

# Replacing Left Handlebar Assembly – Makka

A few notes before getting started:

- Some of the hardware can be very tight, and has some Loctite applied. So, it is very important to use the correct sized tools and make sure you are square on the bolts while loosening. We absolutely want to avoid stripping any hardware!

- The 2 upper bolts (Photo 2 in step 3) that secure the headlight assembly can be hard to reach. I have found that a simple “Allen-shaped” Torx key can do the trick, [HERE](#) is an example of the tool I am referring to (does not need to be this brand, but it is a good idea of the type of wrench shape we are after)

- If you are unsure at any step of the process, please don't hesitate to send me a quick email, or



1. Remove the battery

2. Cut the 2 cable securing zip ties



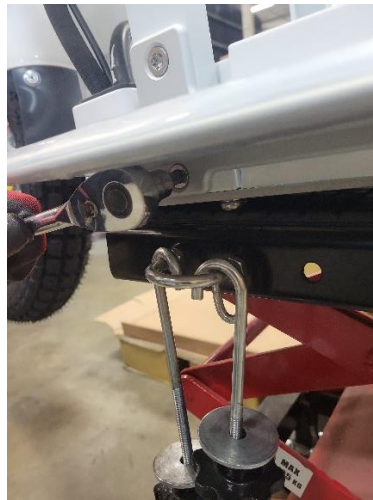
3. Remove the 4 X T45 bolts that secure the headlight assembly. Use a strap, rubber band, or similar to suspend the headlight assembly. We want to avoid letting the headlight hang by the wires.



4. Disconnect the 2 white JST connections coming from the handlebar assembly. Take note (or photo) of how the cables and plugs are packed into this area, as it will be helpful upon re-install.



5. Remove the ride side foot plate by removing the 4 X T45 bolts



6. Remove 3 X T25 screws on left side plastic body work. Remove the Bodywork piece.



7. FOR REINSTALLATION: make sure to get the two rubber gromets in place, as it will help with the re-installation of the plastic bodywork piece.



7. Cut the cable ties beneath the plastic bodywork



8. Loosen the 2 Philips head screws that fasten the handlebar assembly, the assembly will slide off the end of the bar.



9. Remove the rear brake caliper by removing the 2 X T45 Bolts



10. Remove the entire assembly.

11. Make sure the securing threaded clips are in place before reinstalling the plastic bodywork



12. Reverse the above steps for the installation of the new assembly.

13. Do not forget to install the handlebar shim when tightening the new assembly to the handlebar!