

User Manual

DEALER: This manual MUST be given to the user of the product.

USER: BEFORE using this product, read this manual and save for future reference.

Invacare® Matrx® Genera Back

Model Number GB



Yes, you can.®



I General

I.1 Symbols

Signal words are used in this manual and apply to hazards or unsafe practices which could result in personal injury or property damage. See the information below for definitions of the signal words.



WARNING

Warning indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

CAUTION

Caution indicates a potentially hazardous situation which, if not avoided, may result in property damage or minor injury or both.



Gives useful tips, recommendations and information for efficient, trouble-free use.

I.2 Overview

Important Information

The best way to avoid problems related to pressure sores is to understand their causes and your role in a skin management program.

Your therapist and physician should be consulted if you have questions regarding individual limitations and needs.

All cushions should be selected carefully. Working with your therapist and physician is the best way to assure that a cushion choice matches your individual needs.

As the needs of the individual become more complex, cushion evaluation becomes more important.

Invacare Matrx Genera Back

The Invacare Matrx Genera back is contoured to provide precise orientation within the wheelchair for optimal postural support. The foam is oversized to provide extra comfort and protection.

Outer Cover

The outer cover is made of a mesh material that is moisture resistant and breathable. Regular cleaning and inspection of the outer cover is recommended. Refer to Care and Maintenance on page 8.

2 Safety



Check ALL parts for shipping damage. If shipping damage is noted, DO NOT use. Contact carrier/dealer for further instruction.

2.1 Intended Use

The Invacare Matrx Genera back is designed to provide support and comfort.

2.2 General Warnings



WARNING

DO NOT USE THIS PRODUCT OR ANY AVAILABLE OPTIONAL EQUIPMENT WITHOUT FIRST COMPLETELY READING AND UNDERSTANDING THESE INSTRUCTIONS AND ANY ADDITIONAL INSTRUCTIONAL MATERIAL SUCH AS OWNER'S MANUALS, SERVICE MANUALS OR INSTRUCTION SHEETS SUPPLIED WITH THIS PRODUCT OR OPTIONAL EQUIPMENT. IF YOU ARE UNABLE TO UNDERSTAND THE WARNINGS, CAUTIONS OR INSTRUCTIONS, CONTACT A HEALTHCARE PROFESSIONAL, DEALER OR TECHNICAL PERSONNEL BEFORE ATTEMPTING TO USE THIS EQUIPMENT - OTHERWISE, INJURY OR DAMAGE MAY OCCUR.

ACCESSORIES WARNING

Invacare products are specifically designed and manufactured for use in conjunction with Invacare accessories. Accessories designed by other manufacturers have not been tested by Invacare and are not recommended for use with Invacare products.

INSTALLATION WARNING

The procedures in this manual should be performed by a qualified technician.

After any adjustments, repair or service and before use, make sure that all attaching component parts are secure.

DO NOT install the Invacare Matrx Genera back assembly onto back canes with an outside diameter greater than 1-inch or less than 7/8-inch. Otherwise, injury or damage may occur.

The mounting position of the Invacare Matrx Genera back is directly related to the chair's stability. When the Invacare Matrx Genera back is added to a TILT and/or RECLINING chair, it may cause a decrease in the chair's stability. It may be necessary to reposition the FRONT CASTERS, REAR WHEELS, BACK ANGLE, TILT-IN-SPACE, RECLINE POSITION and/or SEAT DEPTH before use. Use extreme caution when using a new seating position.

Ensure the Invacare Matrx Genera back is properly secured to the wheelchair before using. Otherwise injury or damage may occur.


WARNING

Skin condition should be checked very frequently after the installation of any new seating system. Your therapist and physician should be consulted if you have any questions regarding individual limitations and needs.

Working with your therapist, physician, and equipment supplier is the best way to assure that a seating choice matches your individual needs.

As the needs of the individual become more complex, the seating evaluation becomes more important.

2.3 Weight Limitation and Model Numbers

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Refer to the chart for the weight limitation and stock model numbers.

