

LAMB TOOL WORKS

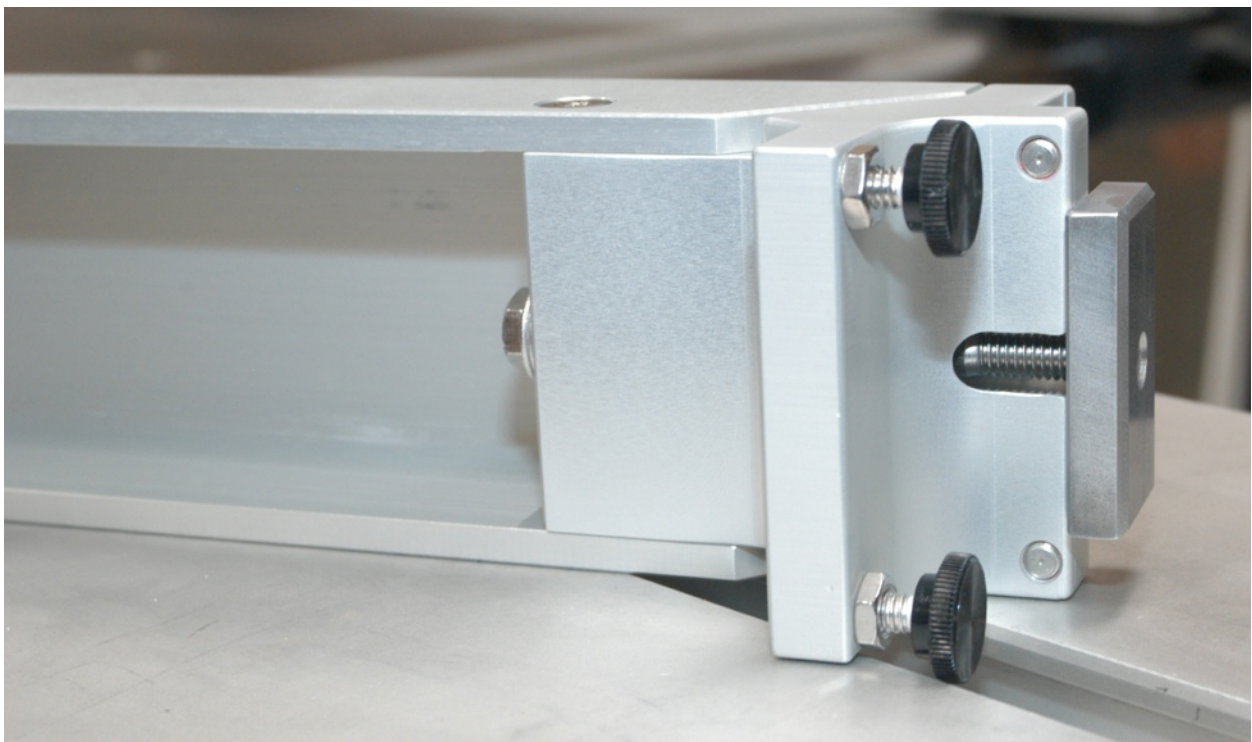
Parallel Fence Instructions for Minimax machines



You will receive the Parallel fence in a box 36" x 8" x 8". Please remove the peanuts and foam bracing that protects the unit during shipment and remove the Fence assembly. DO NOT DISCARD the Starrett Measure-Stix with the packaging, it should be located under the measuring bar, opposite the head of the unit. Blow off/remove all the bits of foam packaging debris and we will explain the set up and usage of the unit.



