

Fixed Spacesaver Mounting Hardware



for use with MaTRx Series
wheelchair backs



Installation Manual

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PLEASE NOTE

If you have any questions or concerns with the Space Saver Hardware, or your MaTRx back installation, please contact our Customer Service Department for assistance.

Canada: 866-748-7943

USA: 888-433-6818

1.0 - Tools Required

Wrenches: 5/8" (16mm); 1/2" (13mm)
Allen Key: (provided)
Utility Knife/Scissors
Phillips Screwdriver
Tape Measure/Ruler



2.0 - Hardware Kit Contents

There are 2 unique installation kits available for mounting our MaTRx backs (depending on the type of back canes installed on the upper seating system). Standard *round* back canes will utilize a **Cane Clamp Kit** (see **Figure 1.0** below); “Channel-style” back canes will require a **T-Nut Kit** to install the mounting plates (refer to section ii) and **Figure 2.0**, on p.4).

Each Hardware Kit includes extra hardware (i.e.; screws/spacers/washers) to allow proper centering of the MaTRx back between the back canes and mounting plates.

i) Cane Clamp Kit Hardware

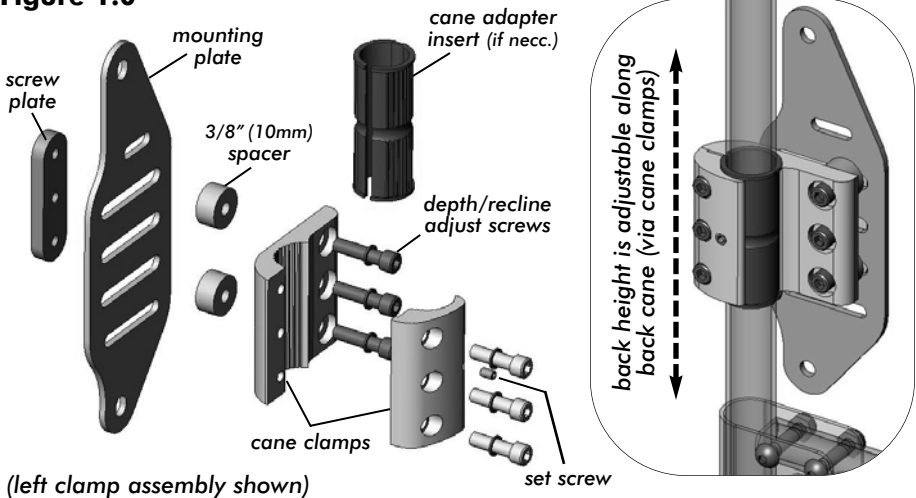
Cane Clamp Assembly - (see **Figure 1.0**)

- 2 - Back Mounting Plates
- 2 - Cane Clamp Ass’y
- 2 - Cane Adapter Inserts for 7/8" (22mm) tube
- 2 - Cane Adapter Inserts for 3/4" (19mm) tube
- 6 - Depth/Recline Adjustment Screws
- 6 - Cane Clamp Screws
- 12 - Flat Washers
- 2 - Set Screws (3/32" hex key- provided)
- 4 - Nylon Spacers (3/8" (10mm))
- 2 - Cane Clamp Screw Plates

MaTRx Back Mounting Hardware - (refer to **Section 4.0**)

- 6 - Nylon Spacers (1/2" (13mm))
- 12 - Flat Washers (**note:** extra washers provided for minor width adjustments)
- 4 - **Short** (1-1/2" (38mm)) Mounting Screws
- 4 - **Long** (2" (51mm)) Mounting Screws - optional

Figure 1.0



2.0 - Hardware Kit Contents

ii) T-Nut Kit Hardware

T-Nut & Mounting Plate Assembly - (see **Figure 2.0** below)

- 2 - Back Mounting Plates
- 4 - T-Nuts
- 4 - **Short** Depth/Recline Adjustment Screws (7/8" (2mm))
- 4 - **Long** Depth/Recline Adjustment Screws¹ (1-1/4" (32mm)) - optional
- 4 - Flat Washers
- 8 - Nylon Spacers¹ (3/8" (10mm))

