Model 28 Ferno-Flex™ Roll-In Chair Cot

Read this Manual and Retain for Future Reference
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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. It is recommended that training on the proper use of this product 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.

Serial Number _________________________
Location: Backrest Mount Crosstube

**USERS’ MANUALS AND TRAINING DVD 283-1304**
To request additional free users’ manuals or training DVDs, contact Ferno Customer Relations, your Ferno distributor, or visit www.ferno.com.

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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 cot.

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

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

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

An unrestrained patient can fall off the cot and be injured. Use restraints to secure the patient on the cot.

Helpers can cause injury or be injured. Maintain control of the cot, operate the controls, and direct all helpers.

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

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

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

1.2 Important
Important notices emphasize important usage or maintenance information.

**Important**

1.3 Bloodborne Disease Notice
To reduce the risk of exposure to bloodborne diseases such as HIV-1 and hepatitis when using the cot, follow the disinfecting and cleaning instructions in this manual.

1.4 Cot and Fastener Compatibility
Combining different manufacturers’ products into a “mixed-component” cot/cot fastener system can increase the user’s risk of injury and damage.

Ferno-Washington, Inc. strongly recommends that only Ferno-manufactured cots be used in Ferno-manufactured cot fasteners, and that only Ferno-manufactured cot fasteners be used for securing Ferno-manufactured cots in ambulances.

ANY COMBINATION OF A FERNO COT OR COT FASTENER WITH A NON-FERNO COT OR COT FASTENER IS MISUSE OF THE FERNO PRODUCT. Responsibility for the outcome of known, intentional misuse rests squarely on the misuser.

1.5 Symbol Glossary
The symbols defined below are used on the cot and 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**
- **Load Limit**
- **Read the Users’ Manual**
- **Cot Operation Requires Two Trained Operators**
- **Do Not Lubricate**
- **Lubricate**
- **Unlocked**
- **Locked**

Product meets European Union Standards
### 2 - OPERATOR SKILLS AND TRAINING

**2.1 Skills**

Operators using the cot need:

- a working knowledge of emergency patient-handling procedures.
- the ability to assist the patient.

**2.2 Training**

Operator trainees need to:

- read and understand this manual.
- be trained on the use of the cot.
- practice with the cot before using it with a patient.
- record their training information. A sample training record sheet is provided on page 19.

---

**WARNING**

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

---

**2.3 Height and Strength Considerations**

When unloading the cot, the foot-end operator must lift and hold the weight of the cot, patient and equipment high enough for the wheels to remain off the ground until the undercarriage legs completely unfold and lock into place. Supporting this weight requires greater strength from short operators than from tall operators because short operators must raise their arms higher in relation to their shoulders.

Be aware that if the ambulance is parked on an uneven surface, the foot-end operator (and any helpers) may need to lift the cot higher than normal to allow the legs to unfold completely and lock.

**Note:** Use additional help as needed to lift the weight of the cot, patient and equipment (see Using Additional Help, page 15).
3 - ABOUT THE COT

3.1 Description
The Model 28 Ferno-Flex™ Roll-In Chair Cot (called the cot in this manual) is an emergency patient-handling device designed to transport a patient in a ground-based ambulance. The cot converts to a four-position chair for use in confined spaces and/or for patient comfort.

The cot is for professional use by a minimum of two trained operators. Additional help is needed when folding the cot with a patient on it. The cot is designed for roll-in loading to help reduce the risk of back injury to medical service personnel.

The cot is designed for use only with a Ferno® Model 173 Cot Fastening System (not included).

COT FEATURES
- Eight-position backrest
- Swing-down sidearms
- 5" (13 cm) swivel transport wheels at foot end
- Undercarriage safety lock
- Leg Lock
- Set of restraints
- Attachable Mattress

3.2 Ambulance Requirements
- The ambulance bumper extension must not exceed 16 in. (41 cm).
- The patient compartment must have a level floor large enough for the folded cot.
- A Ferno® Model 173 Cot Fastener is required (not included).

