



XTENDER KIT INSTALLATION INSTRUCTIONS QUICKIE 5R/QUICKIE GT



Please read these instructions carefully before beginning the installation. Failure to understand and follow installation instructions may result in injury to installer and/or end user and may void the warranty. If you have any questions call Sunrise Medical Technical support at 800-333-4000.

Xtender Mounting parts:

- | | |
|-----------------------------|----------------------------|
| 1. 4 ea Large black hex nut | 7. 2 ea Axle sleeve |
| 2. 2 ea Index axle washer | 8. 8 ea Spacer |
| 3. 2 ea Clamp bracket | 9. 10 ea Small washer |
| 4. 2 ea Large washer | 10. 8 ea Nylock nut |
| 5. 8 ea 2" Hex bolt | 11. 4 ea Button head screw |
| 6. 4 ea 1-3/8" Hex Bolt | |

Tools needed for assembly:

- | | |
|--------------------------|-----------------------|
| 1. 2mm, 5mm, 6mm hex key | 4. 2ea 7/6" wrench |
| 2. 10mm, 12mm wrench | 5. Socket wrench |
| 3. 19mm wrench | 6. 7/16" Socket |
| | 7. Needle-nose pliers |

A. PRE-INSTALLATION

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1. Prep the chair:

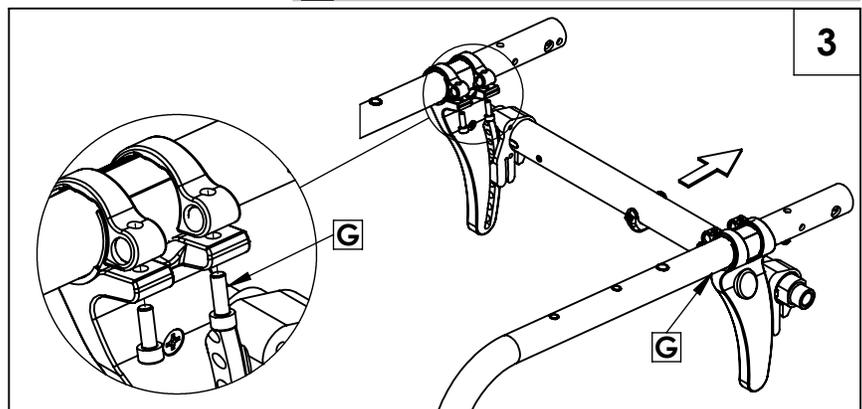
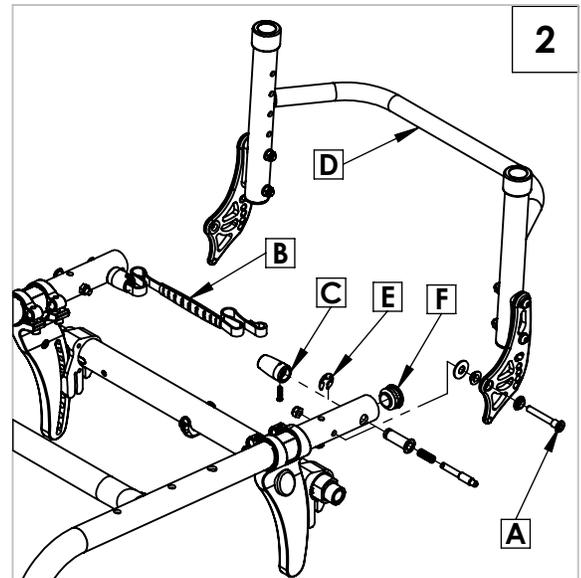
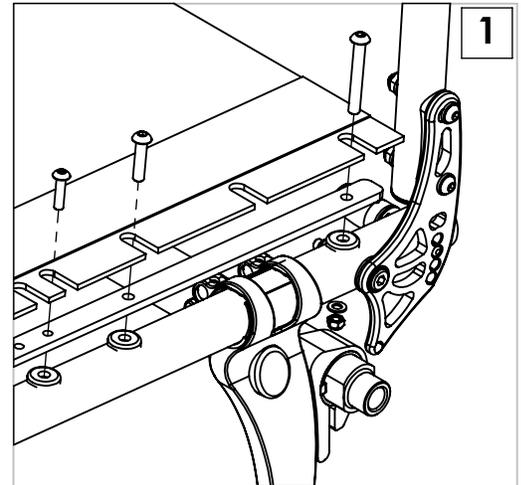
- Remove the wheels.
- Place the chair on a flat work surface or workbench for best installation results.
- Make a mark on both sides of the frame where the center of the Camber tube lines up with the frame.
- Using a 10mm wrench and 4mm hex key remove the seat sling and seat rail (Fig 1). Set the hardware and parts aside for re-assembly.