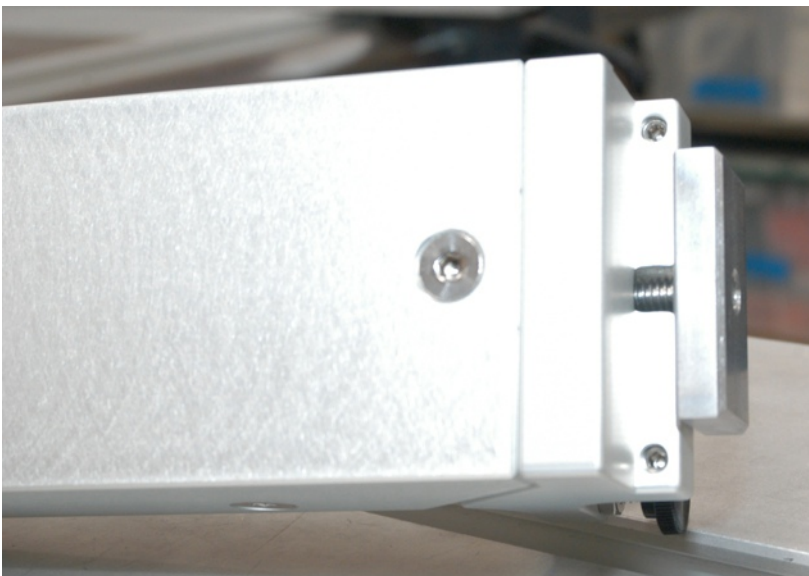
This is what the clamp will look like out of the box. The thru bolt will be holding the t-slot nut tight to the mounting head. Note that all the hardware is stainless steel, but the t-slot nut is not so you might want to oil or wax the nut to prevent rust if you live in a humid environment.



Remove the t-nut and slide it into the slot on your slider, the larger chamfers go towards your Minimax. The thru bolt is held captive in the mounting head by a keeper, so no need to worry about losing parts. You can now hold the head onto the machine, check to see if the jacks screws need adjusting to level the pitch of the parallel fence. Loosen and adjust the jack screws as necessary to get the top of the fence level. Note, it might be slightly below the surface, that is adjusted next.

You can use the bolt and slightly snug up into the t-nut to help hold the unit in place while checking, just realize you will have to release the bolt to make any adjustments on the jack screws. This might take a couple of back and forth tries, but it should be easy to get the parallel fence running parallel to the top of the slider.

Now, as shipped I have two set screws installed slightly under the surface of the tongue that rests in the t-slot. Clamping or holding a flat board on top of the slider, use feeler gages to determine how low the top surface of the fence is below the slider. Remove the fence from the machine, using dial calipers measure the width of the "tongue" where the set screws are, should be roughly .550". If the fence is .008" low, adjust the set screws so that the top to bottom reading is .558" on both screws and you should be adjusted to be perfectly level to the slider surface. The screws are installed with a mild thread locking compound, so while they will still turn, they should stay put once adjusted.



This picture shows the set screws from the top side. These will not be accessible when the head is mounted, so adjustments must be done with the head removed from the machine.



Now it is time to set the scale. With the parallel fence now mounted on your slider, extend the stop and measuring rod until the stop is at the blade. Use a piece of paper between the blade and the stop so as to not scratch the stop, but get the paper to be sticking between the high spot on the carbide tips and the stop. This is essentially “0”.

The end of the measuring rod should look similar to the picture. We have installed the hairline pointer fairly close to center of the movement available, but you should double check that and re-snug the pointer. Lightly mark the side of the rod with a pencil mark where the hairline is located.

Remove the rod from the rear block, transfer the pencil mark to the depressed slot if necessary and measure how far from the mark to the round end stop. Cut the tape measure approximately 1/2” shorter than the distance you have, say 26” if it measures 26.5”. Peel back 6” or so of the paper from the tape measure at the zero end, and carefully, aligning the whole length of the tape with the slot, stick the zero mark of the tape measure on your zero pencil line. Carefully lifting a small section at a time and peeling back the paper, stick the remainder of the tape measure into the slot. Re-install the measuring rod and double check that zero on the tape gives you zero to the blade (or 1” gives you 1”). If you are off a small amount, loosen the pointer and adjust accordingly.

That should be it for set up and adjustment. You are ready to go and accomplish parallel cuts of any length on your machine. There should be no “maintenance” issues with the fences, we have installed a UHMW pad on the clamp screw so it shouldn’t mar the measuring rod, you might add a drop of oil to the screw threads on occasion. The two support bolts have plastic covers on the heads to protect your slider. We hope you enjoy your new tool.