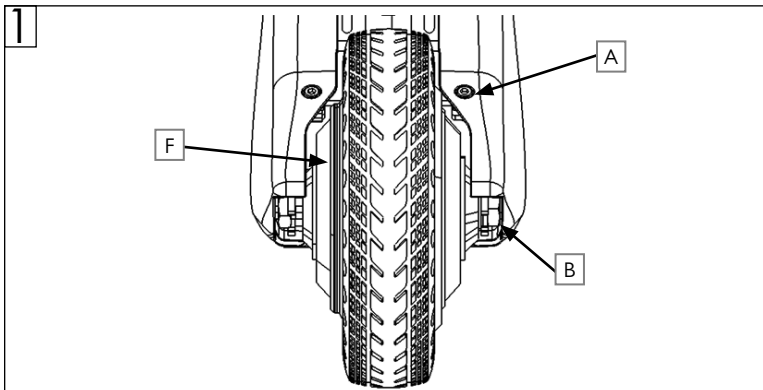




Please read these instructions carefully before beginning the assembly. Failure to understand and follow assembly instructions may result in injury to technician and/or end user and may void the warranty. If you have any questions call Sunrise Medical Technical Support at +1 (800) 333-4000.

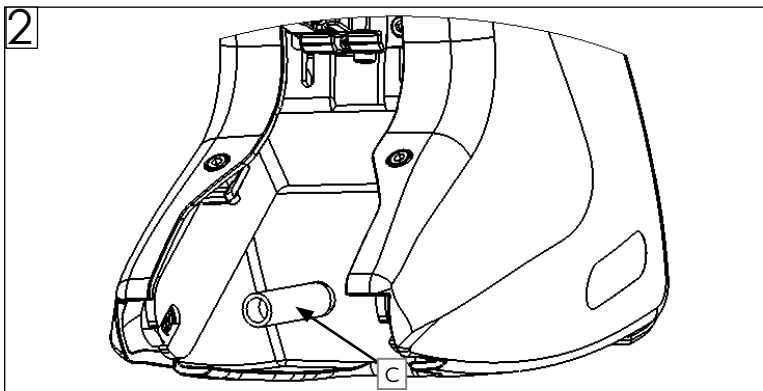


Parts

- | | |
|---------------------------|-------------------------------|
| 1. Tire installation cone | 6. M8 hex nut (x4) |
| 2. Bottom clamp | 7. M6x30mm BHCS (x7) |
| 3. Top clamp | 8. M4x25 SHCS (x3) |
| 4. M8x150mm hex head (x4) | 9. M4x16mm SHCS (x6) |
| 5. M8 flat washer (x8) | 10. M12x1.25 hex jam nut (x2) |

Tools required

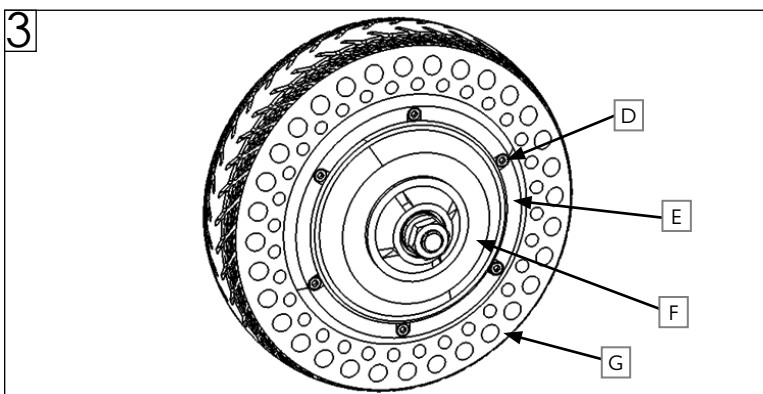
- | | |
|------------------------------------|--|
| 1. 4mm allen wrench | 6. Torque wrench |
| 2. Slim 19mm wrench | 7. R90 Tire Replacement Tool P/N 257350 (available on Sun-parts) |
| 3. 3mm allen wrench | |
| 4. Flat screwdriver | |
| 5. 13mm combination wrench (qty 2) | |



A. Removing the tire:

1. Use a 4mm allen wrench to loosen/remove the shroud hardware (A) for ease of disassembly. (Fig 1)
2. Remove the motor (F): use a slim 19mm wrench to remove and discard the M12 hex jam nuts (B). (Fig 1)
3. Pull the motor out of the slot and unplug the motor connector (C). (Fig 2)
4. Remove and discard the collar screws (D) that hold the collar using a 3mm Allen wrench. (Fig 3)
5. Lay the motor to the side with the collar pointing downwards.
5. Push the tire (G) downwards until it is removed from the motor (F). The collar (E) will also slip out.

