

# 2010 MC101R - ECU (controller) replacement instructions

Before beginning make sure the battery is disconnected from the cart and the main power switch is OFF.

1. Set the cart up on a workbench or workmate and fully unfold it and lock in the unfolded position.
2. Remove the battery tray rubber pad to expose the 2 philips head screws holding the ECU to the underside of the battery tray. Remove the 2 screws.
3. Tilt the handle down so that the entire cart rotates up so underside is exposed allowing easy access to the ECU. Support the handle and clamp it down if possible.
4. Remove the other 2 screws on the corners of the ECU lid. Separate the lid from the main body and save the rubber gasket for reinstallation. This will expose the connectors on the ECU. There are 6 terminals and a main electrical connector with several pins on it. 2 motors + and -, one main power + and -, and the 4-pin connector.
5. Gently pull each terminal off the connectors noting the locations and wire colors. They are not soldered and should come off quite easily. You will connect these to the new ECU exactly the same way they were on the old one.
6. Reseat the rubber gasket into the slot around the casing of the new ECU - if the gasket doesn't fully extend all the way around the slot, fill the void with some silicone seal to waterproof the seal.
7. Reconnect the terminals and main connector to the new ECU.

Connect as follows:

Power leads: Brown to J5 BATT+ / Blue to J6 BATT-

Left Motor Leads: Black to J2 / Red to J1

Right Motor Leads: Black to J4 / Red to J3

4 Pin connector to 4 pin connector - only goes on one way.

8. Reinsert the 2 screws into the two corners of the ECU lid - the ones that don't line up with the battery tray holes.
9. Reinsert the 2 screws through the top of the battery tray into the other two corners of the ECU box and tighten snugly.
10. Install the main battery and test all functions manual and remote, while the cart is still on the bench with wheels raised off the surface.

Good work - you should be good to go!!

Please refer to the pics below and contact us if you have any problems or questions. [info@parcaddy.ca](mailto:info@parcaddy.ca)



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