2. Remove the Backrest assembly:

- Using a 10mm wrench and 5mm hex key, remove the backrest bracket to frame hardware (A) from both sides of the chair. Set the hardware aside for re-assembly of the backrest later.
- Pull on the backrest release strap (B) to release the locking pins (C) from the backrest bracket.
- Remove the Backrest assembly (D).
- Using a pair of needle-nose pliers, remove C-clip (E) from the release strap assembly. Remove the assembly and hardware, and set it aside for re-assembly.
- Remove the tube end-cap (F), or Swing away armrest receiver.

3. Remove the Axle Plate/Camber tube assembly:

- Using a 4mm hex key, loosen the two socket head screws (G) on both sides of the chair, so that you can move the whole assembly.
- Slide the assembly carefully and evenly off of the rear chair frame.
- The chair is ready for installation of the Xtender unit.



B. XTENDER MOUNTING HARDWARE 4 5

1. Assembly of frame mounts and axle brackets:

- a. Using a 10mm wrench, and a 5mm hex key, assemble and attach frame mounts (A) to the axle plate brackets (left and right) (B). Do not fully tighten until the mounting hardware is on the frame.
- b. Be sure that the axle plate brackets hole position (C) is the same orientation on both sides. The arrow in (Fig. 4) shows direction of the front of the chair.
- c. Use (Fig 5) for reference to correctly assemble the mounting hardware.
- d. After assembling the Right and Left side mounting assemblies (Fig. 5) slide them on the frame of the chair to the same distance from the frame tube ends.
- e. Snug the Frame clamp hardware (D) (do not tighten).
- f. Tighten the frame mount hardware (E).

C. ANTI-TIPS, AXLE PLATES, CLAMP BRACKET, AND STRUTS 6



Attention dealers and qualified technicians, make sure that the installed axle plate provides the same seat to floor height as the original approved setup. Clamp bracket can be installed in either standard or alternate position.

1. Install the anti-tip receivers

- a. Using a 10mm wrench and socket, assemble, and install the anti-tip receiver (A), axle (D), clamp bracket (E) and hardware (B) to the axle plate bracket (C).
- b. Tighten the hardware to 85 in-lbs.
- c. Install the same parts on the other side of the chair see Fig 5 for reference.

2. Install the struts on the left side of the chair.

- a. Using a 10mm wrench and socket, assemble, and install the strut (F) to the axle bracket (C) with hardware (H).
- b. Attach the second strut (G) and tighten the hardware to 85 in-lbs.

3. Install the Axle plates and struts on the right side of the chair.

- a. Repeat steps 1 and 2 to Install the axle plates and anti-tips on the other side of the chair see Fig 5 for reference.



