

WARRANTY

Every Matrix® Genera back is carefully inspected and tested to provide optimum performance. Each back is guaranteed to be free from defects for a period of 12 months from the date of purchase, provided normal use. Should a defect in materials or workmanship occur within 12 months of the original date of purchase, Motion Concepts will, at its option, repair or replace it free of charge. This warranty does not apply to punctures, tears or burns, nor to the removable cushion cover.

The original back must be returned to the dealer and will become the property of Motion Concepts as a condition of processing the warranty claim. All warranty claims must be made through the dealer where the cushion was purchased. Except for express warranties made herein, all other warranties of fitness or use for a particular purpose are excluded. There are no warranties that extend beyond the warranties provided above. Remedies for breach of this warranty are limited to repair or replacement of goods. In no event shall damages for breach of any warranty include any consequential damages or exceed the original cost of the back.

matrix™
SEATING SERIES



Yes, you can.®

Matrix® Genera Back



Invacare

www.invacare.com



Yes, you can.®

USA

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TRD0257-08

i IMPORTANT! The installation instructions contained in this manual should only be carried out by a qualified technician.

INSTALLATION / USER MANUAL

6.0 Removing the Cover/Care Instructions

The Matrix Genera back cover can be removed for laundering purposes if necessary. (*note: the mounting brackets must be removed from back pan prior to cover removal*). With all mounting plates removed, undo the zipper on the cover and carefully pull the cover off the foam and back pan.

General Care and Cleaning: The cover may be easily wiped down with a damp cloth when necessary.

Laundering Directions: (*Zipper should be closed following removal from the cushion and prior to washing*) Machine Wash Outer Cover in Warm Water on Delicate Cycle; Hang to Dry (or Tumble Dry on Low); Do Not Bleach; Do Not Iron; Do Not Dry Clean.

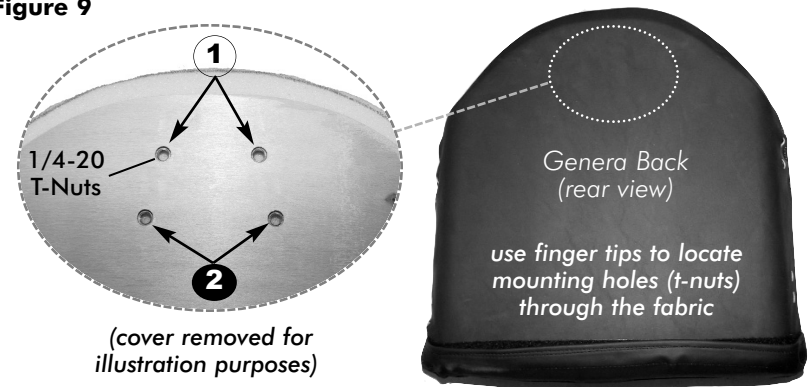
7.0 Installing Head/ Neck Supports (Optional)

All Matrix Genera Backs come equipped with threaded mounting holes (t-nuts) which can be used for attaching optional Head and Neck Supports onto the back pan. Two sets of mounting holes are hidden beneath the outer fabric near the top of the back pan (see **Figure 9** below). The hole patterns are designed to accommodate most standard types of headrest mounting clamps.

Installation Instructions:

1. Determine the appropriate set of mounting holes (t-nuts) for the Headrest Clamp being installed.
2. Use your fingers to locate the mounting holes beneath the fabric and carefully punch an access hole through the fabric for each of the t-nuts.
3. Install the headrest clamp onto the back pan. **Note: t-nuts will require screws with 1/4-20 threads.** (*Headrest mounting hardware not provided*)

Figure 9



5.0 Genera Back Installation & Adjustment

5.4 Depth and Angle Adjustments:

- 1 Determine the desired depth & angle settings for the Matrix Genera Back.
To Adjust: Loosen the cane hook hardware (2 screws per side), and adjust the back to the desired depth and/or recline angle via the slots in the cane hook/mounting plate. Re-tighten all 4 screws to secure the back into position. Refer to **Figure 8.** below.

