




Millennia™

Backboard



Read this Manual and Retain  for Future Reference

FERNO®

Instructions for Use

October 2023
Pub. No. 234-2019-02

Ferno Customer Relations

For ordering assistance or general information:

CANADA AND THE U.S.A.

Telephone (Toll-free)	1.877.733.0911
Telephone	1.937.382.1451
Fax (Toll-free)	1.888.388.1349
Fax	1.937.382.1191
Internet	www.ferno.com

ALL OTHER LOCATIONS

For assistance or information, please contact your Ferno distributor. If you do not have a Ferno distributor, please contact Ferno Customer Relations:

Ferno-Washington, Inc., 70 Weil Way
Wilmington, Ohio 45177-9371, U.S.A.

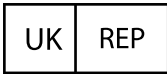
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USERS' MANUALS





To request additional free users' manuals, contact Ferno Customer Relations, your Ferno distributor, or www.ferno.com.

Unique Device Identification (UDI)





Ferno complies with the United States Food and Drug Administration's (FDA) Unique Device Identification (UDI) regulation to identify medical devices. The UDI label contains information in human- and machine-readable form. Device information is online at the FDA's Global Unique Device Identification Database (GUDID). The public can search and download information at AccessGUDID at www.fda.gov.

The label is located at the foot end of the backboard.



	Millennia™ BB Series Orange 16"	
 Ferno-Washington Inc. Wilmington, Ohio 45177 USA +1 937 382 1451	UDI-DI (01) 00190790003425 REF 010-7913	 UK CA
EC REP FERNO S.r.l. via B. Zallone, n. 26 40066 Pieve di Centro, Bologna, Italy +39 051 6860028	LOT	

	Millennia™ BB Series Yellow 16"	
 Ferno-Washington Inc. Wilmington, Ohio 45177 USA +1 937 382 1451	UDI-DI (01) 00190790003425 REF 010-7914	 UK CA
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	Millennia™ BB Series White 18"	
 Ferno-Washington Inc. Wilmington, Ohio 45177 USA +1 937 382 1451	UDI-DI (01) 00190790003432 REF 010-7915	 UK CA
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	Millennia™ BB Series Orange 18"	
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Disclaimer

This manual contains general instructions for the use, operation and care of this product. The instructions are not all-inclusive. Safe and proper use of this product is solely at the discretion of the user. Safety information is included as a service to the user. All other safety measures taken by the user should be within and under consideration of applicable regulations and local protocol. Training on the proper use of this product must be provided before using this product in an actual situation.

Retain this manual for future reference. Include it with the product in the event of transfer to new users. Additional free copies are available upon request from Customer Relations.

Proprietary Notice

The information disclosed in this manual is the property of Ferno-Washington, Inc., Wilmington, Ohio, USA. Ferno-Washington, Inc. reserves all intellectual property rights, proprietary design rights, manufacturing rights, reproduction use rights, and sales use rights thereto, and to any article disclosed therein except to the extent those rights are expressly granted to others or where not applicable to vendor proprietary parts.

Limited Warranty Statement

The products sold by Ferno are covered by a limited warranty, which is printed on all Ferno invoices. The complete terms and conditions of the limited warranty, and the limitations of liability and disclaimers, are also available upon request by calling Ferno at 1.800.733.3766 or 1.937.382.1451.


Adverse Event Notice

In the event of an adverse event or serious incident related to the use of this device, the end user/operator must report the incident to Ferno-Washington, Inc. at 70 Weil Way, Wilmington, Ohio 45177 USA, 1-877-733-0911, or via email at tscoordinator@ferno.com. If the incident occurred in the European Union, report it to Ferno's Authorized EU Representative and the competent authority of the Member State in which the end user is established.

1 - SAFETY INFORMATION

1.1 Warning

Warning safety alerts indicate a potentially hazardous situation that, if not avoided, could result in injury or death.

 WARNING
Untrained operators can cause injury or be injured. Trained operators must maintain control of the backboard and direct all helpers.
Improper use can cause injury. Use the backboard only for the purpose described in this manual.
An unattended patient can be injured. Stay with the patient at all times.
An unrestrained patient can be injured. Use patient restraints to secure the patient on the backboard.
Improper maintenance can cause injury. Maintain the backboard only as described in this manual.
Attaching improper items to the backboard can cause injury. Use only Ferno-approved items on the backboard.
Modifying the backboard can cause injury and damage. Use the backboard only as designed by Ferno.

1.2 Notice

Notices emphasize important, but not hazard-related information. Failure to follow Notices could result in product or property damage.





