



Pedi Mate[®]

Model 678



Read this Manual and Retain
for Future Reference 

FERNO[®]

Users' Manual

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Ferno Customer Relations

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ALL OTHER LOCATIONS

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USERS' MANUALS

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

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.

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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 Pedi Mate.
Improper use of the Pedi Mate can cause injury. Use the Pedi Mate only for the purpose described in this manual.
Improper application can cause injury. Apply the Pedi Mate only as described in this manual.
An unattended patient can be injured. Stay with the patient at all times.
Secure and snug all straps. Unsecured or loose straps may allow movement and result in injury or death of the patient.
Improper maintenance can cause injury. Maintain the Pedi Mate only as described in this manual.

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 Tip

Tips provide recommendations for easier use of the product.



1.4 Bloodborne Disease Notice

To reduce the risk of exposure to bloodborne diseases such as HIV-1 and hepatitis when using the Pedi Mate, follow the disinfecting and cleaning instructions in this manual.

1.5 Safety and Instruction Labels

Safety and instruction labels place important information from the Users' Manual on the Pedi Mate.

Read and follow label instructions. Illustrations showing how to attach the Pedi Mate to the cot are printed directly on the Pedi Mate base. For complete instructions, see "Using the Pedi Mate," on page 8-12.

1.6 Symbol Glossary

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



General Warning of Potential Injury



Read the Users' Manual



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



Operation Requires One Trained Operator

2 - OPERATOR FOCUS

2.1 Operator Training

Operator using the Pedi Mate®:

- must read and understand this manual.
- must have training on proper use of the Pedi Mate.
- 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 Pedi Mate before using it with a patient.
- must keep training records. For a sample training record sheet, see page 14.



WARNING

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

3 - ABOUT THE PEDI MATE

3.1 Description

The Pedi Mate® is designed to secure infants and toddlers from 10 to 40 lbs (4.5 to 18.1 kg) on a Ferno cot.

USE

The Pedi Mate is designed for use only in an emergency setting and only by suitably trained personnel. Where child restraint is needed outside of this setting, the transport vehicle should be fitted with restraints in accordance with applicable local standards and regulations, including but not limited to, the United States Federal Motor Vehicle Safety Standards and Regulations.

The Pedi Mate is for professional use by one or more trained operators.

The Pedi Mate is not designed as an immobilization device and should not be used to immobilize the patient, or as part of an immobilization system.

FEATURES

The Pedi Mate blanket is soft, lightweight vinyl. One-piece webbing straps with quick-release buckles attach it to Ferno cot frames at three points.

The five-point patient harness consists of two continuous-loop shoulder/torso straps and a crotch strap. All secure in a central, fast-release buckle and all are fully adjustable.

COMPATIBLE COTS

The Pedi Mate is designed for use with the following Ferno cot models:

26 Series	Mondial® Monobloc
28-Z PROFlexx®	Mondial® RS2 Stretcher
29-M	Mondial® RS3 Stretcher
30-SC	Mondial® RS4 Stretcher
35-A Series	EFX 1 Stretcher Chair
35-A+Series	EFX 2 Stretcher
35-P PROFlexx® Series	EFX 3 Stretcher
35-X PROFlexx® Series	EFX Monobloc
93-ES Series	4140 Series Stretchers
93-EX Series	Falcon Series
93-P PROFlexx® Series	Pegasus Series
93-H PROFlexx® Series	CCT Series
POWERFlexx® Series	Harrier Series
iN X™ Integrated Patient Transport & Loading System	Megasus Series
POWER X1™	POWERX
PRO 28Z™	

Note: The Pedi Mate is not compatible with Models 28 or 2033 chair cots.



WARNING

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



Load Capacity

Inspect the Pedi Mate if the load capacity has been exceeded. See "Inspecting the Pedi Mate", on page 13.

3.2 General Specifications

Most general specifications are rounded to the nearest whole number. Metric conversions are calculated before rounding the Imperial measurements.

