

OPERATOR'S MANUAL

FWE2040, FWE2041 & FWE2042

FOLDING CARRY CHAIRS



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Disclaimer

This manual is not all inclusive. Safe and proper use of this chair is solely at the discretion of the user. Safety warnings are included as a service to the user. All other safety measures taken by the user should be within and under consideration of the national, regional and local regulations and standards considering usage. It is recommended that training in the proper use of this chair be provided before using the chair in an actual situation.

Contents

Section 1	Introduction	
	Introduction	1.1
	Precautions for Safety	1.1.1
	Operator Skills	1.1.2
	Operator Training	1.1.3
	General Principles	1.1.4
	Ferno Model 2040, 2041 & 2042 Folding Carry Chairs	1.2
	Technical Specifications	1.2.1
	Limited Warranty	1.3
	Limited Warranty Summary	1.3.1
	Limited Warranty Obligation	1.3.2
	Customer Service	1.4
Section 2	Safety Alerts	
	Safety Alerts	2.1
	Blood borne Disease Notice	2.2
Section 3	Features and Functions	
	Operational Features	3.1
	To Unfold	3.1.1
	To Fold	3.1.2
	Restraints	3.1.3
Section 4	Using the Chair	
	Placing the Patient	4.1
	Securing the Patient	4.2
	Rolling the Patient and Chair	4.3
	Carrying the Patient and Chair	4.4
Section 5	Maintenance	
	Schedule Maintenance	5.1
	Cleaning the Chair and Accessories	5.2
	Disinfecting the Folding Chair	5.3
	Training Record	5.4
	Maintenance Record	5.5

Section 1 Introduction

Preface

This manual has been prepared to provide general instructions for proper usage and maintenance of the Ferno Model 2040, 2041 and 2042 Folding Carry Chair.

Specific applications and operating techniques may vary from user to user. Ferno does not intend or recommend that this product be used for any purpose other than for which it is designed and outlined in this manual.

This chair has been designed as an evacuation device and is not intended to be used as a normal wheel chair. Any other use or application of this product becomes the complete responsibility of the owner/user.

Retain this manual for future reference and include with the Chair in the event of transfer to new owners/users.

1.1 Introduction

1.1.1 Precautions for Safety

To ensure safety and satisfaction with your new folding chair, all users should read these instructions and the individual portions of recognised emergency care manuals which relate to the application and use of carrying chairs.

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 the 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.

1.1.4 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.

1.2 Ferno Model 2040, 2041 & 2042 Folding Carry Chairs

The model 2040, 2041 & 2042 folding carry 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 maneuvered.



WARNING

Only qualified personnel trained in the use of the folding 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.

Establish regular inspection procedures and responsibilities to ensure proper maintenance as described in this manual

Section 1 Introduction continued

1.2.1 Technical Specifications

All Models

- SWL (Safe Working Load): 160kg
- Footstrap 25mm Webbing with Fastex Buckle

Model	Size Folded	Size Unfolded	Wheels	Weight	Cover	Restraints
2040	410mm Wide 810mm Long 200mm High	410mm Wide 1260mm Long 910mm High	2 Wheels	10 kg	Green	1 x 50mm Webbing with Fastex Buckle
2040-1	410mm Wide 810mm Long 200mm High	410mm Wide 1260mm Long 910mm High	2 Wheels	10 kg	Orange	1 x 50mm Webbing with Fastex Buckle
2040-2	410mm Wide 810mm Long 200mm High	410mm Wide 1260mm Long 910mm High	2 Wheels	10 kg	Orange	2 x 50mm Webbing with Fastex Buckle
2041	390mm Wide 810mm Long 200mm High	390mm Wide 1260mm Long 910mm High	4 Wheels	11 kg	Orange	2 x 100mm Vinyl with Velcro
2041-1	390mm Wide 810mm Long 200mm High	390mm Wide 1260mm Long 910mm High	4 Wheels	11 kg	Green	2 x 100mm Vinyl with Velcro
2041-2	390mm Wide 810mm Long 200mm High	390mm Wide 1260mm Long 910mm High	4 Wheels	11 kg	Green	1 x 50mm Webbing with Fastex Buckle
2042	410mm Wide 810mm Long 200mm High	410mm Wide 1260mm Long 910mm High	4 Wheels	11 kg	Green	2 x one piece 7' #430 Restraints

1.3 Limited Warranty

1.3.1 Limited Warranty Summary

Ferno Australia (Ferno) warrants the products we manufacture to be free from defects in material and workmanship for one year except as follows:

- A. External finishes (gelcoat, decals, paint, etc.) are warranted for 90 days.
- B. Repairs and services are warranted for 90 days or until the end of the time period(s) above, whichever comes last.

