

Service Procedure for:

eGO[®] Cycle Helio[™] Cycle



Controller Fuse Inspection

Models applicable:

EC-100 EC-200 EC-200EU EC-300

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TIME NEEDED:

10 min.

SKILLS REQUIRED:

TOOLS and EQUIPMENT REQUIRED:

Allen wrenches:

- 2mm
- 3mm
- 4mm
- 5mm
- 6mm

Open end wrenches:

- 8mm
- 10mm
- 12mm
- 13mm
- 15mm

Other tools:

PARTS REQUIRED:

- 12amp replacement fuse

OVERVIEW:

To inspect and replace the controller fuse you will need to remove the dash panel - locate the correct fuse holder, open it and visually inspect and replace the fuse.

Preparation & Safety:

- Always Wear EYE protection during any Service Procedure
- Make sure the Key is REMOVED from the switch
- Make sure the AC plug is NOT Plugged in
- Remove all watches, rings, jewelry from your hands

PROCEDURE DESCRIPTION:

A) Remove the dash panel:

1. Remove the six machine screws from the sides of the dash panel using the 3mm allen wrench.
2. Remove Dash Panel and set aside to allow access to Contactor and Controller. (Do not disconnect any wires from the dash - the wires are long enough to allow you to set the dash aside the chassis without having to remove wires.)

Before proceeding - confirm controller function: Make sure there are no tools in the chassis - insert the key in the dash and turn on the eGO. Locate the GREEN indicator light on the motor controller box (the blue box in the lower right side.) If the LED indicator light is turned on or flashing, then the controller is functioning and the fuse is not in question. See the diagnostic guide for next steps. If the LED indicator light is dark - the controller is not functioning and the fuse should be inspected. Proceed to step B.

B) Locate and Inspect Fuse:

1. Locate the thick black wire harness bundle that connects the dash electronics to the vehicle electronics.
2. Protruding from the black wire bundle near the vehicle end of the bundle are two red wires - select the red that has a white plastic in-line fuse holder about 3 inches from the end of the black bundle cover. Note: There are two red wires in the chassis that have white plastic fuse holders - one connected to the charger (dark box on the left) - and one that extends from the black wire bundle. You want to choose the red wire that extends from the black wire bundle.
3. Open the fuse holder with your fingers by grabbing the two ends of the holder, push the two ends towards each other and twisting then releasing.
4. After pulling the two ends of the holder apart - you will see the fuse. Inspect the fuse by holding it up to the light. You should see only clear clean glass and continuous wire extending from one end of the fuse to the other. If you see black or brown smudges on the glass or a clearly broken wire or no wire at all, the fuse

has blown and must be replaced.

C) Replace the Fuse:

1. Replace the fuse (using a new 12amp fuse if blown) in the holder - push the two ends together while aligning the two plastic parts. Twist to close and release.
2. If the fused was blown (it is often caused by a short in your headlight or tail light wires) please check to make sure that your headlight and tail light wires are connected properly behind the front wheel.

Before proceeding to close the dash - confirm controller function: Make sure there are no tools in the chassis - insert the key in the dash and turn on the eGO. Locate the GREEN indicator light on the motor controller box (the blue box in the lower right side.) If the LED indicator light is steady green, then the controller is functioning and the fuse is not in question, proceed to step 10. If the light is flashing, then the controller is working but there is another problem - See the diagnostic guide for next steps. If the LED indicator light is dark - the controller is not functioning and the fuse is either burned out or not properly installed, or the controller has failed and must be replaced. Re-inspect/replace the fuse and test again before concluding the controller has failed.

D) Replace Dash Panel:

1. Replace the Dash on the chassis and align screw holes (be sure that wires are not pinched between the dash and the chassis.)
2. Replace the six 3mm allen screws on the sides of the Dash, do not tighten until all screws have been positioned properly
3. Tighten the screws (Note: These screws do not need to be more than snug with the 3mm allen wrench.

Testing:

After the dash is fully assembled, turn on the eGO with the key and ride on.

Troubleshooting:

I have replaced the fuse, but as soon as I turn on the eGO - the fuse blows again.

There is a short most likely in your headlight or tail light wiring. Examine the wiring to clear the short

I have replaced the fuse, but the eGO still will not drive.

There is a different electrical fault - please see the diagnostic guide for other electrical fault explanations