**Liberty II Wheelchair Assembly Quick Guide**

**IMPORTANT:** Before starting to assemble the wheelchair, please pay special attention to the different screw, bolt, nut, and washer sizes. Each screw and bolt size has a specific place in the assembly. Please pay attention to the instructions on where to install each size.

**Quick Frame Assembly Guide**

**Step 1:** Assemble the right and left frame tubes. Use six M6 hex head cap screws 30-mm long, twelve M6 washers and six M6 nylon lock nuts. The tilt-in-space mechanism should be attached in lower middle tube position and with the *arrow pointing upward* as shown in the circle.
Step 2: Assemble the armrests. Use two M6 hex head cap screws 30-mm long, two M6 washers and two M6 nylon lock nuts in the front; two M6 Philips pan head screws 10-mm long and two M6 washers in the back.

Step 3: Assemble the front casters and push handle. Push handle: Use two button clips and two pin clips. Front casters: Make sure there are two bearings in each of the caster tubes. Use two M12 nuts and two M12 washers. Cover the caster axle tube with two 38-mm plastic caps.

Step 4: Assemble the footrest. Use four M6 hex head cap screws 35-mm long, eight M6 washers and four M6 nylon lock nuts.

Step 5 (optional): Assemble the footrest tube extensions. Use two M6 hex head cap screws 30-mm long, four M6 washers, and two M6 nylon lock nuts.
Step 6: Attach the rear wheels. Use two quick-release rear wheel axle pins and two bearing covers.

Step 7: Assemble the wheel-locks. Use two M6 special screws 16-mm long, two M6 washers, and two M6 U-nuts with cap.

Step 8: Attach the side guards and the leg strap.
**Step 9 (Optional):** Assemble the anti-tippers.

**Step 10:** Assemble the tray. Use four M6 Philips head pan screws 10-mm long and two M6 knobs.
Quick Seat Unit Assembly Guide

Step 1: Attach the seat pan and the tilt mechanism to the frame. Seat pan front: Use two seat pan clamps, two bolts for seat pan clamps, two M6 washers, and two M6 nylon lock nuts. Hook the tilt mechanism of the seat pan on the anchor bolt of the frame.
**Step 2:** Attach the backrest pan to the seat pan and the back-frame posts.

Seat pan to backrest pan: Use an attachment bracket, four M6 hex head cap screws 10-mm long, and four M6 washers.

Backrest pan to back-frame posts: Use four M6 hex head cap screws 10-mm long and four M6 washers to attach the “L” brackets to the backrest pan. Use two M6 hex head cap screws 10-mm long, two M6 washers, and two M6 nuts with flange to attach the “L” brackets to the “U” brackets. Use two M6 hex head cap screws 35-mm long, two M8 washers, and two M6 nuts with flange to attach the “U” brackets to the back-frame posts.
Step 3: Attach backrest cushion and the lateral supports (4) to the backrest pan. Use eight M6 Philips head pan screws 10-mm long to attach the pads to the lateral support attachments. Use eight M6 hex head cap screws 10-mm long and eight M6 washers to attach the lateral support attachments to the backrest pan.

Step 4: Attach the headrest to the backrest pan. Use three M6 hex head cap screws 30-mm long and three M6 washers to attach the ball mounting bracket to the ball mounting tube. Use two M6 hex head caps screws 10-mm long and two M6 washers to attach the headrest attachment mount to the backrest pan. Use two M6 knobs to secure the horizontal and vertical headrest tubes. Insert a square plastic cap into the squared end of the ball mounting tube.

Step 5: Attach the chest harness to the backrest pan. Use four M6 hex head cap screws 10-mm long, eight M6 washers, and four M6 nylon lock nuts.

Step 6: Attach the pelvis strap to the seat pan. Use two M6 hex head cap screws 10-mm long, four M6 washers, and two M6 nylon lock nuts. Attach the seat cushion.
Step 7 (optional): Attach the abductor. Use two M6 Philips head pan screws 10-mm long to attach the abductor pad to the bracket. Use an attachment bracket, two M6 knobs (or two M6 hex head cap screws 10-mm long), and two M6 washers.

To adjust the pre-seat bone shelf:
1. Adjust the seat depth according to the user’s needs.
2. Measure the distance from the back of the pelvis to the seat bones in mm.
3. \[ X = \text{distance from backrest to pre-seat bone shelf} = \text{distance from the back of the pelvis to the seat bones in mm} + 20-40 \text{ mm.} \]
4. Adjust the pre-seat bone shelf length by cutting the excess foam.