

POINT 65°N
Kayaks SWEDEN



Mercury Rudder Exchange

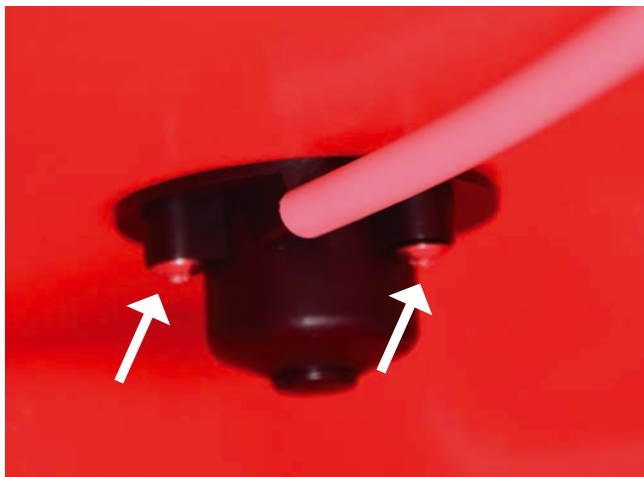
How to exchange a Mercury Rudder



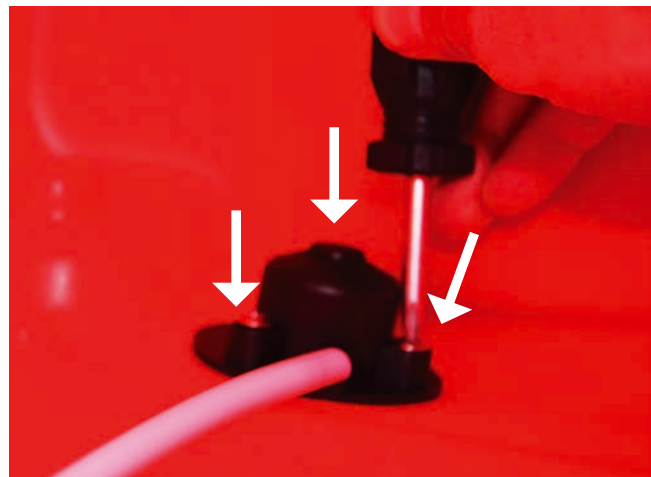
If the Rudder on your Mercury has broken as on the image above, you will need to replace it. This can take a little while as you will need to take apart the whole rudder system.



1. To take apart the Rudder, you will need four tools:
1. Plier with thin jaws at the tip
2. Screw drivers with phillips head, one long, one short
3. Wrench or socket wrench for 5mm nut



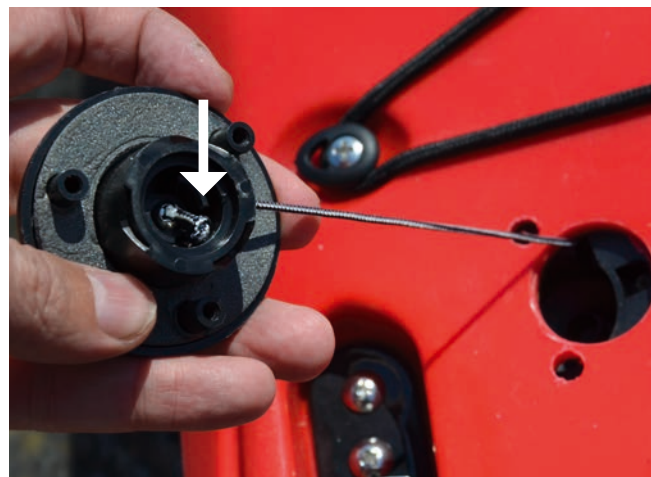
2. You start by taking apart the skeg control unit inside the back section of the kayak. open the hatch and you will see the control unit attached with 3 screws under the deck.