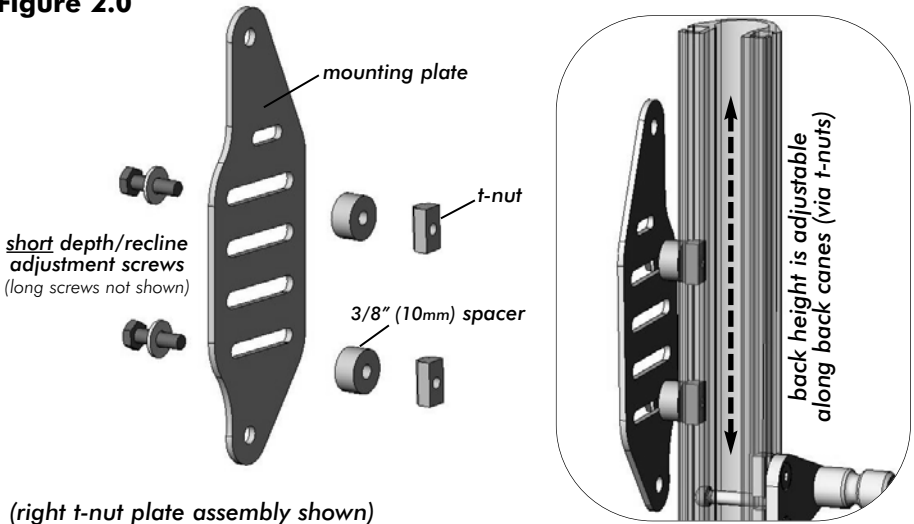
MaTRx Back Mounting Hardware - (refer to **Section 4.0**)

- 8 - Nylon Spacers² (1/2" (13mm))
- 4 - Flat Washers
- 4 - **Short** (1-1/2" (38mm)) Mounting Screws
- 4 - **Long** (2" (51mm)) Mounting Screws² - optional

¹**note:** four optional long depth/recline adjustment screws and four additional 3/8" spacers are provided (if necessary) to allow adjustment between the mounting plate and the back canes.

²**note:** four optional long mounting screws and four additional 1/2" spacers are provided (if necessary) to allow proper centering/spacing of the MaTRx back between the back canes.

Figure 2.0



3.0 - Before Installation- Important!

i) Mounting Plate Adjustments

SEAT DEPTH:

The **Cane Clamp Kits** may be mounted in a *forward* or *rearward* position on the back canes. The cane clamp assemblies are shipped in the *rearward* mounting configuration- see **Figure 3A** below. This maximizes the seat depth on the wheelchair seat (up to 2.5" (64mm) maximum rearward offset).

By *inverting* the cane clamps on the back canes, the assembly can be reconfigured to give a more *forward* mounting position* (up to a maximum 2.5" (64mm) forward offset - see **Figure 3B** below).

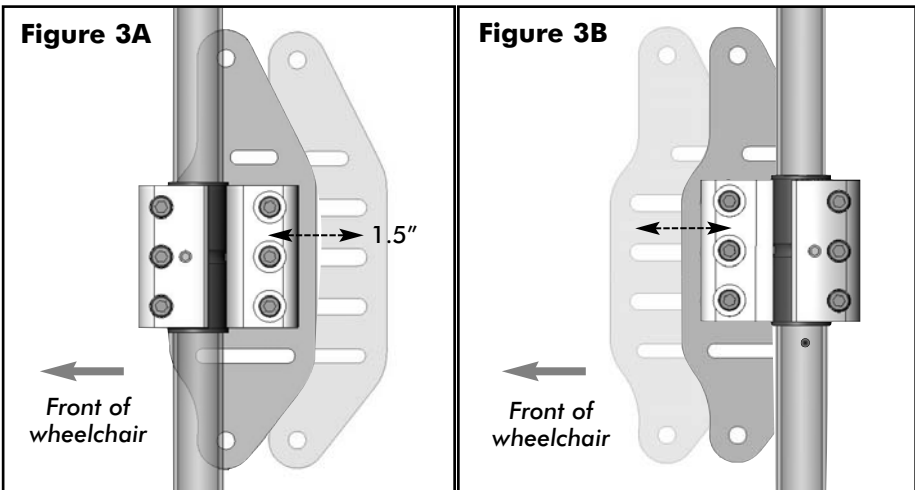
**note: in the forward position, the mounting plates must also be removed and reinstalled in the proper orientation - as indicated below.*

The slotted mounting plates for both the **Cane Clamp Kit** and the **T-Nut Kit**, also provide up to 1.5" (38mm) of fore and aft adjustment relative to the cane clamp.

! PLEASE NOTE

When establishing the mounting position for the MaTRx back, ensure the stability of the wheelchair is not compromised.

