



User Manual for

- *Compact Carrying Chair;*
- *Compact 1-S Carrying Chair;*
- *Compact 1-S Carrying Chair
(with Height Adjustable Backrest);*
and
- *Compact 2 Carrying Chair.*

1. Intended Use

The Ferno Compact, Compact 1-S and Compact 2 Carrying Chairs are designed to aid the movement of a patient in a seated position by carrying. They should be used in circumstances where transfer devices such as trolleys or stretchers cannot be manoeuvred.

1.1 Safety Precautions

To ensure safety and satisfaction with your new Carrying Chair, all users should read these instructions and the individual portions of recognised emergency care manuals that relate to the application and use of Carrying Chairs.

WARNING

Improper use can cause injury and damage. Use only Ferno-approved parts and service.

1.1.2 Operator Skills

Minimum recommended skills are as follows:

- The strength, balance, co-ordination and common sense to safely operate the Chair.
- The ability to select the proper equipment and procedures for the circumstances.
- Operators should have operator certification (or equivalent).
- The ability to understand and follow the procedures described in this manual.

1.1.3 Operator Training

Minimum recommended training is as follows:

- A training plan approved by an EMS training officer (or equivalent).
- Read and understand the instructions in this manual.
- Practice using the fully equipped Chair with weight and under simulated conditions.
- Trainees should be tested to verify their understanding of Chair Operation.
- Keep training records. Annual refresher training for all Chair operators is recommended.

WARNING

Only qualified personnel trained in the use of the Carrying Chair should use it.

For safety purposes, it is essential that patients should always be secured with restraints.

Never leave a patient unattended.

Never exceed the maximum load capacity of 200Kg.

Establish regular inspection procedures and responsibilities to ensure proper maintenance as described.

WARNING

In cases of cervical, spinal or some fracture injuries, use of the Chair for patient transfer is not recommended.

Never leave the Chair unsupported with a patient on-board as the Chair is designed to tilt back easily.

Improper maintenance can cause injury and unpredictable operation. Maintain the Chair only as described in this manual.

Improper parts and service can cause injury and damage. Use only Ferno-approved parts and service.

CAUTION

High concentrations of bleach, phenols and iodine can cause damage.

Contact Ferno (UK) Ltd before use.

Normal levels of disinfecting fluids are acceptable.

Improper lubricants can cause damage. Use white lithium grease and light oil to lubricate the Chair.

ESSENTIAL REQUIREMENT

Every three months lubricate the hinge pins with light oil paying particular attention to the cross section pins.

CAUTION

Trapping hazards are unavoidable in this design of chair due to its folding action, operate the folding mechanism with care.

Bloodborne Disease Notice

To reduce the risk of exposure to blood borne diseases (such as HIV-1 and hepatitis), when using the Chair, follow the maintenance instructions in this manual.

2. Compact, Compact 1-S and Compact 2 Carrying Chair Features

Operational Features

The Chair folds for shipping and stowage.

To Unfold

Unfold by placing the Chair on the ground. With your foot on the Chair's foot-bar, lift the back up and rearward. Completely unfold by firmly pushing up the back until an audible click is heard.

Once the chair is locked, move both of the Safety Rings down over the hinge bracket.

WARNING

Push firmly to engage both catches and visually check that the catches are fully engaged before using the Chair.

To Fold

To fold the Chair, push the Safety Rings up over each hinge bracket.

Pull the release catch in the centre and fold the Chair forwards.

The Restraints may be used to secure the Chair in the folded position.

Restraints

The Chair is equipped with two restraints for patient comfort. When using the Chair, the patient must be secured by the restraints. Assess patient condition to determine optimum strapping procedure.

Folding Foot Rest (Compact 1-S only)

The Compact 1-S has a folding footrest for convenience when a seated patient transfers to a standing position.

To fold the footrest, pull to release both plungers and twist to retain plungers in retracted position. Lift the footrest into the folded position.

