New Electric Lock Actuator for LTI Locking Shoulder Joint

LTI announces a new electric lock actuator for its Locking Shoulder Joint. This joint provides natural free-swing of shoulder flexion-extension as well as a lock which secures the joint every 10°. Abduction and adduction is achieved through a second hinge with friction adjustment. Both endo- and exo-skeletal versions are available. The new actuator provides a convenient alternative to mechanical actuators. This is essential for bilateral amputees and often preferred by unilateral amputees who have externally-powered prostheses and have difficulty activating the mechanical release levers. LTI Locking Shoulder Joints are available with the electric actuator installed (SJ92) or as a kit (SJ77) for converting an existing mechanically-actuated joint. The electric lock actuator can be operated by any convenient two-position switch or similar input device. It also requires a battery, but if used with a powered prosthesis, can often operate off the prosthetic system’s battery. With a Boston Arm System, a wiring harness can be provided to access power above the elbow.

L-codes were approved for this joint and the actuators in January 2003:

- **L6646** – Shoulder Joint
- **L6647** – Mechanical actuator
- **L6648** – Powered actuator

LTI Locking Shoulder Joint and accessories:

- **SJ92** - LTI Locking Shoulder Joint with Electric Lock Actuator
- **SJ77** - Electric Lock Actuator Conversion Kit for Locking Shoulder Joint
- **SJ82** - Cable for Electric Lock Actuator, LTI battery conn., Bock switch conn.
- **SJ83** - Cable for Electric Lock Actuator, Bock battery conn., Bock switch conn.