

User Manual



Yes, you can.

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[®] Matr[®] Airflo[™] Cushion



ILCAIR LoContour

IGCAIR Gentle Contour

IMCAIR Max Contour

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.

AirFlo Insert

The AirFlo insert is made from a fire resistant, neoprene multicelled air bladder. The cells are constructed individually to move independently of each other. This allows the body to sink into each cell as needed.

Outer/Inner Covers

The top layer of the outer cover is made from a highly elastic nylon spandex material. The sides are fabricated with a durable nylon fabric. The bottom is fabricated from a heavyweight, waterproof, non-skid fabric.

An inner water repellent cover is provided for protection of the foam. Regular cleaning and inspection of the inner and outer covers is recommended. Refer to [Care and Maintenance](#) on page 9.

I.3 Weight Limitation

The weight limitation of the cushion is 250 lb (113 kg).

I.4 Model Numbers

Refer to the chart for the model numbers.

WIDTH	DEPTH					
	15	16	17	18	19	20
13	ILCAIR1315	ILCAIR1316	ILCAIR1317	ILCAIR1318	Sizes Not Available	
	IGCAIR1315	IGCAIR1316	IGCAIR1317	IGCAIR1318		
	IMCAIR1315	IMCAIR1316	IMCAIR1317	IMCAIR1318		
14	ILCAIR1415	ILCAIR1416	ILCAIR1417	ILCAIR1418		
	IGCAIR1415	IGCAIR1416	IGCAIR1417	IGCAIR1418		
	IMCAIR1415	IMCAIR1416	IMCAIR1417	IMCAIR1418		
15	ILCAIR1515	ILCAIR1516	ILCAIR1517	ILCAIR1518	ILCAIR1519	ILCAIR1520
	IGCAIR1515	IGCAIR1516	IGCAIR1517	IGCAIR1518	IGCAIR1519	IGCAIR1520
	IMCAIR1515	IMCAIR1516	IMCAIR1517	IMCAIR1518	IMCAIR1519	IMCAIR1520
16	ILCAIR1615	ILCAIR66	ILCAIR1617	ILCAIR68	ILCAIR1619	ILCAIR1620
	IGCAIR1615	IGCAIR1616	IGCAIR1617	IGCAIR1618	IGCAIR1619	IGCAIR1620
	IMCAIR1615	IMCAIR1616	IMCAIR1617	IMCAIR1618	IMCAIR1619	IMCAIR1620
17	ILCAIR1715	ILCAIR1716	ILCAIR1717	ILCAIR1718	ILCAIR1719	ILCAIR1720
	IGCAIR1715	IGCAIR1716	IGCAIR1717	IGCAIR1718	IGCAIR1719	IGCAIR1720
	IMCAIR1715	IMCAIR1716	IMCAIR1717	IMCAIR1718	IMCAIR1719	IMCAIR1720
18	ILCAIR1815	ILCAIR86	ILCAIR1817	ILCAIR88	ILCAIR1819	ILCAIR1820
	IGCAIR1815	IGCAIR1816	IGCAIR1817	IGCAIR1818	IGCAIR1819	IGCAIR1820
	IMCAIR1815	IMCAIR1816	IMCAIR1817	IMCAIR1818	IMCAIR1819	IMCAIR1820
19	ILCAIR1915	ILCAIR1916	ILCAIR1917	ILCAIR1918	ILCAIR1919	ILCAIR1920
	IGCAIR1915	IGCAIR1916	IGCAIR1917	IGCAIR1918	IGCAIR1919	IGCAIR1920
	IMCAIR1915	IMCAIR1916	IMCAIR1917	IMCAIR1918	IMCAIR1919	IMCAIR1920
20	ILCAIR2015	ILCAIR06	ILCAIR2017	ILCAIR08	ILCAIR2019	ILCAIR2020
	IGCAIR2015	IGCAIR2016	IGCAIR2017	IGCAIR2018	IGCAIR2019	IGCAIR2020
	IMCAIR2015	IMCAIR2016	IMCAIR2017	IMCAIR2018	IMCAIR2019	IMCAIR2020
21	ILCAIR2115	ILCAIR2116	ILCAIR2117	ILCAIR2118	ILCAIR2119	ILCAIR2120
	IGCAIR2115	IGCAIR2116	IGCAIR2117	IGCAIR2118	IGCAIR2119	IGCAIR2120
	IMCAIR2115	IMCAIR2116	IMCAIR2117	IMCAIR2118	IMCAIR2119	IMCAIR2120
22	ILCAIR2215	ILCAIR2216	ILCAIR2217	ILCAIR2218	ILCAIR2219	ILCAIR2220
	IGCAIR2215	IGCAIR2216	IGCAIR2217	IGCAIR2218	IGCAIR2219	IGCAIR2220
	IMCAIR2215	IMCAIR2216	IMCAIR2217	IMCAIR2218	IMCAIR2219	IMCAIR2220