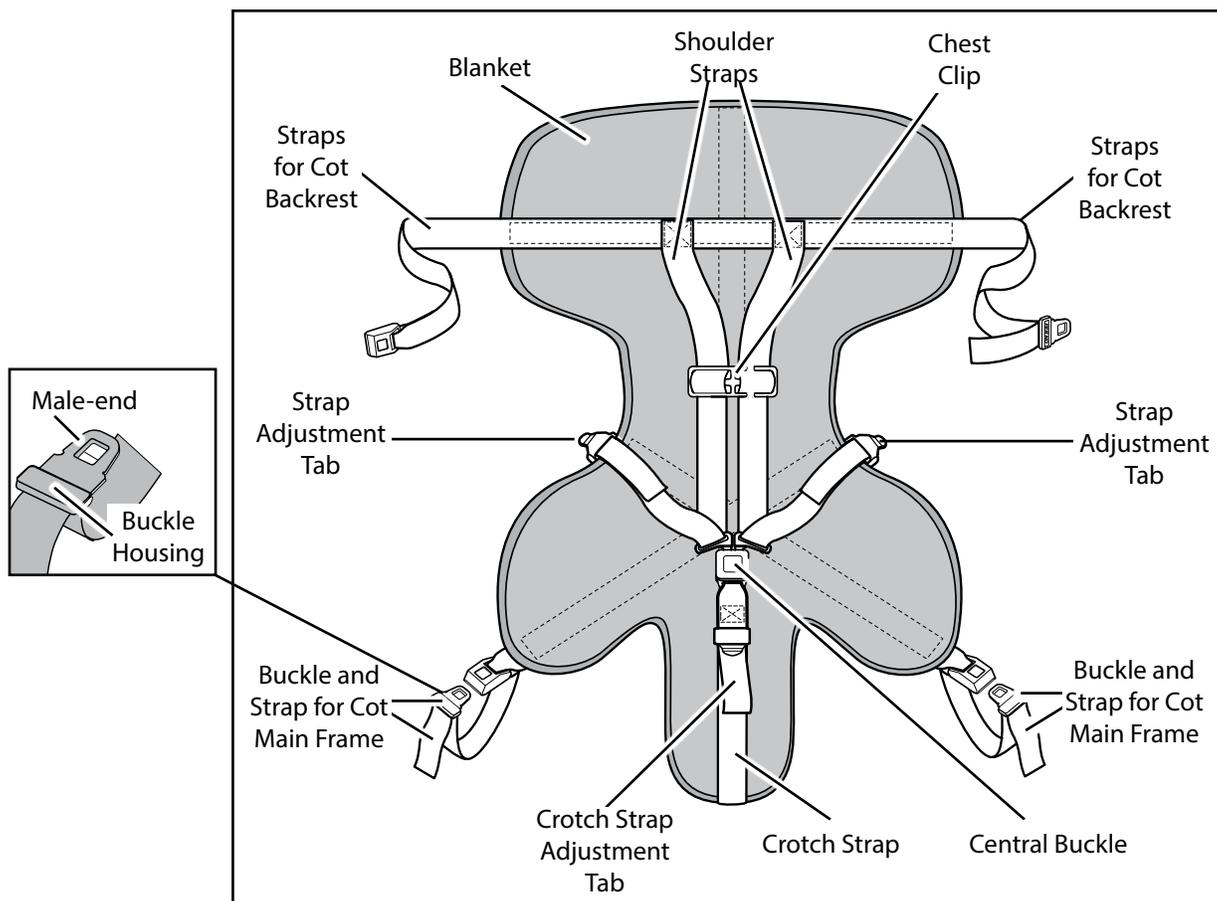
For more information about the Pedi Mate contact Ferno Customer Relations (page 2) or your Ferno distributor.

Ferno reserves the right to change specifications without notice.