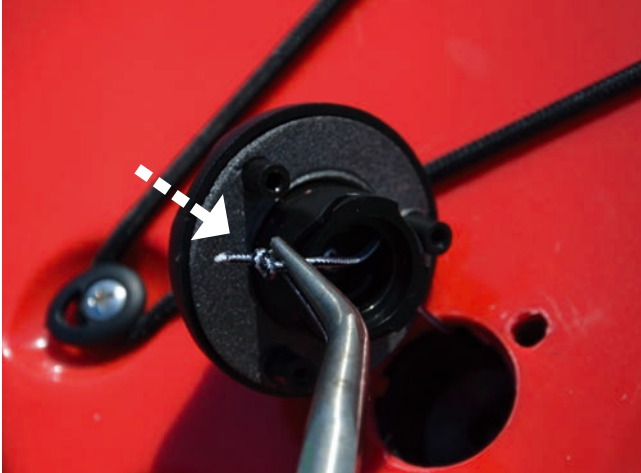
3. If you stand the aft section on its end, it will be easier for you to reach the screws. Use the short phillips screw driver, and unscrew the 3 screws inside the section.



4. When the screws have been loosened, you can pull out the skeg control unit out of the deck.



5. Pull out the Skeg control unit as far as possible. You will need to unwind the line inside the unit by twisting the control until the hole for the line outside the unit and the knot are aligned.



6. Pull out the line inside the unit , use the pleyer/tweezer to grab the line and undo the knot.



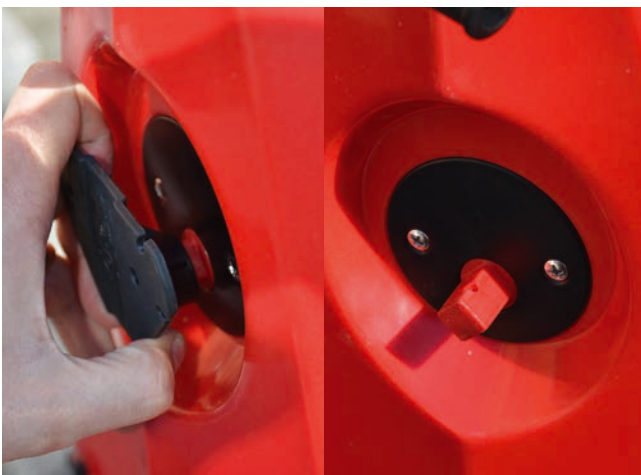
7. After this you need to undcrew the rudder head from the rudder. You will need the longer screw driver and wrench to undo the screw holding them together.



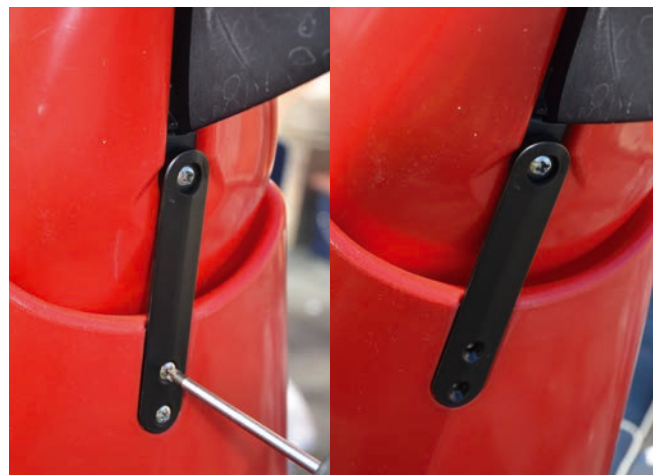
8. Hold the nut with the wrench and unscrew the screw on the other end.



9. The crew is quite long and needs to be unscrewed all the way until it comes out.



10. Pull off the Rudder head until it comes off completely.



11. Unscrew the two screws which fixate the rudder foot on the kayak.



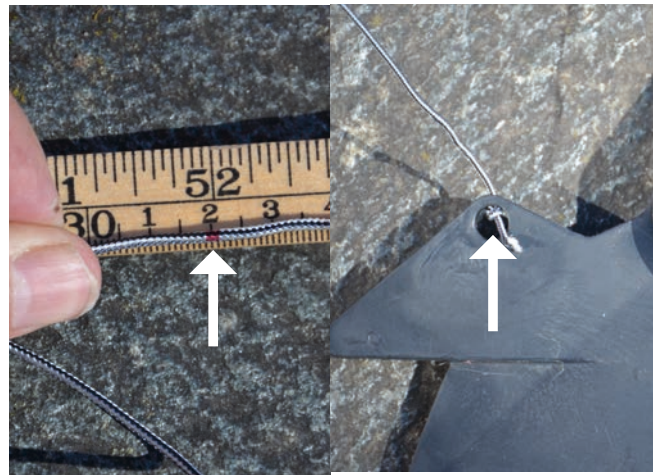
12. Pull out the whole rudder including the skeg out of the hull, the pull up line for the skeg will follow out.



