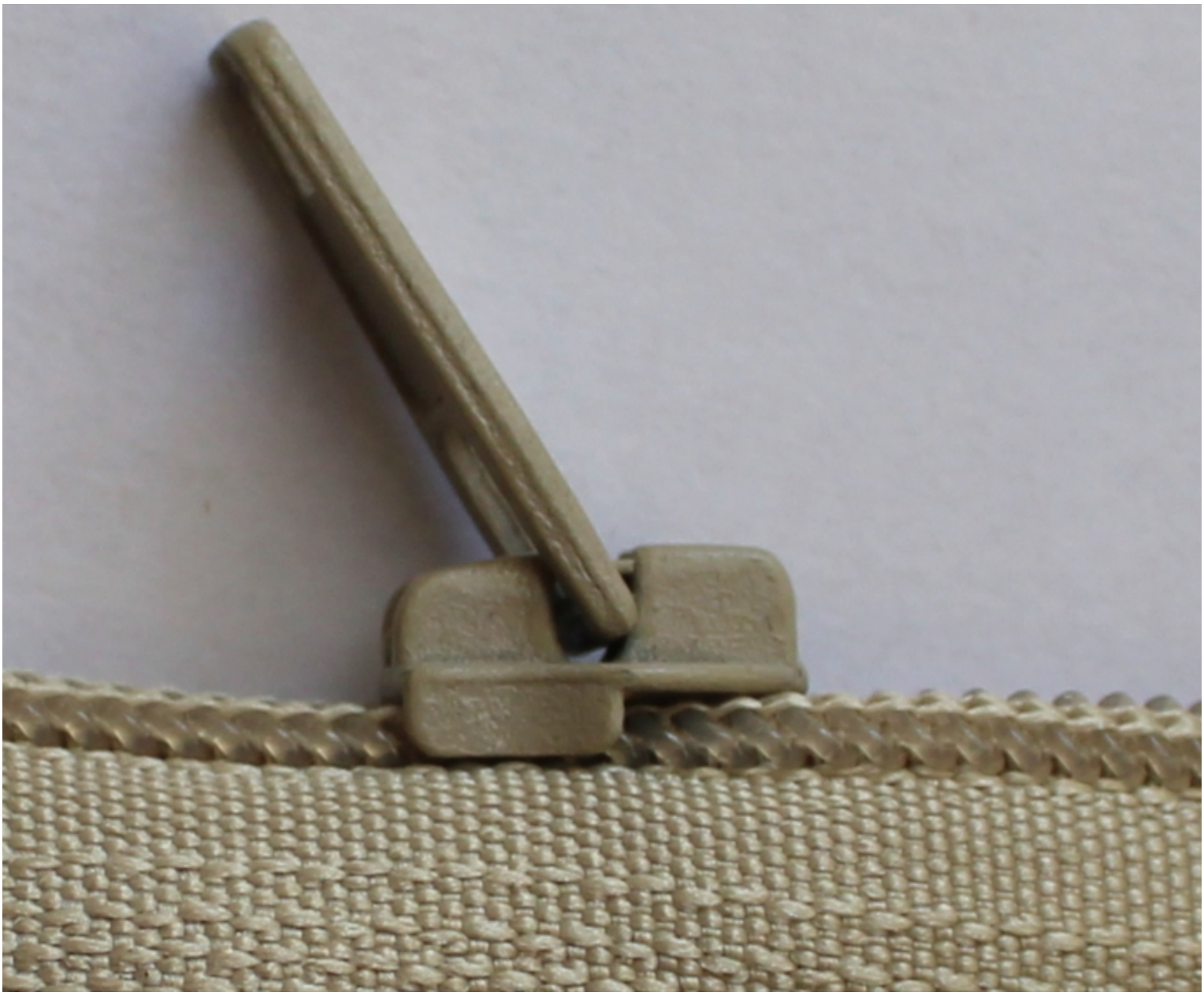


#3 bottom stop & hooking up conditions (front & rear)

#3 top stops & hooking up conditions (front & rear)

