



Willner

FINETUNE-PEGS

Fitting Instructions

The process for fitting 'Finetune-Pegs' is very similar to fitting traditional pegs but there are certain parts of the process that need special attention. These points are highlighted in the following instructions.

Select the size of Finetune-Peg' that is most suitable. Refer to the accompanying leaflet listing dimensions. In some cases particularly on older instruments it may be necessary to mix sizes. This is not an issue as the pegs are available separately or in sets.

At this point it is worth pointing out that during the fitting process and in the future once fitted the Finetune-Pegs must never be 'pulled' by the peg button. To remove always push the peg out from the shaft end.

It is recommended that one peg at a time is replaced rather than removing all the old pegs at the same time. This is better for the well being of your instrument as it keeps it under a more constant tension.

For violin the recommended sequence is A,D,E,G.

For Viola and Cello,D,G,A,C.

Remove the first peg that is to be replaced. Then gently slide the replacement Finetune-Peg into the peg box to enable you to judge how much reaming of the peg box is required.

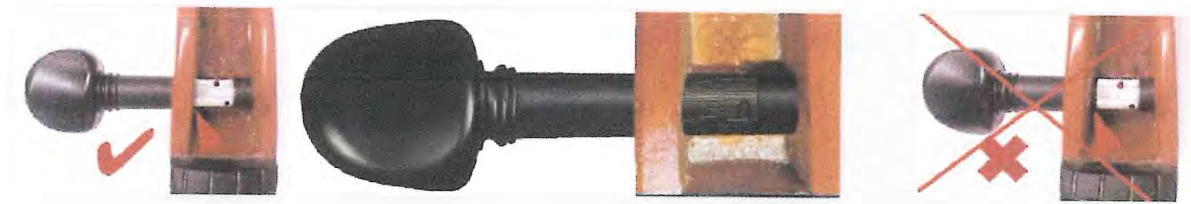
Remove the Fine-tune peg from the peg box by pushing the end of the shaft. Do not pull on the peg button.

At this point before you start to ream the peg box it is most important that the Finetune-Peg is carefully cleaned to remove any peg paste residue that might have adhered to it from the peg box.

It is now necessary to carefully ream the peg box so that when the Finetune-Peg is fitted the central spline of the peg (the part that turns) is flush to the inside edge of the peg box.

Be aware that because the Finetune peg is of a composite material it tends to slide further into the peg box than a wooden peg so during the reaming process it is best to ream a little then slide the peg into the peg box, pushing it in firmly so you can gauge how much more reaming is required. Don't forget that the peg should be pushed out from the shaft end, not pulled by the button.

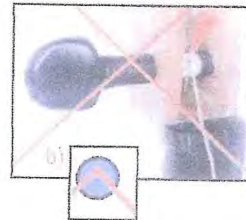
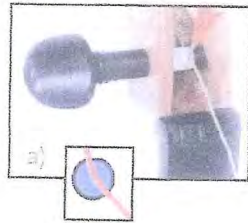
The peg is fitted correctly once it is pushed hard into position and the central spline is flush with the inside edge of the peg box. In fact if the central spline is positioned 0.5mm inside the wood of the peg box it is most effective.



Once this is positioned properly the peg can be removed and the shaft end carefully cut off with a hack saw. The end of the peg can then be rounded in the traditional way.

Again at this point make certain that all traces of peg paste have been removed from the peg shaft.

Now replace the string making certain that it winds onto the central spline, the part of the shaft that turns. This is most important because if the string winds onto the shaft of the peg that does not turn it could 'snag' and snap.



In some cases the coloured wound end of the string is too long and there is too much string length to fit on the moving spline. If this is the case the string can be carefully shortened.

In fact there is no need for more than 3 -4 windings of the string on the moving spline.

Repeat this process on the other 3 pegs replacing them in the sequence listed above.

When restringing we recommend you invest in a Wittner 'Finetune-Peg Winder'. It makes the process much quicker!



If during the fitting process too much wood is reamed and the Finetune-Peg slides a little too far into the pegbox it is possible to 'shim' the pegbox. This is an effective way of increasing the diameter of the Finetune-Pegs.

Refer to link below.

http://www.wittner-gmbh.de/feinstimmwirbel_e.html

Points worth noting once again.

Never pull on the Finetune- peg button. Always push the Finetune-Peg out of the pegbox from the shaft end.

Make certain that no peg paste residue is picked up and left on the shaft of the Finetune-Peg. *Always thoroughly clean before final fitting*

Be aware that the Finetune –Peg is a composite material and will slide further into the wood of the pegbox than a traditional wooden peg.

Take this into consideration when reaming the pegbox. Be very careful not to ream out too far.

The Finetune-Peg must always be firmly pushed into position after final fitting.

It's important to verify that the string has enough room in the grooves of the upper nut to be able to react on the slightest turn of the Finetune-Peg.

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Patent:
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USA: USA 7,816,594 B2
China: CN 101868820
and others