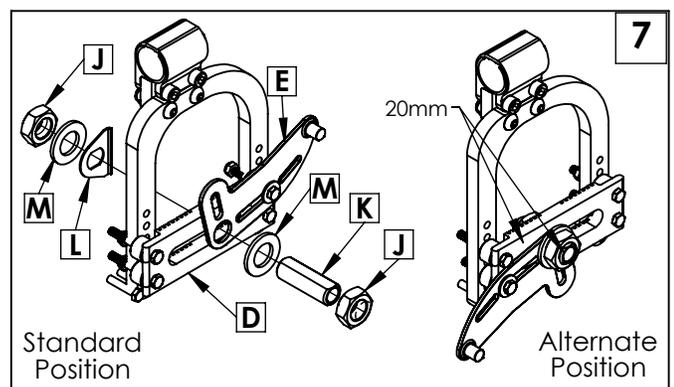
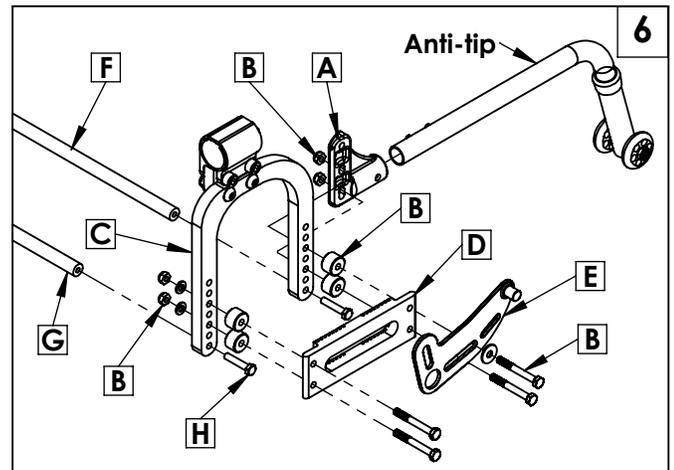
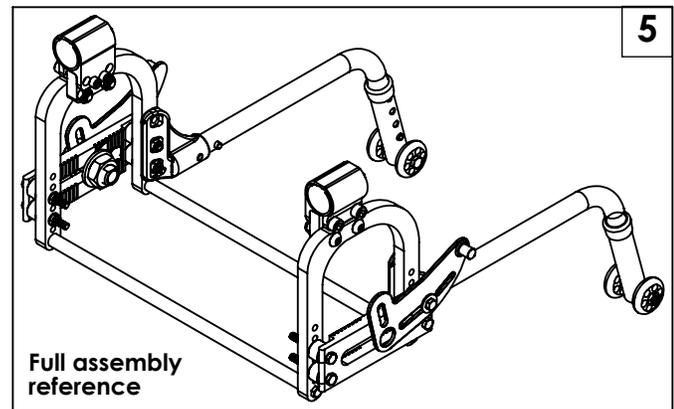
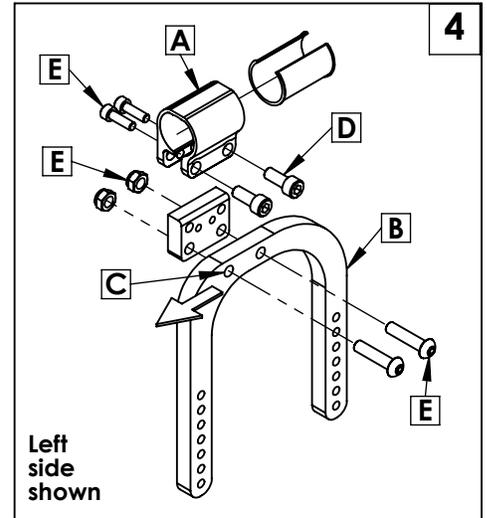
D. AXLE SLEEVES 7

1. Install axle sleeves

- a. Install axle sleeve nut (J) to the axle sleeve (K).
- b. Insert axle sleeve through clamp bracket and axle (D&E).
- c. On the back side place index washer (L), large washer (M), and axle sleeve nut (J) onto axle sleeve (K). Hand tighten the nuts.
- d. The distance from the front of the axle plate to the end of the axle sleeve should be 20mm (.79in).
- e. Torque axle sleeve nuts to 30 ft-lbs and screws to 85 in-lbs.

2. Install the Axle sleeve on the right side of the chair.

- a. Repeat step 1 to Install the axle sleeve on the other side of the chair see Fig 5 for reference.