3.3 General Specifications

<table>
<thead>
<tr>
<th>CONFIGURED AS A CHAIR</th>
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<tbody>
<tr>
<td>Height</td>
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<tr>
<td>Maximum</td>
<td>55 in (140 cm)</td>
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<tr>
<td>Overall Width</td>
<td>23 in (58 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>45 in (114 cm)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>CONFIGURED AS A COT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
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</tr>
<tr>
<td>Bed Position Minimum (folded)</td>
<td>8 in (20 cm)</td>
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<tr>
<td>Bed Position Maximum</td>
<td>32 in (81 cm)</td>
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<td>Loading Height</td>
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<tr>
<td>Length Folded</td>
<td>78 in (198 cm)</td>
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<tr>
<td>Length Unfolded</td>
<td>75 in (191 cm)</td>
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</table>

<table>
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<th>OTHER SPECIFICATIONS</th>
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</thead>
<tbody>
<tr>
<td>Weight</td>
<td>67 lb (30 kg)</td>
</tr>
<tr>
<td>Load Limit</td>
<td>650 lb (295 kg)</td>
</tr>
<tr>
<td>SWR</td>
<td>9.7</td>
</tr>
</tbody>
</table>

General specifications are rounded to the nearest whole number. Metric conversions are calculated before rounding the Imperial measurements. For more information, contact Ferno Customer Relations (page 2) or your Ferno distributor.

Ferno reserves the right to change specifications without notice.

1Cot Height measurements are as follows: Loading Height is the distance from the ground to the bottom of the loading wheel. Bed Position is the distance from the ground to the patient surface at the center of the cot.

2Weight is without mattress, restraints.

3Strength to Weight Ratio is the load limit of the cot divided by the cot’s weight.

Load Limit
Inspect the cot if the load limit has been exceeded (See Inspecting the Cot, page 17).
3.4 Components

To request additional free users’ manuals or training DVDs, contact Ferno Customer Relations, your Ferno distributor, or visit www.ferno.com.
4 - USING THE FEATURES

4.1 Backrest
The eight-position backrest allows the operator to elevate the patient’s torso for patient comfort or medical necessity.

1. Unfasten or loosen the torso restraint before adjusting the backrest.
2. Support the backrest frame with one hand and squeeze the adjustment lever with the other hand (Figure 1), then move the backrest to its new position and release the adjustment lever. Continue to support the backrest frame until it locks into the new position.
3. Fasten and adjust the torso restraint.

**Important**
Operators should expect, and be prepared to control, the normal downward movement of the backrest that occurs when the control lever is squeezed.

4.2 Cot/Chair Conversion and Adjusting the Chair Position
The cot converts to a chair with four positions that range from nearly supine to upright. To convert the cot to a chair, or to change the chair position:

1. Loosen or unfasten the torso restraint.
2. Lower the backrest to the lowest position.
3. Grasp the loading wheel crosstube with one hand and press down on the chair adjustment handle with the other hand (Figure 2).
4. Change the cot or chair position by pulling up or pushing down on the loading wheel crosstube.
5. When the chair is near the desired position, release the chair adjustment handle and move the loading-wheel crosstube up or down a little until the chair adjustment handle locks into place.

**Note:** Support the weight until the adjustment handle engages and provides the support.

6. Adjust the backrest to the desired position and fasten or adjust the restraints.

**Important**
The chair position is adjusted independently of the backrest. Before adjusting the chair position, lower the backrest to the flat position in order to prevent leaning the patient’s upper body too far forward and causing discomfort.
4.3 Swing-Down Sidearms

Sidearms provide patient security and comfort. Keep the sidearms raised except when transferring a patient to or from the cot.

To lower, pull the lock pin and swing the sidearm down (Figure 3).

To raise, swing the sidearm up until it locks into position.

**Important**

Do not use the sidearms to lift the cot. Sidearms are not designed for lifting. Lift the cot only by grasping the main frame.

![Figure 3 - Lowering a Sidearm](image)

4.4 Undercarriage Safety Lock

The undercarriage safety lock prevents the undercarriage from folding.

The safety lock engages automatically when the undercarriage is unfolded, and releases when the control handle is squeezed for loading or folding (Figure 4).

![Figure 4 - Undercarriage Safety Lock](image)

4.5 Leg-Lock Clip

The leg-lock clip holds the cot in a folded position if the cot must be carried.

**ENGAGING THE LEG-LOCK CLIP**

1. Fold the cot.
2. Squeeze the leg tube and the main frame together near the clip, then slide the clip under and around the leg tube to lock the leg in place (Figure 5).

**DISENGAGING THE LEG-LOCK CLIP**

1. Place the folded cot on the ground.
2. Squeeze the leg tube and main frame together near the clip and slide the clip off the leg tube.