This limited warranty applies when you use and care for the product properly. If the product is not used and cared for properly, the warranty is void. The warranty period begins the day the product is shipped from Ferno or the day you receive it if you have proof of the delivery date. Shipping charges are not covered by the limited warranty. We are not liable for shipping damages or damages sustained through using the product.

1.3.2 Limited Warranty Obligation

If a product or part is proven to be defective, Ferno will repair or replace it. At our option, we will refund the product's purchase price. The purchaser accepts these terms in lieu of all damages.

This is a summary of the limited warranty. The actual terms and conditions of the limited warranty and the limitations of liability and disclaimers are available upon request from Ferno Australia

1.4 Customer Service

Customer service and support are important aspects of each Ferno Product.

For assistance with the 2040, 2041 & 2042 folding carry chairs, contact Ferno Customer Service:

Ferno Australia
11 Johnstone Road
Brendale Qld 4500

Phone: 1800 804 647
(07) 3205 5055
Fax: (07) 3881 1125
E-mail: sales@ferno.com.au

Section 2 Safety Alerts

2.1 Safety Alerts

Safety alerts identify potential hazards to avoid. The following safety alerts appear in this manual.



WARNING

Only qualified personnel trained in the use of the folding chair should use it.

Securing the patient with restraints and never leaving the patient unattended are both essential for safety whenever a patient is seated on the chair.

Never exceed the maximum load capacity.

Establish regular inspection procedures and responsibilities to ensure proper maintenance as described in this manual



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

Bleach, phenols and iodine can cause damage. Do not apply products containing these chemicals to the chair.

CAUTION

Improper lubricants can cause damage. Use white lithium grease and 30-weight oil to lubricate the chair

2.2 Bloodborne Disease Notice

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

Section 3 Features and Functions

3.1 Operational Features

The chair folds for shipping and stowage.

3.1.1 To Unfold

Unfold by placing the chair on the ground. With your foot behind the chair, lift the back up and rearward. (See Fig 1)



Figure 1

Now completely unfold the chair by firmly pushing up the back until an audible click is heard.



Figure 2

3.1.2 To Fold

To fold pull the release catch in the centre and fold the chair forwards. (See Fig 4-5)



Figure 4



Figure 5

The restraints may be used to secure the chair in the folded position. (See Fig 6).



Figure 6



WARNING

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



Unlocked

Locked

Figure 3

3.1.3 Restraints

The chair is equipped with restraints for patient comfort. When using the chair, the patient must be secured by the restraints. (See Fig 7 overleaf)

Section 4 Using the Chair

N.B. Read Section 3 - Features and Functions before using this section.

4.1 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

4.2 Securing the Patient

After placement on the chair, the patient should be secured to the chair with the leg and chest restraints. (See Fig 7)



Figure 7



WARNING

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

4.3 Rolling the Patient and Chair

The Model 2040, 2041 & 2042 folding carry chairs are designed to aid the movement of a patient in a seated position by carrying or alternatively rolling the chair at the point of balance on the large rear wheels.



Figure 8

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

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. (See Fig 8)

Note: The small front castor wheels on the Model 2041 & 2042 folding carry chairs are solely for the purpose of manoeuvring the chair in close, tight situations. Once the chair is in a position where it can be tilted back or lifted, it should be wheeled or carried in the manner described above.

4.4 Carrying the Patient and Chair

Where it is necessary due to difficult terrain or access to carry the patient, the same 'tilt/back and balance' procedure is used. The attendants grasp the front and rear carrying handles and using approved lifting techniques lift simultaneously. (See Fig 9 & 10).



Figure 9



Figure 10

Section 5 Maintenance

The Ferno Model 2040, 2041 & 2042 Folding Carry Chairs 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.

5.1 Schedule Maintenance

Usage	Lubrication/ Maintenance
Light Duty 1-25 calls per month	Every 6 months
Medium Duty 26-200 calls per month	Every 3 months
Heavy Duty 200+ calls per month	Every month

5.2 Cleaning the Chair and Accessories

Remove the restraints and place them in a mesh laundry bag. Machine wash them on 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 laundry 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 rag soaked in a mild solvent, prior to using soap and water. Once cleaned, dry the chair with a soft towel paying particular attention to swivel and sliding joints.

NOTE- Do not use high pressure water or steam to clean the chair. These methods remove lubricants.



WARNING

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

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

Contact Ferno Customer Service
Department to order Ferno cleaners and
disinfectants

Keep maintenance records. Use the convenient form at the back of this manual

5.3 Disinfecting the Chair

Wipe all surfaces of the chair and restraints with disinfectant (see Section 2.2 on Bloodborne diseases). Follow the manufacturer's directions. As you wipe down the chair, check it for damage and wear.

CAUTION

Bleach, phenols and iodine can cause damage. Do not apply products containing these chemicals to the chair.

