



DOUBLE TILT-MODULE REPLACEMENT INSTRUCTION SHEET



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:

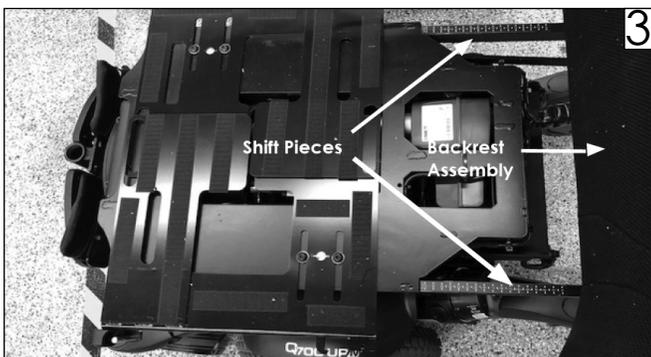
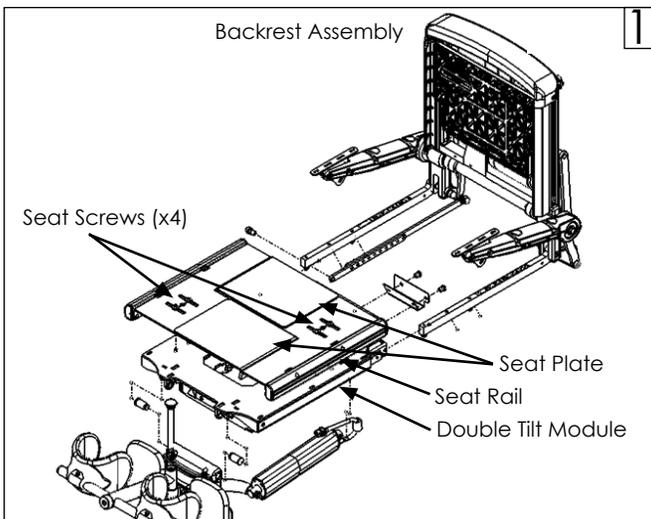
1. Double Tilt Module

Required tools:

- | | | |
|------------------|-------------------------|------------------|
| 1. 2.5mm hex key | 3. 6mm hex key | 5. Torque wrench |
| 2. 5mm hex key | 4. Standard screwdriver | 6. Pliers |

A. Remove Double Tilt Module:

1. Remove the seat cushion.
2. The harnessing that runs from the back frame down to the double tilt module should carefully be disconnected. Tag and mark both ends of the harnesses to help when installing new double tilt module.(Fig. 2)
3. Remove both seat plates and rails by removing the four screws with a 5mm hex key. Mark the locations before removing and save the hardware. (Fig. 1)
4. Using a 5mm hex key, remove the four screws (two per side) that are holding the Shift Pieces and the complete backrest assembly to the Double Tilt Module. Mark the locations before removing and save hardware. (Fig. 3 and Fig. 4)
5. With a 6mm hex key, remove the screw holding the armrest linkage to the right front of the double tilt module and save the hardware (Fig. 5)
6. Now carefully remove the Shift Pieces and complete backrest assembly. Set aside until it is ready to be reinstalled. (Fig. 3)

**⚠ 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 Quickie Technical Service Department before operating and/or servicing the Quickie device. Failure to do so may result in damage and/or injury.

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

Sunrise Medical 2842 N. Business Park Ave Fresno, CA 93727 USA In Canada: (800) 263-3390

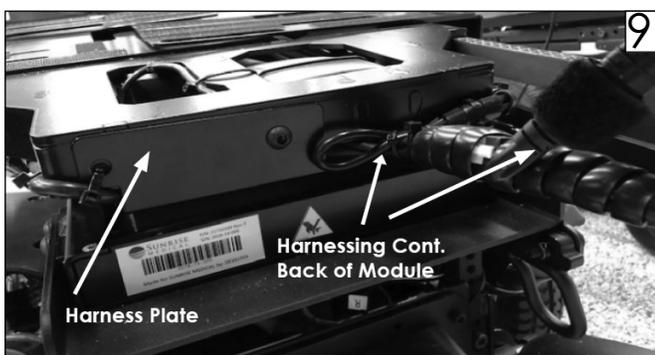
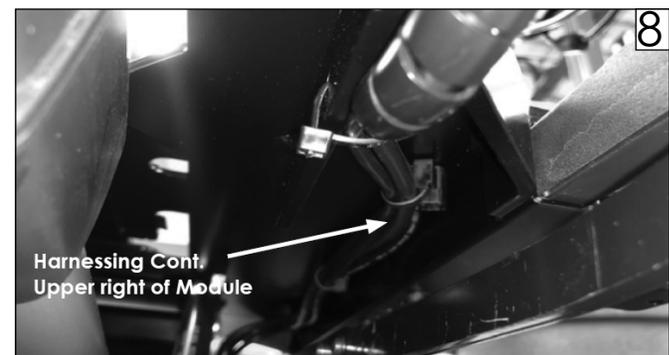
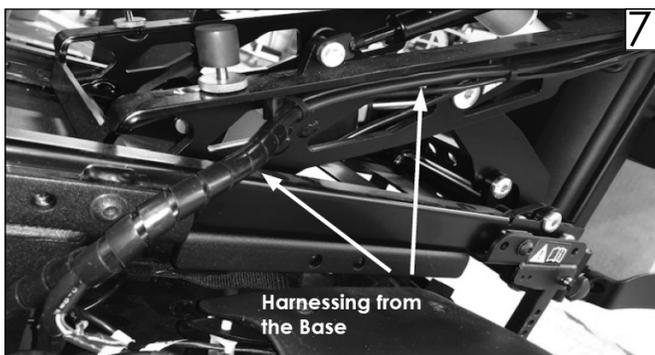
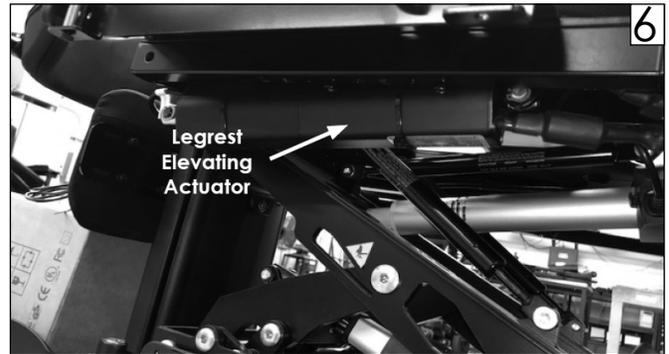