NOTICE

1.3 Bloodborne Disease Notice

To reduce the risk of exposure to blood or other potentially infectious materials when using the backboard, follow the disinfecting and cleaning instructions in this manual.

1.4 Symbol Glossary

The symbols defined here are used on the backboard and/or in this manual. Ferno uses symbols recognized by the International Standards Organization (ISO), American National Standards Institute (ANSI) and the emergency medical services industry.

Symbol	Definition
	General warning of potential injury
	Read the users' manual
	Two trained operators required
	Load Capacity (Safe Working Load in pounds, kilograms, stone)

1.5 Compliance

The backboard conforms to EN 1865-1:2010+A1:2015.

2 - OPERATOR FOCUS


2.1 Operator Training

Operator using the backboard:

- must read and understand this manual.
- must have training on proper use of the backboard.
- must have a training on emergency-medical service and emergency patient-handling procedures.
- must have the physical ability to assist the patient.
- must practice with the backboard before using it with a patient.
- must keep training records. For a sample training record sheet, see “Training Record” on page 11.

⚠ WARNING

Untrained operators can cause injury or be injured. Trained operators must maintain control of the backboard and direct all helpers.



Load Capacity

Inspect the backboard if the load capacity has been exceeded. See “Inspecting the Backboard” on page 9.

2.2 Daily Operator Duty

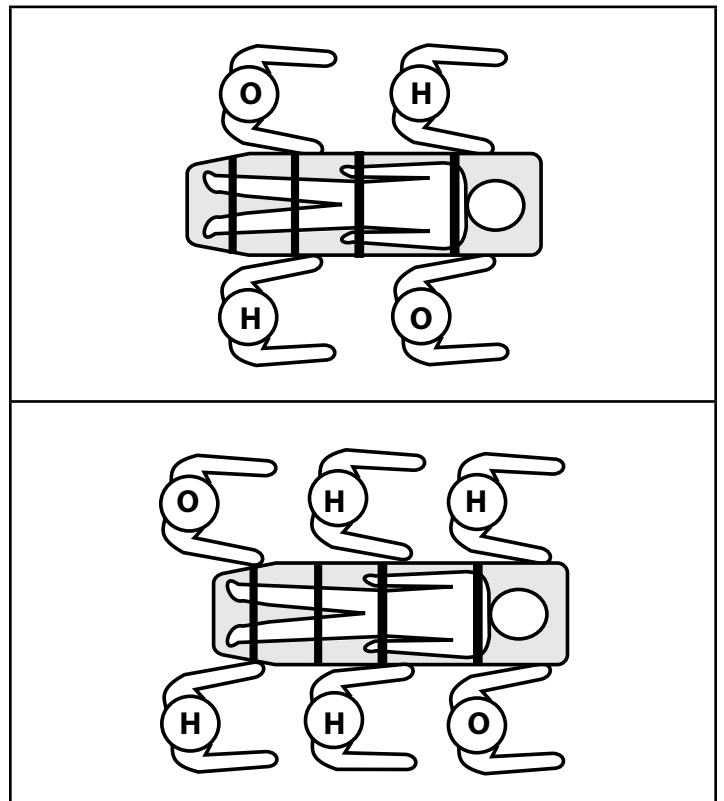
It is good practice for operators to check equipment at the start of each work shift. To check the backboard prior to use, follow the procedures described in this manual and visually inspect it for readiness. See “Inspecting the Backboard” on page 9.

2.3 Using Additional Help

Operating the backboard requires a minimum of two trained operators. They may need additional trained help when working with heavy loads (patient plus equipment).

- Trained operators stand at the ends of the backboard, maintain control, and direct helpers on where to stand and how to grasp the backboard.
- Side helpers may need to walk sideways under some circumstances. Follow local protocols.
- Ferno recommends that helpers work in pairs to help maintain balance.

Refer to the chart for suggested placement for operators and helpers.



Key: O = Operator H = Helper

3 - ABOUT THE BACKBOARD

3.1 Description

The Ferno® Millennia™ Backboard is an emergency patient-handling device designed to provide rigid support while moving a patient with suspected spinal, hip, pelvic, or lower extremity injuries.

The backboard is for professional use by a minimum of two trained operators. Use additional help for heavy loads (patient plus equipment).

Specifications include:

- Available in 16" (406 mm) and 18" (457 mm) width
- Constructed of ABS plastic
- X-Ray translucent
- Tapered foot end
- 16 Handholds (A)
- 10 Speed-clip pin (B)
- 5 Head immobilizer attachment slot (C)

The backboard can be used for water rescue, vehicular extrication, or as a stretcher. The backboard can be used in combination with most basket stretchers.