![Figure 5 - Engaging the Leg-Lock Clip](image)
4.6 Patient Restraints

- Use all three patient restraints to secure the patient on the cot or chair.
- Attach restraints across bony structures of the body (ribcage, pelvis, etc.) following your local protocols.
- The restraints should safely secure the patient without causing discomfort or impairing circulation.
- Keep the restraints fastened when not in use to prevent them from interfering with cot operation.
- **When a patient is on the cot, and BEFORE adjusting the cot between the chair and cot positions (or vice-versa), un buckle or loosen the pelvis and thigh restraints. Buckle and adjust the restraints after completing the position change.**
- Refer to the users’ manuals shipped with the restraints for complete information on using and maintaining restraints. For additional free users’ manuals, contact Ferno Customer Relations (page 2) or your Ferno distributor.

**ATTACHING THE RESTRAINTS**

Attach the restraints as follows:

- **Harness restraint (Figure 6-A):** Attach the shoulder straps to the backrest frame and the chest straps to the long, thin slots in the backrest panel.
- **Pelvis restraint (Figure 6-B):** Attach the straps to the slots in the finger guards OR to the long, thin slots in the seat panel. Follow your local protocols.
- **Leg restraint (Figure 6-B):** Attach the straps to the lower main frame. Follow your local protocols.
- Verify that restraint placement does not interfere with folding the cot or changing between chair and cot positions.

4.7 Cot Mattress

The two-piece cot mattress has four articulated sections to fit the contour of the cot and chair in all positions.

The mattress attaches to the cot with hook-and-loop fastening strips. To attach the mattress, lay it on the cot with the fastening strips aligned, then press on the mattress to connect the strips. To remove the mattress, pull up on the mattress to separate the hook-and-loop fastening strips.
5 - USING THE COT

5.1 Before Placing the Cot in Service

- Personnel who will work with the cot need to read this manual.
- Confirm that the cot operates properly. See Inspecting the Cot, page 17.
- The vehicle must have a Ferno cot fastener system installed.

5.2 General Guidelines for Use

- Medical advice is beyond the parameters of this manual.
- Follow standard emergency patient-handling procedures when operating the cot.
- It is the users’ responsibility to ensure safe practices for the patient and themselves.
- A minimum of two trained operators is required. A helper is needed when lowering the cot with a patient on it.
- Operators work together and maintain control of the cot at all times.
- Operators communicate with one another and use coordinated movements to operate the cot.
- The assisting operator must retain control of the head end of the cot at all times to maintain cot balance.
- Lift only the weight you can safely handle. Use additional help when working with heavy loads (patient and equipment). For placement of helpers, see Using Additional Help, page 15.
- Stay with the patient at all times.
- Always use patient restraints to secure the patient on the cot.

WARNING

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

WARNING

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

WARNING

An unrestrained patient can fall off the cot and be injured. Use restraints to secure the patient on the cot.
5.3 One Operator, Empty Cot

If local protocols permit, and only when the cot is empty (no patient), one trained operator can fold or unfold the cot.

To fold the empty cot, grasp the main frame at the foot end and tip the empty cot onto its loading wheels (Figure 7), then squeeze the control handle and fold the cot.

After folding the cot, engage the leg-lock clip if the cot is to be carried.

To unfold an empty cot, do not use the control handle. Grasp the main frame at the foot end and lift the cot onto its loading wheels and front transport wheels. After the legs have locked into the raised position, set the cot on all four transport wheels.

5.4 Folding the Cot With a Patient On It

It is rarely necessary to fold the cot with the patient on it, but if this situation does occur, the control and assisting operators will require a helper.

To fold the cot with a patient on it:

1. **Either Operator:** Verify that the patient restraints are securely fastened around the patient.

2. **Both Operators:** Stand facing each other at opposite ends of the cot and grasp the cot main frame with an underhand grip.

3. **Helper:** Stand next to the head end of the cot, facing the foot end. Place your foot firmly against the nearest transport wheel to prevent the cot from moving forward when the operators begin folding it (Figure 8).

4. **Both Operators and Helper:** While the helper holds the transport wheel in place, both operators lift the weight of the cot slightly off the wheels and move the cot toward the head-end operator.

5. **Foot-End Operator:** Squeeze the undercarriage control handle.

6. **Helper:** As soon as the undercarriage begins to fold, step away from the cot.

7. **Both Operators:** Continue to lower the cot until the undercarriage is completely folded.

8. **Control Operator:** Secure the undercarriage to the cot main frame with the leg lock clip.

---

**Important**

Both operators should expect, and be prepared to control, the normal downward movement of the cot that occurs when the control handle is squeezed.

