

Service Procedure for:

eGO[®] Cycle Helio[™] Cycle



Battery Removal / Installation

Models applicable:

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

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TIME NEEDED:

10 min.

SKILLS REQUIRED:

Basic Mechanical

TOOLS and EQUIPMENT REQUIRED:

Allen wrenches:

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

Open end wrenches:

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

Other tools:

PARTS REQUIRED:

- Two new 12v eGO Cycle Batteries (if you are replacing your batteries)

OVERVIEW:

To remove and reinstall Two New eGO cycle Batteries you will open the battery door, disconnect the battery wire harness connectors **in the order listed**, disconnect the hold down strap and lift the batteries out of the chassis. Installation requires that you **pay particular attention to reconnecting the wire harness in the proper order.**

Preparation & Safety:

- Always Wear EYE protection during and Service Procedure
- Make sure the Key is REMOVED from the switch
- Make sure the AC charging cord is disconnected
- Remove all watches, rings, jewelry from your hands

PROCEDURE DESCRIPTION:

BATTERY REMOVAL

1. With a 3mm allen wrench remove the two machine screws on the foot rest holding the battery door in place
2. Remove the battery door
3. Disconnect (by pulling apart) the Red to Black colored battery connector on the kickstand side of the cycle
4. Disconnect (by pulling apart) the Black to Black battery connector near the front of the battery compartment
5. Disconnect the Red to Red colored battery connector near the front of the battery compartment
6. Disconnect the Green wire (if present) from the rear battery (by pulling apart the white connectors.)
7. Disconnect the black nylon battery strap holding the batteries down into the chassis
8. Remove the rear battery from the cycle
9. Remove the front battery from the cycle

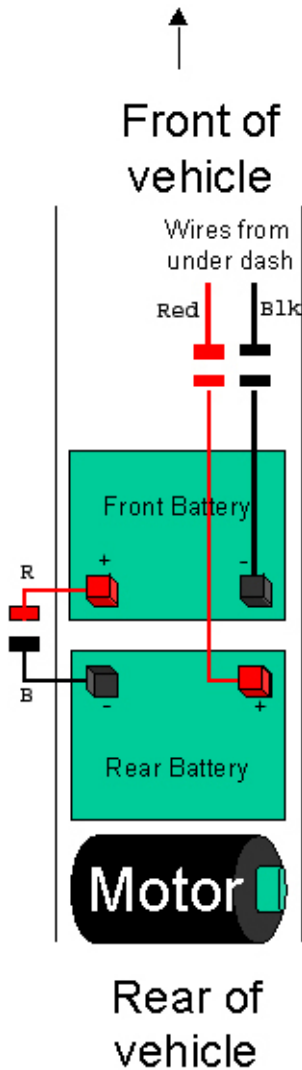
NOTE: If you are REPLACING old batteries with new batteries - you may need to move the wire terminals and covers from your old batteries to your new batteries. It is easiest to do this when the batteries are removed from the vehicle. CAUTION: When removing wire terminals from the battery post - do not allow metal tools to touch both battery terminals at the same time. Be careful that the red wire terminals are connected to the (+) battery posts and the black wire terminals are connected to the (-) battery posts.

BATTERY INSTALLATION

1. Replace the **front Battery - Terminal Posts to the Rear of the vehicle** - and the

forward edge of the battery aligned with the forward tie-down strap slot at the bottom of the chassis.

2. Replace the **rear** Battery - **Terminal Posts to the Front of the vehicle** - and the rear edge of the battery just forward of the motor
3. Push down the battery handles so they fold flush with the top of the batteries.
4. Connect the black nylon battery strap holding the batteries down into the chassis - tightly (adjust tension of the nylon strap if necessary)
5. On the **RIGHT** side of the battery pack, connect the **RED** battery connector from the **RIGHT** side of the battery pack to the **RED** connector protruding from under the dash. (It may be necessary to remove the dash to get a better hold on the chassis side red connector.)
6. Connect the **BLACK** battery connector from the **RIGHT** side of battery pack to the **BLACK** connector protruding from under the dash. (It may be necessary to remove the dash to get a better hold on the chassis side red connector.)
7. On the **LEFT** side (kickstand side) of the battery pack, connect the **RED** battery connector to the adjacent **BLACK** battery connector.
8. Connect the Green wire protruding from under the dash to the green wire on the left side of the battery pack. (small white plastic connectors.)



(Note: This drawing will display and can be printed in color.)

Replace Battery Deck:

9. Replace the Battery Deck on the chassis and align screw holes
10. Replace and secure the two 3mm allen screws

Testing:

1. Insert Key and turn cycle on - check to see battery display and rear brake light activated.
2. With the back wheel elevated off the floor rotate throttle to check motor response.

Troubleshooting:

I turn the key, but nothing happens

- Check to be sure you have connected the batteries properly - including the black to red connection on the left of the vehicle
- Check to be sure that during the service process you did not pull loose any connections on the back of the key switch

- Check to be sure that the controller fuse is not burned out. (see the Controller Fuse Inspection procedure)