



Enigma Travel Chair and Lightweight Aluminium Wheelchair **Owner's Handbook**

*Please read this manual before
operation for maintenance instructions
and safe usage of this wheelchair.*



Enigma

Introduction

The Enigma Travel Chair is designed to be one of the lightest wheelchairs on the market at under 10kg. The chair is recommended for moderate or occasional everyday use, and is suitable for indoor and some outdoor applications. The wheelchair is suitable for use outdoors where the surface and terrain is forgiving (e.g. on flat tarmac, in pedestrian precincts, etc).

The chair is designed for a single occupant of up to 115kg (18 stones). The wheelchair can be user or attendant propelled, depending on the model supplied.

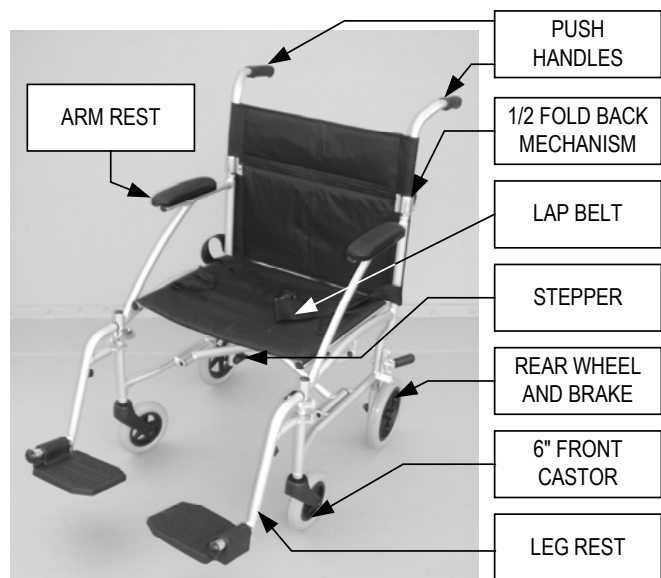
The Travel Chair offers a solution to some mobility problems. For information about more permanent solutions to mobility problems please contact Medicare Technology.

All Enigma wheelchairs are manufactured to the highest quality and are CE compliant. Medicare Technology is an ISO 9001 and ISO 13485 certified medical device manufacturer.

Parts Description



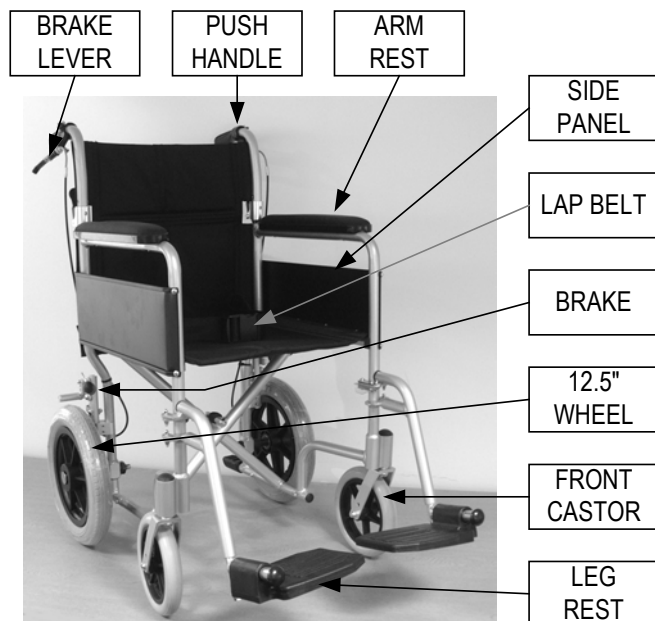
The TC001 parts description is shown above.



The TC002 parts description is shown above.



The LAW C001 parts description is shown above



The LAW C002 parts description is shown above.

Please see the parts description for the LAW C001 to show the location of the Rear Wheel Quick Release Pin and Half Fold Back Mechanism

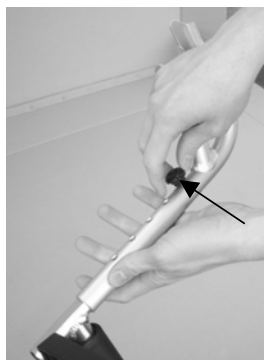
1. Contents

1. Contents
2. Legrest Adjustment
3. Folding the Wheelchair
4. Half-Folding Back Mechanism
5. Transporting the Wheelchair
6. Using the Stepper Tube
7. Using the Lap Belt
8. Brake Adjustment and Operation
9. Operation and Propulsion
10. Tyre Pressure
11. Care and Maintenance
12. Specification
13. Warranty

2. Legrest Adjustment

For optimum comfort it is important to attain the correct leg position. The footrests have been designed so that they can be extended into one of 5 fixed positions.

