Split Mounting Hardware

for use with MaTRx Series Wheelchair Backs
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1.0 - Tools Required

Wrenches: 5/8” (16mm); 1/2” (13 mm)
Allen Keys: 3/32”; 1/8” (provided)
Utility Knife/Scissors
Phillips Screwdriver
Tape Measure/Ruler

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5.0 - NOTES

PLEASE NOTE

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

Canada: 866-748-7943
USA: 888-433-6818
2.0 - Hardware Kit Contents

The **Split Mounting Hardware** has been uniquely designed to allow for mounting of our MaTRx Series wheelchair backs when a rigidizer bar is installed between the wheelchair’s back canes. The easy to use split mounting hardware still maintains a high degree of adjustability, while effectively eliminating any interference issues experienced with our standard mounting hardware.

**Note:** the MaTRx Series includes: the MaTRx-PB (Standard or Deep) and the MaTRx-PB Elite Back (the Split Hardware is **not** recommended for the MaTRx-PB Heavy Duty)

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### 2.0 - Hardware Kit Contents

#### Note:

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong></td>
<td>Latch (1)</td>
</tr>
<tr>
<td><strong>2</strong></td>
<td>Latch Spring Sleeve (1)</td>
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<tr>
<td><strong>3</strong></td>
<td>Latch Spring (1)</td>
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<tr>
<td><strong>4</strong></td>
<td>Latch Stop (1)</td>
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<tr>
<td><strong>5A</strong></td>
<td>Back Can Adapter Sleeve (2)</td>
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<tr>
<td><strong>6</strong></td>
<td>Compact Clamp (1)</td>
</tr>
<tr>
<td><strong>7</strong></td>
<td>Top Plate (1)</td>
</tr>
<tr>
<td><strong>8</strong></td>
<td>Bottom Plate (1)</td>
</tr>
<tr>
<td><strong>9</strong></td>
<td>Clamp (1)</td>
</tr>
<tr>
<td><strong>10</strong></td>
<td>1/8&quot; Hex Key (2)</td>
</tr>
<tr>
<td><strong>11</strong></td>
<td>3/32&quot; Hex Key (2)</td>
</tr>
</tbody>
</table>

*Note: Right Ass'y Shown*
**3.0 - Before Installation- Important!**

### Mounting Plate Configurations:

**SEAT DEPTH (Fore/Aft Adjustment):**

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 2A 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 2B below).

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

The slots in the upper and lower mounting plates, also provide up to 1.5” (38mm) of fore and aft adjustment relative to the cane clamp.

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**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.

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**4.0 Hardware and MaTRx Back Installation**

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

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

### Installation Instructions:

1. Remove existing wheelchair back upholstery (if applicable).
2. Establish the desired cane clamp/mounting plate seat depth configuration for the end user (as per Section 3.0).
3. Loosen the screws on the Lower Cane Clamp ass’y and loosely install the clamps (with mounting brackets) onto each back cane. (Install plastic inserts if required).
4. Starting with the left* back cane, position/slide the Lower Cane Clamp to the desired height and tighten the clamp screws enough to hold it in place. (Clamps can be fully tightened after the back is installed and all final adjustments have been made.)
5. From a fixed point on the wheelchair measure the exact height of the installed Cane Clamp assembly, and install the second Cane Clamp at the same height on the right* back cane. Ensure the Cane Clamps/Mounting Plates are also mounted parallel with each other.
6. With the lower cane clamp assemblies installed, loosen the screws on the Upper Cane Clamp assemblies and install the clamps (with mounting brackets) loosely onto each back cane- approximately 7” (18cm) above the lower clamp ass’y. (Install plastic inserts if required). (Clamps can fully tightened after the MaTRx back is installed and all final adjustments have been made.)
7. To install the MaTRx-PB elite back onto the mounting plates:
   - **Step 1:** Slide the lower mounting pins from the MaTRx back into the notch in the top of the lower mounting plates.
   - **Step 2:** With the lower pins in place, adjust the height of the upper cane clamp ass’y as needed so that the upper pins (on the MaTRx back) lock/snap into the latch mechanism of the Upper Mounting Plates.
8. With the Split Mounting Hardware (upper and lower clamp ass’y) properly adjusted, fully tighten all clamp assembly hardware.
9. The mounting pins for the MaTRx back may require adjustment to ensure the backrest is properly fitted/secured to the wheelchair; For instructions on adjusting the mounting pins, please refer to the installation manual provided with the MaTRx Series back.

*note: refer to Figure 3.0 to confirm proper mounting plate orientation.
3.0 - Before Installation- Important!

Mounting Plate Configurations:

SEAT DEPTH (Fore/Aft Adjustment):

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 2A 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 2B below).

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

The slots in the upper and lower mounting plates, 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.

4.0 Hardware and MaTRx Back Installation

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

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

Installation Instructions:

1 Remove existing wheelchair back upholstery (if applicable).
2 Establish the desired cane clamp/mounting plate seat depth configuration for the end user (as per Section 3.0).
3 Loosen the screws on the Lower Cane Clamp ass’y and loosely install the clamps (with mounting brackets) onto each back cane. (Install plastic inserts if required).
4 Starting with the left* back cane, position/slide the Lower Cane Clamp to the desired height and tighten the clamp screws enough to hold it in place. (Clamps can be fully tightened after the back is installed and all final adjustments have been made.)
5 From a fixed point on the wheelchair measure the exact height of the installed Cane Clamp assembly, and install the second Cane Clamp at the same height on the right* back cane. Ensure the Cane Clamps/Mounting Plates are also mounted parallel with each other.
6 With the lower cane clamp assemblies installed, loosen the screws on the Upper Cane Clamp assemblies and install the clamps (with mounting brackets) loosely onto each back cane- approximately 7” (18cm) above the lower clamp ass’y. (Install plastic inserts if required). (Clamps can be fully tightened after the MaTRx back is installed and all final adjustments have been made.)
7 To install the MaTRx-PB elite back onto the mounting plates:
   Step 1: Slide the lower mounting pins from the MaTRx back into the notch in the top of the lower mounting plates
   Step 2: With the lower pins in place, adjust the height of the upper cane clamp ass’y as needed so that the upper pins (on the MaTRx back) lock/snap into the latch mechanism of the Upper Mounting Plates.
8 With the Split Mounting Hardware (upper and lower clamp ass’y) properly adjusted, fully tighten all clamp assembly hardware.
9 The mounting pins for the MaTRx back may require adjustment to ensure the backrest is properly fitted/secured to the wheelchair; For instructions on adjusting the mounting pins, please refer to the installation manual provided with the MaTRx Series back.

*note: refer to Figure 3.0 to confirm proper mounting plate orientation.
4.0 Hardware and MaTRx Back Installation

Important! the left & right mounting plate assemblies shown below are defined from a seated position in the wheelchair (i.e.; forward facing position).

Split Mounting Hardware Profile (Left & Right Assemblies)

Figure 3.0

Left Mounting Plates

Right Mounting Plates

2.0 - Hardware Kit Contents

The Split Mounting Hardware has been uniquely designed to allow for mounting of our MaTRx Series wheelchair backs when a rigidizer bar is installed between the wheelchair’s back canes. The easy to use split mounting hardware still maintains a high degree of adjustability, while effectively eliminating any interference issues experienced with our standard mounting hardware.

Note: the MaTRx Series includes: the MaTRx-PB (Standard or Deep) and the MaTRx-PB Elite Back (the Split Hardware is not recommended for the MaTRx-PB Heavy Duty)

Split Mounting Hardware Overview Drawing (Right Side)

Figure 1.0

(Note: Right Ass’y Shown)
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