



Models 11, 12

Emergency Stretchers



Read this Manual and Retain
for Future Reference



FERNO®

Instructions for Use

May 2024
Pub. No. 234-0033-04

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.

Telephone	Country Code +1.937.382.1451
Fax	Country Code +1.937.382.6569
Internet	www.ferno.com



USERS' MANUALS

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

Serial Number



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

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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.



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1 - SAFETY INFORMATION

1.1 Warning

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

 **WARNING**

Untrained operators can cause injury or be injured. Permit only trained personnel to operate the stretcher.

Improper use of the stretcher can cause injury. Use the stretcher only for the purpose described in this manual.

Improper operation can cause injury. Operate the stretcher only as 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 stretcher.

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

Improper parts and service can cause injury. Use only Ferno parts and Ferno-approved service on the stretcher.

Modifying the stretcher can cause injury and damage. Use the stretcher 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 stretcher, follow the disinfecting and cleaning instructions in this manual.

1.4 Symbol Glossary

The symbols defined below are used on the stretcher 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.



Read the Users' Manual



General Warning of Potential Injury



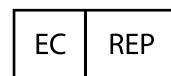
Load Capacity
(Safe Working Load in pounds, kilograms, stone)



Product meets European Union Standards



Manufacturer



Authorized Representative in the European Community

2 - OPERATOR FOCUS

2.1 Operator Training

Operator using the stretcher:

- must read and understand this manual.
- must have training on proper use of the stretcher.
- 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 stretcher 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. Permit only trained personnel to operate the stretcher.

3 - ABOUT THE STRETCHER

3.1 Stretcher Description

The Model 11 and 12 Emergency Stretcher (stretcher) is a patient handling device designed to transport a patient by operators who lift and carry the stretcher.

The stretcher is for professional use by a minimum of two trained operators.

The stretcher features include patient restraints and hinges. The Model 11 includes folding legs and wheels.

3.2 General Specifications

Specifications for the stretcher 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 of the stretcher can cause injury. Use the stretcher only for the purpose described in this manual.

Specifications	Model 11	Model 12
Load Capacity	350 lb (159 kg/25 st)	350 lb (159 kg/25 st)
Weight	13 lb (6 kg)	8 lb (4 kg)

Dimensions	Model 11	Model 12
Length		
Unfolded	74 in (1873 mm)	74 in (1873 mm)
Folded	37 in (940 mm)	37 in (940 mm)
Height		
Unfolded	8 in (203 mm)	1 in (30 mm)
Folded	3 in (83 mm)	2 in (60 mm)
Width	20 in (495 mm)	20 in (495 mm)