13. Now you need to take out the skeg by unscrewing the large screw holding the rudder foot plate and skeg on to the rudder.



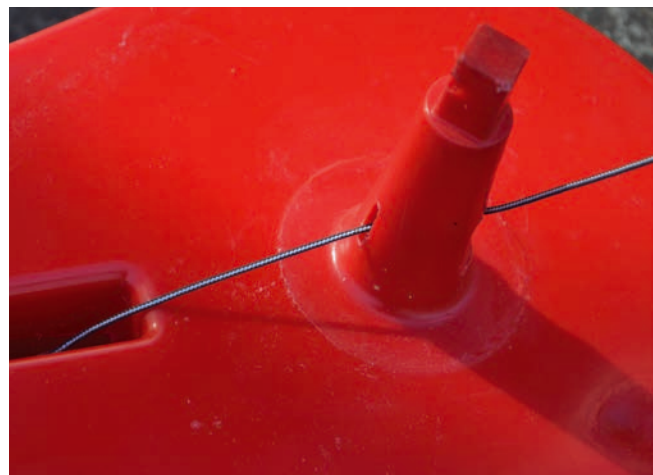
14. Pull out the skeg and line.



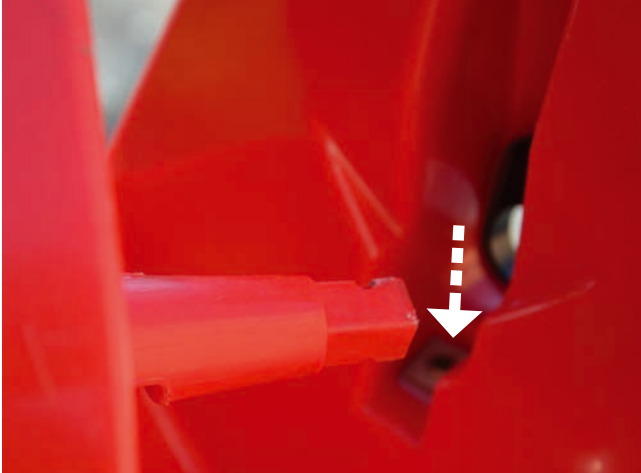
15. Make a mark with a colored pen on the line 132cm / 52 inches from the knot at the skeg .



16. Put the skeg and skeg line into the new replacement rudder.



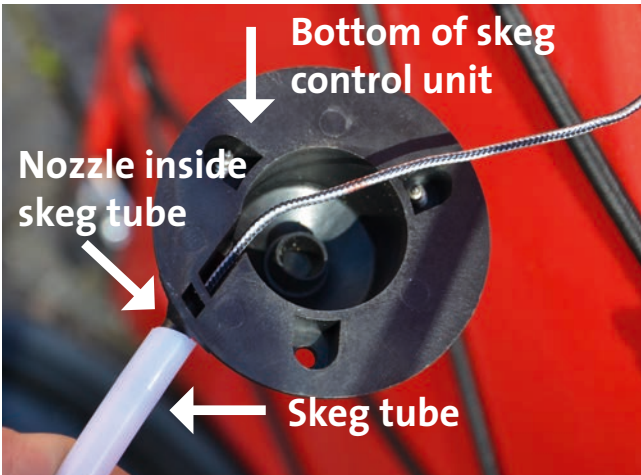
17. Pull the line up on the top of the rudder and feed it through the opening on the rudder "neck".



18. Put the end of the skeg line into the opening/hole underneath the back section where the rudder fits.



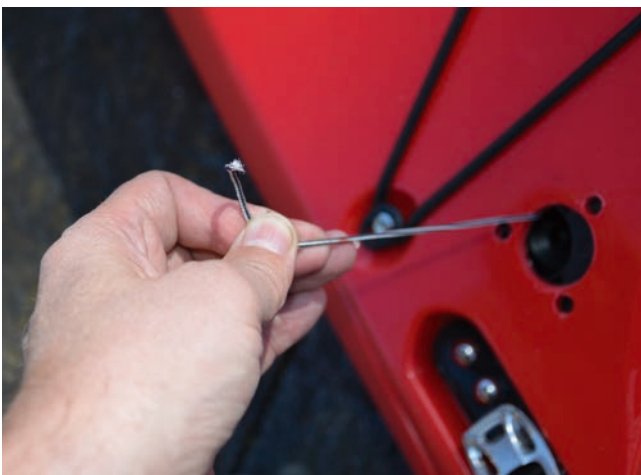
19. Feed the line into the hole and bring the rudder into position while continuing to feed the line into the hole.