Configured model number is: GB


GB = Invacare Matr^x Genera Back

Grey = size not available

WIDTH	HEIGHT		WEIGHT LIMIT
	16 IN (41 CM)	20 IN (51 CM)	
16 in (41 cm)	GB1616	GB1620	300 lbs (136 kg)
18 in (46 cm)	GB1816	GB1820	
20 in (51 cm)	GB2016	GB2020	

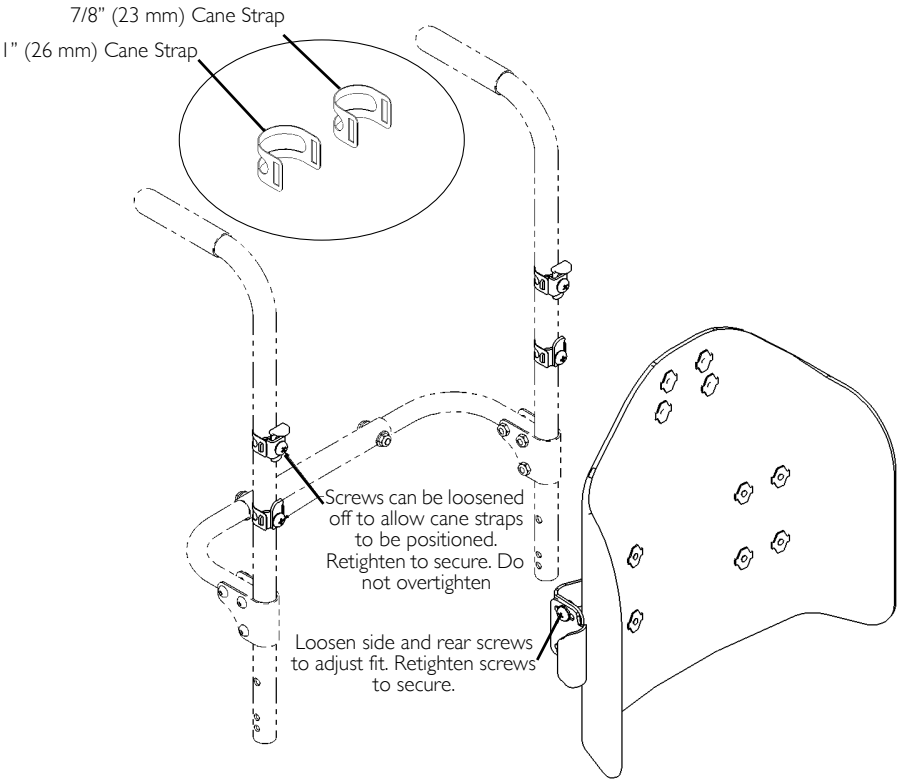
3 Setup

3.1 Hardware Kit Contents

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If any of the 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



3.2 Tools Required

- Phillips Screwdriver
- Tape Measure/Ruler

3.3 Before Installation



WARNING

Before beginning the installation process, please read through the complete instructions 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.

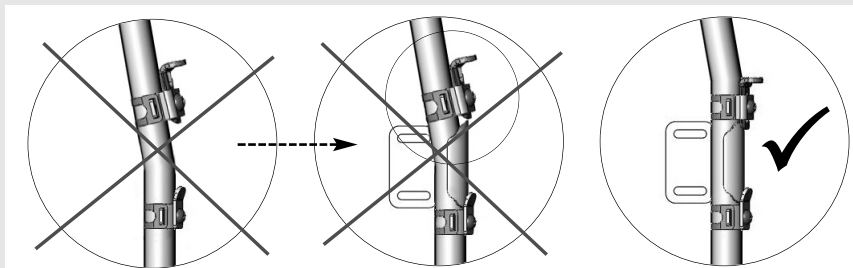
3.4 Installing the Invacare Matrix Genera Back

Installing the Mounting Plates



WARNING

When installing the Invacare Matrix Genera back hardware onto bent-style back canes, both latch assemblies must be installed above or below the bend - see below. Mounting on either side of the bend will cause undue stress on the latch assemblies, which may damage the mounting hardware and may result in personal injury.



CAUTION

When installing the upper and lower latch assemblies onto the back canes, take care not to overtighten the mounting hardware. Use a screwdriver to tighten the phillips screws. Overtightening the screws using a power drill (or by applying excessive torque) may cause damage to the cane strap.



Work on one back cane at a time.

Ensure the lower latch assemblies are installed at the same height on the back canes.

Use a fixed point on the wheelchair (e.g. seat frame) to measure the height of the first latch and install the second latch at the same height.

