

Boston Digital Arm System

Quick Clinician's Guide

-  Follow the instructions in the Boston Arm "Clinician's Manual"
-  Encourage the patient to report incidences of failures, falls or dropping the prosthesis
-  Instruct your patient to swap batteries periodically (i.e. monthly) to keep both batteries healthy
-  Explain the capabilities and limitations of the prosthesis to the patient
-  Discuss the correct operation of the prosthetic system with your patient:
 - Active lift – less than 9 pounds (4 Kg) with terminal device
 - Passive lift – less than 45 pounds (20 Kg)
 - Demonstrate correct use of the "free swing" lock (do not operate elbow while unlocked)
-  Make sure that the lamination collar is properly oriented for internal/external humeral rotation
-  If a pull hole is required, position it where it will not contact the battery when the elbow is fully flexed
-  Use caution in fabricating the socket – design to prevent perspiration from draining to the prosthesis
-  Confirm proper installation of driver & elbow software before connecting prosthesis
-  Install the Input Connector Board (BE304) so that the Cross-elbow wires lay properly
-  Save your patient's prosthetic settings on your computer or in the patient's file
-  Do not cut the forearm length shorter than described in the Boston Arm Clinical manual*
 - 9½" with wrist rotator
 - 8½" without rotator
 - wrist components must not contact the distal end of the (BE305) circuit board!
-  Do not apply lubricants, cleaning fluids or other chemicals to prosthetic components
-  Do not alter or modify the prosthetic system (other than cutting the forearm to length)
-  Do not attach external devices to the prosthesis without consulting the manual or LTI
-  Do not paint or laminate over the forearm, batteries or drive unit (this voids the warranty)

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