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 AirFlo is designed to provide continuous, flexible support by allowing the body to sink into the air-filled cells. By doing so, it provides pelvic stability, leg positioning and pressure management.

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

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

WARNING

Skin condition should be checked very frequently after the installation of any new cushion.

Your therapist and physician should be consulted if you have any questions regarding weight relief, self-examination of the skin, or individual limitations and needs.

Make sure the hook and loop fastening straps are securely attached between the seating surface and cushion before using.

Care should be taken to prevent the hook and loop fasteners from becoming wet. Prolonged contact with moisture may reduce the hold of the hook and loop fasteners.

Check the AirFlo daily to determine whether the inflation level is correct. Over-inflation will not allow the body to sink deeply enough into the cushion and proper body weight distribution will not be achieved. Under-inflation may result in the user "bottoming out" onto the cushion base.

3 Usage

3.1 Attaching/Removing the Cushion To/From the Seating Surface



WARNING

Make sure the hook and loop fasteners are securely attached to the seating surface and to the cushion **BEFORE** using. If the cushion is not secured to the seating surface, use caution when transferring in and out of the wheelchair.



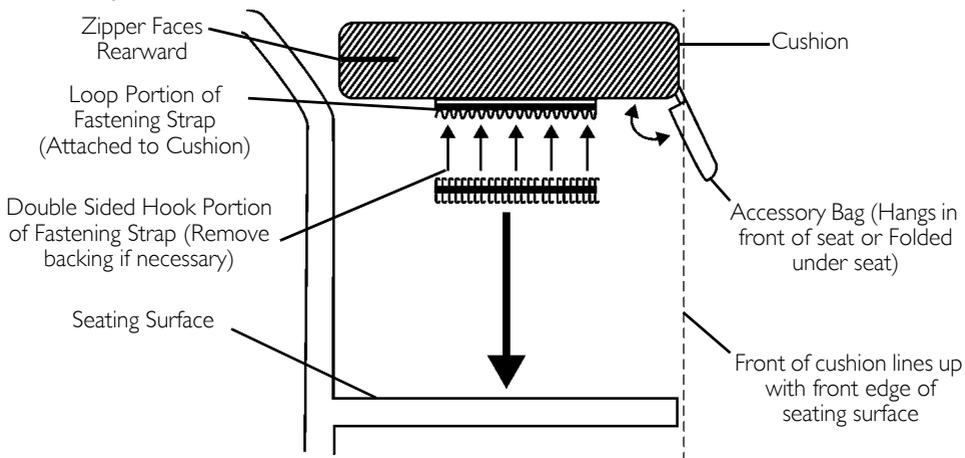
To remove the cushion from the seating surface, reverse the following procedure. The cushion attaches to the seating surface using the hook and loop fasteners on the bottom of the cover. The seating surface can be seat upholstery, drop base or seat pan.

The cushion has a non-skid bottom to reduce shifting or moving of the seat even when it is not secured with attachment strips.

There are double sided hook attachment strips attached to the loop attachment strips on the bottom of the AirFlo. Depending on the seating surface the AirFlo is to be used on, the double sided hook fasteners will either be left in place or removed.

The zipper on the cushion **MUST ALWAYS** face rearward and the accessory bag hangs in front on the seat.