Unscrew the black knob shown. Adjust the legrest as required then reattach the black knob to secure.



3. Folding the Wheelchair

The Enigma wheelchair has been designed with an easy fold mechanism. To fold the chair, ensure that the footrests are in the forward position and that the plastic footplates are flipped up. Holding the front and rear edge of the seat sling, pull the seat in an upward motion. The wheelchair will naturally fold up.

4. Half-Folding Back Mechanism



black paddle with your thumb (see photo left) whilst pulling the handle down. This operation should be repeated for the other handle.

To put the backrest back into position, lift both handles together and the folding mechanism will lock back automatically.

The backrest has an in-built half folding back which has been designed so that the wheelchair will fit into small spaces by reducing the push handle height. In order to fold down the backrest, push the

Warning:

Do not push down on the handles to raise the front of the wheelchair, as this could result in damage to the wheelchair. Use the stepper tube as described in Part 7.

5. Transporting the Wheelchair

To transport the wheelchair, first fold up the wheelchair and fold down the back as previously described. Then remove the legrests by pushing the chrome lever on the legrests whilst pulling the legrest away from the chair. This operation should unlock the legrest and allow it to be removed by lifting up on the legrest.

The LAWC001 and LAWC002 come with quick release rear wheels. With one hand holding up the wheelchair frame, the other hand should grip the centre of the wheel, push the centre pin inwards and in the same movement pull the wheel hub away from the wheel. To put the wheels back the procedure should be reversed. Check that the wheel is securely fastened before use by pulling the wheel and ensuring there is no sideways movement.

The Travel Chairs (TC001 and TC002) come with its own easy-to-carry bag. Put the wheelchair and two legrests in the bag. Ensure that the latest health and safety practice is used for carrying and lifting items.

6. Using the Stepper Tube

Use the **stepper tube** to raise the front castors (when mounting a kerb for example). To use, ensure that the stepper is flipped down (TC002 only) then push down on the stepper tube with a foot.



Warning:

Do not raise the front castors by pushing down on the push handles as this could result in damage to the wheelchair.

To mount a kerb. Approach the kerb head on. Then the attendant uses the stepper tube to raise the front castors, and lowers the front castors on the raised kerb. Finally the attendant should push the wheelchair forward, lifting it up slightly to mount the kerb if required.

To go down a kerb. Line up the front castors with the edge of the kerb. The attendant uses the stepper tube to raise the front castors and tip the user slightly back. Keeping the castors raised, slowly lower the wheelchair down the kerb.



Warning:

Do not raise the front castors by pushing down on the push handles as this could result in damage to the wheelchair.

7. Using the Lap Belt

The lap belt is to restrain the wheelchair occupant during normal use. The lap belt is not to be used as a seat belt in a motor vehicle. Under no circumstances should the Travel Chair be used as a seat in a motor vehicle (e.g. cars, buses, trains, etc).

The lap belt comes as standard with the TC001, TC002 and LAWC002. It is available as an option on the LAWC001.

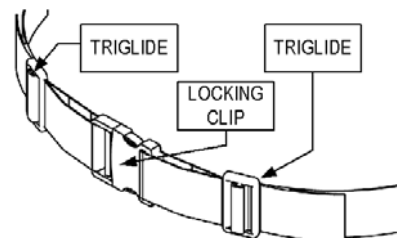
The lap belt should be adjusted to suit each user. The length of the belt can be adjusted by the tri-glides (as shown in the diagram overleaf). The lap belt has a luggage-style large locking clip to fasten and unfasten the lap belt. To fasten the lap belt, push the clip in to the receiver until it locks in the position (which can be heard by an audible click).

When fastened, the lap belt should be tight around the user's pelvis without causing discomfort or undue pressure. This will help keep the user's hips and pelvis towards the back of the wheelchair. Use the tri-glides (shown) to adjust the length of the lap belt. The length of the lap belt should be checked each time the belt is used.

