

Comparison of original and re-written manual produced by Tekwani Applications Ltd

Extract from :
original manual for a band saw

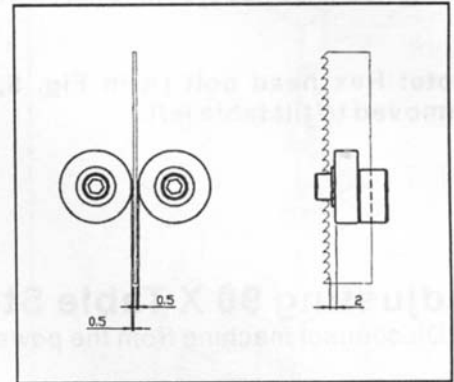


Fig. 8

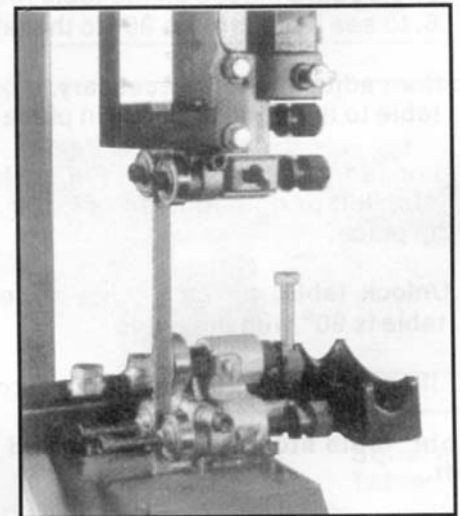


Fig. 9

ADJUSTING UPPER BLADE GUIDE ASSEMBLY

1. Set the bearing of upper & lower blade guide to within approx. 0.5mm of the blade, make sure the bearing the back of the blade approx. 0.5mm. (Fig.8,9) see follow instruction.(AA,BB)
2. Do not set the bearing too close, as the friction generates heat, which may have an adverse effect on the bearings and the saw blade as well.

This was all the information given on how to adjust the blade guide assembly. Although referred to, there was no indication of what (AA,BB) was and the photograph is not informative or labelled. With the information given, it would prove rather difficult and time consuming to adjust the guide assembly.

Compare this with the extract from the manual produced by Tekwani Applications Ltd
(see the following pages)

Your Company logo / details etc

Instruction Manual – Bandsaw Model X

Extract / Example of Instruction Manual – produced by Tekwani Applications Limited



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The Blade Guide Assembly

The saw blade is guided by two sets of bearings. The guides are situated above and below the saw table to ensure that the blade remains stable (straight and untwisted) while cutting takes place.

The upper guide is shown in Fig 1 & 2, while the lower guide (with saw table removed) is shown in Fig 3.

The blade guides should be adjusted whenever a new blade is fitted or when tracking of the blade has been altered. It is assumed that the tracking and tensioning of the blade is correct and that the blade is square to the table. (See the relevant section on how to do this) . **The power to the saw must be disconnected before carrying out these adjustments.**