If the accessory bag is empty, it may be folded under the seat, and attached with the hook and loop fasteners.



Hook Attachment Strips/No Attachment Strips

1. Remove double sided hook from bottom of cushion.
2. Align front edge of cushion with front edge of seating surface.
3. Perform one of the following:
 - Hook Attachment Strips - Secure the cushion to the seating surface, making sure that the strips of loop on the cushion cover are securely attached to the strips of hook on the seating surface.
 - No Attachment Strips - Place the cushion on the seating surface.

Loop Attachment Strips

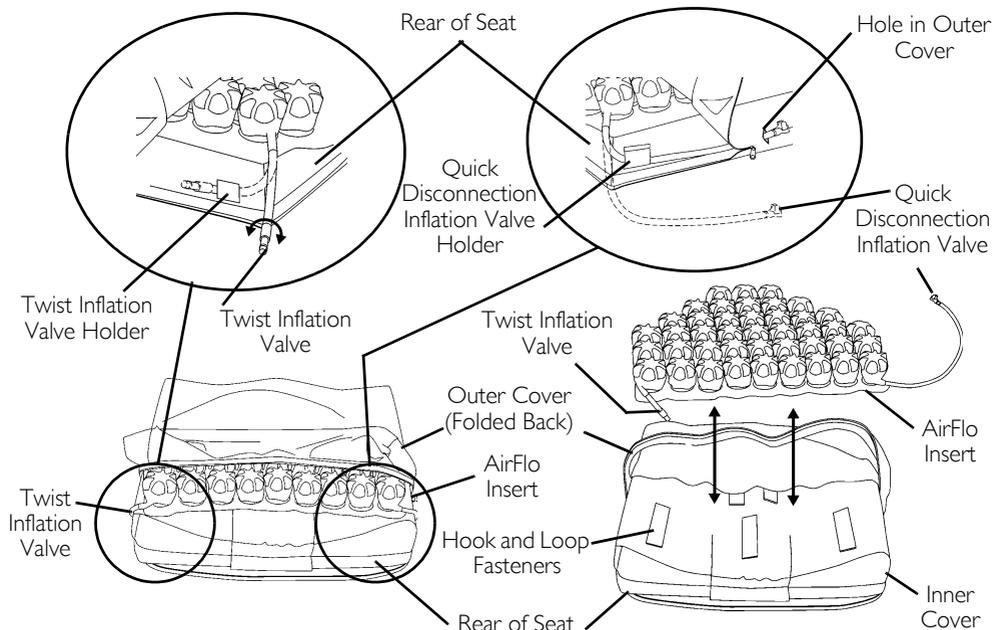
1. Verify the double sided hook strips are securely attached to the loop attachment strips on the bottom of the cushion.
2. Align front edge of cushion with front edge of seating surface.
3. Secure the cushion to the seating surface, making sure that the double sided hook is securely attached to the strips of loop on the cushion cover and the seating surface.

3.2 Removing/Installing AirFlo Insert



The AirFlo insert is positioned on top of the inner cover.

Hook and loop fasteners on the AirFlo insert are located under the AirFlo insert.



Removing the AirFlo Insert

1. Remove the cushion from the seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.
2. Unzip the outer cover and fold it back until the AirFlo insert is exposed.
3. Feed the twist inflation valve through the twist inflation valve holder on the side of the inner cover (Detail "A").
4. Slide the quick disconnection inflation valve through the hole in the outer cover (Detail "B").
5. Feed the quick disconnection inflation valve through the quick disconnection inflation valve holder on the side of the inner cover.
6. Grasp the AirFlo insert and pull it away from the seat (Detail "C").