Note: Depth & Angle adjustments should be made symmetrically on both mounting bracket assemblies.

- 2 Verify that all Matrix Genera Back mounting hardware (all brackets, latches and plates) are fully and properly secured.

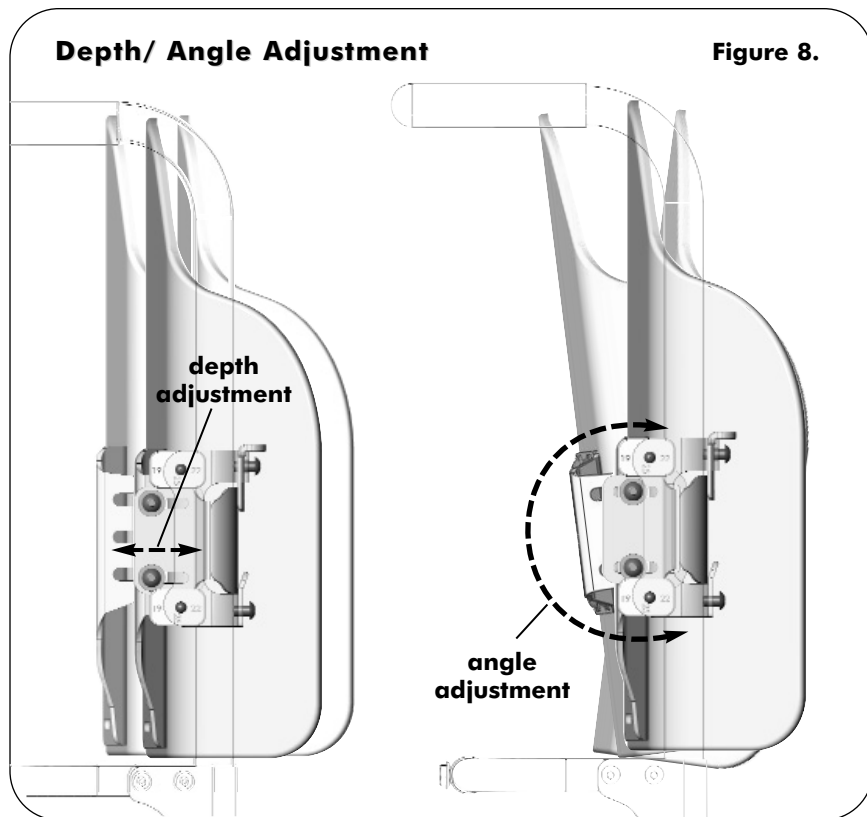
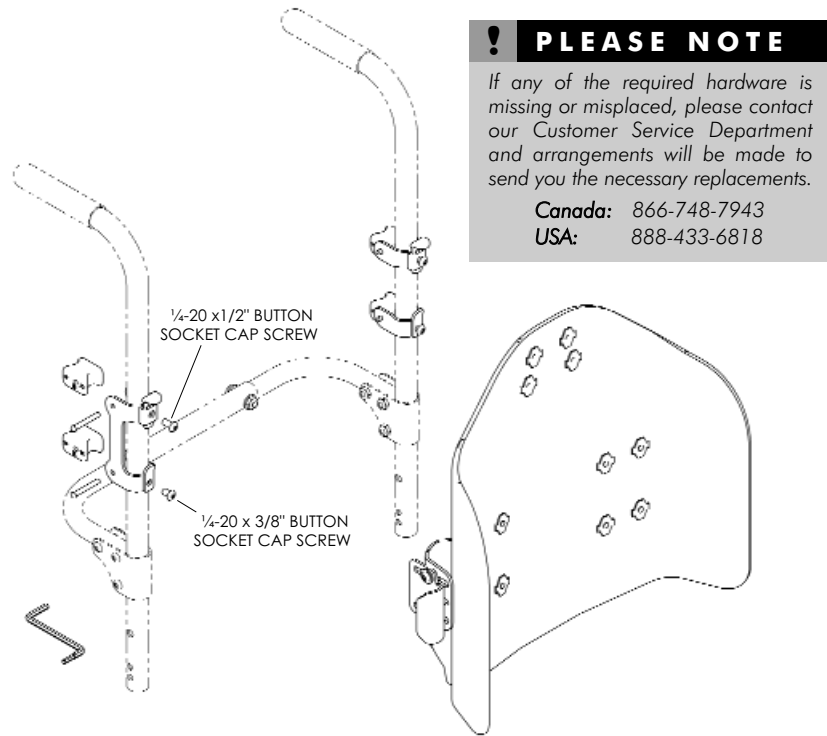