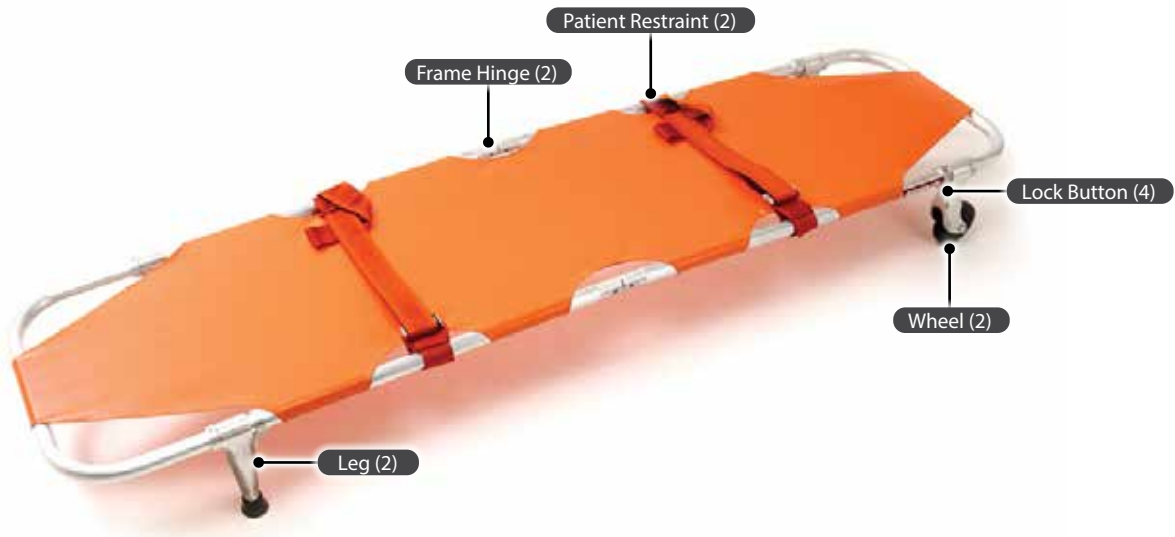


Load Capacity

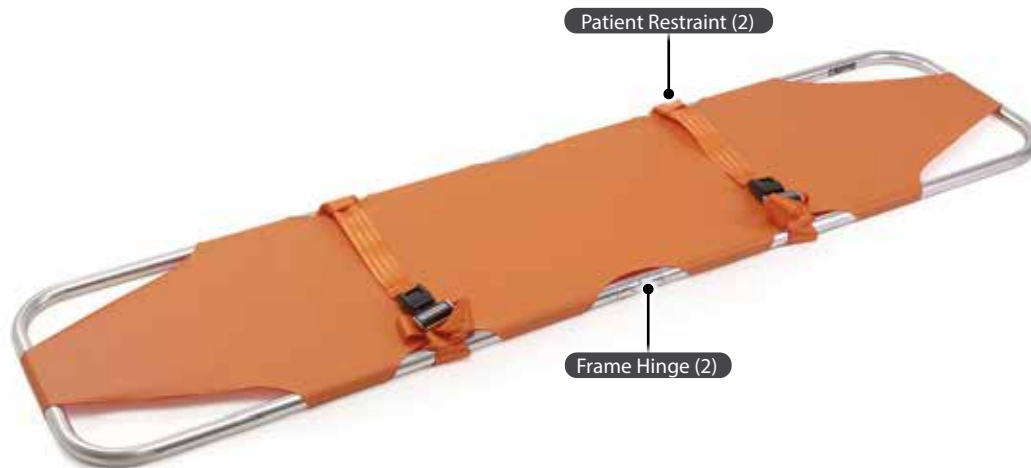
Inspect the stretcher if the load capacity has been exceeded. See "Inspecting the Stretcher" on page 9.

3.3 Components

Model 11



Model 12

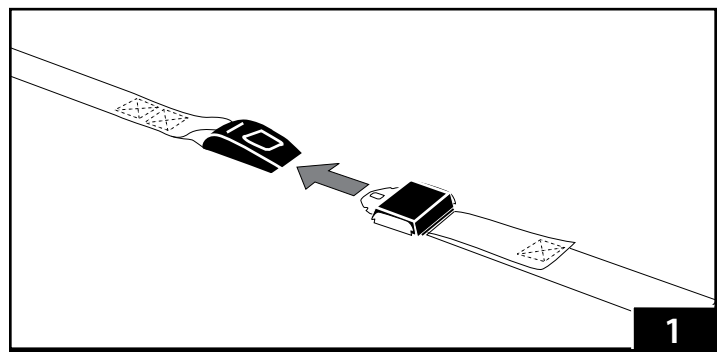


3.4 Patient Restraints

Keep both restraints fastened around the patient whenever the patient is on the stretcher.

To fasten a restraint, insert the tang into the receiver (Figure 1). To release, press the button in the receiver. Adjust the restraint by pulling the ends of the straps.

For more restraint information, see the restraint manual (supplied).



4 - USING THE STRETCHER

4.1 Before Placing the Stretcher in Service

- Before use, personnel who will work with the stretcher must read and understand this manual. Appropriate skills and training are also required. See "Operator Focus" on page 5.
- Confirm that the stretcher operates properly. See "Inspecting the Stretcher" on page 9.

