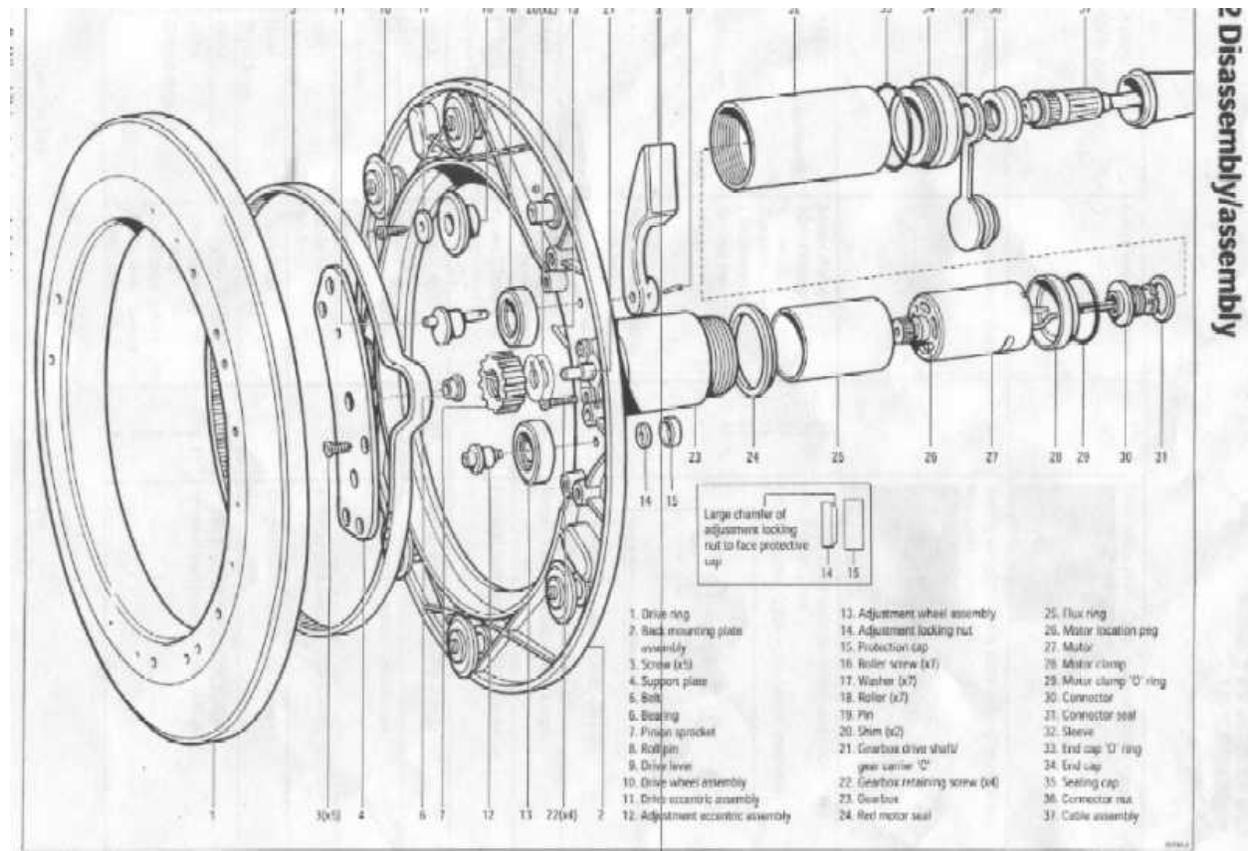




Autohelm 4000 Roller Replacement

The Autohelm 4000 wheel pilot contains 7 rollers that are evenly spaced around the wheel assembly. To separate the 2 halves of the wheel, pry carefully with a large flat screwdriver blade around the outside of the rim, in the slot between the two halves until the unit pops in half. Try to pry near where the 7 rollers are, rather than between them.



Each of the 7 rollers are on a plastic post with a brass sleeve on it. It is quite common for these posts to break off, they are very brittle. If that has happened, the wheel will not rotate smoothly. i3DGear sells a broken post repair kit which can fix this problem - see our website.

Types of rollers

Autohelm manufactured 2 different types of rollers. Early versions had 'spokes' on the underside and were quite weak. The later versions had a cone shaped roller - exactly like the ones you have been supplied - which was much stronger. The 2 types of rollers were identical in size and are interchangeable, just a slightly different design.

NOTE: Some very rare versions of the Autohelm wheel had a plastic spacer disk between large flat steel washer and the roller. The rollers in this case were slightly shorter in height. Do not use the plastic spacer disk with the i3DGear rollers - it is no longer necessary and will cause your rollers to bind.

Installation of new rollers

Remove the rollers by removing the Phillips screw on top. Remember, the post is very brittle, so be very careful.

The brass sleeve on the plastic posts are often corroded - this will inhibit your ability to put the new rollers on and will result in the post seeming to be too large of a diameter. If this is the case, clean the roller post off with steel wool with a little bit of oil or WD40 on it — again being careful not to damage the post.

Slide the new roller onto the post - large end up and put the washer on top.

IMPORTANT: When inserting the screw back into the roller, be very careful to mate the screw into the **same** thread in the plastic! Turn back and forth until the screw enters the same thread and turns easily. Failure to do this, and trying to cut a new thread in the plastic with the screw will very often result in too much rotational force and will twist the post off! Again, if you do break a post, visit the i3DGear website and order a Broken Post Repair Kit to perform a smart and clean replacement of the post.

DO NOT OVERTIGHTEN THE SCREWS! Apply just enough force that the roller stays on and doesn't move up and down. A little play is normal. The roller should spin freely and be a little loose on the post.

Reassembling the wheel

To reassemble the wheel, just snap the wheel together, making sure the belt's not in the way. It feels like it's going to break, but that's how you do it.

i3DGear sells almost every part for the Autohelm 4000 wheel pilot assembly, including the stainless steel eccentric lever cam. If you need any part (or even a fancy AutoBuddy Remote Control) visit our website! Yes, believe it or not, we have developed a wireless remote control for the Autohelm wheel pilot!

If you have any problems, please contact me.

Rick.

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