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1.0 Installation Overview



PLEASE NOTE
 If any of the required hardware is missing or misplaced, please contact our Customer Service Department and arrangements will be made to send you the necessary replacements.
 Canada: 866-748-7943
 USA: 888-433-6818

2.0 Tools Required

Metric Hex Key (tool provided) Tape Measure/Ruler

3.0 Before Installation

Important!
 Before beginning the installation process, please read through the entire user manual to understand the various steps and adjustments involved. If you have any questions or concerns during the installation process, please contact our Customer Service Department for assistance.

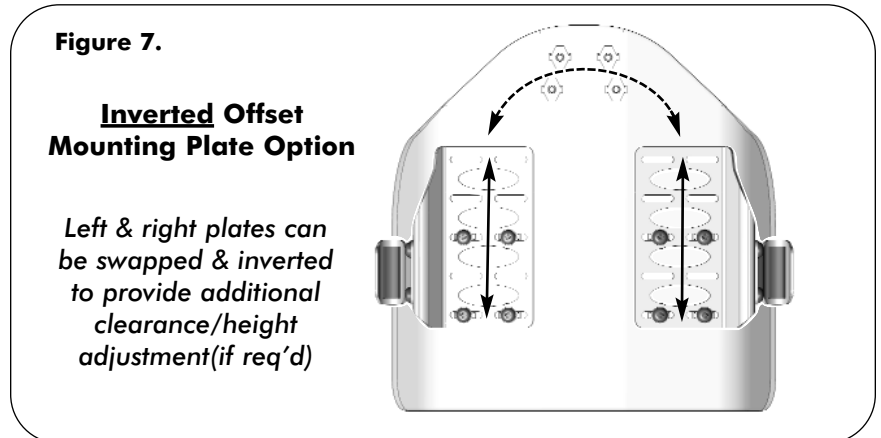
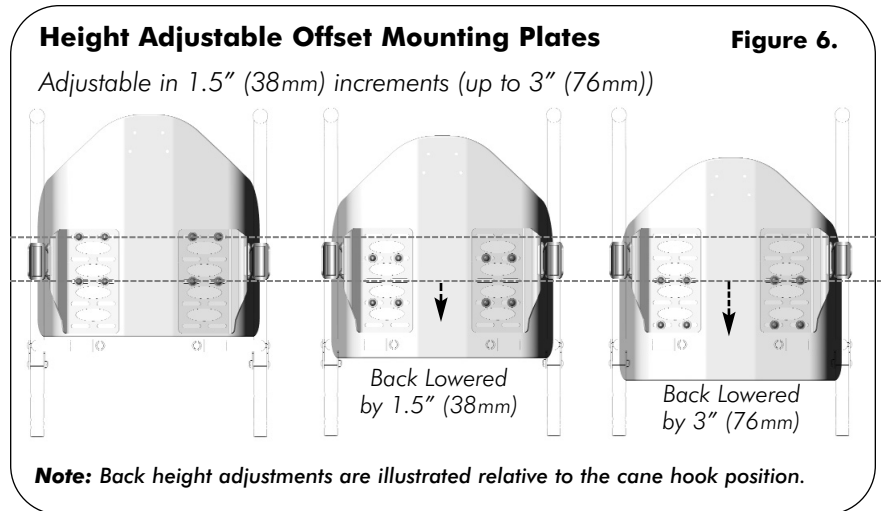
Back Size/ Weight Capacities:	Matrix Genera Back	Back Widths	Back Height	Weight Capacity
	GB-wwhh	16", 18", 20"	16", 20"	250 lbs
		41, 48, 51cm	41cm, 51cm	113 kg

5.0 Genera Back Installation & Adjustment

5.3 Height Adjustment:

The Matrix Genera Back uses offset mounting plates that can be adjusted along the height of the back shell allow for re-positioning the back shell relative to the back canes if necessary. Height adjustments are available in 1.5" (38mm) intervals (up to 3" (76mm)). Refer to **Figure 6.** below.

