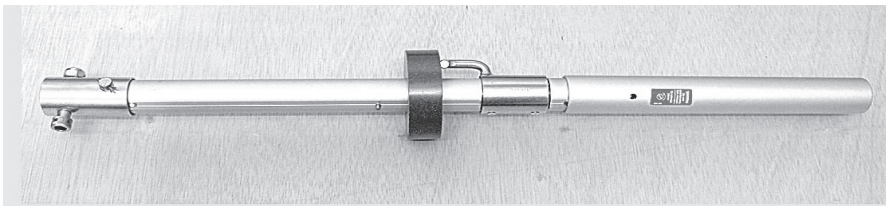
595-649-E
PHB 1501
2019-12-18

Replacing the tack assembly of a furling mast, type RB/RC

- General
- Dismantling
- Reassembly
- Check points



Pic 1.

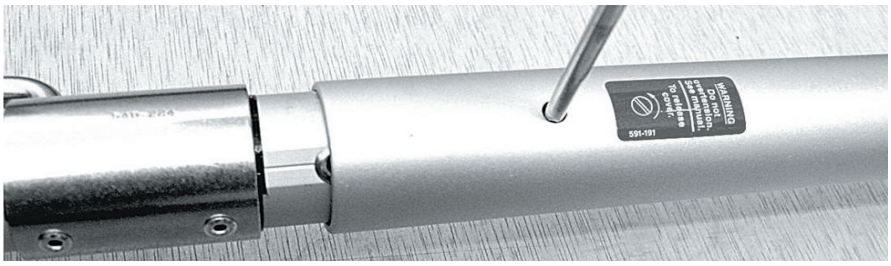
General

The tack assembly is the part of a furling mast where the sail is attached to the luff extrusion. Serious operation errors, such as trying to furl the sail without releasing the outhaul line or running the mast motor, will put excessive torque to the system. The tack assembly is by purpose the weakest part of the furling system, as it is fairly easy to replace.

Dismantling

1. Remove the two covers on port side for the access hole.

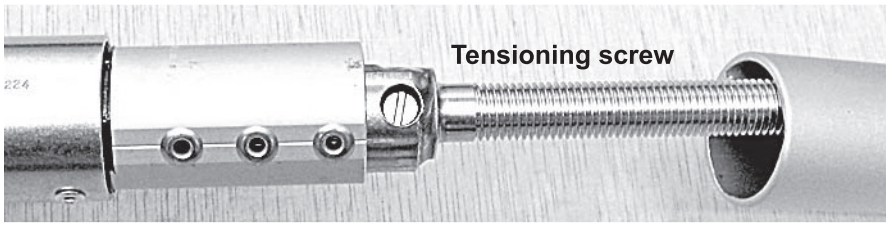
2. Loosen the locking tube by unscrewing the lock screw.



Pic 2.

3. Push up the locking tube to uncover the tensioning screw, see pic 3.

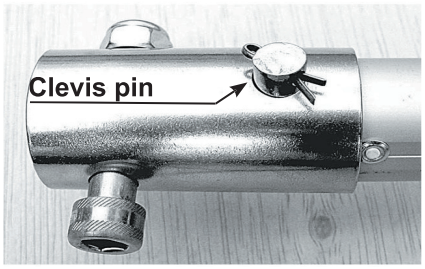
4. Release the tension in the luff extrusion. Fit a winch handle in the line drive, hold the furling extrusion through the access hole above the tensioning screw and turn the line driver anti-clockwise.



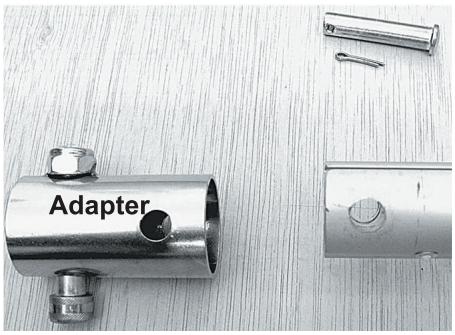
Pic 3.

