

LAGUNA

Table Alignment Instructions

JX6 & JX8 JOINTERS



WARNING

DISCONNECT MACHINE FROM POWER!

TABLE ALIGNMENT

The alignment of the infeed and outfeed tables has been precisely set at the factory. However, misalignment can be incurred from shipping movement. Follow these steps to check and adjust.

OVERVIEW

These instructions are intended to assist when alignment of the infeed, outfeed or both tables require adjustment. It is **important** to note that the outfeed table must be parallel and flush with the cutterhead before adjusting the infeed table. Always make this adjustment first if needed.

If the infeed table cannot be adjusted parallel to the outfeed table (e.g. not enough adjustment within the eccentric adjustment collars), then the outfeed table will require adjustment to bring into the same plane as the **infeed table**, but the outfeed table must **ALWAYS remain parallel** and **flush** with the cutterhead. Always make this adjustment first if needed.

Coplanarity Test

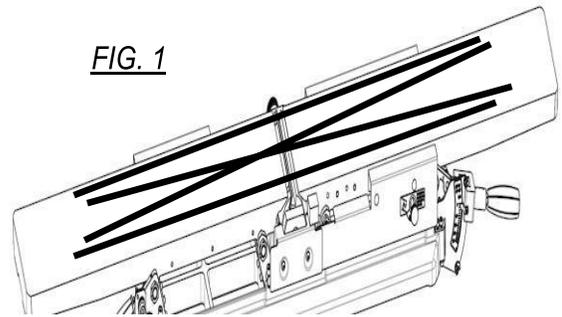
STEP 1: DISCONNECT THE MACHINE FROM POWER!

STEP 2: Remove the cutterhead guard by loosening the set screw(s) and removing guard. (See GUARD INSTALLATION).

STEP 3: Slide the fence assembly back.

STEP 4: Place a straight edge across the tables in positions as shown in **FIG. 1**. In each position, the straight edge should rest flat and fit flush with both infeed and outfeed tables (not on an insert knife). If it does not, follow the steps in Outfeed Table and Infeed Table adjustments.

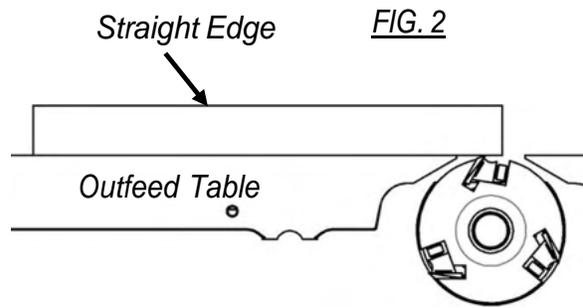
FIG. 1



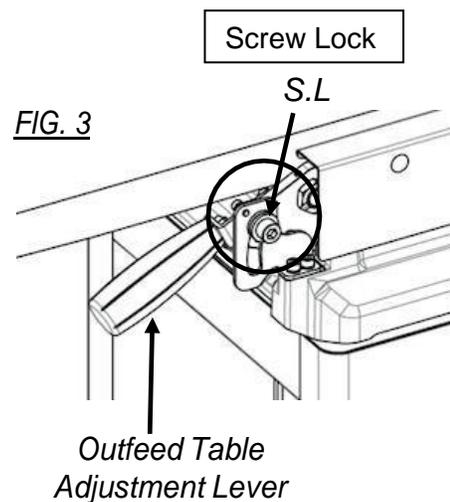
Outfeed Table; paralleling to cutterhead and establishing proper height to cutterhead

STEP 1: While the machine is disconnected from power source, cutterhead guard is removed, and fence is away or removed; remove rear access panel of stand, to obtain access of drive belt.

STEP 2: Place a straight edge on the outfeed table halfway over the cutterhead as shown in **FIG. 2**. Rotate drive belt, if necessary, to bring an insert knife to top-dead-center for referencing to straight edge.



STEP 3: Use a hex wrench (not included) to loosen Screw Lock (S.L.) to release outfeedtable adjustment lever as shown in **FIG. 3**.



Outfeed Table(cont.)