Note: The left and right mounting plates may also be swapped and inverted to allow further height adjustment and greater clearance for rigidizer bars and/or bent back canes (if required). Refer to **Figure 7.** below.



5.0 Genera Back Installation & Adjustment

5.2 Engaging/Disengaging the Matrix Genera Back:

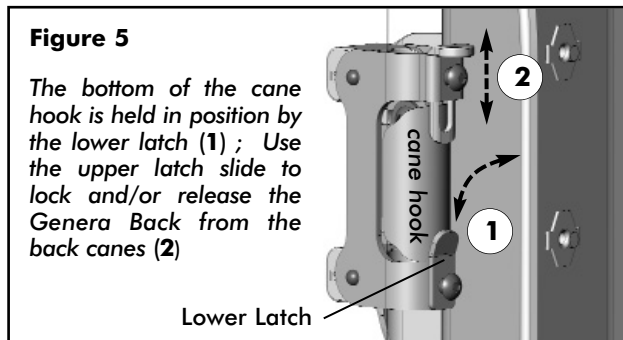
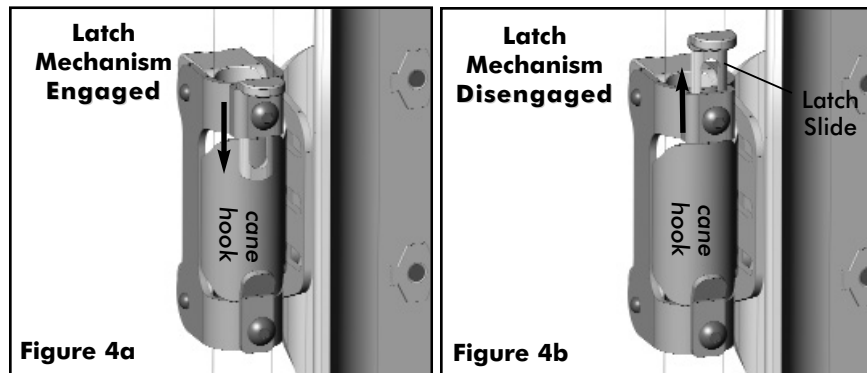
To Engage (Install): (Refer to **Figure 4a** and **5** below)

Install the Genera Back (on an angle) so that the lower edge of the left & right cane hooks slide inside the lower latch. With the upper latch mechanisms disengaged, position the Genera Back upright so that the cane hooks rests flush against the back canes. Slide the upper latch mechanisms down overtop of the cane hooks to hold the backrest in place.

To Disengage: (Refer to **Figure 4b** and **5** below)

Lift the **latch slides** (x2) upward to 'unlock' the cane hooks. Tilt the Genera Back forward and lift up to remove the backrest from the wheelchair (back canes).

