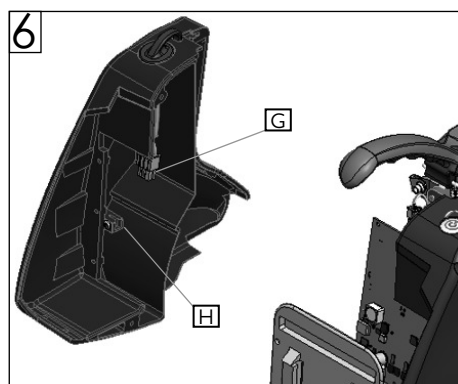
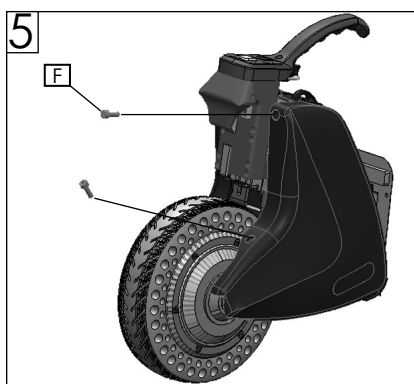
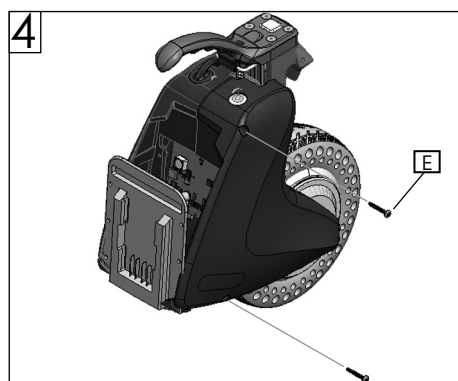
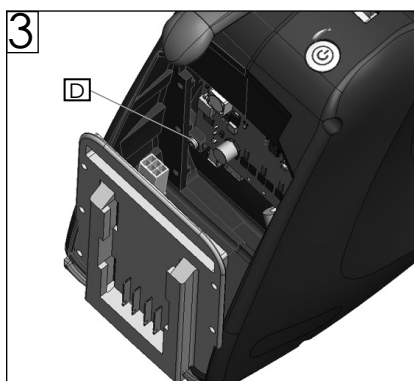
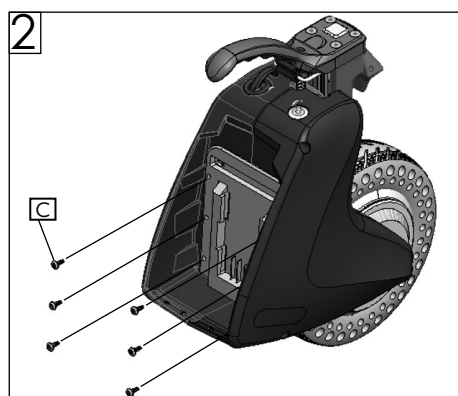
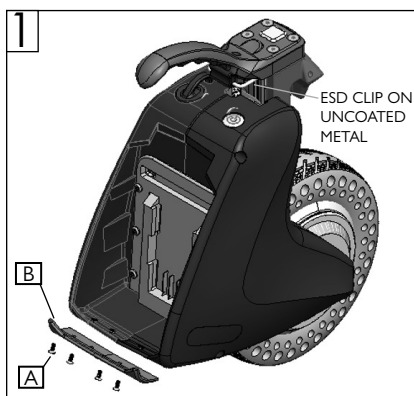




Please read these instructions carefully before beginning the assembly. Failure to understand and follow assembly instructions may result in injury to technician and/or end user and may void the warranty. If you have any questions call Sunrise Medical Technical Support at +1 (800) 333-4000.

### Tools required

1. Allen wrench, sizes: 2mm, 4mm
2. Flat head screw driver
3. T-handle, sizes: T-15, T-20
4. ESD (Electrostatic Discharge) Field Kit 8501 or 8507



Before beginning the PCB replacement, ensure you heed the following warnings.

### ⚠ WARNING

Minimal electronics experience is required to complete Shroud Replacement.

### ⚠ WARNING

Ensure your work surface is free of any build up of liquids and/or static electricity. Touch a metal surface to bleed off static electricity prior to touching the PCB (Printed Circuit Board).

### ⚠ WARNING

Keep the new PCB in the ESD (Electrostatic Discharge) protective packaging bag until it is ready to install.

