

## EZ-Ride Electric Motor Replacement Instructions

Also see OCU and Throttle Replacement Instructions to understand how to get inside the EZ-Ride and how to install the throttle / OCU



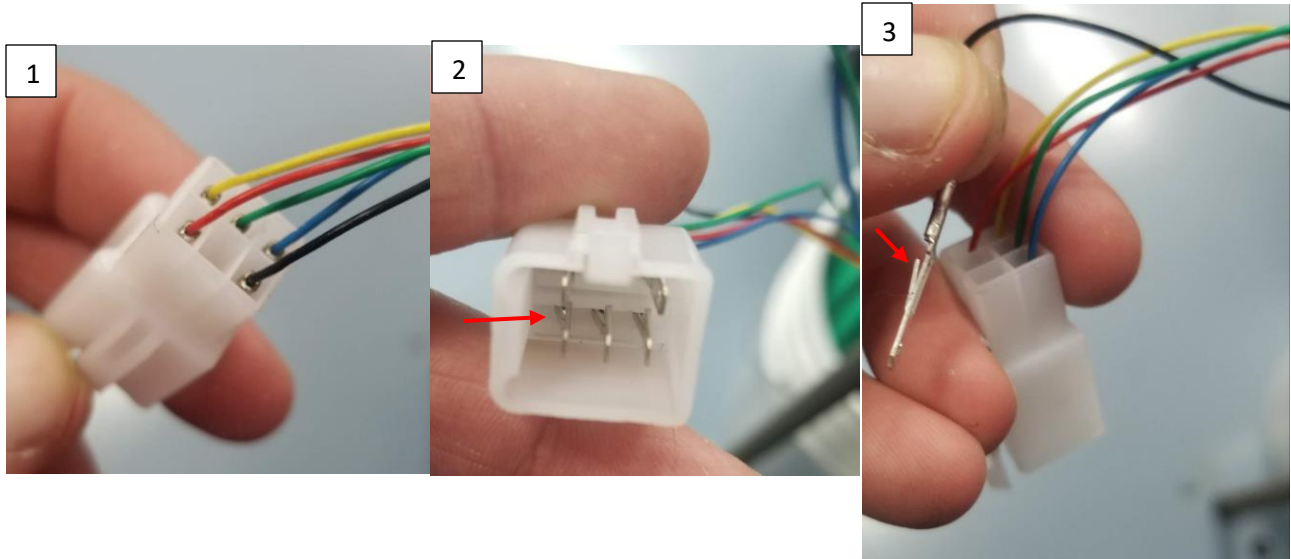
Step 1: Remove the two axle nuts and the two screws (one for the drum brake and the other holding on the fender and light).



Left

Right

Step 2: Image 1 shows the correct wiring for the motor's internal sensor. You will need to remove the pins by compressing the flange on the pin (see image 2 and 3) and gently pulling the wire out. Do for each pin. Use a paper clip or 2mm-2.5mm hex key to compress the flange.



Step 3: Carefully push the wires through the rubber grommet one at a time, you should not have to force the wires through the opening.



Step 4: Once the motor wires are free, the wheel is ready to be removed. Bend the forks slightly to get the metal tab on the outer washers out of the slot on the forks. Try to remove the wheel without disconnecting the brake line. If unable to remove the wheel with the brake line connected, unscrew the nut indicated by the red arrow but be mindful of the compressed spring.



Step 5: Use the washers from the old wheel and place them on the new wheel after inserting the brake into the new wheel. Then, connect the new wheel to the forks.

Step 6: Carefully insert the motor wires back through the rubber grommet at the top of the forks (see step 3 images).

Step 7: Insert the sensor wires back into the white connector as shown in Step 2 Image 1. The wire colors should match the white male connector on the control unit.

Step 8: Make sure all components are connected to the control unit, connect the battery last.

Step 9: Turn on the EZ-Ride and make sure everything is working correctly (Electric motor, light, horn). Run through each drive mode, test cruise control, and reverse mode.

Step 10: If everything works properly then tighten the axle nuts to secure the wheel. Also insert the brake screw indicated on the upper right side of the image in Step 1.

Step 11: Carefully insert all of the electronics and foam padding back into the EZ-Ride as close as possible to how it was when you removed it.