

Service Procedure for:

eGO[®] Cycle Helio[™] Cycle



Motor Mount Removal

Models applicable:

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

Revision date: 04/23/2003 04:08:44 PM

TIME NEEDED:

40 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:

●

OVERVIEW:

To remove and reinstall the motor mount you will first remove the rear wheel, remove the batteries, remove the motor mount bolts and slide the motor mount from the chassis.

Preparation & Safety:

- Always Wear EYE protection during any 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:

Begin by placing the eGO on a stand to support the eGO securely and conveniently with the rear wheel off the ground.

A) Remove the Batteries:

Follow step 'A' of the 'Battery Removal / Installation' procedure

B) Remove the Rear Wheel:

Follow steps 'A' and 'B' of the 'Rear Wheel Removal and Installation' procedure

C) Remove the motor mount assembly from chassis:

1. With the 10mm wrench remove the four hex bolts located on the belly of the chassis - These bolts thread into the motor mount
2. Remove the two bolts that attach the rear seat stays (two painted tubes that extend from the seat, back towards the rear wheel) to the chassis near the rear axle. (This step relieves pressure on the top motor mount bolts at the base of the seat tube)
3. On the top of the chassis, remove the two 4mm allen screws from the seat tube base - these screws thread into the top of the motor mount inside the chassis.
4. Remove the motor/motor mount assembly from the chassis by sliding forward and rotating it up and out of the chassis (be careful not to tear the two cables that run to the rear brake and tail light along the left side of the battery compartment.)
5. You may need to tap the motor from the rear with a rubber mallet to allow it to move forward from its factory positioning.

Note: Primary belt tension adjustments and motor MOUNT replacements can be performed without disconnecting the motor power wires. The motor wires are long enough that you may set the motor mount near the chassis w/o having to detach the motor wires. You will only need to detach the motor wires from the vehicle wiring

system if you need to replace the motor or move the motor mount assembly away from the vehicle. (See the 'Motor Replacement' procedure Step 'E' for information on how to detach the motor cables from the cycle.)

D. Install the Motor Mount Assembly:

1. Place the motor mount assembly back into the chassis and slide into position at the back of the chassis cavity.
2. Align the threaded holes at the top of the motor mount with the holes at the base of the seat tube and chassis. (you may need to use a rubber mallet to tap the motor mount back into proper alignment with the holes in the chassis.
3. Insert and finger tighten the two 4mm allen screws to hold the seat tube and motor mount to the chassis, **DO NOT TIGHTEN**
4. Align the threaded holes of the motor mount with the holes in the bottom of the chassis. Insert and finger tighten the four 10mm hex bolts, **DO NOT TIGHTEN**
5. Tighten the two 4mm allen seatpost screws into the top of the chassis at the seat tube
6. Tighten the four 10mm hex bolts into the chassis bottom
7. Re-connect the seat stays to the chassis. You may need to deflect the stays slightly to allow for clear alignment of the bolts

E. Install the Rear Wheel: Follow Steps 'C' through 'E' of the '**Rear Wheel Removal and Installation**' procedure

F. Install the batteries: Follow Step 'B' of the '**Battery Removal / Installation**' procedure

Testing:

Insert Key and turn cycle on. With the Back wheel elevated off the floor rotate throttle to initiate Motor/Belt response. Perform the testing steps described in the '**Rear Wheel Removal and Installation**' procedure.

Troubleshooting:

Review the troubleshooting steps in the Rear Wheel Removal and Installation procedure, and the '**Battery Removal/Installation**' procedure