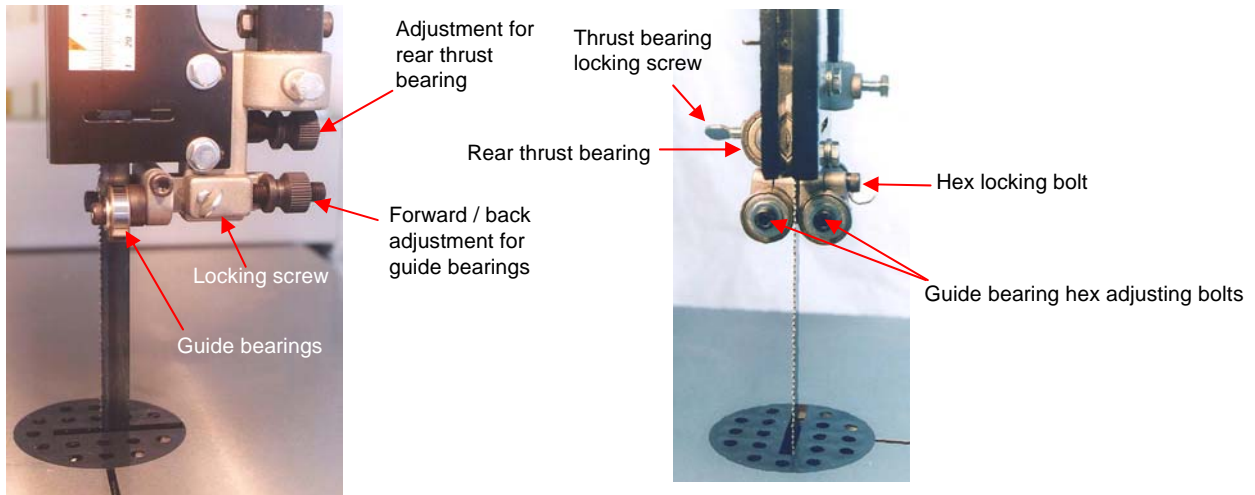


Fig 1 Upper blade guide from side

Fig 2 Upper blade guide from front

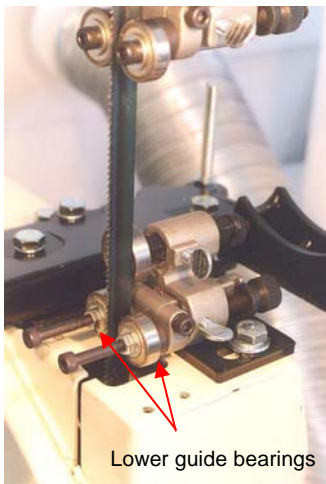


Fig 3 Lower blade guide (saw table and deflecting plates removed)

Setting the upper blade guide

Three adjustments have to be made. The position of the rear thrust bearing at the back of the blade, the position of the guide bearings relative to the front of the blade and the clearance of the bearings on either side of the blade.

The rear thrust bearing is set by unloosening the locking screw (fig 2) and moving the bearing backwards or forwards using the knurled adjustment screw (fig 1). There should be a clearance of approximately 1 mm between the back of the blade and the bearing. When set, tighten the locking screw.

To move the guide bearings backward or forward loosen the locking screw (fig 1) and use the knurled adjustment screw to position the leading edge of the bearings approximately 1.5 to 2 mm behind the gullets of the saw blade. Re-tighten the locking screw when positioned.

To set the bearing guide clearances on either side of the blade, loosen the the hex locking bolt (fig 2) that clamps the guide bearings in position. Using a hex key set the clearance by turning the hex adjusting bolts on each bearing so that there is a gap of approximately 0.5 mm on either side of the blade. When positioned, re-tighten the locking bolt.

Check the clearance and that the bearings are behind the teeth of the blade by gently pushing the blade back against the thrust bearing.



The Blade Guide Assembly (continued)

Setting the lower blade guide

The lower blade guides are set in a similar way to the upper guides. The positions of the locking screws and adjusting knobs are shown in fig 3 & 4. Note that for clarity of illustration, the saw table and deflector plates (which are situated on either side of the blade) have been removed. The guides can be set without the need for removing these components, by working under the saw table. Remove the saw table insert for better access and visibility.

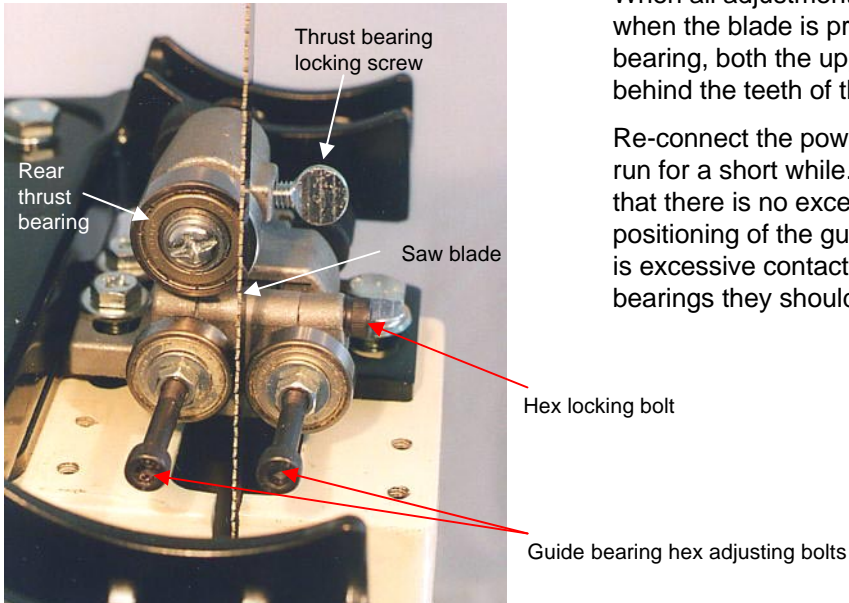


Fig 4 Lower blade guide from front (saw table and deflecting plates removed)

When all adjustments have been made, re-check that when the blade is pressed back against the thrust bearing, both the upper and lower side guides are still behind the teeth of the saw. Replace the table insert.

Re-connect the power, switch the saw on, allow to run for a short while. Check for correct tracking and that there is no excessive vibration etc. Check the positioning of the guides by making a trial cut. If there is excessive contact between the blade and the bearings they should be re-adjusted.