5. Remove clevis pin, see pic 4.

6. Remove the adapter, see pic 5.

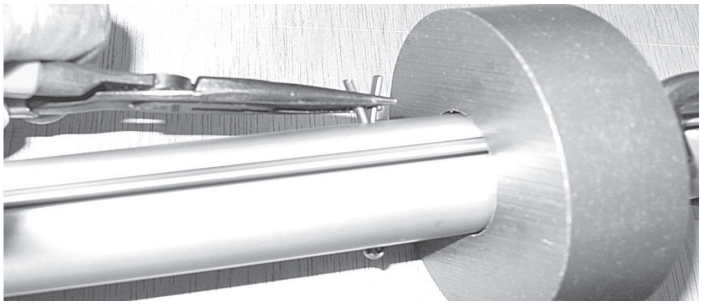


Pic 4.



Pic 5.

7. Use a pair of pliers and pull out the split pin (Ø 3,7x50), see pic 6.

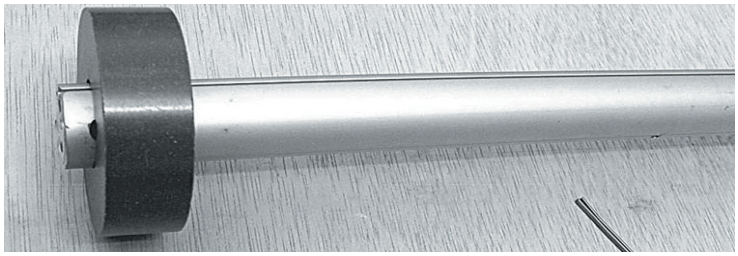


Pic 6.

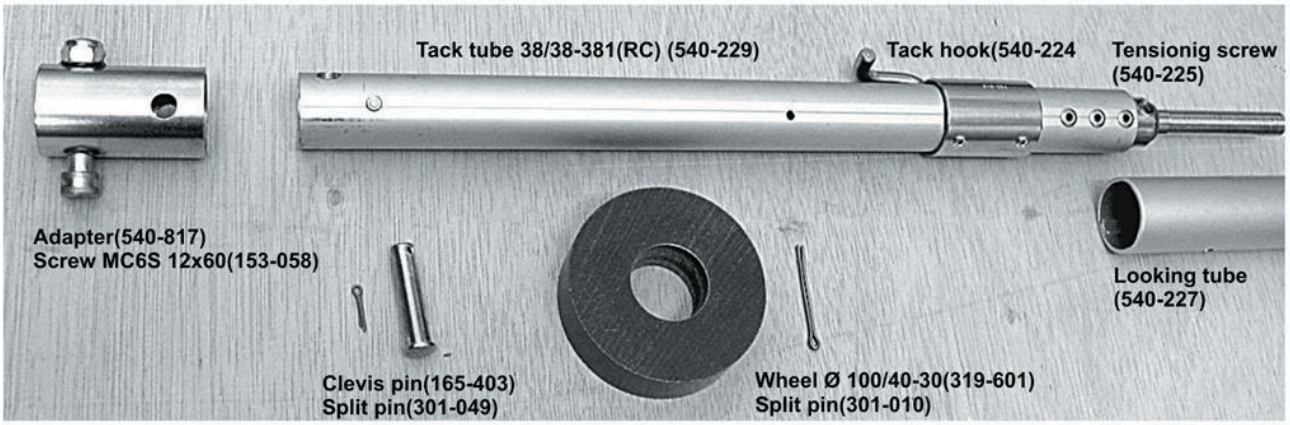
8. Pull down the wheel and take it out through one of the access holes, see pic 7.

9. Lift out the tack assembly through the upper access hole.

10. If necessary remove the adapter from the drive unit.



Pic 7.



Pic 8.

Reassembly

1. Take the new tack assembly apart, see pic 8.

2. Fit the locking tube to the sail feeder (luff extrusion) with the screw hole and label down.

3. Apply rigging screw oil to the tensioning screw.

4. Enter the tack assembly and wheel through the upper access hole and screw it on to the tensioning screw.

5. Fit wheel and push it up against the tack hook, fi t split pin in the hole under the wheel.

6. Fit the adapter and attach the tack assembly to the drive unit.

7. Tension the Luff extrusion, See instruction 597-828-E.

8. Lock the luff extrusion by sliding the locking tube down and secure it with the locking screw.

Check point

- Rotate the luff extrusion with the winch handle in the drive unit and check the function.