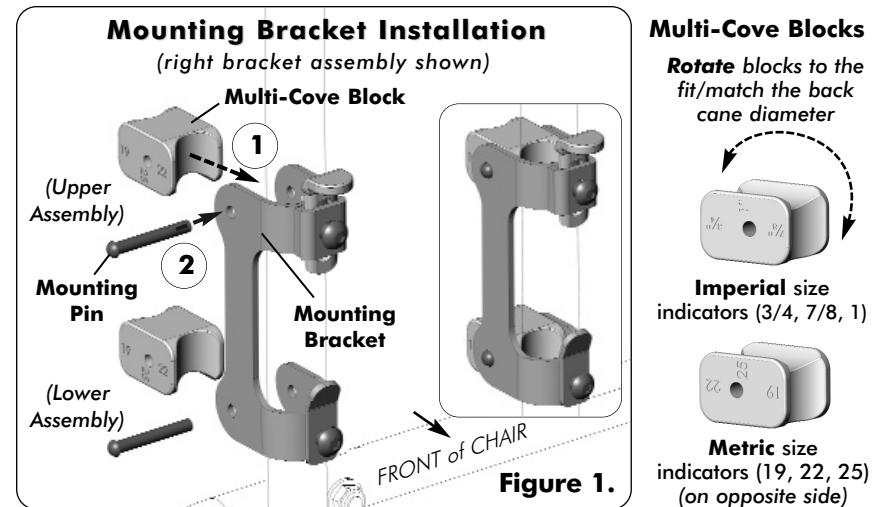
⚠ WARNING! Always ensure that the upper latch slides are fully engaged (and the mounting brackets are properly secured). Failure to do so may cause the backrest to disengage unexpectedly, which may result in serious injury.



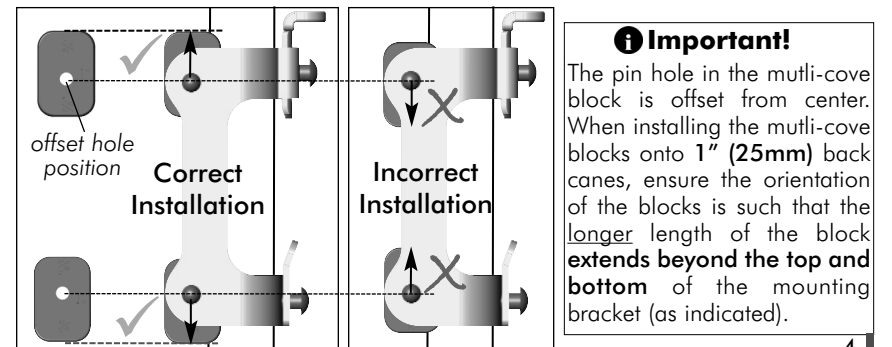
(note: right assembly shown)

4.0 Mounting Bracket Installation

- 1 Remove existing wheelchair back/ upholstery (if applicable).
- 2 Verify the back cane diameter on the wheelchair.
- 3 Working on one back cane at a time, place the mounting bracket onto the back cane at the approximate mounting position. The upper and lower bracket assembly will be installed using the multi-cove blocks & mounting pins provided. **To Install:** Rotate the multi-cove block so that the correct back cane size (indicated on block) is adjacent to the back cane.
- 4 With the block in place, align the hole in the upper mounting bracket with the hole in the multi-cove block (1), then install the mounting pin (2). Ensure the pin passes completely through the block and out the opposite side of the mounting bracket. Refer to **Figure 1**. below.



Cove Block Configuration for 1" (25mm) Back Canes



4.0 Mounting Bracket Installation

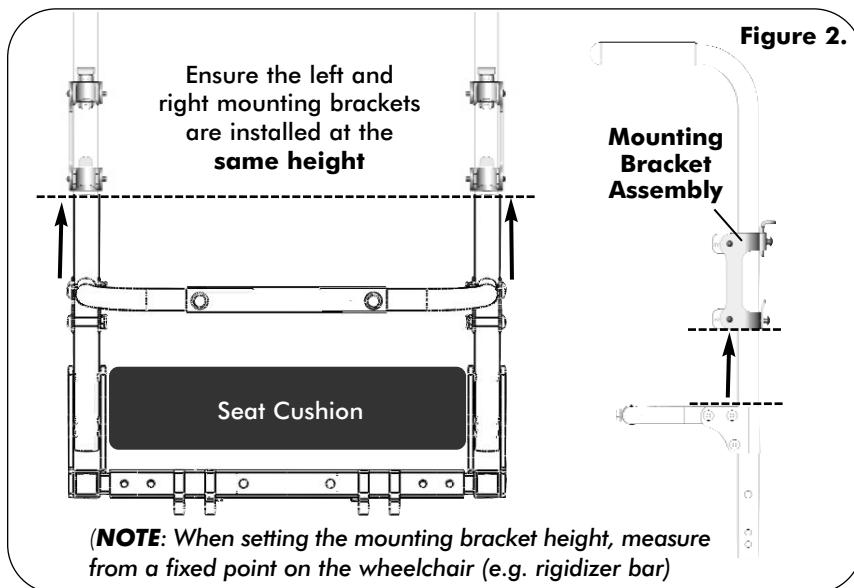
- 5 Repeat step 3 & 4 to install the mounting bracket on the opposite back cane.
(**Note:** At this stage of the installation, each mounting bracket assembly should be able to slide (up and down) along its respective back cane. If the assembly does not slide, loosen the mounting screws slightly).