### ⚠ WARNING

Limit touching of the PCB to outer edges with as light a touch as possible, minimizing pressure on the PCB.

### ⚠ WARNING

If the PCB must remain outside of the enclosure, place it in a static protective bag until ready for reassembly.

### ⚠ WARNING

Attach the ground cord from the ESD Field Kit to the uncoated metal shown in Figure 1. Follow all instructions provided in the ESD Field Kit to ensure not to damage the PCB.

1. To remove skid plate (B), use an M2 Allen wrench to remove screws (A). (Fig. 1)
2. To remove battery plate hardware, use a T-20 t-handle to remove torx screws (C) and loosen the battery plate (Fig. 2)
3. To loosen PCB mounting hardware, use a T-15 t-handle to loosen screw (D). (Fig. 3)
4. To remove hardware on side of shroud, use a T-20 t-handle to remove screws (E). (Fig. 4)
5. To remove hardware on front of shroud, use a M4 Allen wrench to remove socket head screws (F). (Fig. 5)
6. To remove the left shroud, disconnect the charger port harness (G). Then, remove the shroud. (Fig. 6)

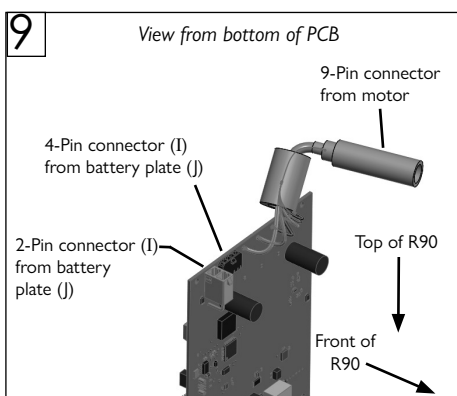
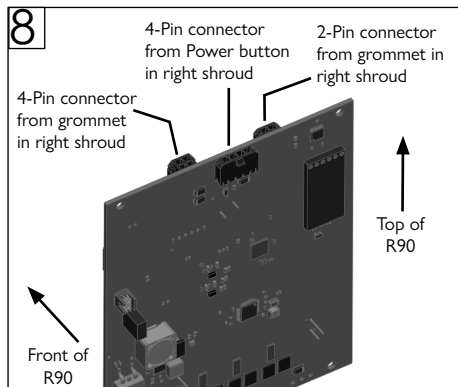
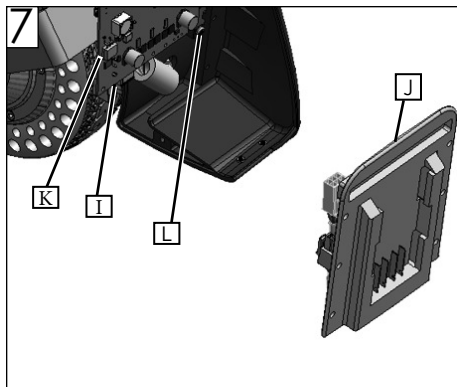


### DEALER/TECHNICIAN WARNING

Attention dealers and qualified technicians, do not operate or service this device without first reading the owners manual. If you do not understand the instructions and warnings in the owners manual please contact the Sunrise Medical Technical Service Department before operating and/or servicing the Empulse device. Failure to do so may result in damage and/or injury.

Find more information and important warnings in the device owner's manual or at: [www.SunriseMedical.com](http://www.SunriseMedical.com).

**Sunrise Medical 2842 N. Business Park Ave Fresno, CA 93727 USA**



7. To remove the PCB (K) from the right shroud, loosen the screw (L). (Fig. 7)  
Note: for reassembly, ensure screw is aligned with PCB mounting hole.
8. Disconnect the connectors from the top of the PCB (Fig 8). Pull the 9-Pin connector from the motor (Fig 9) through the right shroud before disconnecting. Ensure the motor harness stays on the outside until the new PCB is connected.
9. Disconnect the connectors (I) from the bottom of the PCB (Fig 9), and remove the battery plate (J). (Fig. 7)
10. Note the orientation of the PCB shown in Figure 8 and 9 before installing the new PCB. Incorrect installation will result in damage to the PCB. Connect the motor connector from the new PCB first. Push the motor connector back through the hole in the right shroud.
11. Connect the connectors on the top of the PCB (Fig. 8). Connect the connectors from the battery plate (J) to the bottom of the PCB (Fig. 9). Re-connect the connector from the charger port (G) (Fig. 6) to the battery plate (J).
12. Complete reassembly by following steps 1-8 in reverse.