STEP 4: Loosen cap screw on the back of the outfeed table adjustment lever as shown in **FIG. 4**. Lower the outfeed table to adjust the straight-edge level with the top dead center of the knife inserts as in **FIG. 2**.

NOTE: When the half-moon shape of the CAP screw indicator touches the plate, it results in the lowest position of the outfeed table and is a reference to the top-dead-center of the inserts.

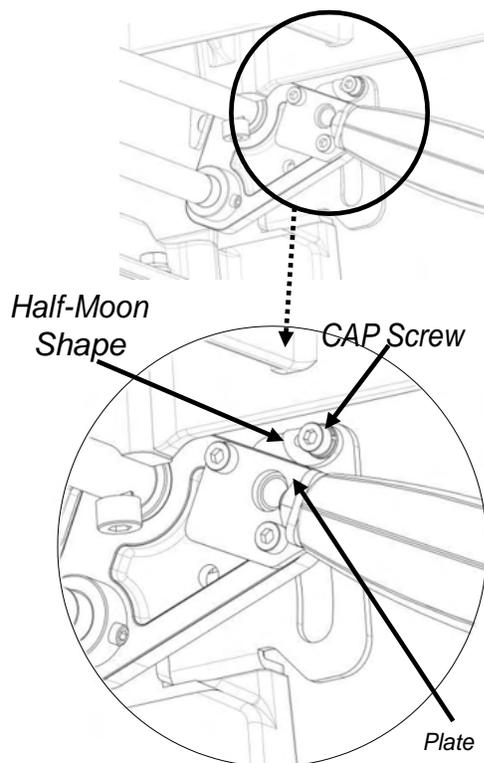


FIG. 4: Back View of Outfeed Table Adjustment

STEP 5: Place a straight edge in positions shown in **FIG. 5** to make sure outfeed table is parallel with the cutterhead.

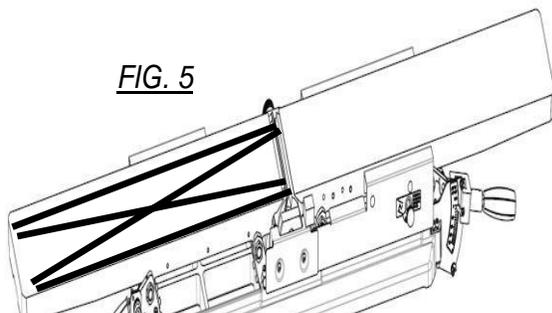


FIG. 5

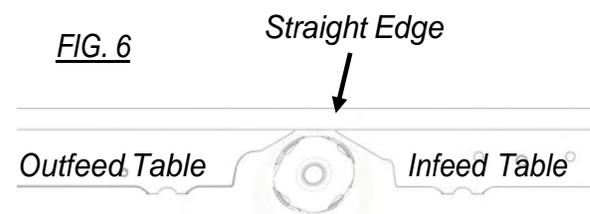
STEP 6: If the outfeed table is not parallel to the cutter head; loosen the set screws for the eccentric bushings **FIG. 10**. Rotate the eccentric bushing(s) to adjust the outfeed table parallel to the cutter head. Make sure eccentric bushings are seated and tighten set screws.

Step 7: Confirm outfeed table is flush with cutter head (insert knives at top-dead-center). Tighten lock when adjusted. If straight edge does not rest flat on outfeed table, repeat **STEP 4**. If it sits flat on outfeed, go to **Infeed Table** to check the parallelism of infeed table.

Infeed Table

STEP 1: Before checking parallelism on infeed table, confirm the outfeed table is parallel and flush with insert tips at top-dead-center.

STEP 2: Place straight edge across infeed and outfeed tables as in **FIG. 6**. If inserts interfere with straight edge, rotate the cutterhead.



STEP 3: Place straight edge in positions shown in **FIG. 7**.

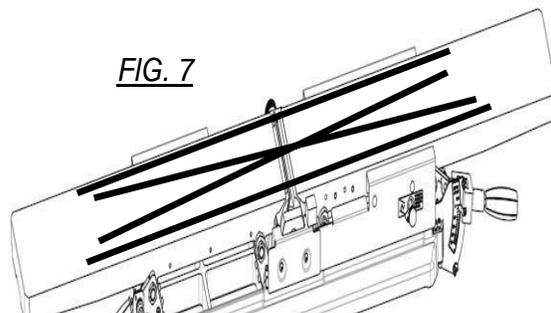


FIG. 7

STEP 4: If straight edge lies uniformly flat against both infeed and outfeed tables in all positions; re-install fence, blade guard and rear access panel. If it does not fit uniformly flat against both infeed tables and outfeed tables in any position, go to Table Parallelism Adjustment.