3.2 General Specifications

Specifications are shown in the tables at right. General specifications are rounded. Metric conversions are calculated before rounding the Imperial measurement.

Ferno reserves the right to change specifications without notice. For more information, contact Ferno Customer Relations or your Ferno distributor (page 2).

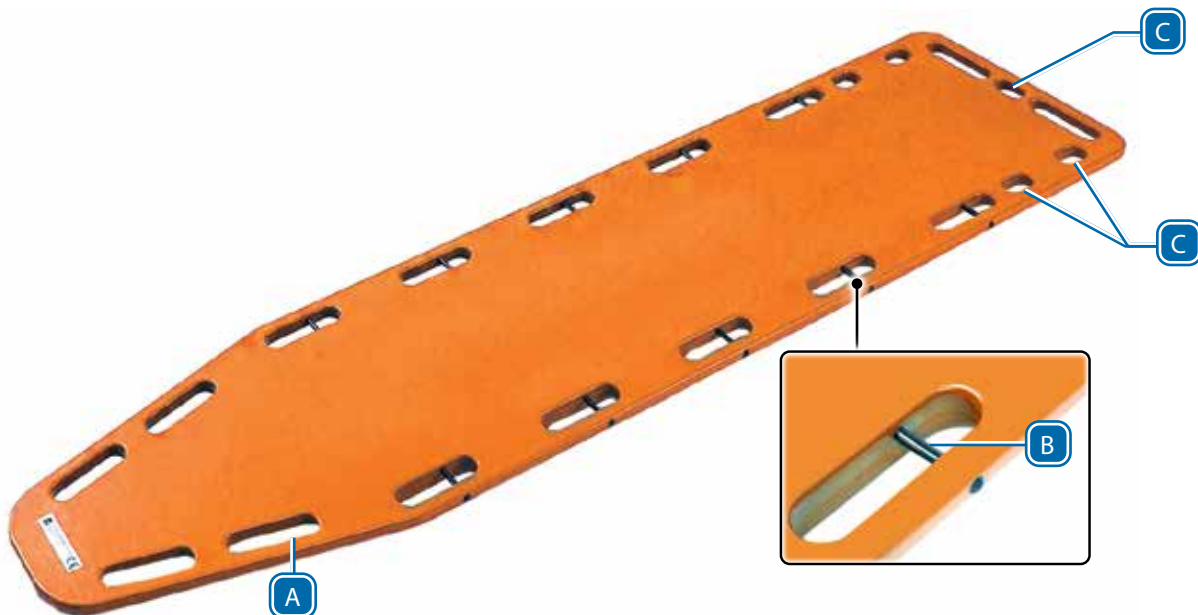
⚠ WARNING
Improper use can cause injury. Use the backboard only for the purpose described in this manual.

Specifications	Imperial	Metric
Load Capacity	350 lb	159 kg
Load Capacity (UK)		25 st
Construction	ABS Plastic	

Dimensions	Imperial	Metric
Millennia 16" (406 mm)		
Length	72 in	1829 mm
Width	16 in	406 mm
Depth	1.75 in	44 mm
Weight	13 lb	5.9 kg
Millennia 18" (457 mm)		
Length	72 in	1829 mm
Width	18 in	457 mm
Depth	1.75 in	44 mm
Weight	14 lb	6.4 kg

Load Capacity
 350 lb
 159 kg
 25 st

Inspect the backboard if the load capacity has been exceeded. See "Inspecting the Backboard" on page 9.



4 - USING THE BACKBOARD

4.1 Before Placing in Service

- Before use, personnel working with the backboard must read and understand this manual. Appropriate skills and training are also required. See “Operator Focus” on page 5.
- Inspect the backboard and confirm it is in good condition. See “Inspecting the Backboard” on page 9.
- Set up the backboard with restraints, following the instructions in the restraint users’ manual.

4.2 General Guidelines for Use

Medical advice is beyond the parameters of this manual. It is the operators’ responsibility to ensure safe practices for the patient and themselves.

A minimum of two trained operators is required. Operators must:

- Follow standard emergency patient-handling procedures when using the backboard.
- Communicate with one another and use coordinated movements when using the backboard.
- Work together and maintain control of the backboard at all times.
- Stay with the patient at all times.
- Always use patient restraints.
- Use additional trained helpers as needed. See “Using Additional Help” on page 5.
- The backboard has slots for handholds, patient restraints, and head-immobilizer straps. Select, use, and apply restraints as determined by your local service’s protocols and government requirements.
- If restraints with speed clips are used, confirm the restraint speed clips attach securely attached to the pins.
- Do not use the speed-clip pins or handholds as part of a technical rescue lifting system. Lift and carry the backboard only by hand, grasping the handholds. Place the backboard inside a basket for technical rescue.