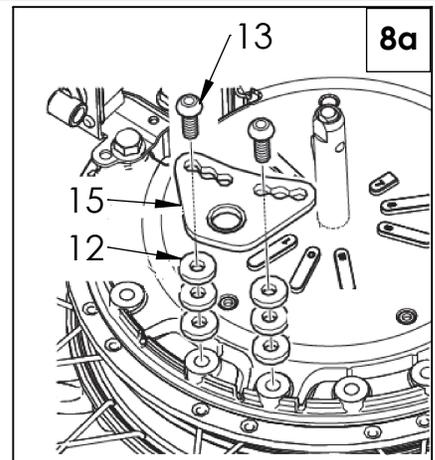
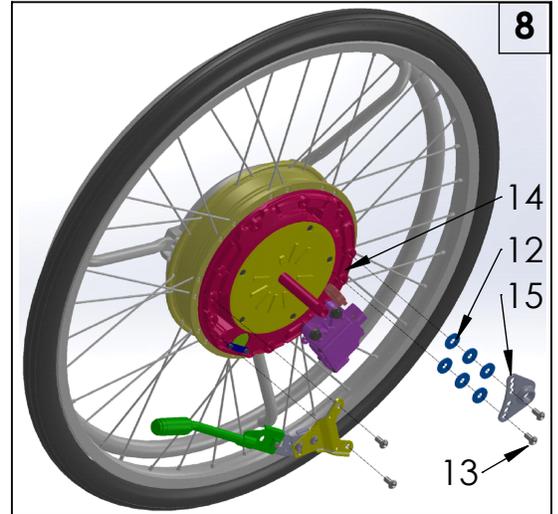
E. INSTALL PLATE LOCK

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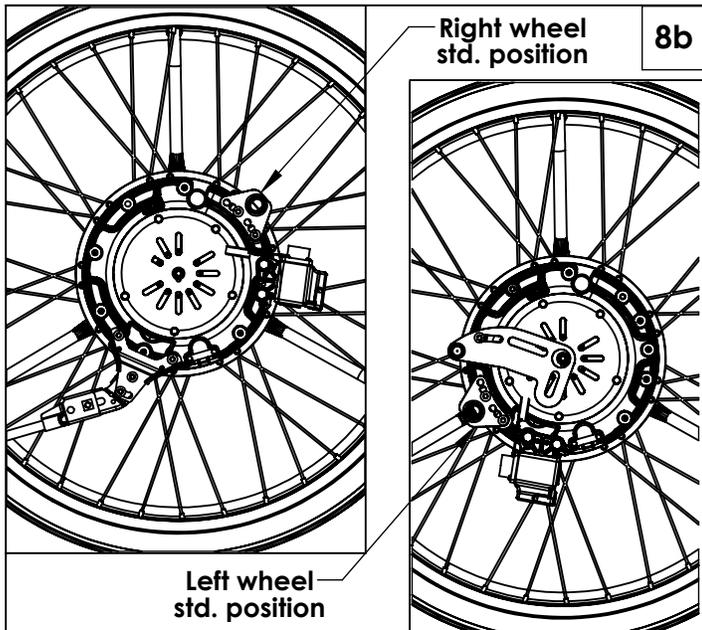
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1. Installing plate lock on wheel drive unit assembly:

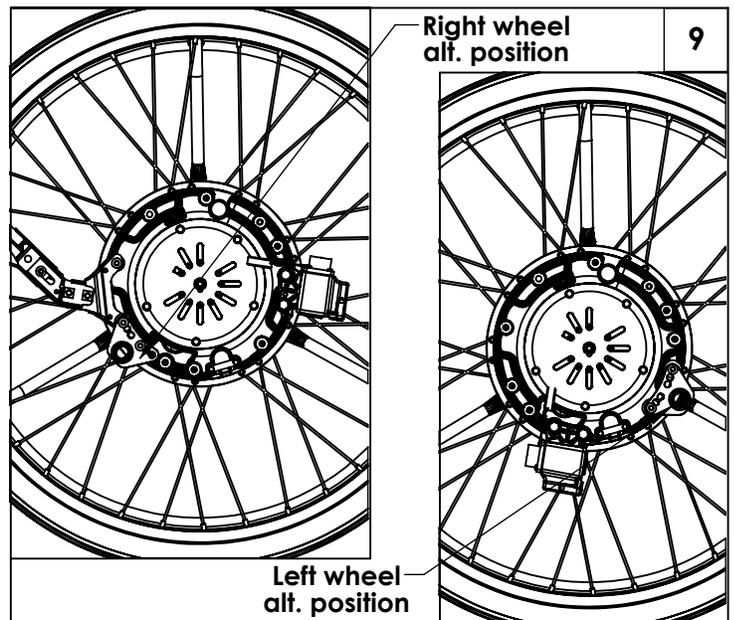
- a. Install plate lock (15) so that it faces in the direction shown in figures 8, 8a, & 8b for standard position. Figure 9 for alternate position.
- b. Secure the plate lock to the drive unit (14) with screws (13) and washers (12).
- c. Torque bolts to 8.5 - 12 N-m