Rail Teeth

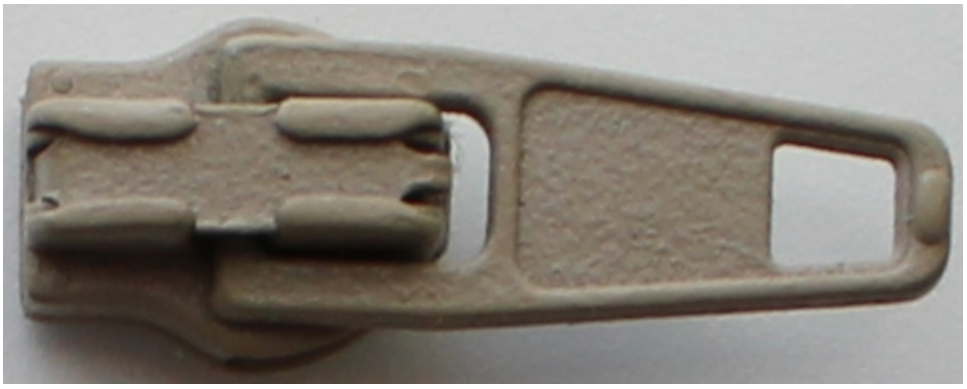
Engaged (Left), Disengaged (Right) What a magic!



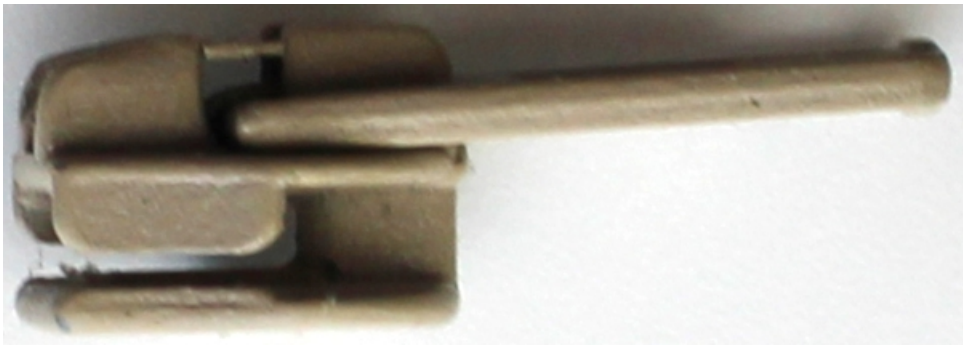
Side view of slider (3mm height nylon coil, side walls of slider engage teeth interchangeably)

Upside down (Almost flat; Bottom of slider just tucks zipper tape down)

