

INSTRUCTION SHEET

XTENDER ADJUSTABLE SWITCH BRACKET INSTALLATION

Before beginning the installation, make sure that all the parts are included. Below is an illustration showing what should be included in the Transit Bracket Kit.

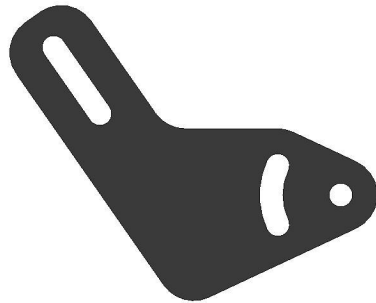


Figure 1: Switch Bracket



Figure 2: 4mm Hardware



Figure 3: 1/4-28 Hardware

The required tools to install the Xtender Adjustable Switch Bracket are listed below

1. 7/16" Socket & Ratchet
2. 5/32" Allen Wrench
3. 4mm Allen Wrench
4. 5mm Allen Wrench

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To remove existing bracket or disconnect switch bracket.

1. First detach the Xtender Unit from the wheelchair and remove the battery from its mounting location.
2. Next, lay the Xtender Unit flat on the table and using the 4mm Allen Wrench remove the Allen's used to attach the switch to the Xtender unit as shown in Figure 4. (Note: some older model Xtenders may have a 45° bracket that is attached to the switch, this also needs to be removed. The 45° bracket can be seen in Figure 5.)



Figure 4: On/Off Switch w/o 45° Bracket

**Remove hardware used
to attach On/Off Switch
to Yamaha Unit.**

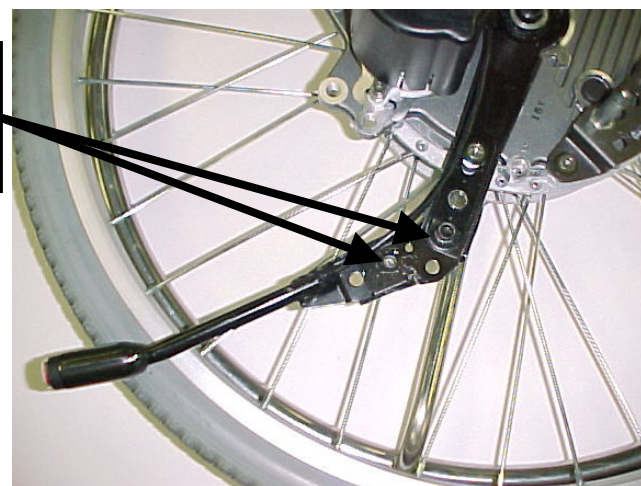


Figure 5: On/Off Switch w/ 45° Bracket

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To Install the Adjustable Switch Bracket

1. Take one of the 1/4-28 x 5/8" Button Head bolts, (**Figure 3**) and slide a 1/4" Thin Washer on it and insert it through the hole of the Adjustable Xtender Switch Bracket (**Figure 1**). Next position the 1/4-28 Bolt with Bracket and insert it through the Yamaha Main Switch Arm as seen in **Figure 6**. Attach the 1/4-28 bolt using the 1/4-28 Nylock Nut and 1/4" Washer. Repeat the step with the Slot on the Adjustable Xtender Switch Bracket as pictured in **Figure 7**. Note: Do not fully tighten the bracket as this will be completed in later steps. Only snug the bracket in place so the bracket can still be moved.