20. Pull out the skeg tube through the hatch to bring out the bottom of the skeg control unit, which was first unscrewed in point 3. Pull it off the white skeg tube, so the line comes out easily, feed the line through the nozzle of the control unit and reattach it to the tube.



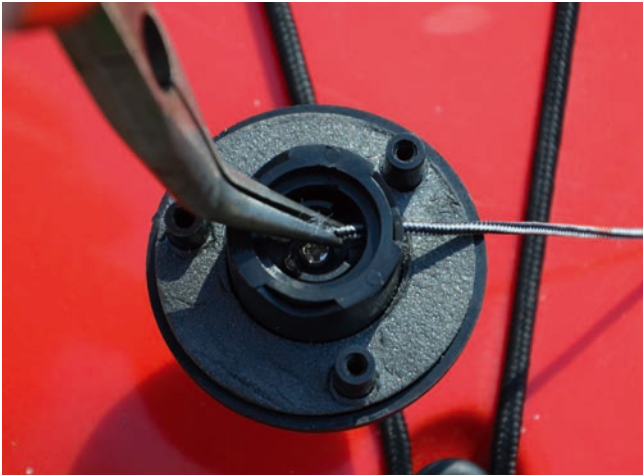
21. Fasten the Rudder foot again. Fasten the first screw halfway before putting in the second screw. Screw them on firmly.



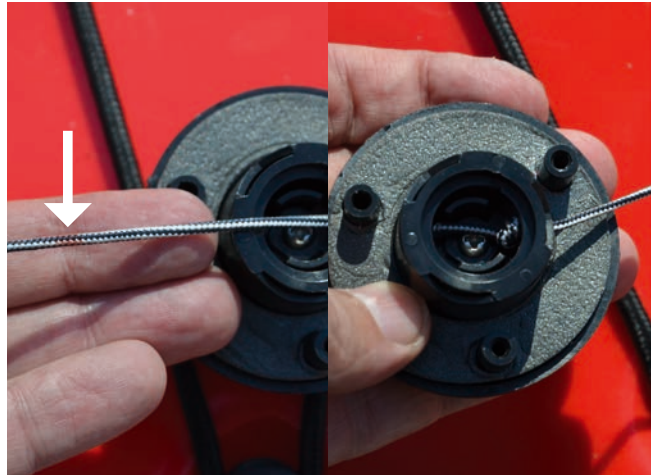
22. Place the bottom of the skeg control unit inside the back section and pull the line through the large opening.



23. Feed the end of the line through the outer hole on the skeg control unit. First make sure that the hole inside is aligned to the outer hole.



24. Use the pleyer/tweezer to pull the line through.



25. Make a knot on the colored area which you marked previously and the line is installed.



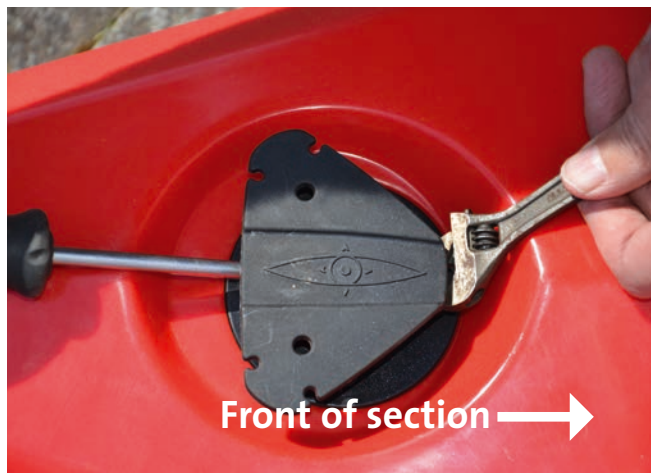
26. Place the control unit over the hole on the deck. Make sure the hole, where the line comes out, is facing backwards to line it up with the skeg tube inside.



27. Push the control unit through the holes and keep pressure on it, while aligning the bottom of the unit inside the back section. Again this will be easier to access, if the section is standing up.



28. Screw on the three screws inside the section.



29. Attach the Rudder head with the screw and nut, and your ready to go with a new rudder!