

## Pantograph U2 with spring – user’s guide.

### *How to fix the spring on pantograph.*

The spring should be secured on pantograph as shown on Fig.1, pos. A. Whole spring must be placed inside the pantograph. The spring can be fixed either at the top or the bottom of pantograph or combination of both. Positions B and C on Fig.1 show incorrect attachments of the springs.

**CAUTION !!! Any assembly, removal or adjustments allowed when pantograph is folded (it must NOT be expanded) only!**

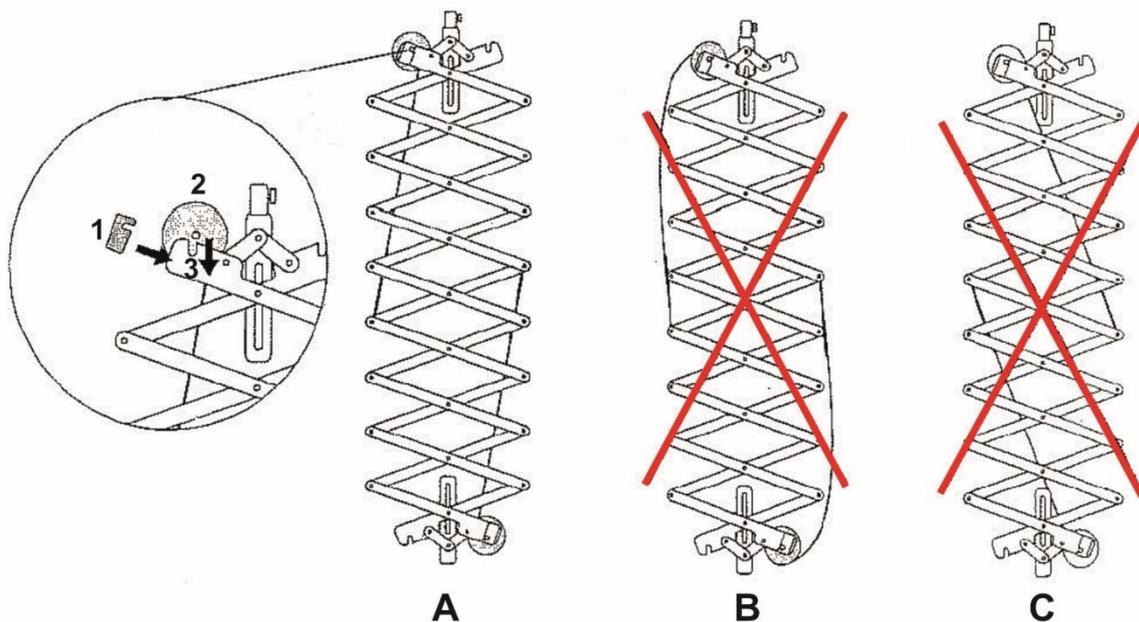


Figure 1

### *How to fix the spring.*

Put the spring, (exactly spring pivot) (Fig 1 element 2) into the hole in spring holder in pantograph (element 3). Next push the safety element (element 1) on the spring holder (element 3). Apply the same procedure for bottom spring.

### **Adjustment of the spring**

Maximum load for the spring is 8 kgs. It requires to be adjusted periodically when used. It depends on the current load.

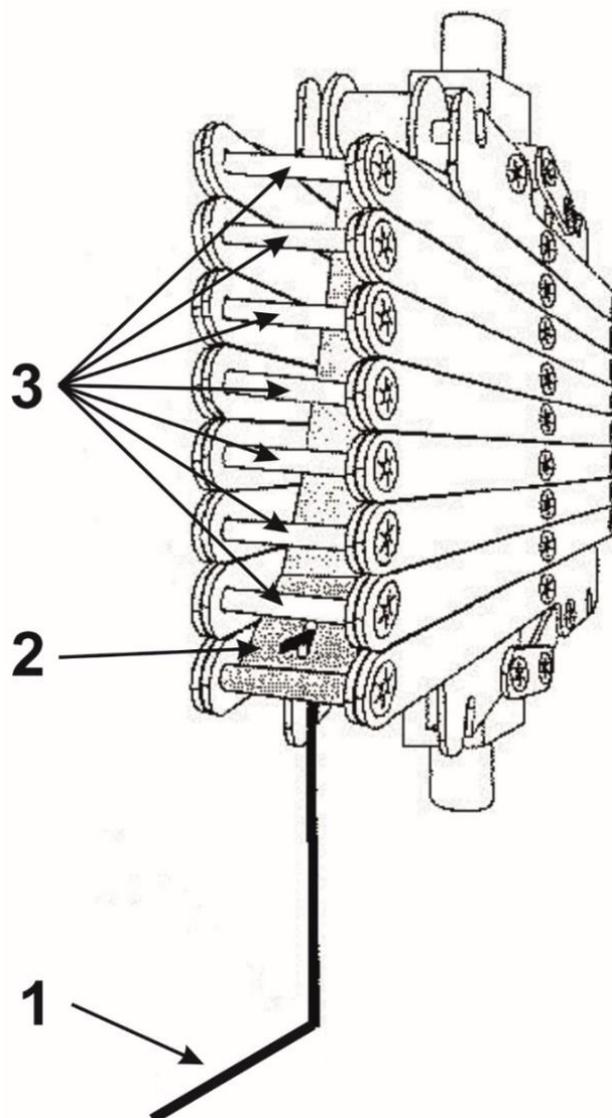


Figure 2

Use enclosed hook (Fig 2 element 1) adjust the spring tension according to the weight that is to be mounted on the pantograph. The spring tension is adjusted by hooking the spring holder (element 2) to the corresponding bar (element 3). The more distant bar is chosen for the holder to be hooked the more weight is balanced.

Tension is to be set experimentally on the principle of "small steps" hooking holder springs on the next bars and checking whether the pantograph works correctly. The springs should have the same tension.

**CAUTION !!! Periodically check the state of the spring. If there are signs of wear, in particular the crack immediately replace the spring with a new one!**