4.2 General Guidelines for Use

- Medical advice is beyond the parameters of this manual.
- It is the users' responsibility to ensure safe practices for the patient and themselves.
- A **minimum** of two trained operators is required.
- Follow standard emergency patient-handling procedures when operating the stretcher.
- **Operators work together and maintain control of the stretcher at all times.**
- Operators **must** communicate with one another and use coordinated movements to operate the stretcher.
- Operators **must** stay with the patient at all times.
- **Always** use patient restraints to secure the patient on the stretcher.
- Lift only the weight you can safely handle. Use additional help when working with heavy loads (patient and equipment).



WARNING

Improper operation can cause injury. Operate the stretcher only as described in this manual.

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

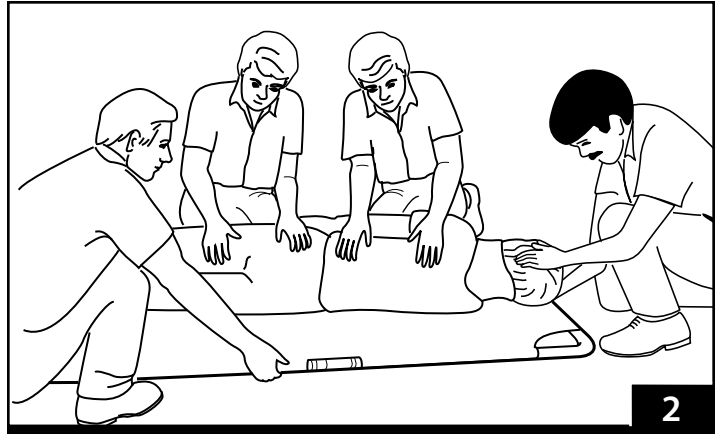
An unrestrained patient can be injured. Use patient restraints to secure the patient on the stretcher.

4.3 Using the Stretcher

Before placing a patient on the stretcher, stabilize the patient and apply any appropriate cervical or extrication collars for head and neck support. Follow local protocols and approved emergency medical procedures.

PLACING THE PATIENT ON THE STRETCHER

1. Unfold and prepare the stretcher for use.
2. Place the stretcher beside the patient.
3. Unbuckle the restraints on the stretcher and transfer the patient onto the stretcher. Follow your local protocols for moving a patient (Figure 2).
4. Secure the patient on the stretcher using the restraints before moving the stretcher.



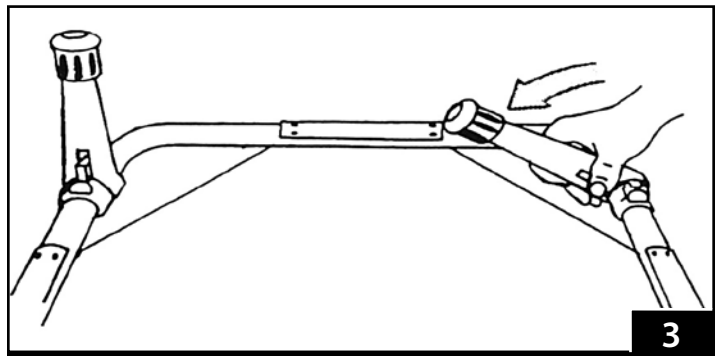
CARRYING THE PATIENT AND STRETCHER

Lift by grasping the stretcher frame at corners. Position one attendant at each end to carry the patient and stretcher. Use additional help as needed to lift and carry the stretcher.

4.4 Folding the Stretcher

The Model 11 Stretcher has legs and/or wheels that can be folded by pressing the lock button in, then folding the leg/wheel inward until the lock button engages, locking the leg or wheel into the folded position (Figure 3).

Models 11 and 12 stretchers have a folding frame that allows the stretcher to fold in half. Grasp frame and fold the stretcher as shown in Figure 4.



5 - MAINTENANCE

5.1 Maintenance Schedule

The stretcher 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 Disinfecting and Cleaning the Patient Restraints

Remove the patient restraints from the stretcher. Disinfect and clean only as directed in the users' manuals provided with the patient restraints. Additional, free users' manuals can be obtained from Ferno. See "Ferno Customer Relations" on page 2.