Dimensions	Imperial	Metric
Open, Flat		
Width	19 in	483 mm
Length	31-1/4 in	794 mm
Rolled		
Diameter	4-1/2 in	114 mm
Length	19 in	483 mm

Specifications	Imperial	Metric
Load Capacity	10 - 40 lb	4.5 - 18.1 kg
Load Capacity (UK)		.71 - 2.86 st
Weight	2.4 lb	1.09 kg
Webbing Rating	3500 lb	1.6 mt

3.3 Components



Not Shown

Hook-and-loop storage straps on reverse surface of Pedi Mate are not visible in this view.

4 - USING THE PEDI MATE

4.1 Before Placing the Pedi Mate in Service

- Personnel who will work with the Pedi Mate need to read this manual and practice using the Pedi Mate.
- Confirm that the Pedi Mate operates properly. Follow instructions in "Inspecting the Pedi Mate," on page 13.

4.2 General Guidelines for Use

- Medical advice is beyond the parameters of this manual.
- It is the Pedi Mate users' responsibility to ensure safe practices for the patient and themselves.
- It is the responsibility of the qualified Emergency Medical Service personnel to assess the patient's condition and determine the proper equipment and procedures to use.
- Follow standard emergency patient-handling procedures when using the Pedi Mate.
- Stay with the patient at all times.
- Always use the patient harness.
- Use the Pedi Mate only when all elements are in good working order.
- Use the Pedi Mate only with the approved cot models listed on page 6.
- Never use the Pedi Mate in a captain's chair or front seat of an ambulance.
- Never use the Pedi Mate as an immobilization device or as part of an immobilization system.
- If the Pedi Mate is in use at the time of a vehicular accident, remove the Pedi Mate from service and replace it.

WARNING

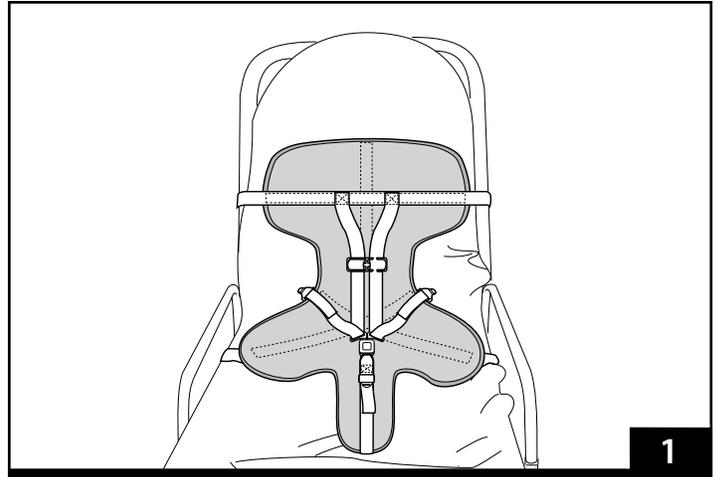
Improper application can cause injury. Apply the Pedi Mate only as described in this manual.

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

Secure and snug all straps. Unsecured or loose straps may allow movement and result in injury or death of the patient.

4.3 Positioning the Pedi Mate

1. Remove any restraints attached to the cot.
2. Raise the cot backrest and lock in place at an angle between 15 and 45 degrees. This will keep the patient's shoulders higher than the pelvis and maintain the proper center of gravity.
3. Unroll the Pedi Mate and spread it flat on the cot mattress with all straps extended.
4. Center the blanket left to right on the mattress.
5. Position the blanket with the black backrest strap at the point where you expect the patient's shoulders to rest (Figure 1).
6. Run the ends of the backrest strap around the cot backrest until they meet in the back, then fasten the buckle (Figure 2). Leave some slack in the strap for final adjustment.