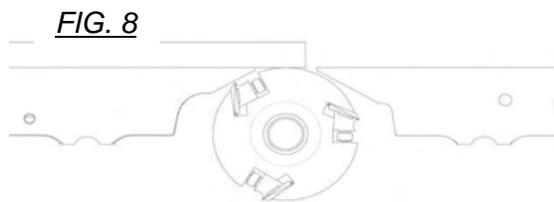
Table Parallelism Adjustment

When the infeed table is not parallel with the outfeed table, it can be adjusted.

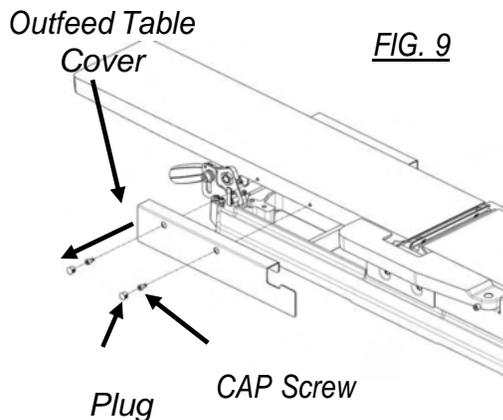
NOTE: This adjustment needs to be done very precisely and typically does not require re-adjustment once set.

Before following the steps below, double check the alignments as shown in Infeed Table to be certain that table adjustment is required.

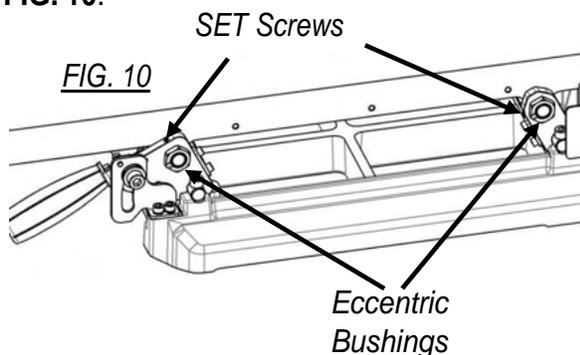
STEP 1: Place a straight edge on outfeed table over the cutterhead and slightly touching the cutterhead body as shown in **FIG. 8**.



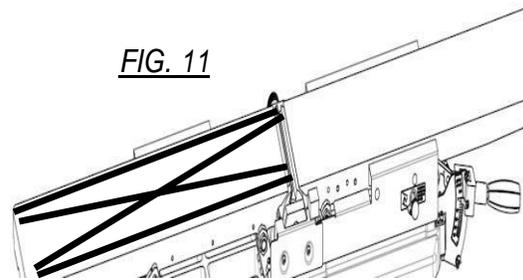
STEP 2: Remove the plugs and loosen CAP screws to release and remove outfeed table cover as in **FIG. 9**.



STEP 3: Loosen set screws as shown in **FIG. 10**.



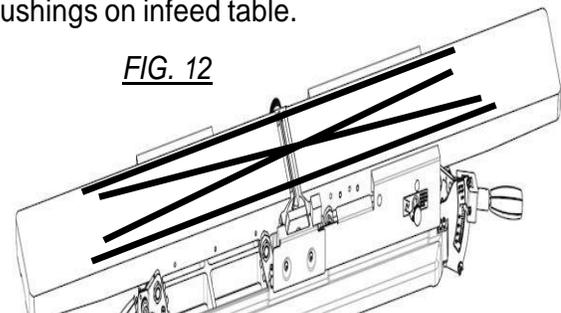
STEP 4: Place straight edge to all the positions shown in **FIG. 11** and loosen set screw(s) adjust the eccentric bushings, as in **FIG. 10**, until straight edge slightly touches the cutterhead insert knife (at top-dead-center) at each position.