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A. Remove Double Tilt Module (Continued):

7. Locate elevation actuator for legrest, located under the front, left corner of the Double Tilt Module. (Fig. 6)
8. Now the power center mount legrest must be removed. Please refer to instruction sheet# 248594 for removal and re-installation.
9. The harnessing on the Double Tilt Module will need to be reused, unless new harnessing was purchased. Start by following the harnessing that is coming up from the base of the chair and cutting the cable ties away to free up the harnessing as it goes up the right side of the scissor mechanism of the module. Please note the connection points and harness routing path for later reconnection. (Fig. 7)
10. Next cut the cable ties away from the upper right side of the module where the harnessing continues to go toward the back of the module. Again, please note the connection points and harness routing path for later reconnection. (Fig. 8)
11. After the harnessing is loose from both the right side of the scissor mechanism and the upper right side of the module, cut the remaining cable ties that are gathered at the back of the module. Remove the harness plate at the rear of the module by cutting the cable ties on the left and the screw on the right side with a 5mm hex key. It may also be necessary to undo some of the spiral wrap and harness connectors that were leading to the backrest assembly. Please note the connection points and harness routing path for later reconnection. (Fig. 9)
12. Using a 5mm hex key, remove the 6 screws (3 per side) holding the Double Tilt Module to the interface. (Fig. 10) Save the hardware. Remove the Double Tilt Module from the interface. If still under warranty, return to Sunrise Medical; otherwise discard.





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B. Install Double Tilt Module:

1. Install the new Double Tilt Module on to the interface. Using a 5mm hex key, secure the Double Tilt Module with the six screws (3 per side) saved during removal. (Fig. 10) Torque to 162.7-178.9 Nm [120-132 in-lbs]. 
2. Reattach all the harnessing onto the new Double Tilt Module, which was removed from the original Double Tilt Module. Refer back to Fig. 7-9 for placement, along with the notes, marks, and tags regarding connection points and harness routing paths saved during removal. Reattach with cable ties but do not snug down tight at this point until all the necessary components are reattached and tested.
3. Attach the power center mount legrest back onto the front of the Double Tilt Module. Refer back to instruction sheet# 248594 for re-installation instructions.
4. Reattach the complete backrest assembly with Shift Pieces. Shift Pieces should slide into the two slots on either side of the new Double Tilt Module. (Fig. 3)
5. With a 5mm hex key, secure the Shift Pieces back down to the Double Tilt Module with the four saved screws (two per side). (Fig. 4) Torque to 81.3-94.9 Nm [60-70 in-lbs]. 
6. With a 6mm hex key re-attach the armrest linkage and screw to the right front of the Double Tilt Module. (Fig. 5) Torque to 162.7-178.9 Nm [120-132 in-lbs]. 
7. Reattach both the seat plates and seat rails to the top of the Double Tilt Module with 4 saved (2 per side). (Fig. 1) With a 5mm hex key, torque to 81.3-94.9 Nm [60-70 in-lbs]. 
8. Reconnect all the harnessing that was disconnected to remove the original Double Tilt Module. Once all the harnessing has been reconnected, check and adjust harnessing to prevent kinking or damage. Once everything is in order, secure all cable ties.
9. Reinstall the cushion.

C. Inspect:

1. All torque values with a torque wrench.
2. Seating system to ensure all wire harnesses are out of the way and are not getting pinched.
3. Seating system to verify that the harnesses are not put under tension in any position.
4. Ensure that the cable-ties are not so tight that they deform cable jackets.
5. Where possible cables should be protected and hidden by shrouds.