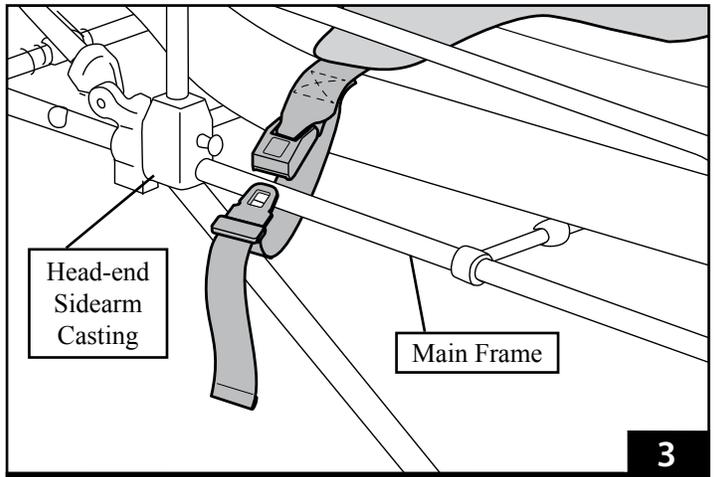
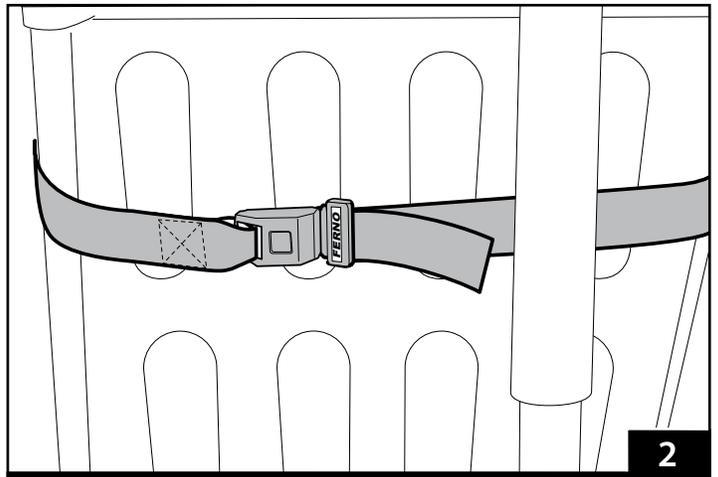
4.4 Securing the Pedi Mate

NOTICE

If you are installing the Pedi Mate on an iNjX, do not use this section. Use section 4.5, "Securing the Pedi Mate on an iNjX," on page 10.

1. Place the patient on the Pedi Mate. If the black backrest strap is not at the patient's shoulder level, adjust the blanket position.
2. With the blanket properly positioned, tighten the backrest strap by pulling very firmly on the free end of the strap until the mattress is compressed.
3. Fasten a main frame strap by threading the tang end downward between the cot main frame and the mattress next to the head-end sidearm casting.
4. Wrap the strap around the cot main frame and fasten the buckle (Figure 3). Leave a little slack in the strap for final adjustment.
5. Repeat with the other main-frame strap.
6. Tighten each main frame strap by holding onto the buckle with one hand and pulling firmly on the free end of the strap.

Note: To loosen a main-frame strap, unfasten it, then grasp the tang, and pull outward. Refasten the buckle.



