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Spinnaker chute roller replacement instructions

This document explains how to replace an existing spinnaker chute roller with a new ball bearing roller.

Tools required

10mm socket & small ratchet

25mm masking tape

Marker

1. Open the spinnaker chute hatch to expose the spinnaker chute roller. There is a black plastic end fitting attaching each end of the round aluminium tube to the spinnaker chute GRP moulding.



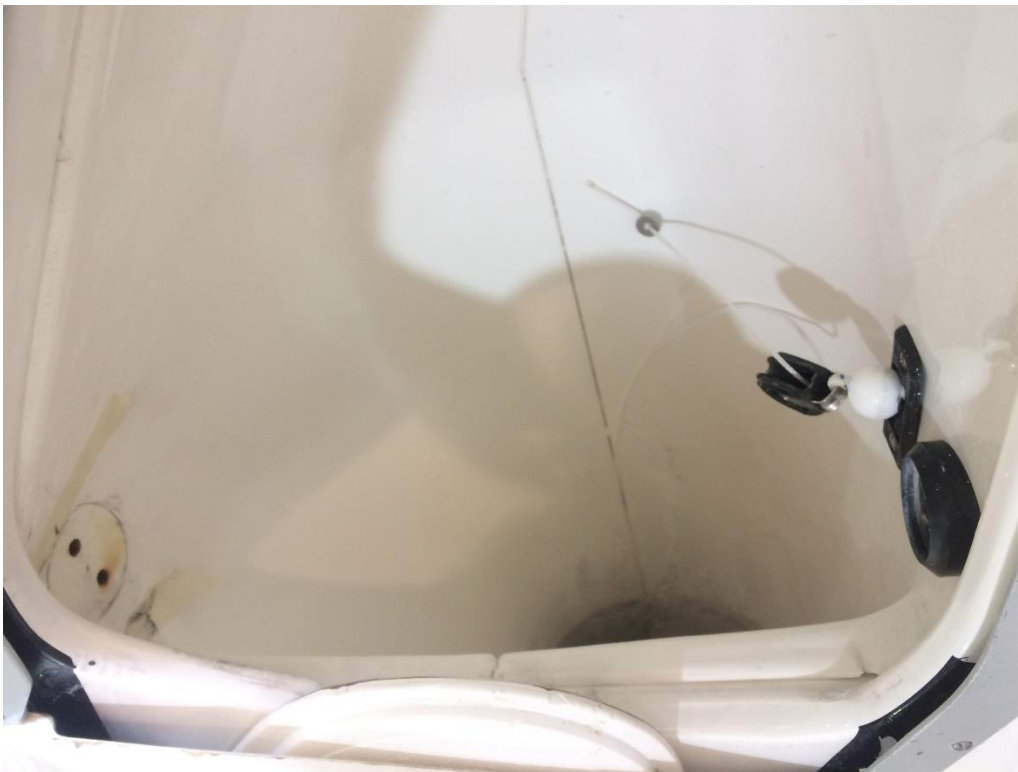
2. To help line up the when refitting later (in step 11), put a mark on the port black plastic end fitting that aligns with another mark on the port fibreglass chute moulding.

3. Climb inside the bow of the boat. Take a 10mm socket & small ratchet with you!

4. Unscrew 2 hexagon head machine screws which fix the **port** side black plastic end fitting (described in 1). **Do not remove** the starboard side hexagon head machine screws!

5. Climb out of the boat. The port fitting should come free along with the aluminium tube by pushing down and backwards.

6. Looking into the spinnaker chute, you should now see 2 holes on the port side with a marked line (that you made in stage 2) and the black plastic fitting on the starboard side.



7. Unpack the new spinnaker chute tube, which will include ball bearing rollers on both ends.



8. There is a small variation in the width of the GRP spinnaker chute moulding, so the tube is supplied slightly too long.
9. Attach the port black plastic end fitting removed in 3 to one of the bearings on the new aluminium tube.
10. Put the new aluminium tube into the GRP spinnaker chute moulding and slot the end of the aluminium tube and its bearing into the starboard black plastic end fitting (Note, the tube will be at an angle at this point)
11. Pull the port end of the tube up until the marked line on the black plastic end (removed in 4) is in line with the marked line on the chute moulding.
12. If the assembly is too tight, remove and cut off 2mm from one end of the tube and re-fit. If the tube is still too tight remove a further 2mm. (Note the tube will be tight to fit but should spin freely when correctly in place, so do not cut off too much!)



- 13 Climb into the boat and refit the 2 hexagon head machine screws into the newly positioned port side black plastic end fitting. It is helpful to have another person on the deck to help align the screw holes. The marks made in 2 should indicate the correct position.