⚠ WARNING! Ensure all mounting pins are **fully inserted**. Improper pin installation may cause the hardware to come loose and may result in loss of back support and serious personal injury

- 6 Determine the appropriate mounting location/height of the mounting brackets on the back cane. (**Note:** Refer to section 5.3 for additional information on back height adjustments via the mounting plates).
- 7 Working on one back cane at a time, carefully slide the mounting bracket assembly to the desired position (height) along the back cane, and secure it in place by tightening the mounting screws at the upper and lower mounting pin/cove-block location.

⚠ WARNING! When installing the mounting brackets onto bent-style back canes, the mounting bracket **must** be installed on a straight section of the back cane (above or below the bend).

- 8 Secure the remaining mounting bracket assembly on the opposite back cane, making certain that both brackets are installed **at the same height**- see **Figure 2.** below.



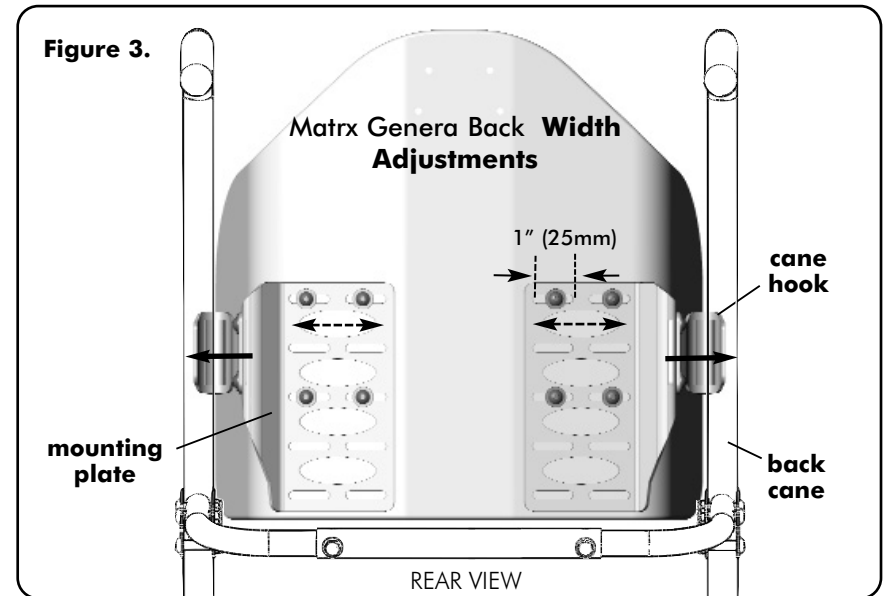
5.0 Genera Back Installation & Adjustment

5.1 Width Adjustment:

The mounting plates on the Matrix Genera Back can be adjusted across the width of the back shell to ensure proper alignment between the cane hooks and the back canes. The Genera Back can accommodate back canes widths up to 1" (25mm) wider than the indicated back size.

- 1 To adjust the back width, loosen the screws (x4) that secure each mounting plate onto the back shell. Adjust the mounting plates equally (via slots) inward or outward in order to align the cane hook with the back cane* - see **Figure 3.** below.

i ***IMPORTANT!** Make plate width adjustments equally to maintain back symmetry between the canes.



Loosen screws on mounting plates and slide the plates in/out as needed to align the cane hook with the back cane