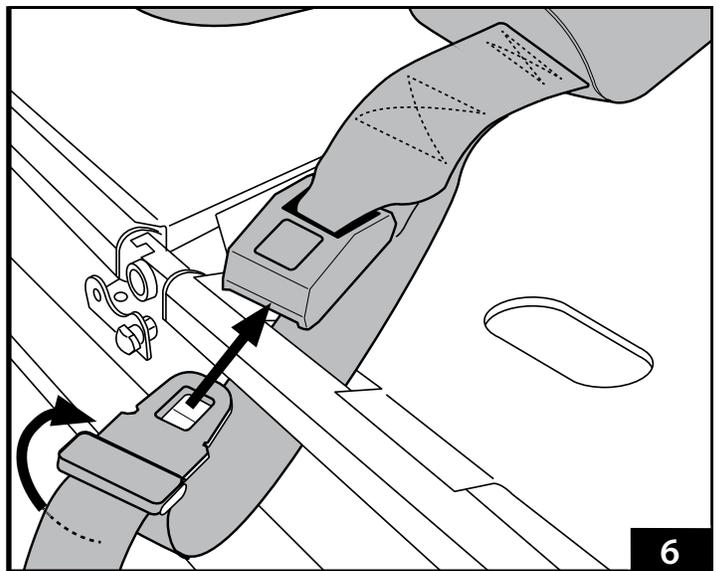
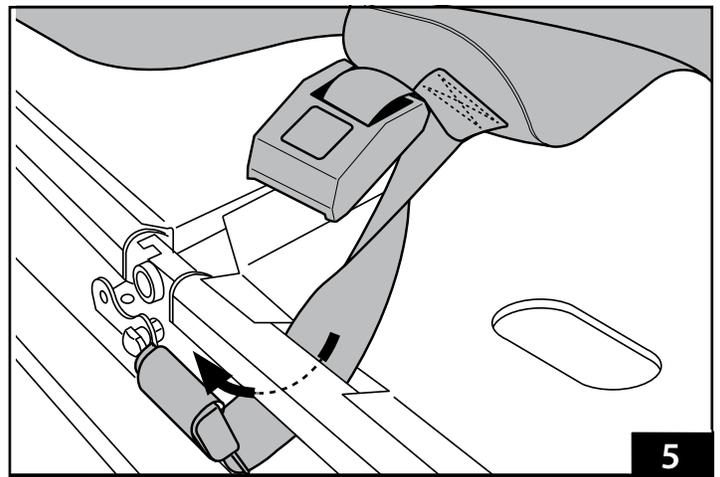
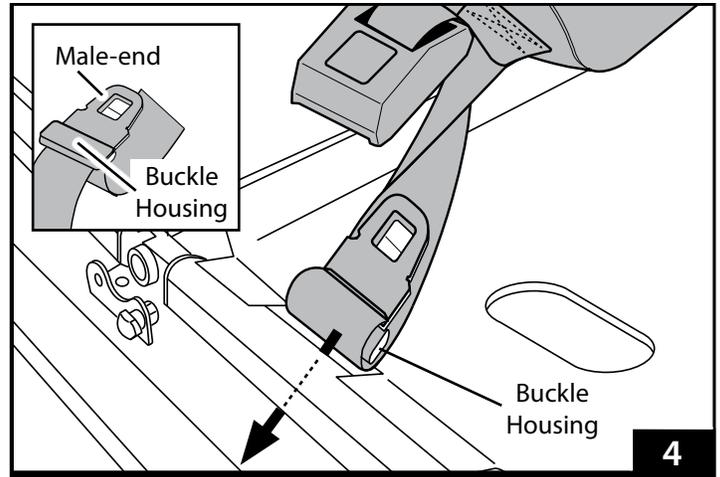
4.5 Securing the Pedi Mate on an iNjX

NOTICE

If you are not installing the Pedi Mate on an iNjX, do not use this section. Use section 4.4, "Securing the Pedi Mate " on page 9.

1. Place the patient on the Pedi Mate. If the black backrest strap is not at the patient's shoulder level, adjust the blanket position.
2. With the blanket properly positioned, tighten the backrest strap by pulling very firmly on the free end of the strap until the mattress is compressed.
3. Orient the tang male-end upward and with the buckle housing facing the center of the iNjX (Figure 4). Then thread it through the slot of the patient surface near the head-end of the the iNjX.
4. Wrap the strap around the slot (Figure 5) and fasten the buckle (Figure 6). Leave a little slack in the strap for final adjustment.
5. Repeat with the other main-frame strap.
6. Tighten each main frame strap by holding onto the buckle with one hand and pulling firmly on the free end of the strap.

Note: To loosen a main-frame strap, unfasten it, then grasp the tang, and pull outward. Refasten the buckle.