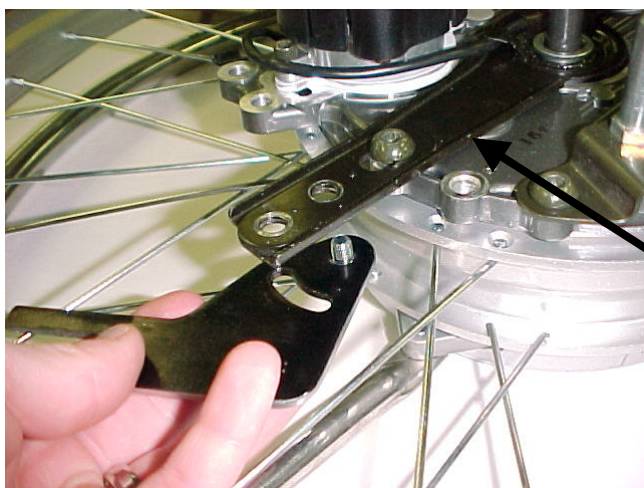


Figure 6: Adjustable Bracket with Hardware

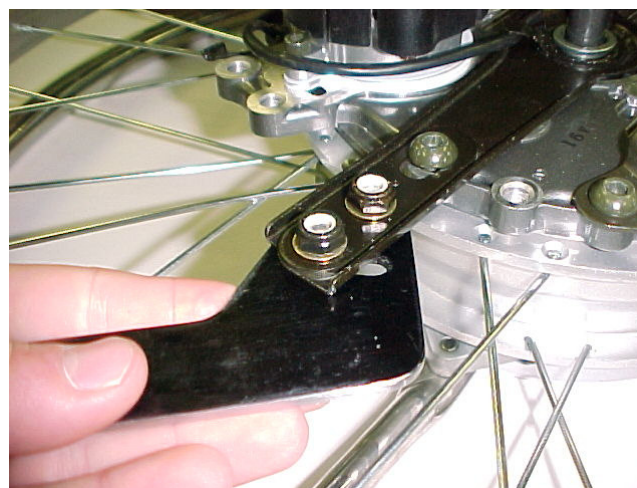


Figure 7: Attached Adjustable Bracket

2. Using the 4mm hardware (**Figure 2**) reattach the On/Off Switch by placing the switch so that the Adjustable Xtender Bracket rest in the channel of the On/Off Switch Bracket as seen in **Figure 8** on the next page. Once in position thread the 4mm hardware with the thin washer into the On/Off Bracket and tighten with the 4mm Allen Wrench, again only snug the hardware allowing the bracket to move freely.

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Figure 8: Attachment of On/Off Bracket

3. Next reattach the Xtender Unit to the Wheelchair. Once attached, position the switch so that it is clear of the tire, armrest, and wheel lock if applicable as shown in **Figure 9**. Once in the desired position detach the Xtender Unit from the wheelchair and firmly tighten the 4mm hardware and the 1/4-28 hardware so the bracket is unable to move. Finally reattach the Xtender Unit and battery to the wheel chair.

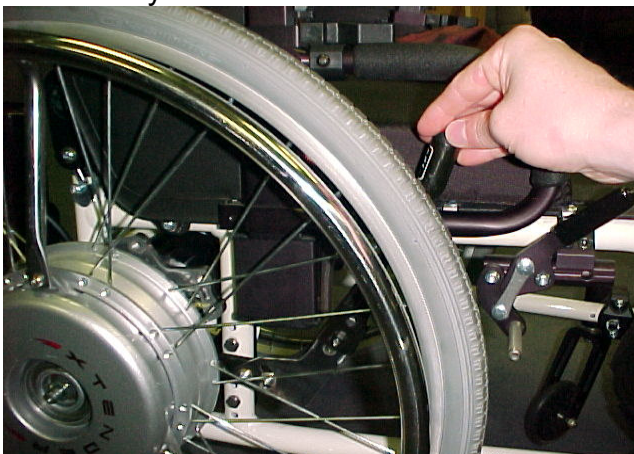


Figure 9: Suggested location of Switch

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4. Note: If the Adjustability of the Switch Bracket is not sufficient the Yamaha Main Switch Arm can also be moved. The Main Switch arm can be moved to hole "2" and steps 1-3 can be repeated to position the switch in the desired location. By using the 5mm Allen Wrench remove the bolt that attach's the Yamaha Main Switch Arm to the Yamaha Unit and reposition to hole "2" and reattach the hardware.



Optional Hole "2"

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