

AW2260S Planer Thicknesser Spiral Block - 230V

Code 108512

Table Adjustment



ENSURE THAT THE PLANER IS FULLY
ISOLATED FROM ITS POWER SOURCE

ALWAYS REMEMBER TO READ THROUGH
THE MACHINE INSTRUCTIONS SUPPLIED.

1. Checking Alignment – Are Adjustments Needed?

Checking height of out-feed table in relation to the cutter block; “Drag test”

1) Lower in-feed table fully.



Fig. 1

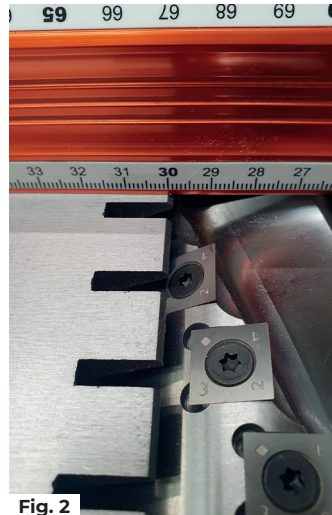


Fig. 2

2) Place an aluminum scaled straight edge or a straight piece of timber with marks at zero, 3 & 6mm on the table, Align the first (zero) mark with the edge of the table (Fig. 1 - Fig. 2)

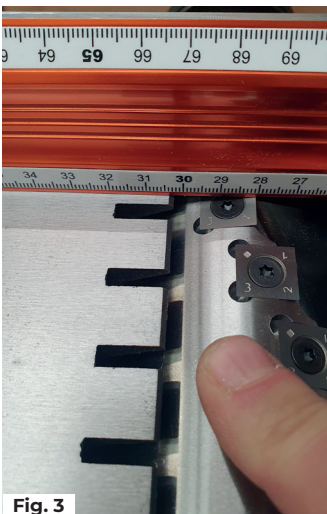


Fig. 3



Fig. 4

3) Rotate the cutter block by hand until a cutter contacts the underside of the timber or straight edge which should be picked up & dragged no less than 3mm but no more than 6mm. This will need to be checked at both the front & back of the out-feed table (Fig. 3 - Fig. 4)

4) If the reading is between 3mm & 6mm then no adjustment will be needed in this area, If the reading is less than 3mm the table will need to be lowered as this can cause timber feeding issues, if the reading is more than 6mm the table will need to be raised as this may cause snipe (Fig. 5)



Fig. 5

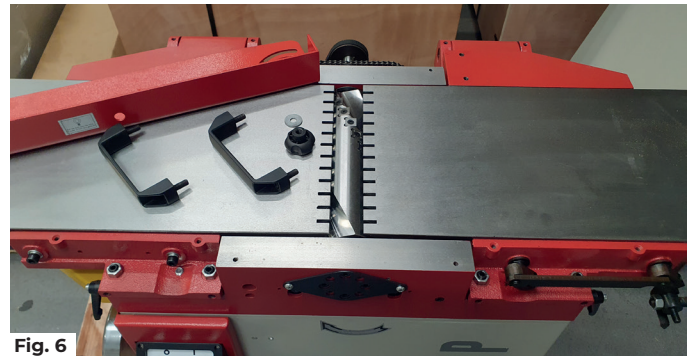


Fig. 6

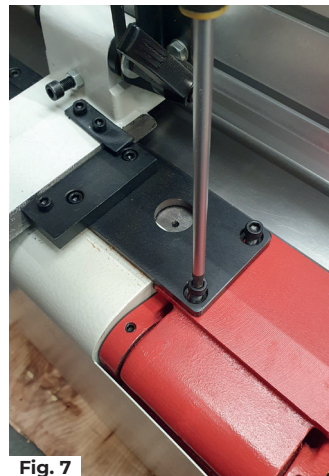


Fig. 7

5) Before adjustments are made both front & rear covers will need to be removed...

5A) Front cover- Remove all 4 handle hex head cap bolts & handles, infeed table locking knob then remove red front cover (Fig. 6)

5B) Rear cover- Remove the 4 hex cap screws that hold the fence and fence bracket in place (Fig. 7). Release, but don't fully remove the rear panel screws, then remove the rear panel (Fig. 8 - Fig. 9).



Fig. 8

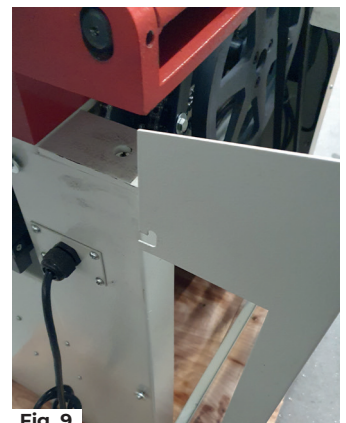


Fig. 9

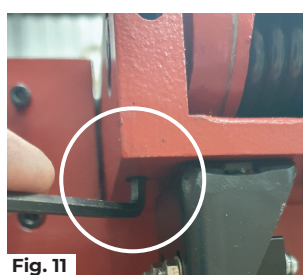
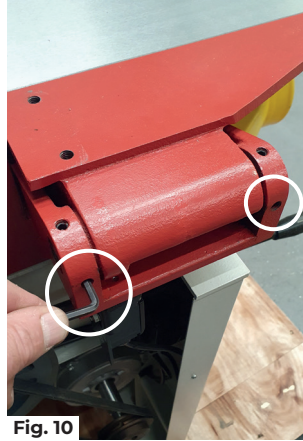
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2. Adjusting The Outfeed Table - Lowering the table -