4.6 Securing the Patient

WARNING

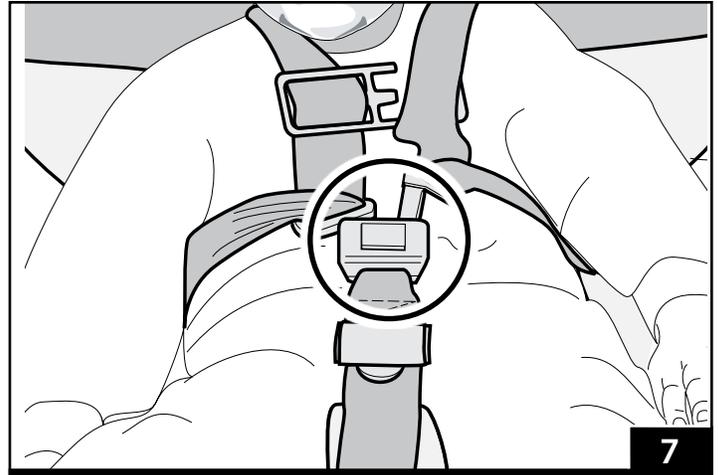
Secure and snug all straps. Unsecured or loose straps may allow movement and result in injury or death of the patient.

1. Pull the crotch strap buckle up between the patient's legs and lay the strap on the patient's abdomen.
2. Lift a shoulder strap over one shoulder of the patient. Place patient's arm through the strap, then lock the buckle half into the central buckle (Figure 7).
3. Repeat with the other shoulder strap.
4. Thread the shoulder strap on the patient's left side through the chest clip (Figure 8) and slide the chest clip to armpit level.

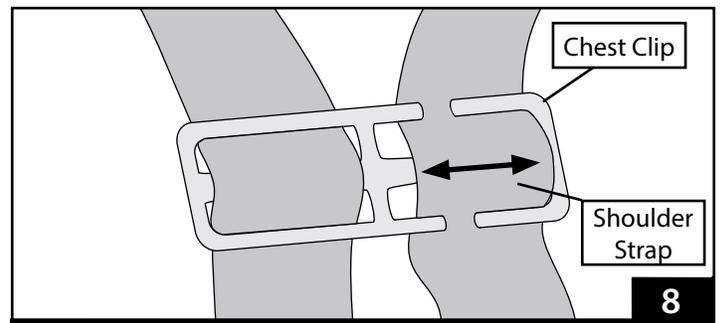
TIGHTENING THE HARNESS STRAPS

To tighten the shoulder/torso straps, refer to Figure 9 and use the following procedure:

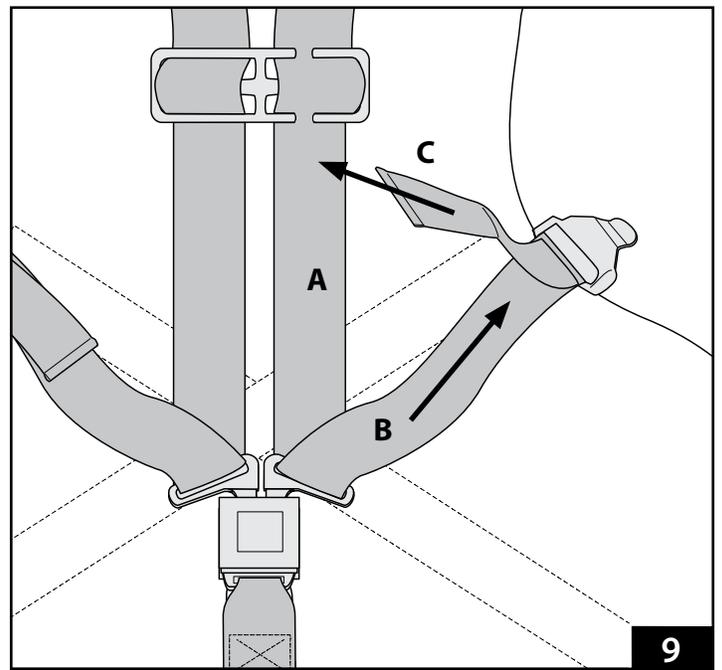
1. Snug the shoulder strap (A) against the shoulder and chest by pulling section B of the strap with one hand while steadying the central buckle with the other hand.
2. Repeat with the other shoulder strap.
3. Snug the torso strap (B) by pulling on section C with one hand while steadying the central buckle with the other hand.
4. Repeat with the other torso strap.
5. Snug the crotch strap by pulling on the free end.



