

Changing the handlebars /handlebar stem

To change the handlebars you will need:

2.5mm Allen key
3mm Allen key
5mm Allen key
6mm Allen key
Thin screwdriver
Phillips screwdriver
WD40 or other spray lubricant
Hammer

To change just the handlebar stem you will need:

3mm Allen key
5mm Allen key
6mm Allen key
Hammer

This guide will explain firstly how to change the handlebars and then how to change the handlebar stem. Please read through this guide before starting so you know which parts are applicable to you.

Step 1

To start you will need to remove the throttle and the right hand brake lever. (Fig 1)

Start by removing the throttle. You do this with a 3mm Allen key which will undo the Allen headed bolt on the underside of the throttle. Your brake lever can be undone with a 5mm Allen key in the same way which is on the top of the brake lever.

(Fig 1)



Step 2

If you are going to change the handlebars fully

Ignore step 2 for the second as you will be removing the gearshift and components on the other side of the handlebars. To do this first loosen the brake lever with a 5mm Allen key the same as in step 1 and loosen the gearshift with a 2.5mm Allen key, again the Allen headed bolt is located on the underside of the gearshift. Move all of these up the handlebars to give you better access to the rubber end cap.



To get the end rubber off you will have to insert a thin screwdriver down the inside of the cap as far as you can. This will allow you to spray some WD40 inside to help loosen the rubber enough to slide it off the handlebars. Once it slides off you can take off the gearshift and brake lever. Your bell comes off with a phillips screwdriver.

Step 3

Applicable to everyone

The next stage is to remove the rest of the handlebar from the stem and you do this by undoing the 6mm Allen key in the center of the stem. If you are changing the handlebars then you would insert your new set of handlebars in and re-attach everything making sure the angle of your throttle is correct (see below)



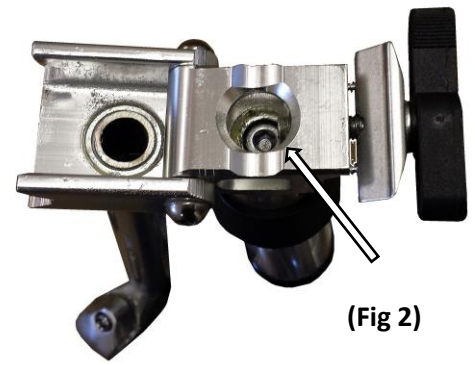
If you are carrying on to change the stem

The handlebar will then feed through the stem bracket and this leaves the rest of the wires in place so you don't have to undo them.

Step 4

After this fold your handlebar stem so you have access to the next Allen key. This is found in the middle of where the bar folds. (Fig 2) Loosen this with a 6mm Allen key until it feels loose. Don't undo too much or you will lose the wedge that forms part of the stem.

The whole stem unit should then pull out. You may need to grip the front of the bike with your legs and give the stem a twist to the side to shock it out. If it still won't budge undo the Allen key slightly more and then with the Allen key still in knock the Allen head down to release the wedge more.



(Fig 2)

Once the stem is out you just slide the one you want into the frame and tighten slightly. Thread the handlebar back through the stem and re-attach the right brake lever and throttle.

You will need to re-align the handlebars to the wheel which is why you only tighten the shaft until it holds its position. The best way is to sit on the bike and turn the handlebars until the middle of the handlebars is in line with the wheel. You can then tighten up the shaft Allen key fully being careful if it moves out of position.

If you adjust the position of the bars or the throttle please be aware that the throttle should always be kept in a downwards position as it is one of the only water ingress points of the bike. If it is facing down then water will run past and not into the control switch. If water does get in it is best left to dry out before thinking the throttle needs to be replaced. You can also try spraying the switch with some WD40 to clear out any water.



Incorrect position



Correct position