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How to Make your Laser Tiller Fit the Stock Perfectly!

Laser rudder stocks come in different sizes so not all tillers fit into the stock properly, if at all! The gudgeons are also screwed into the boat in different places meaning the tiller be too high over the traveller cleat and too high where the traveller rope crosses the tiller. Follow this guide if you want to know how to make your Laser Tiller fit into the stock properly, or if you want to lower the clearance that tiller has over the traveller cleat, or below the traveller.

EQUIPMENT NEEDED

- 1) Laser Tiller
- 2) Tape Measure
- 3) Grinder
- 4) Masking tape
- 5) Pen
- 6) Ruler

1) Measure the height of clearance at both the traveller cleat, and where the traveller rope goes over the top of the tiller. Using a tape measure, measure the distance from the deck of the boat to the underside of the tiller for both measurements. This can be seen in the pictures below.



2) Now tape the stock up, and draw a line along the side of the size you want to grind off the bottom of the tiller. This line should start at the amount you want to take off and angle down to the back corner where you should not grind any of the tiller away. Be careful with how much you grind away to start with - you dont want to take off to much so that the tiller then starts to hit the cleat! In our example here, we measured a 1 mm line to take off, which lowers the tiller by approximately 10 mm at the cleat end.



3) Take the tiller to the grinder, and grind away until you get to the line, making sure that you grind a flat surface away - not just round the bottom of your tiller!



4) Now take the tape of the tiller stock and put back into your rudder stock. You can now see if the tiller has been lowered enough. If not repeat until satisfied.



On our demonstration, the clearance on the traveller cleat went from 65mm down to 56mm, while clearance at the traveller rope went from 28mm down to 21mm - as shown in the pictures below.