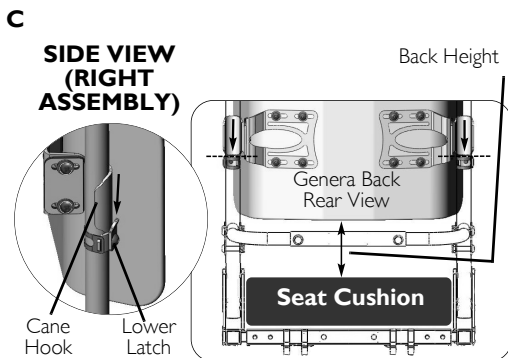
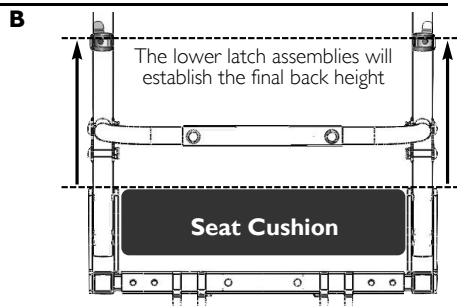
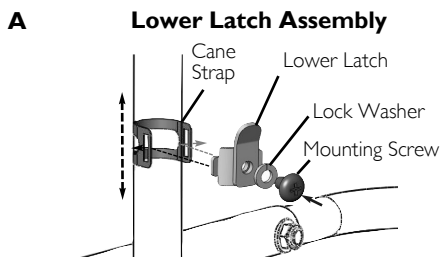
The lower latches can be loosely installed onto the back canes initially, to allow for minor back height adjustments during set-up.

1. Remove existing wheelchair back upholstery (if applicable).
2. Loosely install the lower latch assembly onto the back cane by locking the tabs on the lower latch into the slots of the cane strap as indicated in Figure A.
3. Slide the latch assembly along the back cane to the desired back height and tighten the mounting screw just enough to prevent the assembly from slipping (do not fully tighten).
4. Install the remaining lower latch assembly on the opposite back cane and ensure both assemblies are installed at the same height on the back canes (Figure B).
5. Place the Invacare Matrix Genera back (Cane Hooks) onto the lower latch assemblies (Figure C).



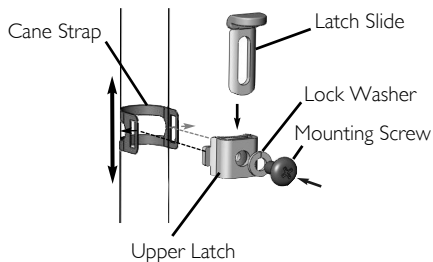
Back width adjustments may be necessary to align the mounting clamps with the back canes. Refer to [Back Width Adjustment](#) on page 6.

6. Make any additional height adjustments to the lower latches to set the final back height.
7. Secure the lower latches into position using the mounting screw. Do not overtighten.
8. Remove the Invacare Matrix Genera back from the lower latches.

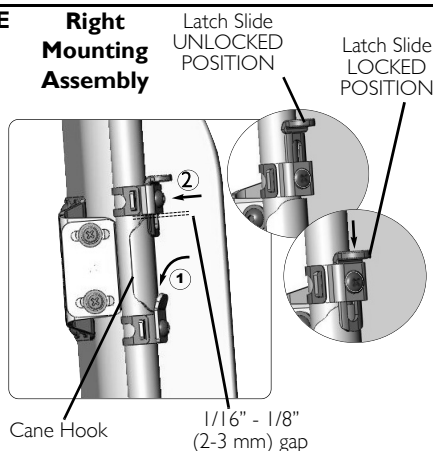


9. Loosely install the upper latch assembly approximately 2 1/2" (65 mm) above the lower latches by locking the tabs on the upper latch into the slots of the cane strap (Figure D).
 10. Repeat STEP 9 for the opposite back cane.
 11. Slide the Invacare Matrix Genera back into the lower latches.
 12. Adjust the height of the upper latches so they are positioned 1/16" - 1/8" (2 - 3 mm) above the top edge of the cane hook on the Invacare Matrix Genera back (Figure E).
 13. Insert the latch slide into the upper latch with the tab facing out.
 14. Install the mounting screw and lock washer to secure the upper latch assembly. Do not overtighten.
 15. Seat the user in the wheelchair.
 16. Loosen the cane hook hardware (2 screws per side), and adjust the back to the desired depth and/or recline angle.
 17. Retighten all 4 screws to secure the back into position (Figure F).
- i** Depth and recline angle adjustments made to the Invacare Matrix Genera back should be made symmetrical on both cane hooks.
- If necessary, the upper latch assembly can be rotated outward to provide additional clearance when the Invacare Matrix Genera back is reclined.
18. Verify that all Invacare Matrix Genera back mounting hardware (all brackets, latches and plates) are fully secured.