**Important**

Before carrying the folded cot on stairs or over rough terrain, always engage the leg-lock clip to secure the undercarriage of the cot to the main frame.
5.5 Unfolding the Cot With a Patient On It

- Unfolding the cot with a patient on it requires two trained operators.
- Verify that the patient restraints are securely fastened.

To unfold the cot:
1. Verify that the leg lock clip is unclipped from the leg.
2. Operators face each other at opposite ends of the cot and grasp the main frame using an underhand grip.
3. Both operators lift the cot until all four transport wheels are off the ground (Figure 9). This allows the undercarriage lock to engage if it has not already done so. Set the cot onto its transport wheels after the legs have locked.

Note: Do not squeeze the control handle when unfolding the cot. Doing so will prevent the undercarriage from locking.

5.6 Rolling the Cot or Chair

**GENERAL GUIDELINES**

- Rolling the cot or chair with a patient on the cot requires a minimum of two trained operators working together and maintaining control of the cot at all times.
- Roll the cot or chair on smooth, unobstructed surfaces whenever possible.
- To cross a low obstacle such as a door sill, lift the cot slightly to take the weight off the wheels so the wheels roll smoothly over the obstacle.
- **When rolling as a cot,** lift and carry the cot over a high obstacle such as a curb. Use additional help as needed and lift using the main frame and loading-wheel crosstube. Do not apply downward force on one end of the cot in order to raise the other end of the cot.
- **When rolling as a chair,** do not cross high obstacles such as curbs. Seek an alternate route or convert the chair to a cot before carrying it across the obstacle.
- Use additional help as needed to safely control the weight of the patient and cot or chair (see Using Additional Help, page 15).
- When rolling over rough terrain, the operators (and helpers) should grasp the cot with both hands.

**ROLLING AS A COT**

Control Operator: Grasp the main frame at the foot end to push and steer the cot.

Assisting Operator: Stand at the head end of the cot, grasp the loading-wheel crosstube and help guide and move the cot.

**ROLLING AS A CHAIR**

The Control Operator grasps the loading-wheel crosstube to push and steer the chair. The Assisting Operator helps the Control Operator as needed.

**Important**

Roll the cot downhill foot-end first. If it is not medically appropriate to do this, roll the cot head-end first with the Assisting Operator exerting constant upward force on the drop frame.
5.7 Loading the Cot

Loading the cot with a patient on it requires a minimum of two trained operators working together.

1. **Control Operator**: Roll the cot forward until both loading wheels are on the patient compartment floor and the undercarriage contacts the vehicle bumper.

2. **Assisting Operator**: Stand at the side of the cot and make sure the loading wheels are securely on the patient compartment floor.

3. **Control Operator**: Lift the foot end of the cot until it is level with the ambulance floor, then squeeze the control handle and push the cot completely into the patient compartment (Figure 10). The undercarriage will fold as the cot is pushed into the ambulance.

4. **Assisting Operator**: Assist the Control Operator.

5. **Control Operator**: Release the control handle.

6. **Either Operator**: Secure the cot in the cot fastener.

5.8 Unloading the Cot

Unloading the cot with a patient on it requires a minimum of two trained operators working together.

1. **Control Operator**: Release the cot from the cot fastener.

2. **Control Operator**: Grasp the main frame at the foot end of the cot and begin pulling the cot out of the ambulance. The undercarriage will begin to unfold (Figure 11).

**Note**: *Keep the loading wheels on the ambulance floor until after you complete Step 4.*

3. **Control Operator**: Raise the foot end of the cot until all four transport wheels are off the ground to make sure the undercarriage has unfolded completely and is locked. Use additional help as needed (See *Using Additional Help*, page 15).

   - **Assisting Operator**: If the control operator cannot lift the cot high enough for the undercarriage to lock into place, move to the foot end of the cot and assist with the lift.
   - **Assisting Operator**: When the undercarriage has unfolded, verify that it has locked into place and communicate that to the Control Operator.

4. **Control Operator**: When the Assisting Operator tells you the undercarriage has locked into place, lower the foot end of the cot until all four transport wheels are on the ground.

5. **Both Operators**: Roll the cot away from the ambulance.

---

**Important**

If the ambulance is parked on an uneven surface, the operators (and any helpers) may need to lift the cot higher than normal to allow the undercarriage to lock.
5.9 Using Additional Help

Operating the cot requires a minimum of two trained operators. Additional help is needed when folding the cot with a patient on it, and when working with heavy loads (patient plus equipment). The chart below shows suggested placement for operators and helpers.