Continued on next page



DEALER/TECHNICIAN WARNING

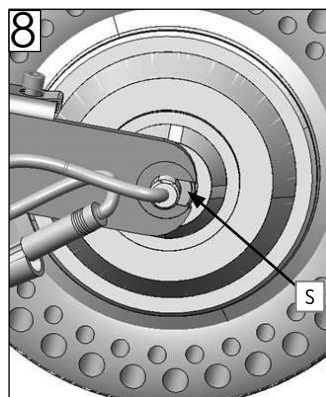
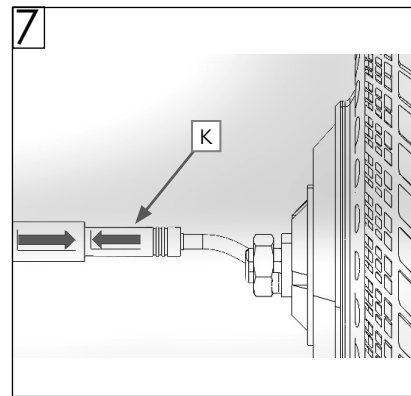
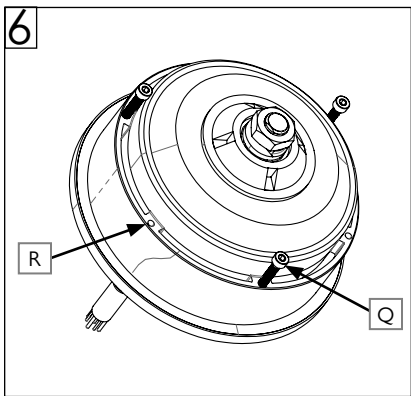
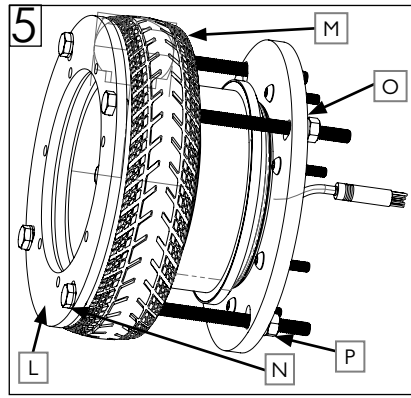
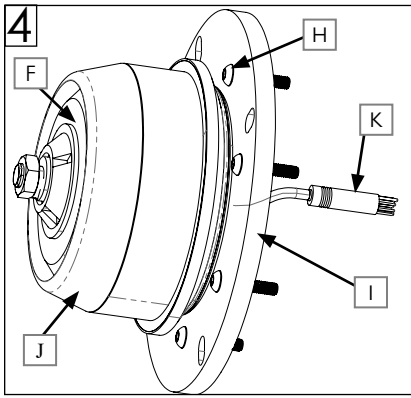
Attention dealers and qualified technicians, do not operate or service this device without first reading the owners manual. If you do not understand the instructions and warnings in the owners manual please contact the Sunrise Medical Technical Service Department before operating and/or servicing the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

Find more information and important warnings see the device owner's manual or at: www.SunriseMedical.com.



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B. Replacing the tire:

1. Insert seven M6 bolts (H) onto the bottom plate of the R90 tire replacement tool P/N 257350 (available on Sunparts) (I). (Fig 4)
2. Put the motor (F) on top of the bottom clamp (I). Ensure that the motor connector (K) runs underneath the clamp (I). (Fig 4)
3. Place the tire installation cone (J) on top of the motor (F). (Fig 4)
4. Place the new tire (M) on top of the cone, then place the top clamp (L) on top of the tire (M). Align both of the clamps' and tires' holes. (Fig 5)
5. Insert the 4 M8 bolts (N) with a washer (O) on top and bottom of the bolt into the slots from the top of the clamp and secure them with M8 Hex nuts (P) from the bottom clamp. (Fig 5)
6. Use two 13mm wrench to secure the M8 bolts (N) and nuts (P) in small increments by using a star pattern, 5-6 turns per increment. Stop the process once the tire reaches the motor wall. (Fig 5)
7. Remove the top and bottom clamps.
8. Use a flat screwdriver to pry out the tire installation cone.
9. Align the collar and attach it to the motor with three M4x25 bolts (Q). (Fig 6)
10. Install and tighten three M4x16 bolts in the remaining holes (R) and torque them to 4.8 Nm [3.6 ft-lbs]. 
11. Replace the M4x25 bolts (Q) with M4x16 bolts and torque them to 4.8 Nm [3.6 ft-lbs]. 
12. Attach the motor connector (K) by aligning the arrows on each connector and pushing them together. (Fig 7)
13. Route the wire to fit between the fork and shroud. Then, orient the motor shaft to align with the fork slot and slide it on.
14. Ensure the key washer faces the slot opening. The key washer (S) is always on the opening slot of the fork (Fig 8). Push the motor shaft all the way into the fork slot and tighten the 19mm hex nuts.
15. If loosened/removed earlier, tighten/insert the shroud hardware.