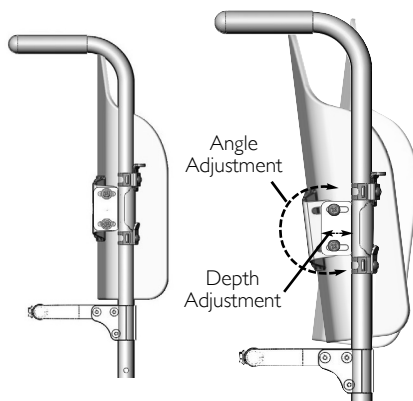
D Upper Latch Assembly



E Right Mounting Assembly



F Depth/Angle Adjustment

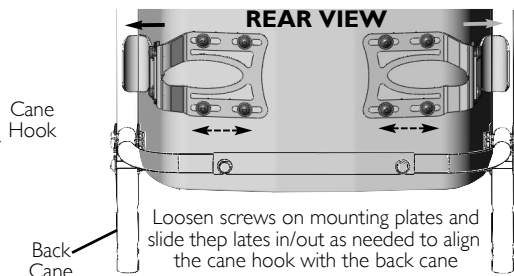
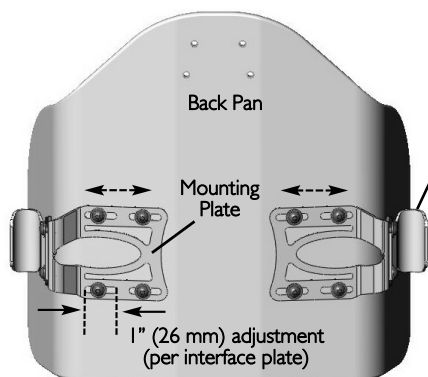


3.5 Back Width Adjustment

i The mounting plates on the Invacare Matrix Genera back can be adjusted across the width of the back to ensure proper alignment between the cane hooks and the back canes. Each Invacare Matrix Genera back is designed to accommodate back cane widths up to 1" (26 mm) wider than the indicated back size.

1. Loosen the 4 screws that secure each mounting plate onto the back pan.
2. Slide the mounting plates inward or outward in order to align the cane hook with the back cane.

i To maintain symmetry, adjustments should be made equally to both plates.



4 Usage

4.1 Disengaging/Engaging the Invacare Matrix Genera Back



WARNING

Always ensure that the upper latch slides are fully engaged and latch assemblies are properly secured. Failure to do so may cause the backrest to disengage unexpectedly, resulting in serious injury.

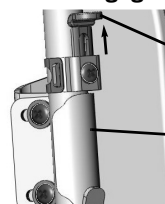
Disengaging the Invacare Matrix Genera Back

1. Lift the 2 latch slides upward to unlock the cane hooks.
2. Tilt the back cushion forward and lift up to remove the Invacare Matrix Genera back from the wheelchair back canes.

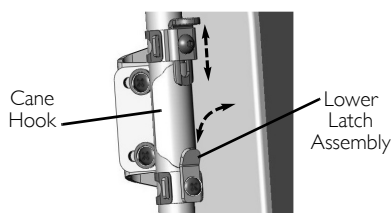
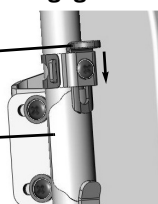
Engaging the Invacare Matrix Genera Back

1. Install the back cushion on an angle so that the left and right cane hooks slide inside the tabs on the lower latch assemblies.
2. With the upper latch mechanism disengaged, place the back cushion upright so that the cane hooks sit flush against the back canes.
3. Slide the upper latch mechanisms over the mounting plates to hold the Invacare Matrix Genera back in place.

Latch Mechanism Disengaged



Latch Mechanism Engaged



4.2 Head/Neck Support Attachments (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. The hole patterns are designed to accommodate most standard types of headrest mounting clamps.

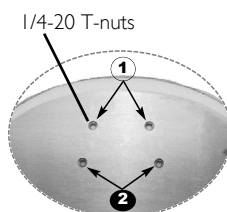
1. Determine the appropriate set of mounting holes (t-nuts) for the headrest clamp being installed.
2. Use your fingers to locate the mounting holes beneath the fabric and carefully punch an access hole through the fabric for each of the t-nuts.
3. Install the headrest clamp onto the back pan.



T-nuts will require screws with 1/4-20 threads.

Headrest mounting hardware is not provided.

Rear View



(cover removed for illustration purposes)



Use fingertips to locate mounting holes (t-nuts) through the fabric

5 Care and Maintenance

5.1 Cleaning

The Invacare Matrix Genera back cover can be removed for laundering. The mounting brackets must be removed from the back pan prior to removing the cover. Undo the zipper on the cover and carefully pull the cover off of the foam and back pan.

General Care and Cleaning

The cover may be easily wiped down with a damp cloth when necessary.