- Operators stand at the head and foot ends of the cot, maintain control of the cot, operate the controls, and direct all helpers.
- Ferno recommends that helpers work in pairs to help maintain cot balance.

<table>
<thead>
<tr>
<th>Changing Levels With a Patient On the Cot</th>
<th>Rolling</th>
<th>Loading/Unloading</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Diagram of cot with operators and helpers" /></td>
<td><img src="image" alt="Diagram of cot rolling" /></td>
<td><img src="image" alt="Diagram of cot loading/unloading" /></td>
</tr>
</tbody>
</table>

Key: O = Operator  H = Helper  P = Patient

**WARNING**

Helpers can cause injury or be injured. Maintain control of the cot, operate the controls, and direct all helpers.

**Load Limit**

Inspect the cot if the load limit has been exceeded (See *Inspecting the Cot*, page 17).
6 - MAINTENANCE

6.1 Maintenance Schedule
The cot requires regular maintenance. Set up and follow a maintenance schedule. The table at right represents minimum intervals for maintenance.

Keep maintenance records. A sample maintenance record sheet is provided on page 19.

When using maintenance products, follow the manufacturers’ directions and read the manufacturers’ material safety data sheets. You can purchase a recommended disinfectant from your Ferno distributor or Ferno Customer Relations (page 2).

<table>
<thead>
<tr>
<th>Minimum Maintenance Intervals</th>
<th>Each Use</th>
<th>As Needed</th>
<th>Each Month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Disinfecting (this page)</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cleaning (this page)</td>
<td>•</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Waxing (page 17)</td>
<td>•</td>
<td></td>
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</tr>
<tr>
<td>Inspecting (page 17)</td>
<td>• •</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lubricating (page 17)</td>
<td>•</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WARNING**
Improper maintenance can cause injury. Maintain the cot only as described in this manual.

6.2 Disinfecting and Cleaning the Restraints
Remove the restraints from the cot. Disinfect and clean only as directed in the restraint users’ manuals provided with the restraints. Additional, free users’ manuals can be obtained from Ferno Customer Relations (page 2).

6.3 Disinfecting and Cleaning the Mattress
1. Remove the mattress from the cot.
2. **To disinfect:** Apply disinfectant to the mattress, following the manufacturer’s instructions for application method and contact time.
3. **To clean:** Wash the mattress with warm, soapy water and a soft cloth. Rinse the mattress with clear water. Hang the mattress to dry, or dry it with a towel.

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

**Important**
Water under high pressure, or steam, can penetrate joints, flush away lubricant, and cause corrosion. Use caution when cleaning moving parts such as joints and hinges, and reapply lubricant if needed (see page 17).

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

6.4 Disinfecting the Cot
Wipe all surfaces with disinfectant. Follow the disinfectant manufacturer’s instructions for application method and contact time. Ferno recommends you inspect the cot for damage as you disinfect it.

6.5 Cleaning the Cot
1. Remove the restraints, mattress and any accessories.
2. Hand clean all surfaces of the cot with warm water and a mild detergent.
3. Rinse with warm, clear water. Dry the cot with a towel or allow it to air-dry.
6.6 Waxing the Cot

While it is not necessary to wax this cot, waxing the cot frame and undercarriage will not damage the cot and will help maintain the cot’s appearance.

Disinfect and clean the cot before applying wax. Use an automotive wax as directed by the wax manufacturer.

6.7 Inspecting the Cot

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

If inspection shows damage or excessive wear, remove the cot from service until repair is made. See Parts and Service, page 18.

6.8 Lubricating the Cot

Disinfect and clean the cot before applying lubricant. Use the lubricants designated below to lubricate the cot. Do not lubricate points marked with the “do not lubricate” symbol.

**LUBRICATION POINTS**

Use a small amount of lubricant. Lubricate identical points on each side of the cot.

1. Sidearm Hinge (4) WRL-191S or E-Z-1 (1-2 drops)
2. Sidearm Lock Pin (2) WRL-191S or E-Z-1 (1-2 drops)
3. Release-Rod Leg Roller (1) WRL-191S or E-Z-1 (1-2 drops)
4. Leg-Brace Hinge (2) WRL-191S or E-Z-1 (1-2 drops)
5. Undercarriage Brace Bar (4) SAE-30-Weight Oil
6. Leg Brace/Main Frame Joint (2) SAE-30-Weight Oil
7. Undercarriage Hinge (2) SAE-30-Weight Oil

**INSPECTION CHECKLIST**

- Are all components present?
- Is the cot free of excessive wear?
- Are all screws, nuts, bolts, rivets, and roll pins securely in place?
- Do all moving parts operate smoothly and properly?
- Do the locking mechanisms operate properly and lock securely?
- Does the cot load and unload properly?
- Does the cot roll smoothly?
- Do the wheels have some tread?
- Are the restraints properly installed?
- Is restraint webbing in good condition with no cuts or frayed edges?
- Are restraint buckles free of visible damage and do they operate properly?
- Is the ambulance properly prepared for the cot with an approved Ferno cot fastener installed?
- Do installed accessories operate properly without interfering with cot operation?