7



8

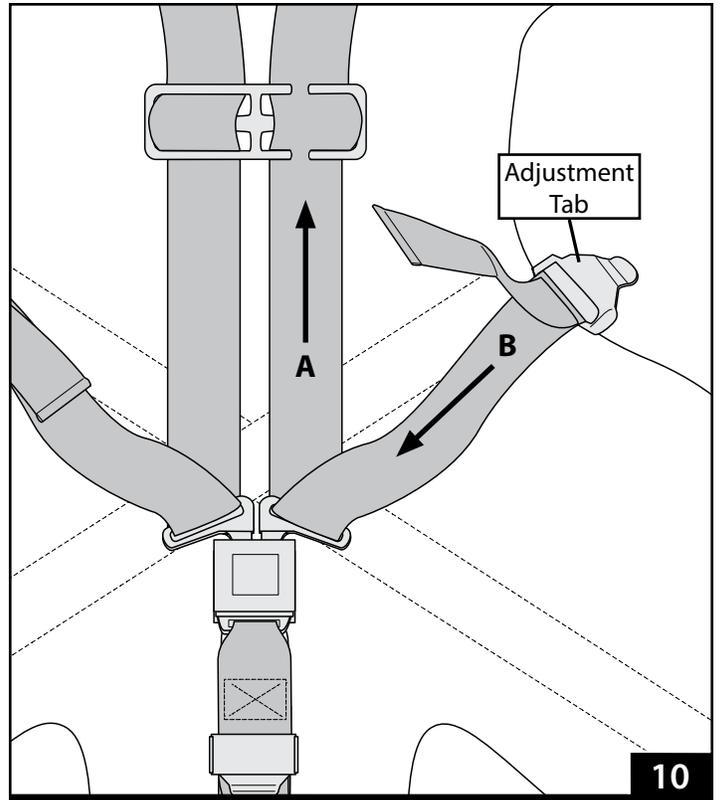


9

LOOSENING THE HARNESS STRAPS

To loosen the straps, refer to Figures 10 and 11 and use the following procedure:

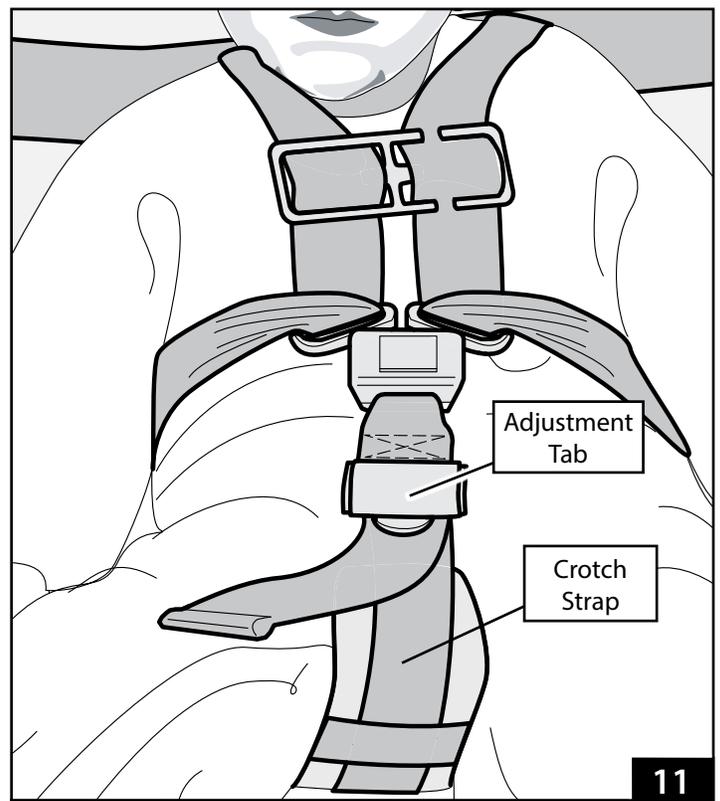
1. Grasp the adjustment tab (Figure 10) with one hand and pull the torso strap (B) back through the tab with your other hand.
2. Steady the central buckle with one hand and loosen the shoulder strap (A) by pulling it upward with the other hand.
3. Repeat with the other shoulder/torso strap.
4. Loosen the crotch strap by grasping the adjustment tab with one hand and pulling downward on the portion of the strap that rests against the body (Figure 11).