STEP 5: After verifying the parallelism on the outfeed table, make sure the eccentric collar(s) are seated snugly and tighten set screw(s) into eccentric bushing(s) **FIG. 10**.

STEP 6: Remove infeed table depth stop release knob and infeed table cover, loosen set screws and place straight edge across infeed and outfeed tables as in **FIG. 12**, and adjust eccentric bushings under infeed table as STEP 4 for outfeed table.

STEP 7: Verify parallelism in each position as in **FIG. 12**, confirm eccentric bushings are snug and tighten set screws in eccentric bushings on infeed table.



STEP 8: Tighten set screws in eccentric bushings under infeed table.

STEP 9: Re-install table covers and infeed table depth stop release knob.

NOTE: Confirm the Eccentric Bushings are fully seated (hex collar pushed snug into bracket) before tightening SET Screws. This prevents excessive play and side-to-side bed movement.

Troubleshooting:

Fence:

After adjusting either or both tables, check and if necessary, adjust the fence according to fence setting instructions within the main manual.

Before making adjustments:

Always confirm the outfeed table is parallel and flush with the cutterhead before adjusting the infeed table.

Infeed table cannot be adjusted parallel to the outfeed table:

If there is not enough adjustment available with the infeed table eccentric bushings to align with the outfeed table; adjust outfeed table using the four eccentric bushings to coplanarity to the infeed table. **It is important to maintain the outfeed table flush and parallel with the cutterhead when adjusting the outfeed table for coplanarity.**

Infeed or Outfeed Table loose, side-to-side:

If either the infeed or outfeed table are loose (side-to-side), it is probably due to lose eccentric bushings and set screws in the height adjustment mechanism. Check table alignment first and eccentric bushings last by following through the previous instructions and “NOTE” after STEP 8 of “Table Parallelism Adjustment”.

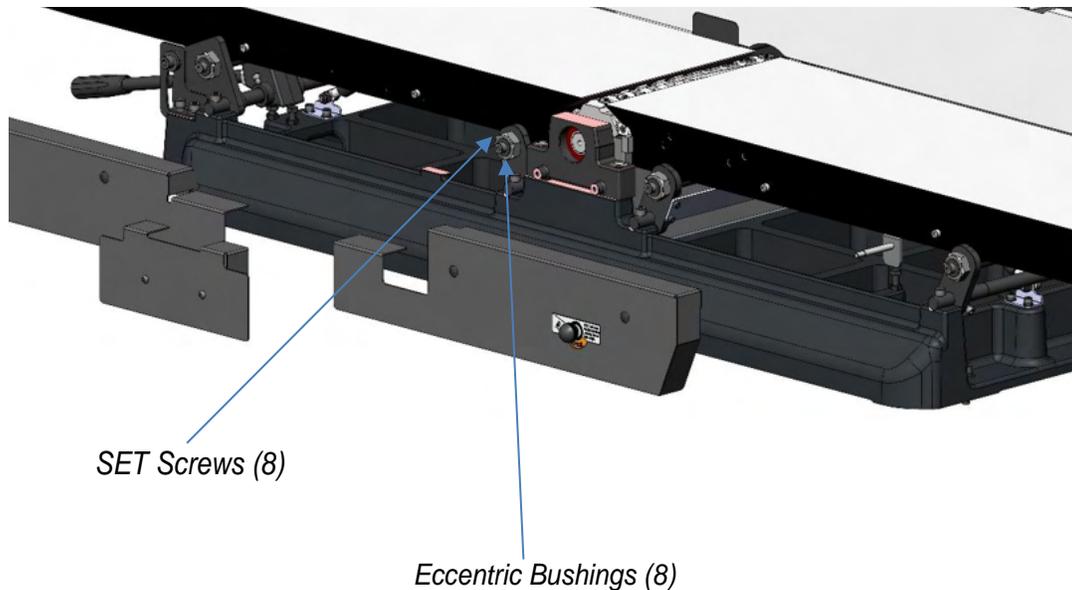


FIG. 13

SET Screws (8)

Eccentric Bushings (8)

LAGUNA TOOLS

744 Refuge Way Suite 200

Grand Prairie TX 75050

800.234.1976

www.lagunatools.com

080222