Installing the AirFlo Insert

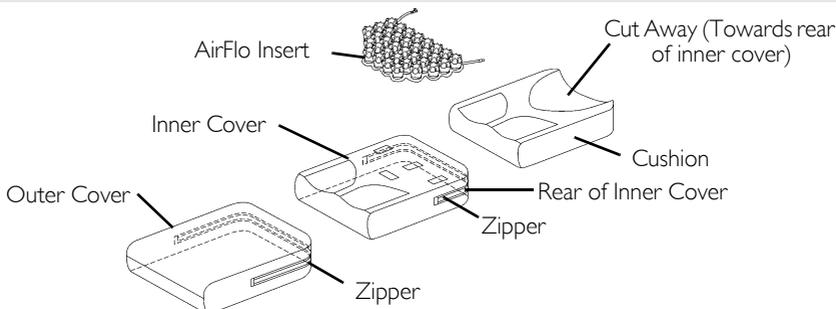
1. Position the AirFlo insert so that the quick disconnection inflation valve and the twist inflation valve are facing the rear of the seat (Detail "C").
2. Align the edge of the seat, making sure the hook and loop fasteners on the AirFlo insert align with the hook and loop fasteners on the inner cover.
3. Firmly push the AirFlo insert and the seat together, making sure the hook and loop fasteners meet.
4. Feed the quick disconnection inflation valve through the quick disconnection inflation valve holder on the side of the inner cover (Detail "B").
5. Feed the quick disconnection inflation valve through the hole in the outer cover.
6. Feed the twist inflation valve through the twist inflation valve holder on the side of the inner cover (Detail "A").
7. Zip the outer cover closed.
8. Reattach cushion onto seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.

3.3 Removing/Installing the Cushion Covers



WARNING

The covers are designed to protect the foam from moisture and to provide fire retardancy. DO NOT use the cushion without either the inner or outer cover. If the covers are torn, they MUST be replaced IMMEDIATELY.



Removing the Outer Cover



CAUTION

DO NOT remove both the outer cover and inner cover at the same time, otherwise damage to the inner cover material may occur.

1. Remove the cushion from the seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.
2. Unzip the outer cover.
3. Remove the AirFlo insert. Refer to [Removing/Installing AirFlo Insert](#) on page 5.
4. Remove cushion, still inside the inner cover, from the outer cover.

Installing the Outer Cover

1. Position the cushion with inner cover zipper and the cut away towards the rear of the outer cover.
2. Slide the cushion into the outer cover.
3. Install the AirFlo insert. Refer to [Removing/Installing AirFlo Insert](#) on page 5.
4. Zip the outer cover closed.



CAUTION

Use care not to snag the inner cover in the outer cover zipper, or damage to the inner cover will occur.

5. Reattach cushion onto seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.

Removing the Inner Cover

1. Remove the cushion from the seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.
2. Remove the AirFlo insert. Refer to [Removing/Installing AirFlo Insert](#) on page 5.
3. Remove the cushion from the outer cover. Refer to [Removing the Outer Cover](#) on page 6.
4. Unzip the existing inner cover.
5. Remove the cushion from the inner cover.

Installing the Inner Cover

1. Position the cushion with the cut away towards the rear of the inner cover.
 The back surface of the cushion is marked "REAR".
The zipper is at the rear of the cover.
2. Slide the cushion into the inner cover.
3. Zip the inner cover closed.
4. Reinstall the cushion, with inner cover in place, into the outer cover. Refer to [Installing the Outer Cover](#) on page 6.
5. Install the AirFlo insert. Refer to [Removing/Installing AirFlo Insert](#) on page 5.
6. Reattach cushion onto seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.

3.4 Inflating the AirFlo



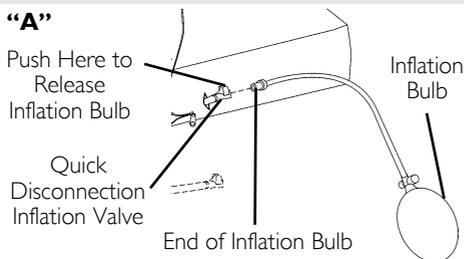
The AirFlo can be inflated by squeezing the inflation bulb or by using the twist inflation valve.