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4.7 Releasing the Patient from the Pedi Mate Harness

1. Loosen the crotch strap.
2. Slide the chest clip down toward the central buckle and unthread the shoulder strap on the patient's left side from the clip.
3. Press the red release button in the central buckle and pull the buckle slightly downward to release the shoulder straps from the buckle.
4. Loosen the shoulder straps and slide them away from the patient's body.
5. Lift the patient from the Pedi Mate according to local protocols.



11

4.8 Storing the Pedi Mate

1. Detach the Pedi Mate from the cot and spread it flat on the cot mattress.
2. Attach the shoulder straps to the central buckle and adjust all straps to lay smoothly against the blanket.
3. Fold the backrest straps across the blanket.
4. Fold the crotch panel up toward the center of the blanket.
5. Fold the cot main-frame straps and the lower blanket panels across the center of the Pedi Mate.
6. Beginning at the crotch panel, roll the Pedi Mate upward. Secure the roll with the hook-and-loop straps.

5 - MAINTENANCE

5.1 Maintenance Schedule

The Pedi Mate requires regular maintenance. Set up and follow a maintenance schedule (see maintenance record sheet on page 15). The table at right represents minimum intervals for maintenance.

When using maintenance products, follow the manufacturers' directions and read the manufacturers' material safety data sheets.

5.2 Disinfecting the Pedi Mate

Wipe or spray disinfectant on all Pedi Mate and surfaces and straps. Follow the disinfectant manufacturer's directions for application and contact time.

5.3 Cleaning the Pedi Mate

Hand wash the Pedi Mate blanket and straps with warm, soapy water and a clean cloth or soft brush. Rinse with clear water. Dry the blanket with a towel and allow the straps to air dry.

Do not immerse the buckles in water.

5.4 Inspecting the Pedi Mate

Have your service's equipment maintenance personnel inspect the Pedi Mate regularly. Follow the inspection checklist below.

If the inspection shows damage or excessive wear, remove the Pedi Mate from service. Ferno recommends that in addition to scheduled maintenance, operators perform a visual inspection each time the Pedi Mate is used. If damage is noted, remove the Pedi Mate from service immediately and replace it.

INSPECTION CHECKLIST

- Are all components present?
- Is the Pedi Mate free of excessive wear?
- Is all stitching secure?
- Do the central buckle and adjustment tabs operate properly and smoothly?
- Are there cuts or tears in the blanket or straps?

WARNING

Improper maintenance can cause injury. Maintain the Pedi Mate 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 damage the Pedi Mate. Do not use products containing these chemicals.

NOTICE

If the Pedi Mate is in use at the time of a vehicular accident, remove the Pedi Mate from service and replace it.

U.S.A. NOTICE

The cot is for use with ambulances that meet the requirements of the "Star of Life" certification via Federal Ambulance Specification KKK-A-1822. For information, contact:

Federal Supply Services, Specifications Section
Suite 8100
470 E. L'Enfant Plaza, SW
Washington, DC 204

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