**Plate Lock Orientation
Standard Position**



**Plate Lock Orientation
Alternate Position**



F. XTENDER INSTALLATION 10 11**1. Measure and adjust for balance and symmetry:**

- Slide the axle assembly back onto the frame. Line up to the mark created in pre-installation step A.
- Check that the axle brackets (A), axle sleeves (B), and frame clamps (C) have been installed evenly from side to side.
- Once the assembly is balanced, and symmetrical, Use a torque wrench and socket wrench to tighten all hardware to the correct torque.

2. Re-install backrest and backrest brackets:

- Refer to Pre-installation section and install the backrest using the reverse of the procedure given in step 2.
- Use a torque wrench and socket wrench to check all hardware for correct torque, and make sure the backrest can be adjusted, and that it folds and locks properly.
- Attach the Xtender wheels to the chair (Fig. 10 & 11).

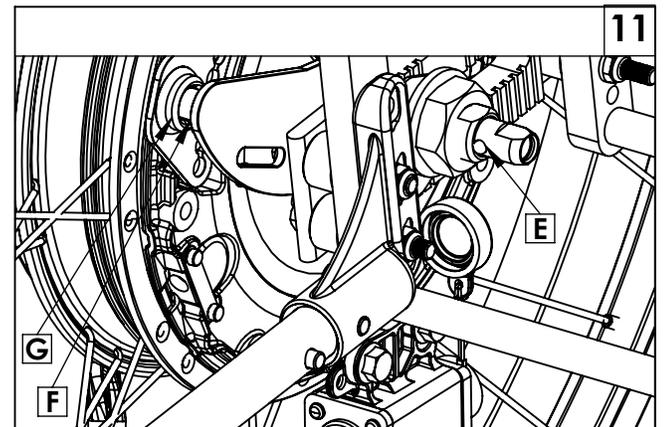
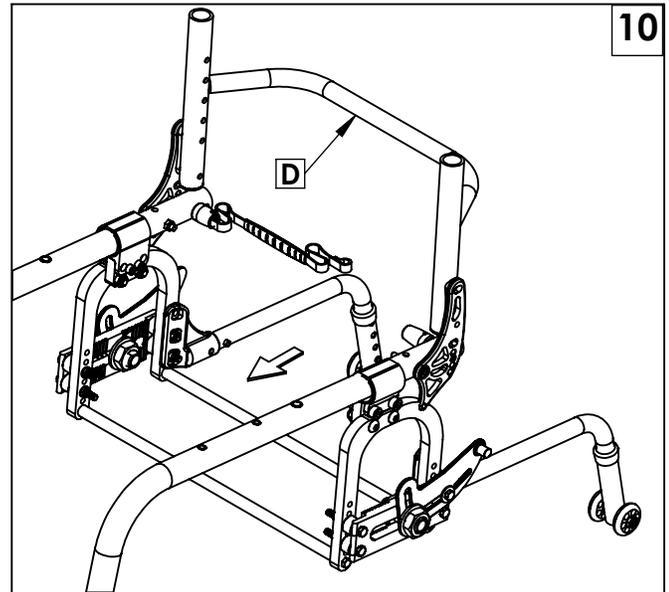
G. INSPECT**1. Double-check orientation and torque on all hardware:**

- Axle plate detent balls are fully extended (E).
- Clamp bracket pin (F) is fully engaged into plate lock (G).
- Check that the chair rolls smoothly and evenly.
- Check that axles have been installed evenly from side to side.
- Use a torque wrench and socket wrench to check all hardware for correct torque.
- See Yamaha owner's manual for additional information.

DEALER/TECHNICIAN WARNING**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.

For more information and important warnings, you can find the Xtender owner's manual at www.Sunrisemedical.com/Help-support.



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