Slider



Top view



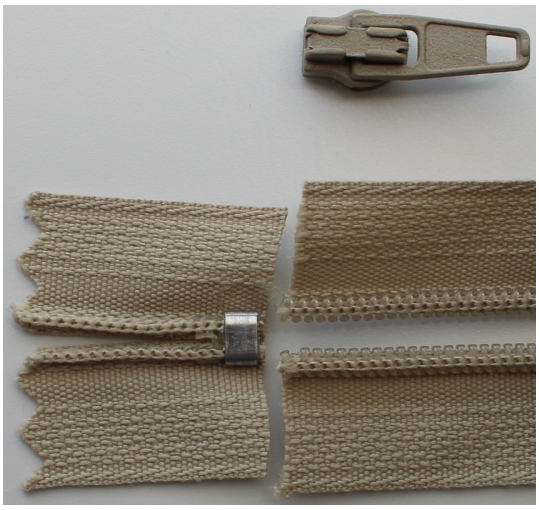
Side view

Traveling direction view

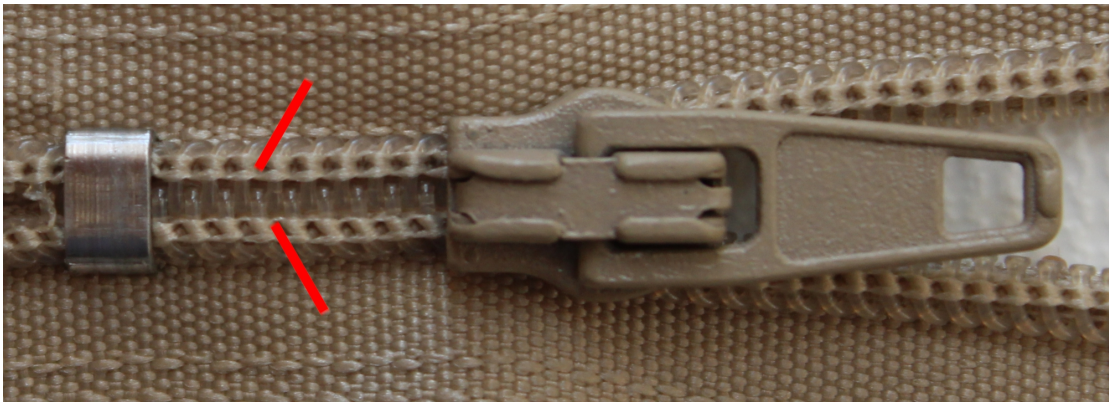
Mouse aperture is 3mm

Trial Engaging of Zipper by Slider

Zipper tape cut



Slider detached



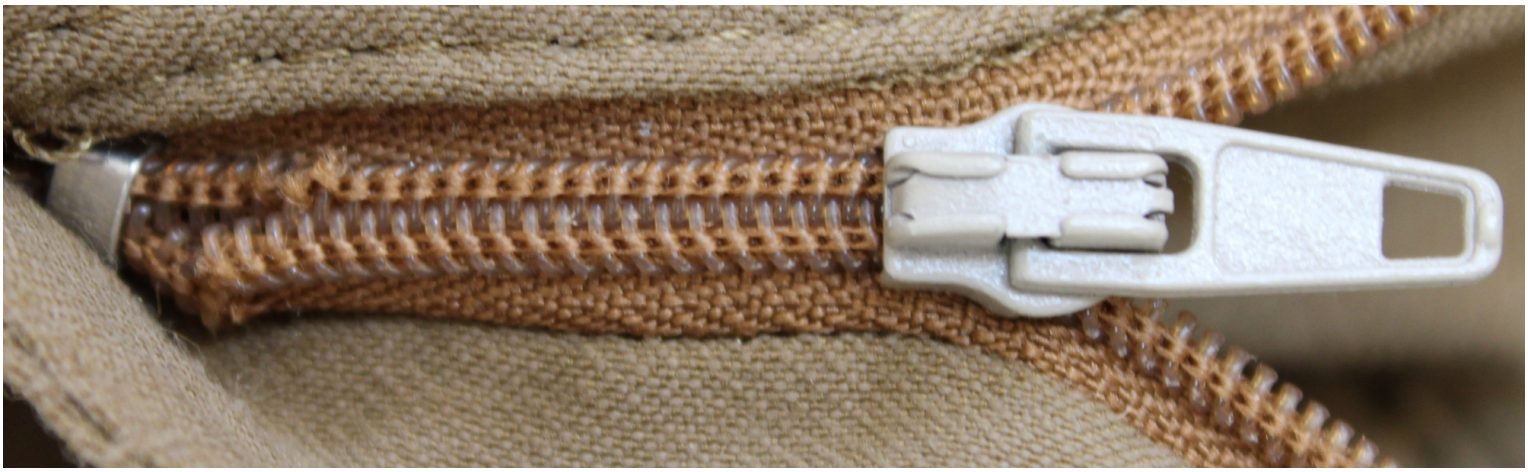
Cut position of zipper tape (between 4th and 5th tooth from bottom stop)

Engaging practice succeeded (A #7 bottom stop for mending the cut)

Cut by a vintage nail cutter

Actual Repair (Re-Engaging Teeth by a Slider newly Installed)

Cut zipper tape (between 4th and 5th tooth from bottom stop)



Slider in (lower 4 teeth not engaged yet)

Success (Lower 4 teeth engaged manually by using finger nails and a small minus head driver)

Lot of yarn waste near top stops (Probable cause of zipper slide derailment)

Yarn waste near top stops cleaned by using tweezers

Done

Downloadable Files