



Encoder Change - GSP100630 and GSP100635

To change the encoder board on your existing product you will need to carry out the following instructions:-



The encoder board is a printed circuit board that should be handled carefully and ensure that you avoid any static charge being discharged through the board.

Equipment Needed:- 13mm Spanners, cross head screw driver and a small flat/cross head screwdriver

1. Undo the handle, there are 4 cross head screws. Two are visible on top of the handle and have captive nuts underneath while the remaining two will be underneath the handle, the lower two screw directly into the handle and do not have nuts. Please keep the screws safe as you will need them later.
2. Once the top part of the handle opens you will notice that there is a circuit board with a display, this is the Encoder Board.
3. The knob on the side of the handle needs to be removed; first, the yellow cap needs to come off. This is quite simple and a flat headed screwdriver can be carefully used to ease the cap off
4. Once the yellow plastic cap has been removed it will expose a nut, this nut needs to be loosened using a 5mm spanner. It only needs to be turned slightly. The knob should then come off the encoder shaft you can now undo and remove the little barbed nut and small plastic part that you can see.
5. Now loosen the screws in the connector of the board to release the handle wires. Please note that you only need to loosen don't take them out altogether.
6. The Encoder board will then lift out of the handle.
7. Insert the new Encoder board making sure that the LED display is facing the up; this board will only fit into the handle one way.
8. On the outside of the handle put the small plastic part on to the encoder shaft, it needs to fit flush and will only go in one way. The barbed nut needs to then be put on and tightened gently.
9. The black knob then goes onto the shaft and needs to be tightened using a 5mm spanner. Please do not over tighten this part; it only needs to be hand tight.
10. This is the tricky part so concentrate!! The five wires from the handle wire need connecting to Encoder board. With the Encoder in the handle going from left to right as you are standing behind the trolley it goes Green, Blue, White, Red and Black, make sure each wire is gently tightened.
11. Put the top part of the handle onto the base and check that no wires are caught, re-insert all the handle screws and you are done.

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