WARNING

An unattended patient can be injured. Stay with the patient at all times.

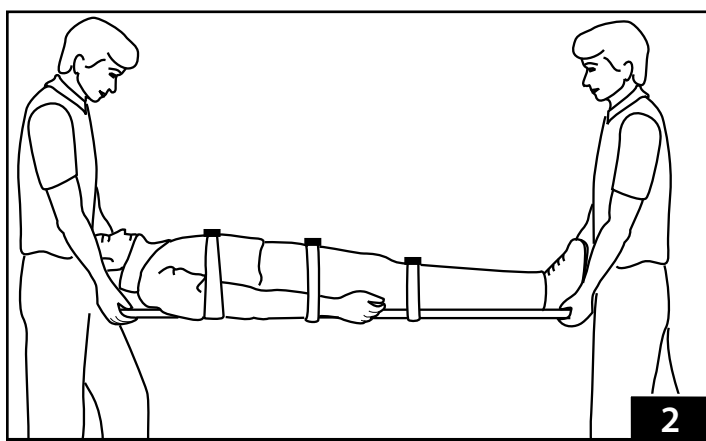
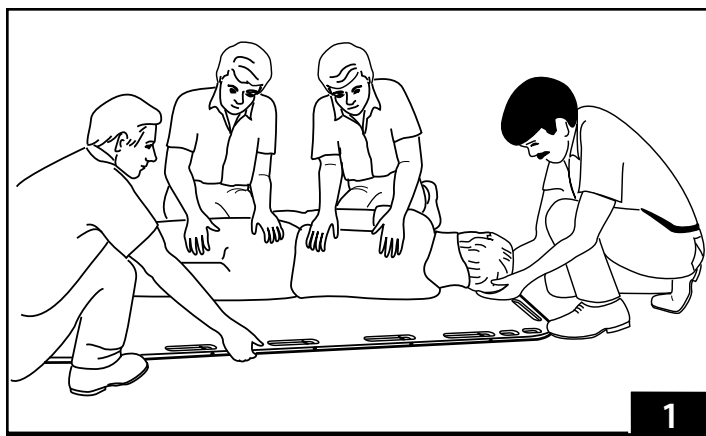
An unrestrained patient can be injured. Use patient restraints to secure the patient on the backboard.

NOTICE

Do not attach lifting devices such as ropes or bridles to the backboard handholds or pins. Always lift and carry the backboard by hand, grasping the handholds. In a technical-rescue situation, secure the backboard in a transport basket and attach lifting devices to the basket.

4.3 Using the Backboard

1. Follow local your local protocols and emergency patient-handling stabilization guidelines and procedures to move the patient onto the backboard (Figure 1).
2. Secure the patient on the backboard with restraints. Restraints are available separately. See "Accessories" on page 10.
3. Confirm that restraints are properly configured and buckles are securely fastened.
4. If using restraints with speed clips, attach the clips securely to the pins.
5. Operators work together to lift and carry the backboard with patient (Figure 2). Use additional trained helpers as needed to safely lift and carry the backboard and patient. See "Using Additional Help" on page 5.
6. If you place the patient and backboard on a cot for transport, secure the patient and backboard to the cot using the cot restraints.
7. If the load capacity is exceeded, inspect the backboard for damage. See "Inspecting the Backboard" on page 9.



5 - MAINTENANCE

5.1 Maintenance Schedule

The backboard requires regular maintenance. Set up and follow a maintenance schedule. The table at right represents minimum intervals for maintenance. Keep maintenance records. For a sample record sheet, see "Maintenance Record" on page 11. When using maintenance products, follow the manufacturers' directions and read the manufacturers' material safety data sheets.

5.2 Service Life

Many factors affect a product's service life, including frequency of use (high-volume versus low-volume ambulance service); local environment (extreme temperature, high humidity, etc.); maintenance (adherence to the inspection and maintenance schedule); and other factors.

Follow the disinfecting, cleaning, and inspection procedures in this manual to ensure long life for the backboard.

5.3 Disinfecting and Cleaning Restraints

Remove the restraints from the backboard before cleaning and disinfecting. Follow the instructions in the restraint users' manual. Attach only clean, dry restraints to the backboard.

5.4 Disinfecting the Backboard

Wipe all surfaces with disinfectant. Follow the disinfectant manufacturer's instructions for application method and contact time. Ferno recommends you inspect the backboard for damage as you disinfect.