5.3 Disinfecting the Stretcher

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

5.4 Cleaning the Stretcher

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

5.5 Inspecting the Stretcher

Have your service's equipment maintenance personnel inspect the stretcher regularly. Follow the checklist at right and operate the stretcher through all its functions as described in this manual.

If inspection shows damage or excessive wear, remove the stretcher from service until repair is made. See "Parts and Service" on page 10.



WARNING

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

Minimum Maintenance	Each Use	As Needed	Monthly
Disinfecting (this page)	•		
Cleaning (this page)		•	
Inspecting (this page)		•	

NOTICE

Disinfectants and cleaners containing bleach, phenolics, or iodines can cause damage. Do not use products containing these chemicals.

Inspection Checklist

- Are all components present?
- Is the stretcher free of excessive wear?
- Is the stretcher cover free of excessive wear or tears?
- Are all screws, nuts, bolts, rivets, and roll pins securely in place?
- Do the legs and wheels fold and lock properly (Model 11 only)?
- Are the 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?
- Do installed accessories operate properly without interfering with stretcher operation?

6 - PARTS AND SERVICE

6.1 U.S.A. and Canada

In the United States and Canada, to order parts or for professional repair, contact EMSAR® – the only agent authorized by Ferno to manage, service, and repair Ferno products.

Telephone (Toll-Free)	1.800.73.EMSAR
Telephone	1.937.383.1052
Fax	+1.937.383.1051
Internet	www.EMSAR.com



WARNING

Improper parts and service can cause injury. Use only Ferno parts and Ferno-approved service on the stretcher.

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

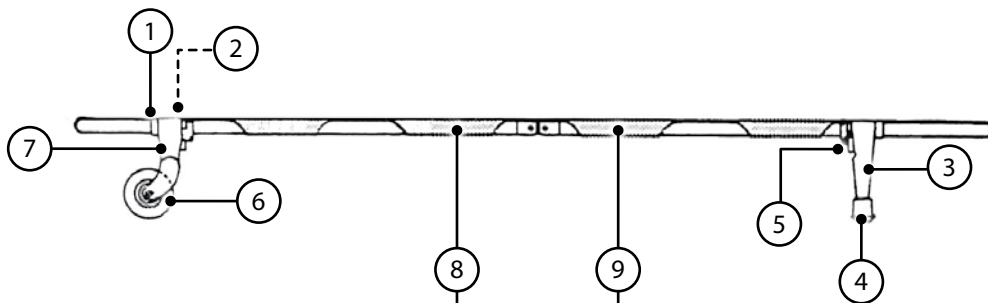
6.2 Worldwide

To order Ferno parts, and for professional repair, contact your Ferno distributor. Your distributor is the only agent authorized by Ferno to manage, service, and repair Ferno products.

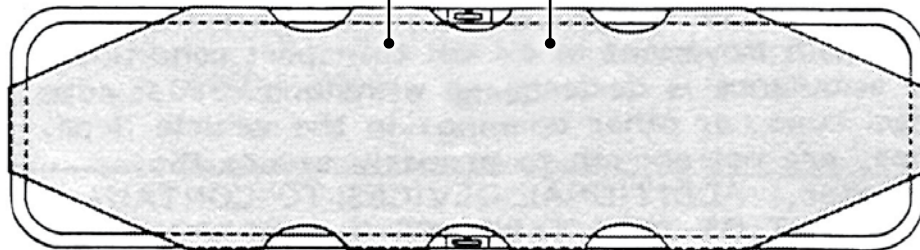
6.3 Parts List

No.	Part	Description	Qty
1	090-2934	Stop Rings w/ Mounting Hardware	1
2	090-2957	Right Wheel Fork	1
3	090-2932	Post with Post Tip	1
4	090-0565	Post Tip	2
5	090-2935	Trigger w/ Spring	1
6	090-0520	Wheel	1
7	090-2958	Left Wheel Fork	1
8	039-0011	Maroon Cover	1
9	039-0010	Orange Cover	1

Model 11



Model 12



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