To unfold the footrest, pull forwards and downwards and twist both plungers to release. Ensure both sides are locked.

Three Position Upper Handle (only on Compact 1 S with Height Adjustable Backrest)

The upper handle can be locked into one of three positions to allow for height variations of operator and patient.

The removable head pad can only be attached when the upper handle is in its second or third position.

To adjust the upper handle into the second or third position, pull the black release knob on the right hand side with right hand. Maintain grip while adjusting upper handle upwards with left hand. Release knob while still adjusting handle upwards until knob engages into required position.

To return the upper handle to the first position, remove head pad if affixed. Pull black release knob with right hand, maintaining grip, while lowering upper handle with left hand. Release knob and adjust handle until knob engages in its first position.

Removable Head Pad (only on Compact 1 S with Height Adjustable Backrest)

The head pad can be attached to the chair when the upper handle is in the second or third position. The pad is designed to optimise patient comfort.

The head pad can be attached, using Velcro flaps, to the upper handle. Position pad with Velcro facing the rear of the chair then fold flaps back onto themselves around the metal frame.

2.1. Accessories

2.1.1 The Oxy-Clip

The Oxy Clip (Cylinder Holder) clips onto the front bar under the seat of the Chair.

2.1.2 Blankets

Blankets may be used with the Chair to enhance patient comfort, ensure they are kept clear of any moving parts.

3. Checking the Compact, Compact 1-S and Compact 2 Carrying Chair

The following checks are required each day before the use of the Carrying Chair:

1. Overall cleanliness of the Carrying Chair.
2. Check that there are no bent or damaged parts, missing fasteners, etc.
3. Check that the wheels rotate freely with no excess movement or damage.
4. Check that the Carrying Chair unfolds and locks securely in the seating position for normal use.
5. Check the upholstery for cracks, splits or any loose fabric or stitching, etc.
6. Check that the upholstery is correctly secured to the frame.

If in any doubt then contact a Service Engineer.

Regular cleaning helps reduce the risk of transmitting disease and enables the equipment to function at its optimum.

4. Operating Procedure

Placing the Patient

Use a recognised patient handling technique to place the patient on the Chair.

WARNING

In cases of cervical, spinal or some fracture injuries, use of the Chair for patient transfer is not recommended.

Securing the Patient

After placement on the Chair, the patient should be secured to the Chair with the leg and chest restraints.

WARNING

Never leave the Chair unsupported with a patient on-board as the chair is designed to tilt back easily.

Rolling the Patient and Chair

After placing the patient on the Chair and fastening the restraints, the attendants move to positions at the front and rear of the Chair.

For the Compact and the Compact 2 carry chairs, the rear attendant grasps the Chair frame, then tilts the patient/chair back until the weight is balanced on the Chair wheels. The Chair can then be rolled without lifting.

The Compact 1-S has two wheels affixed to the foot end frame. These assist with movement on level ground and mean that the chair can be used without tilting backwards. The operator at the foot end of the chair assists as required with obstacles like doorframes or uneven surfaces. The lower handle can be used to overcome larger obstacles.

Carrying the Patient and Chair

To carry the patient, the same “tilt/back and balance” procedure is used. The attendants grasp the front and rear carrying handles and lift simultaneously, using recommended lifting methods.

General Principles

When moving patients, always inform them of what you are going to do.

Always follow good lifting procedures as specified in the current manual handling regulations and your appropriate training manual.

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

Placement techniques, heavy patients, rough terrain or unusual circumstances may require more attendants.

Operators must take extra care precautions when operating the chair on uneven ground.

Extra precautions should be taken to prevent the chair from slipping in adverse, wet or icy weather conditions.

Stay with the patient at all times and always use the patient restraints provided.

WARNING

Before positioning the patient on the chair, always ensure the chair is fully unfolded and that the safety rings are up and over each hinge bracket.