Adjusting the fore and aft position of the backrest will alter the user's center of gravity within the wheelchair. A recessed back position can significantly reduce the rearward stability of the wheelchair. Similarly, a more forward back position will reduce the wheelchair's forward stability.



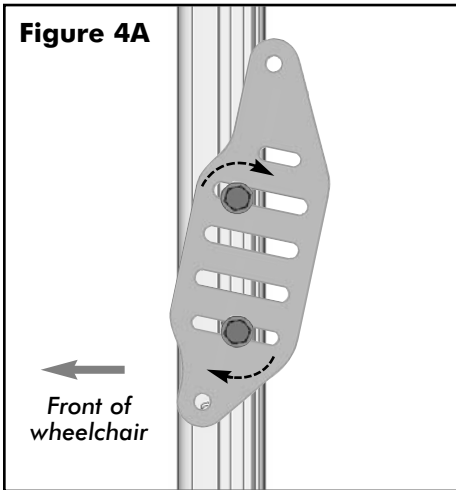
Mounting Plate in the **rearmost** back position (maximized seat depth).

Mounting Plate in the **forward most** back position.

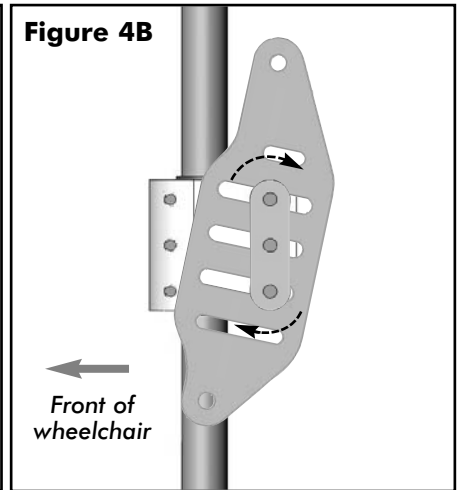
3.0 - Before Installation- Important!

BACK ANGLE:

The slotted mounting plates are also designed to allow simple back angle adjustment for the MaTRx back. By loosening the mounting hardware (see **Figure 4A** and **4B** below), the plates can be rotated to alter the back angle and better conform to the needs of the client.



*Back angle adjustment
on a T-Nut assembly.*



*Back angle adjustment on
a Cane Clamp assembly.*

4.0 MaTRx Back Installation

i Important! Prior to installation, ensure the left and right mounting plates are secured to the back canes at the same height.

i Important! To function effectively and provide proper support, all MaTRx backs should be centered between the back canes.

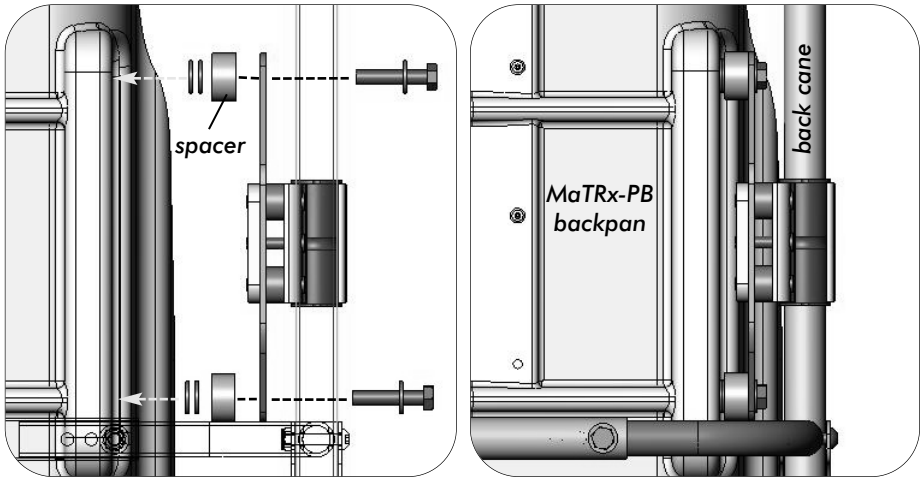
The following section provides installation reference diagrams for the various MaTRx back styles. Using the hardware kit provided, determine the combination of mounting hardware needed (*i.e.*; screws/spacers/washers) to properly center and install the MaTRx back onto the mounting plates.

note: the mounting hardware required may vary slightly from images shown.