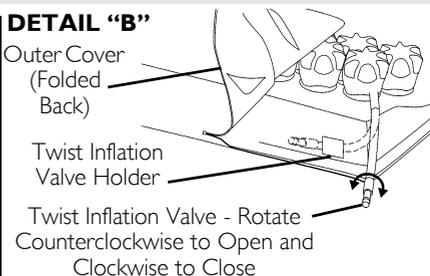
WARNING

Care should be taken to ensure that the AirFlo is properly inflated. Over-inflation will not allow the body to sink deeply enough into the cushion and proper body weight distribution will not be achieved. Under-inflation may result in the user “bottoming out” onto the cushion base. Check the AirFlo daily to determine whether the inflation level is correct.

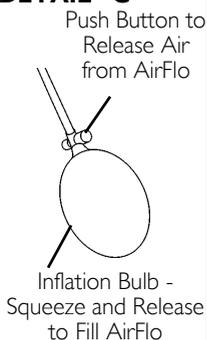
DETAIL “A”



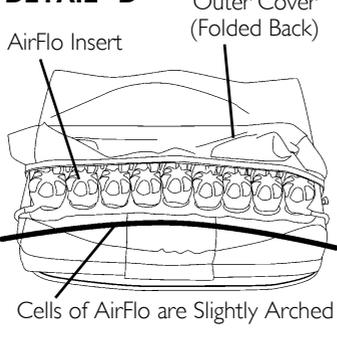
DETAIL “B”



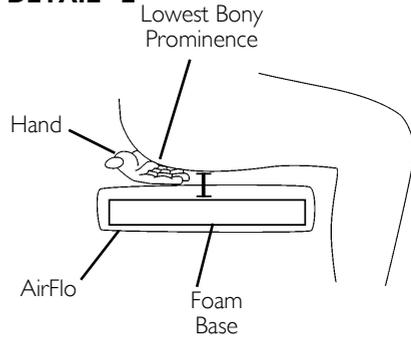
DETAIL “C”



DETAIL “D”



DETAIL “E”



Using the Inflation Bulb

1. Grasp the end of the inflation bulb (Detail “A”).
2. Firmly push it into the end of the quick disconnection inflation valve until an audible “click” is heard.
3. Unzip the outer cover and fold it back until the AirFlo insert is exposed (Detail “D”).
4. Squeeze and release the inflation bulb until the cells of the AirFlo insert are slightly arched (Details “C” and “D”).
5. Zip the outer cover closed.
6. Position the AirFlo onto the seating surface. Refer to Attaching/Removing the Cushion To/From the Seating Surface on page 4.
7. Position the user onto the AirFlo in a normal seating position, making sure the armrests, footrests and backrests are adjusted optimally for the user.
8. Position a hand between the AirFlo and the user’s buttocks and locate the lowest bony prominence of the user (Detail “E”).
9. There should be approximately 1/2-inch between the user’s lowest bony prominence and the foam base of the AirFlo. If there is not, perform one of the following:
 - Decrease the distance between the user’s lowest bony prominence and the foam base of the cushion - depress the button on the inflation bulb to release air from the AirFlo (Detail “C”).
 - Increase the distance between the user’s lowest bony prominence and the foam base of the cushion - continue to inflate the AirFlo by squeezing and releasing the inflation bulb.

10. If necessary, repeat steps 7-8 until there is approximately 1/2-inch between the user's lowest bony prominence and the foam base of the AirFlo.
11. Push the button on top of the quick disconnection valve to disconnect the inflation bulb.
 - i** The quick disconnection valve automatically closes when the inflation bulb is disconnected. The inflation bulb may be placed in the accessory pouch (hanging in the front of the cushion when not in use).