5. Care of the Compact, Compact 1-S and Compact 2 Carrying Chair

The Ferno Compact, Compact 1-S and Compact 2 Carrying Chair require scheduled maintenance to keep them working safely. Set up and follow a maintenance schedule.

When setting up your maintenance schedule, consider how the Chair will be used.

Will the Chair be exposed to extreme temperatures, or to salt, sand, mud, dust, etc.?

Will the Chair be heavily used?

Follow the maintenance schedule below as a minimum.

WARNING

Improper maintenance can cause injury and unpredictable operation. Maintain the Chair only as described in this manual.

5.1 Maintenance Schedule

ESSENTIAL REQUIREMENT

Every three months lubricate the hinge pins with light oil paying particular attention to the cross section pins.

When using a maintenance product, follow the manufacturer's directions and read the manufacturer's material safety data sheet.

Contact Ferno (UK) Ltd to order Ferno cleaners and disinfectants.

Keep Service and Maintenance records. Use the convenient form at the back of this manual.

5.1.1 Cleaning the Chair and Accessories

Remove the restraints and place them in a mesh laundry bag. Machine wash them in cold water using the delicate cycle and a mild laundry detergent. Allow them to air dry.

Clean all other surfaces of the Chair with warm water and a mild detergent. (Use a brush if necessary). Rinse it with warm water. Towel dry the Chair or allow it to air dry.

Wash the Chair by using a sponge and mild detergent soap mixed in warm water. For particularly grimy cases, especially if the chair has been in storage for a long period, it may be necessary to first wash the Chair with a solvent soaked cloth prior to using soap and water.

Once cleaned, dry the Chair with a soft towel paying particular attention to swivel and sliding joints.

The Ferno Clean Range is an effective disinfectant designed to give you high level protection. The range exists of:

- Hard Surface decontamination spray.
- Hard surface decontamination wipes.
- Foamer San.
- Hand disinfectant.

Ferno recommends the use of these products to ensure bacteria free use during shifts.

NOTE – Do not use high pressure water or steam to clean the Chair, these methods remove lubricants.

5.1.2 Disinfecting the Chair

Wipe all surfaces of the Chair and restraints with disinfectant (see Page 3, Bloodborne Disease Notice). Follow the manufacturer's directions. As you wipe down the Chair, check it for damage and wear.

CAUTION

High concentrations of bleach, phenols and iodine can cause damage.

Contact Ferno (UK) Ltd before use.

Normal levels of disinfecting fluids are acceptable.

6. Warranty and Service

Ferno's standard terms and conditions apply to all sales. A copy is available upon request. These contain full details of warrant terms and do not limit the statutory rights of the customer.

For service, maintenance and any questions regarding this, or any other Ferno product, please contact:

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or your local distributor.

Date	Service By	Remarks

7. Technical Data

Product	Dimensions (cm)* and Mass (Kg)	Load Capacity (Kg)**
Compact Carrying Chair (Stainless Steel)	In Use: HxWxD 93.5 x 43.5 x 43 Folded: HxWxD 76.5 x 43.5 x 23.5 Mass 9.1	200
Compact 1-S Carrying Chair (Stainless Steel)	In Use: HxWxD 93.5 x 44.5 x 42 Folded: HxWxD 77.5 x 44.5 x 28.5 Mass 9.7	200
Compact '2' Carrying Chair (Stainless Steel)	In Use: HxWxD 93.5 x 44.5 x 42 Folded: HxWxD 77.5 x 44.5 x 28.5 Mass 9.4	200

* All dimensions are approximate

** Load limit is total weight distributed in accordance with basic human anatomy proportions. Attendants must consider the weight of the patient and accessories when determining total load on the chair.



The CE mark on this product demonstrates conformity with the requirements of the EC Directive 93/42/EEC for Medical Devices.

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As our policy is one of continuous development Ferno (UK) Ltd reserves the right to change the specifications without notice.

Stock Code: 2003-0006