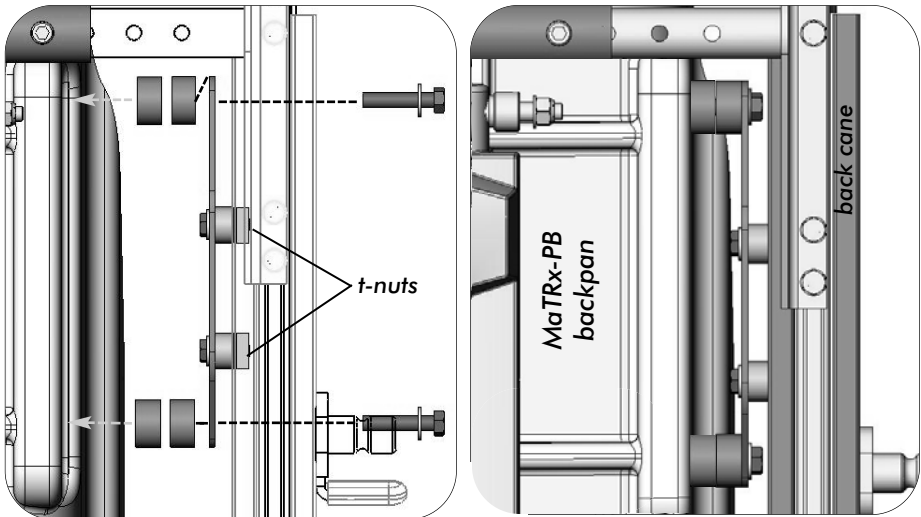
4.0 MaTRx Back Installation

4.1 MaTRx PB (Posture Back) and PB-DEEP

i) INSTALLING A MATRIX-PB USING THE CANE CLAMP KIT



ii) INSTALLING A MATRIX-PB USING THE T-NUT KIT

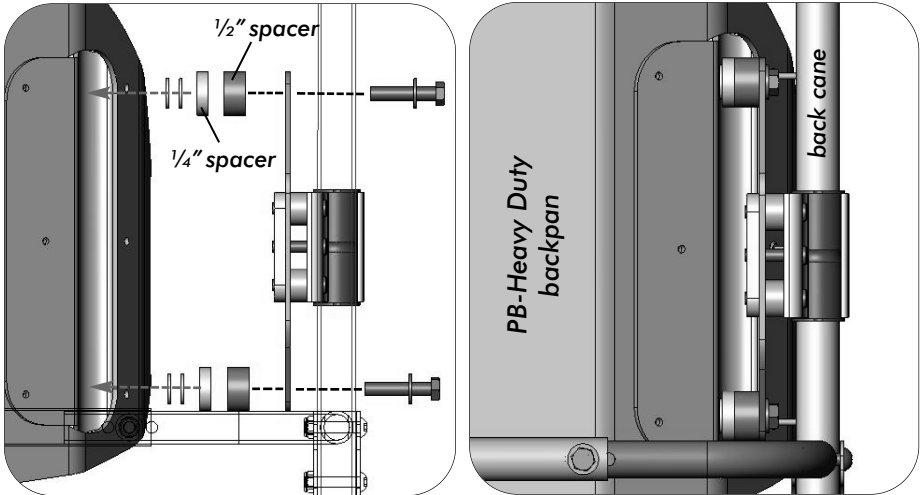


Please Note: the required mounting hardware may vary depending on the back size and back cane width- images are provided for reference only.