Using the Twist Inflation Valve

- i** The AirFlo can be inflated using the twist inflation valve. This is provided in the event the quick disconnection valve cannot be used.
 1. Remove the outer cover. Refer to [Removing the Outer Cover](#) on page 6.
 2. Feed the twist inflation valve through the twist inflation valve holder on the side of the seat (Detail "B").
 3. Rotate the tip of the twist inflation valve counterclockwise to open it.
 4. Using a small hand pump or a small bicycle pump, pump air into the twist inflation valve until the cells of the AirFlo insert are slightly arched (Detail "D").
 5. Rotate the tip of the twist inflation valve clockwise to close it so that air cannot escape from the AirFlo insert (Detail "B").
 6. Position the AirFlo (without outer cover) onto the top of the seating surface. The AirFlo will not be secured to the seating surface at this time.
 7. Position the user onto the AirFlo (without outer cover) in a normal seating position, making sure the armrests, footrests and backrests are adjusted optimally for the user.
 8. Position a hand between the AirFlo and the user's buttocks and locate the lowest bony prominence of the user (Detail "E").
 9. There should be approximately 1/2-inch between the user's lowest bony prominence and the foam base of the AirFlo. Perform one of the following:
 - The 1/2-inch space is achieved - Continue on to STEP 12.
 - The 1/2 inch is not achieved - Continue on to STEP 10.
 10. Rotate the tip of the twist inflation valve counterclockwise to open it and allow air to release until there is approximately 1/2-inch between the user's lowest bony prominence and the foam base of the AirFlo.
 11. Rotate the tip of the twist inflation valve clockwise to close it so that air cannot escape from the cushion (Detail "B").
 - i** To increase the distance between the user's lowest bony prominence and the foam base of the cushion, remove the user from the AirFlo and repeat STEPS 3-10.
 12. Remove the user from the AirFlo.
 13. Remove the AirFlo from the seating surface.
 14. Feed the twist inflation valve through the twist inflation valve holder on the side of the seat (Detail "B").
 15. Reinstall the outer cover. Refer to [Installing the Outer Cover](#) on page 6.
 16. Reposition the AirFlo (with the outer cover) onto the seating surface. Refer to [Attaching/Removing the Cushion To/From the Seating Surface](#) on page 4.

4 Care and Maintenance



DO NOT use an abrasive detergent, cleaner or cloth during maintenance.

4.1 Cleaning

Regular cleaning of the outer cover, inner cover and cushion is recommended.

Outer Cover



CAUTION

DO NOT use fabric softeners or bleach.
DO NOT machine dry. Air dry only. DO NOT dry in sun.
Failure to follow the washing instructions can reduce the flame retardency of the outer cover.

Machine wash the outer cover in cold water on gentle cycle using a mild detergent once a week.

AirFlo Insert



CAUTION

DO NOT place the AirFlo insert into the washing machine or dryer. Otherwise, damage may result.

1. Verify all the valves on the AirFlo insert are closed.
2. Using a washcloth and soft gentle brush, hand wash the AirFlo insert in baking soda (or vinegar) and lukewarm water.
3. Allow the AirFlo insert to air dry for approximately fifteen minutes.
4. Using a towel, complete drying the AirFlo insert.

Inner Cover

Hand clean the inner cover using a soft cloth, warm water and a mild soap solution. Rinse off and hang dry.

Foam

Care should be taken to prevent the seat foam from getting wet. If the seat foam begins to deteriorate from prolonged contact with moisture, it should be replaced immediately.

4.2 Inspection



WARNING

Initially and once a week, visually inspect all parts, including upholstery materials, foams and AirFlo insert from deformation, corrosion, breakage wear or compression.

DO NOT continue to use this product if any of the upholstery materials, foams, and/or plastics are found to be deformed, breaking, worn, and/or compressed. Corrective maintenance can be performed at or arranged through your equipment supplier.

5 After Use

5.1 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.

6 Limited 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 warrants this product to be free from defects in materials and workmanship for two years of use by original purchaser except for the cover, which is warranted for a period of 90 days of use by the original purchaser. If within such warranty period any such product shall be proven to be defective, such product shall be repaired or replaced, at Invacare's 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 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 product. In the event you do not receive satisfactory warranty service, please write directly to Invacare 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 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 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; PRODUCTS DAMAGED BY CIRCUMSTANCES BEYOND INVACARE'S CONTROL; PRODUCTS REPAIRED BY ANYONE OTHER THAN AN INVACARE DEALER, SUCH EVALUATION SHALL BE SOLELY DETERMINED BY INVACARE.

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 SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES WHATSOEVER.

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

Notes



Yes, you can.

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