**Important**

Lubricating parts that should not be lubricated allows dirt and foreign particles to collect on those parts, resulting in damage. Lubricate only the numbered reference points shown.
7. **PARTS AND SERVICE**

7.1 **U.S.A. and Canada**

In the United States and Canada, to order parts or for professional cot 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

7.2 **Worldwide**

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

### 7.3 Parts List

<table>
<thead>
<tr>
<th>Ref#</th>
<th>Part #</th>
<th>Description</th>
<th>Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>039-0121</td>
<td>Orange mattress leg/foot</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>039-0120</td>
<td>Orange mattress seat/back</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>039-0122</td>
<td>Orange pillow strap (n/s)</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>090-4391</td>
<td>Hook-and-loop mattress stay (n/s)</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>090-0185</td>
<td>Backrest w/hinge, panel, frame</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>090-1258</td>
<td>Manual backrest adj. handle (n/s)</td>
<td>1</td>
</tr>
<tr>
<td>7</td>
<td>090-2948</td>
<td>“V” spring for backrest adj. assy. (n/s)</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>090-3077</td>
<td>Pin for backrest adj. assy. (n/s)</td>
<td>1</td>
</tr>
<tr>
<td>9</td>
<td>090-0021</td>
<td>Load-wheel axle rod (old, 5/16&quot; diam.)</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>090-4140</td>
<td>Load-wheel axle rod w/wheels and cover, (new 1/2&quot; diam.)</td>
<td>1</td>
</tr>
<tr>
<td>11</td>
<td>090-0520</td>
<td>4&quot;x1&quot; Solid rubber wheel (old style)</td>
<td>1</td>
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<tr>
<td>12</td>
<td>090-0539</td>
<td>4&quot;x1&quot; Wheel w/1/2&quot; bearing (new style)</td>
<td>1</td>
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<tr>
<td>13</td>
<td>090-0032</td>
<td>Sidearm pin w/knob &amp; spring</td>
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<tr>
<td>14</td>
<td>090-0028</td>
<td>Control bar spring (1 pair)</td>
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<tr>
<td>15</td>
<td>090-0015</td>
<td>Rubber sidearm bumper</td>
<td>1</td>
</tr>
<tr>
<td>16</td>
<td>090-0033</td>
<td>Scuff block (1 pair, n/s)</td>
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</tr>
<tr>
<td>17</td>
<td>090-0060</td>
<td>5&quot; Wheel w/bearings, axle bolt and nut</td>
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<tr>
<td>18</td>
<td>090-1266</td>
<td>3/8&quot; Wheel bearing</td>
<td>2</td>
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<tr>
<td>19</td>
<td>090-4122</td>
<td>Drilled shank pin w/nut (n/s)</td>
<td>1</td>
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<td>20</td>
<td>090-1259</td>
<td>1/2&quot; Shank bearing (n/s)</td>
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<td>21</td>
<td>090-0180</td>
<td>Standard axle bolt w/nut for 5&quot; wheel</td>
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<td>22</td>
<td>090-0070</td>
<td>5DC wheel fork (no wheel)</td>
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<tr>
<td>23</td>
<td>090-0080</td>
<td>5&quot; Swivel caster assembly (complete)</td>
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<td>24</td>
<td>090-0041</td>
<td>Link rod</td>
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<tr>
<td>25</td>
<td>090-0045</td>
<td>Leg-lock clip, bolt, nut</td>
<td>1</td>
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<tr>
<td>26</td>
<td>090-0031</td>
<td>Sidearm assembly (complete)</td>
<td>1</td>
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</tbody>
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(n/s) = Not Shown

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**WARNING**

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

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**WARNING**

Modifying the cot can cause injury and damage. Use the cot only as designed by Ferno.
## TRAINING RECORD

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<th>Date</th>
<th>Name</th>
<th>Training Method</th>
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## MAINTENANCE RECORD

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