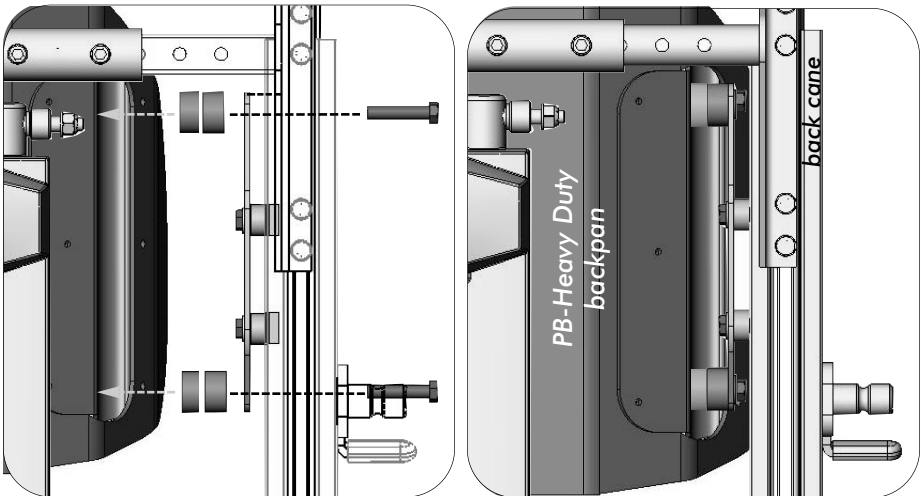
4.0 MaTRx Back Installation

4.2 MaTRx-PB Heavy Duty (HD) *and* PB HD-DEEP

i) INSTALLING A PB-HD/ HD-DEEP BACK USING THE CANE CLAMP KIT



ii) INSTALLING A PB-HD/ HD-DEEP BACK USING THE T-NUT KIT

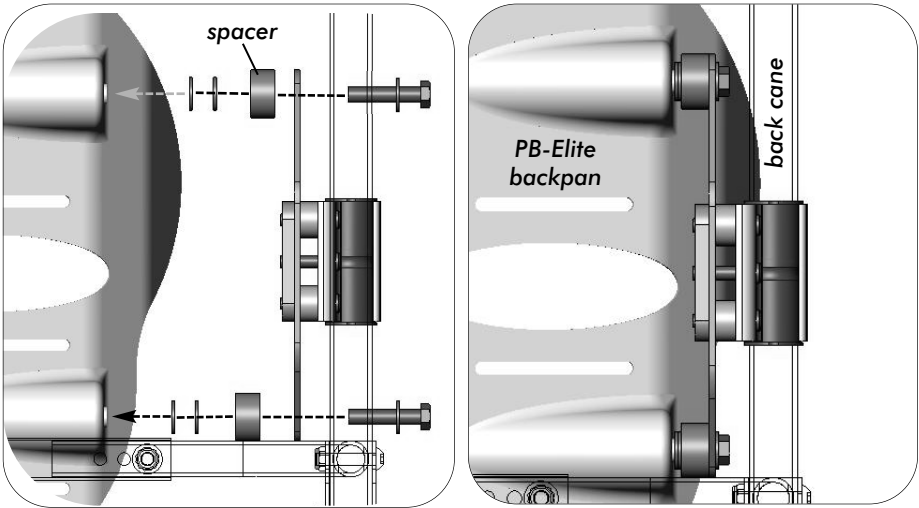


Please Note: the required mounting hardware may vary depending on the back size and back cane width- images are provided for reference only.

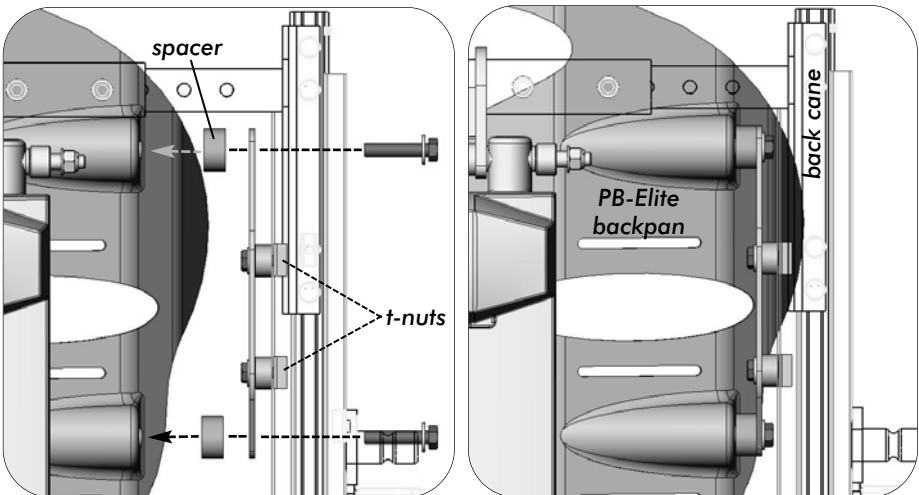
4.0 MaTRx Back Installation and Adjustment

4.3 MaTRx PB-Elite Back

i) INSTALLING A PB-ELITE BACK USING THE CANE CLAMP KIT



ii) INSTALLING A PB-ELITE BACK USING THE T-NUT KIT



Please Note: the required mounting hardware may vary depending on the back size and back cane width- images are provided for reference only.

5.0 - NOTES



www.motionconcepts.com
info@motionconcepts.com

USA
700 Ensminger Rd. Suite 112
Tonawanda, NY 14150
Toll Free Tel: 1.888.433.6818
Toll Free Fax: 1.888.433.6834

Canada
84 Citation Drive
Concord, Ontario L4K 3C1
Tel: 905.695.0134
Fax: 905.695.0138