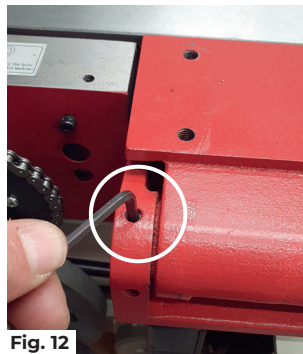
Important - Only minor adjustments of the grub screws will be needed, do not adjust more than ¼ of a full turn.

Hinge side (rear) adjustment

- 1) Undo both side locking grub screws (Fig. 10).



- 2) Wind both lower grub screws clockwise (down) only ¼ of a turn maximum to lower the hinge pivot bar (Fig. 11).



- 3) Wind both upper grub screws clockwise (down) ¼ of a turn to meet & lock the hinge pivot bar (Fig. 12).
- 4) Re-tighten the side locking grub screws (Fig. 10).



Locking side (front) adjustment

- 5) Unlock the table securing lever (Fig. 13).



- 6) Undo both nuts then use a hex key to wind both grub screws anticlockwise (up) only ¼ of a turn to allow the table to move down (Fig. 14 - Fig. 15).



Fig. 15

- 7) Holding the grub screw in place with the hex key tighten both nuts.

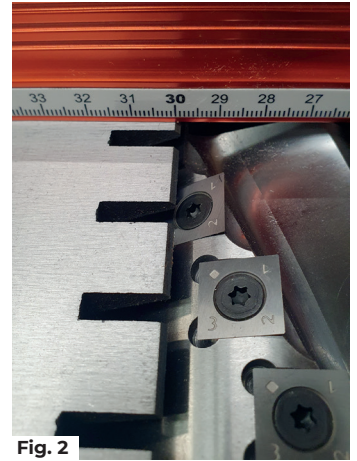


Fig. 2

- 8) Lower the table back down then re-lock the table securing lever.
- 9) Re-check the table level checking height of out-feed table in relation to the cutter block; "Drag test" (Fig. 2).

3. Raising the table

Important - Only minor adjustments of the grub screws will be needed, do not adjust more than ¼ of a full turn.

Hinge side (rear) adjustment

- 1) Undo both side locking grub screws (Fig. 10)

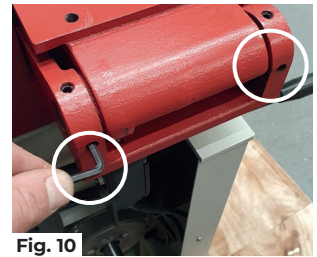


Fig. 10

- 2) Wind both upper grub screws anticlockwise (up) ¼ of a turn (Fig. 11)

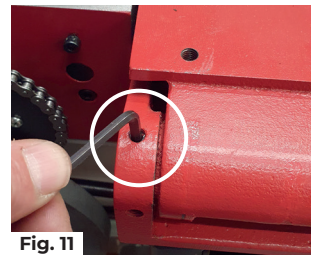


Fig. 11

- 3) Wind both lower grub screws anticlockwise (up) only ¼ of a turn to raise the hinge bar to meet the upper grub screw (Fig. 12).

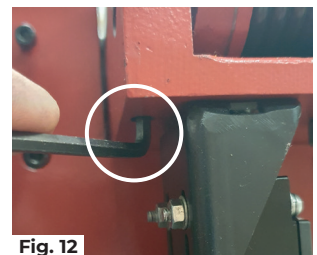


Fig. 12

- 4) Re-tighten the side locking grub screws (Fig. 10).

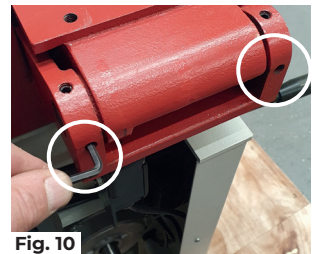


Fig. 10

Locking side (front) adjustment

- 5) Unlock the table securing lever (Fig. 13)



Fig. 13

- 6) Undo both nuts then use a hex key to wind the grub screws clockwise (down) only $\frac{1}{4}$ of a turn maximum to allow the table to drop down (Fig. 14 - Fig. 15).



Fig. 14

- 7) Holding the grub screw in place with the hex key tighten both nuts.

