

Dorsal Hinge Squeak Field Fix

The recommended field fix of the Dorsal back squeak is based on my investigation of one shell that was returned to KI. The Dorsal seat had an older style shiny finished shell which is no longer produced at KI and the bellows were cracked. The following are the steps taken to eliminate the squeak from this shell.

1. Remove the old bellows from the shell by cutting it with a knife or razor blade being careful not to scratch the shell. This exposes the hinge assembly.
2. Two tabs on each half of the hinge assembly hold the hinge in the shell pocket by snapping into recesses in the shell pocket. (see drawing) Insert a thin standard screwdriver blade between the seat portion of the plastic shell and hinge assembly on the back side of the chair. The blade of the screwdriver should be inserted along side the hinge tabs, not over them.
3. With the screwdriver in place, pull up on the back to separate the shell back from the shell seat. This should take only a minimum amount of pull to separate the hinge from the shell if the screwdriver is located properly. Repeat steps 1 to 3 to remove the second hinge.
4. Wipe off any dirt or corrosion that may be on the hinge assembly. Apply lubricant to the hinge pin areas and on the hinge surface. IMS Die Makers Lubricant was used in house to eliminate the squeak.
5. Place a new bellows on the seat shell.
6. Place the back shell with the hinge assemblies attached into the seat shell by aligning the hinge assembly in to the seat shell. Push on the top of the back shell until it snaps into place. You will hear a clicking noise when this happens.
7. Flex the back to work the lubricant into place and to verify that the squeak is eliminated. Replace the bellows on to the back shell. Push again on the back to assure that the hinge tabs are fully engaged in the seat shell recesses.