5.5 Cleaning the Backboard

1. Remove the patient restraints and any accessories.
2. Hand clean all surfaces of the backboard with warm water and a mild detergent.
3. Rinse with warm, clear water. Dry the backboard with a towel or allow it to air-dry.

5.6 Inspecting the Backboard

Have your service's equipment maintenance personnel inspect the backboard regularly. Follow the checklist below.

- Is the backboard free of cracks, crevices, and punctures?
- Are all speed clip pins (B) solidly installed and free of cracks or damage?
- Are patient restraints properly installed?
- Is patient-restraint webbing in good condition with no cuts or frayed edges?
- Are patient-restraint buckles free of visible damage and do they operate properly?

If inspection shows damage or excessive wear, remove the backboard from service and destroy to prevent accidental use.

WARNING

Improper maintenance can cause injury. Maintain the backboard only as described in this manual.

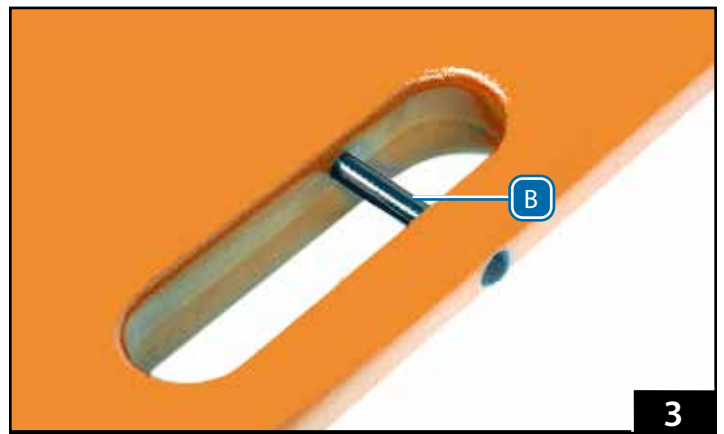
Minimum Maintenance	Each Use or Daily	As Needed	Monthly
Daily Operator Duty (page 5)	•		
Disinfecting (this page)	•		
Cleaning (this page)		•	
Inspecting (this page)		•	

NOTICE

Disinfectants and cleaners containing phenolics or iodines can cause damage. Do not use products containing these chemicals. If bleach is used, rinse with plenty of clear water to remove bleach residue.

Using abrasive cleaning compounds or applicators on the backboard can cause damage. Do not use abrasive materials to clean the backboard.

Restraint metal buckles, slide bars, and clips can be damaged by immersion in liquids or by washing-machine action. Disinfect and clean only as described in the restraint users' manual packaged with the restraints.



6 - ACCESSORIES

Ferno offers accessories approved for use with the backboard. Follow all instructions in accessory users' manuals. Keep the instructions with this manual. Contact Ferno Customer Relations (page 2) or your Ferno distributor for product information.

 **WARNING**

Attaching improper items to the backboard can cause injury. Use only Ferno-approved items on the backboard.

Modifying the backboard can cause injury and damage. Use the backboard only as designed by Ferno.

Accessories		
Model 445 Head Immobilizer	031-3855	
Model 455 HeadHugger Disposable Head Immobilizer (10)	083-2092	
Model 49 WizLoc Cervical Collar (3)	082-2074	
Model 770 Fastrap	031-3916	
441 Traction Splints (Adult and Pediatric)	082-2183	
677 MedKids™ Pediatric Sleeve	031-3923	
Model 430 (Metal Buckle) Restraint		
Style	Black	Orange
2 pc., 5' (1524 mm)	031-3892	031-3891
2 pc., 7' (2134 mm)	031-3911	031-3912
2 pc., 9' (2743 mm)	031-3305	031-4013
1 pc., 7' (2134 mm)	031-3910	031-3887
1 pc., 9' (2743 mm)	---	031-3889
Model 430P (Plastic Buckle) Restraint		
Style	Black	Orange
2 pc., 5' (1524 mm)	031-3797	031-3917
2 pc., 7' (2134 mm)	031-3801	031-3919
1 pc., 7' (2134 mm)	031-3894	031-4011
Model 439 (Metal Buckle) Restraints, Set of Three		
Style	Black	Orange
1 pc., 7' (2134 mm)	031-3083	031-2660

TRAINING RECORD

Date	Printed Name	Signature	Training Method			Trainer Initials
			Read Manual	Video/ Online	Hands-On	

MAINTENANCE RECORD

Date	Maintenance Performed	By

Aviation

Military

Mortuary

EMS

Rescue