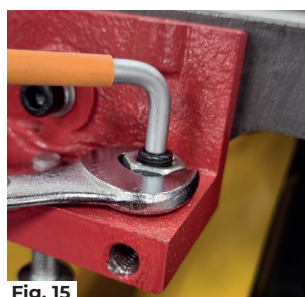


Fig. 15

- 8) Re-lock the table securing lever

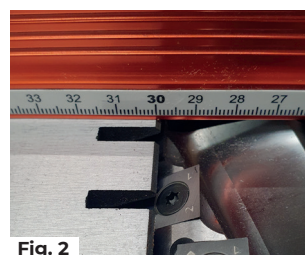


Fig. 2

- 9) Re-check the table level checking height of outfeed table in relation to the cutter block; "Drag test" (Fig. 2).

4. Checking Then Adjusting The Infeed Table

The infeed table may also need adjusting to bring both tables to the same height.

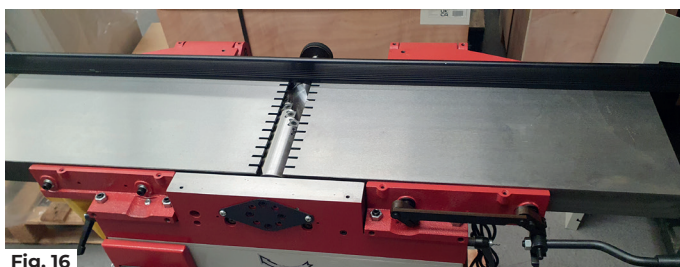


Fig. 16

- 1) Place a long straight edge or clean spirit level on the outfeed table then raise the infeed table up to the stop. If there is a gap on the infeed side between the table & the underside of the straight edge near the cutter block then the infeed table will need to be raised, if the infeed table lifts the straight edge, then the table will need to be lowered (Fig. 16).
- 2) A stop bolt is located under the infeed table (Fig. 17).
- 3) Winding the stop bolt in will lower the height of the infeed table, winding the stop bolt out will allow the infeed table to be raised.

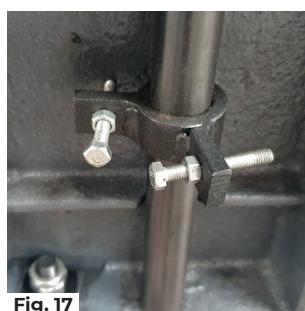


Fig. 17



Fig. 18

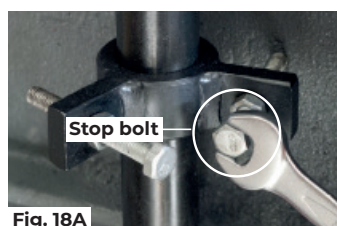


Fig. 18A

- 4) Lower the infeed table, adjust the stop bolt then raise the infeed table & again check the height in relation to the outfeed table (Fig. 18 - 18A).

5. Table alignment – COPLANAR

Finally, check the alignment (coplanar) of both tables, a long straight edge or clean spirit will be needed for this.

- 1) With the infeed table raised up to its fullest, put the straight edge along both tables (Fig. 16).
- 2) These tables should be within 0.2mm of each other, a feeler gauge is best to check any gap, alternatively folded copier paper can also be used as a feeler gauge (Fig. 19 - Fig. 20).



Fig. 16



Fig. 19

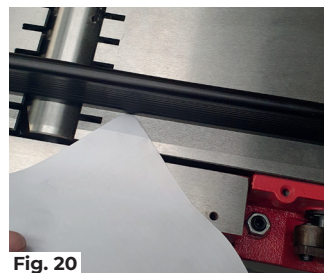


Fig. 20



Fig. 21

- 3) Check along the full length of the straight edge both at the front & the back of both tables (Fig. 20 - Fig. 21)
- 4) If adjustment is needed it usually means that the infeed table hasn't been raised up equally, the infeed table will need to align to the outfeed table.
- 5) Look at the hinge side (rear) adjustment on the infeed table first by only moving one of the adjusting grub screws to align table (Refer to Section 2. Fig. 11) adjusting just one grub screw will allow the table to tilt & align.
- 6) The locking side (front) may need to be adjusted to match (Refer to Section 3. Fig. 15) adjusting just one grub screw will allow the table to tilt & align.
- 7) The infeed table height may need to be readjusted via the stop bolt once the table have been aligned (Refer to Section 4. Fig. 17).

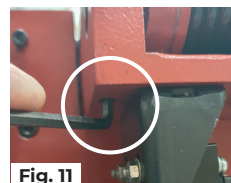


Fig. 11



Fig. 15



Fig. 17

Remember only small adjustments will be needed.



Fig. 13

- 8) Table cam lock adjustment if needed is done via the lock bolts located in between the two table adjusting grub screws (Fig. 13 - Fig. 22).
- 9) Refit front & rear panels then the fence bracket & fence.

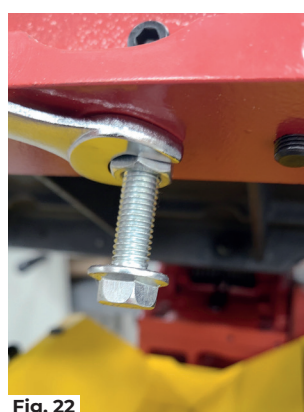


Fig. 22