Laundering Directions

**CAUTION**

DO NOT bleach.
DO NOT iron.
DO NOT dry clean.

The zipper should be closed following removal of the cover from the back assembly and prior to washing. Machine wash outer cover in warm water on delicate cycle. Hang to dry or tumble dry on low.

5.2 Inspection

**WARNING**

Check ALL fasteners weekly to ensure that mechanical connections and attaching hardware are tightened securely - otherwise injury or damage may occur.

DO NOT continue to use this product if problems are discovered. Corrective maintenance can be performed at or arranged through your equipment supplier.

Visually inspect parts including hardware, brackets, upholstery materials, foams (if accessible), and plastics, for deformation, corrosion, breakage, wear or compression.

6 After Use

6.1 Reuse

**WARNING: Risk of Injury**

Always have a dealer inspect the product for damage before transferring the product to a different user. If any damage is found, DO NOT use the product. Otherwise injury may occur.

7 Warranty

PLEASE NOTE: THE WARRANTY BELOW HAS BEEN DRAFTED TO COMPLY WITH FEDERAL LAW APPLICABLE TO PRODUCTS MANUFACTURED AFTER JULY 4, 1975.

This warranty is extended only to the original purchaser/user of our products.

This warranty gives you specific legal rights and you may also have other legal rights which vary from state to state.

Invacare/Motion Concepts warrants this product to be free from defects in materials and workmanship for one year of use by original purchaser. This warranty does not apply to punctures, tears or burns, nor to the removable cushion cover. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at Invacare's/Motion Concepts' option, with refurbished or new parts. This warranty does not include any labor or shipping charges incurred in replacement part installation or repair of any such product. Product repairs shall not extend this warranty - coverage for repaired product shall end when this limited warranty terminates. Invacare's/Motion Concepts' sole obligation and your exclusive remedy under this warranty shall be limited to such repair and/or replacement.

For warranty service, please contact the dealer from whom you purchased your Invacare/Motion Concepts product. In the event you do not receive satisfactory warranty service, please write directly to Invacare/Motion Concepts at the address on the back cover. Provide dealer's name, address, model number, the date of purchase, indicate nature of the defect and, if the product is serialized, indicate the serial number.

Invacare Corporation/Motion Concepts will issue a return authorization. The defective unit or parts must be returned for warranty inspection using the serial number, when applicable, as identification within thirty (30) days of return authorization date. DO NOT return products to our factory without our prior consent. C.O.D. shipments will be refused; please prepay shipping charges.

LIMITATIONS AND EXCLUSIONS: THE WARRANTY SHALL NOT APPLY TO PROBLEMS ARISING FROM NORMAL WEAR OR FAILURE TO ADHERE TO THE ENCLOSED INSTRUCTIONS. IN ADDITION, THE FOREGOING WARRANTY SHALL NOT APPLY TO SERIAL NUMBERED PRODUCTS IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED; PRODUCTS SUBJECTED TO NEGLIGENCE, ACCIDENT, IMPROPER OPERATION, MAINTENANCE OR STORAGE; OR PRODUCTS MODIFIED WITHOUT INVACARE'S/MOTION CONCEPTS' EXPRESS WRITTEN CONSENT INCLUDING, BUT NOT LIMITED TO: MODIFICATION THROUGH THE USE OF UNAUTHORIZED PARTS OR ATTACHMENTS; PRODUCTS DAMAGED BY REASON OF REPAIRS MADE TO ANY COMPONENT WITHOUT THE SPECIFIC CONSENT OF INVACARE/MOTION CONCEPTS; PRODUCTS DAMAGED BY CIRCUMSTANCES BEYOND INVACARE'S/MOTION CONCEPTS' CONTROL; PRODUCTS REPAIRED BY ANYONE OTHER THAN AN INVACARE/MOTION CONCEPTS DEALER, SUCH EVALUATION SHALL BE SOLELY DETERMINED BY INVACARE/MOTION CONCEPTS.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS WARRANTIES, IF ANY, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IT SHALL NOT EXTEND BEYOND THE DURATION OF THE EXPRESSED WARRANTY PROVIDED HEREIN AND THE REMEDY FOR VIOLATIONS OF ANY IMPLIED WARRANTY SHALL BE LIMITED TO REPAIR OR REPLACEMENT OF THE DEFECTIVE PRODUCT PURSUANT TO THE TERMS CONTAINED HEREIN. INVACARE/MOTION CONCEPTS SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

THIS WARRANTY SHALL BE EXTENDED TO COMPLY WITH STATE/PROVINCIAL LAWS AND REQUIREMENTS.



Yes, you can.



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