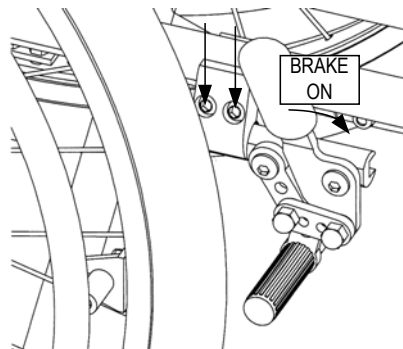
There is a risk of suffocation from users 'submarining' (where they slide down the chair until the lap belt is around the neck area). To reduce the risk of this, ensure that the lap belt is used under supervision and is used as instructed.

The lap belt may not be suitable for all users of wheelchairs.

Seek professional medical advice before using the lap belt.



8. Brake Adjustment and Operation



Adjustment is made to the brake by loosening the Allen key bolt heads (arrowed) using the Allen key supplied, and then by sliding the brake unit along the frame.

The brakes are preset, and adjustment should only be necessary if the brakes become loose or no longer function correctly.

To apply the parking brakes, push the plastic brake handle towards the front of the wheelchair. Push the handle back to release the brakes (see previous diagram).

The LAWC002 has cable brakes, which an attendant may use to apply the brakes to reduce speed whilst in motion. On the other models, the brakes should be used as parking brakes when the wheelchair is stationary.

9. Operation and Propulsion



Before Using the Wheelchair read the safety notices below:

- Use slow speeds on gradients. Do not exceed the maximum gradient stated.
- The wheelchair is only suitable for single occupancy.
- Keep your feet on the footplates when moving. Do not stand on the footplates.
- Do not use escalators.
- Do not reverse down a gradient
- Maintain proper balance at all times. Users should not move their centre of gravity out of the seating area.
- Do not reach for items further than your arm will extend.

- Be aware of hazards in your environment, such as narrow doorways, steps, household appliances, children's toys, etc.
- We recommend you consult your healthcare professional for advice about transferring to and from the wheelchair. The parking brakes should always be applied when transferring.
- The wheelchair brakes and parking brakes are not suitable for slowing the wheelchair down.

• Propulsion

- The TC001, TC002 and LAWC002 can only be propelled by an attendant. The LAWC001 wheelchair can be manually propelled by either the wheelchair user or an attendant.

- If an attendant is propelling the wheelchair, they should push using the push handle.

If the user is propelling the wheelchair, they should use the handrims attached to the rear wheels (LAWC001 only). The user can slow the wheelchair by applying pressure to the handrim using their hands. The wheelchair should not be user propelled in scenarios where the user cannot stop the wheelchair promptly and comfortably.

10. Tyre Pressure and Inflation

This section is not applicable to the TC001 or TC002, as they come with solid tyres only.

The tyres should be inflated with a manually operated pump and use a standard car tyre air valve (Schrader valve). Note that under no circumstances should a powered or compressed air pump be used. The tyres should be inflated for optimum user comfort and wheelchair ease of use. However, do not exceed the maximum pressure stated on the side wall of the tyre. This may differ slightly between tyres, but is typically:

- 65psi (4.5bar) for 24" self propel wheels
- 40psi (2.8bar) for 12½" transit wheels

Always refer to the maximum pressure stated on the tyre

11. Care and Maintenance

- Before each use of the wheelchair, the brakes and tyre pressures should be checked.
- The wheelchair should be stored in a dry environment, away from direct sunlight. When in storage the wheelchair can be folded up
- The wheelchair should be kept clean and dust free. This can be done with a duster or damp cloth.
- The wheelchair comes with a toolkit to perform simple maintenance tasks and most common adjustments.
- The user should routinely check the following items. It is recommended that a Medicare Technology dealer services the wheelchair annually, where these items should be repaired, replaced, adjusted and/or lubricated if required:
 - Tyre pressure
 - Tyre wear
 - Wheel bearings
 - Castors
 - Brakes
 - Legrest locking mechanism
 - Seat upholstery
 - Back upholstery
 - Arm pads
 - Rear wheel quick release pin
 - Half folding back mechanism
 - Back posts
 - Wheelchair (folds up)

12. Specification

	LAWC001	LAWC002
Dims *1 (LxWxH)	106 x 61 x 90cm 41¾" x 24" x 35½"	96 x 55 x 91cm 38" x 21¾" x 36"
Dims *2 (LxWxH)	71 x 24 x 70cm 28" x 9½" x 27½"	66 x 29 x 74cm 26" x 11½" x 29"
Seat (WxDxH)	46 x 40 x 48cm 18" x 15¾" x 19"	46 x 40 x 48cm 18" x 15¾" x 19"
Wheel Spacing: 43cm / 17"		
Weight *1	14.5kg / 31.9lb	12.4kg / 27.3lb
Weight *2	8.5kg / 18.7lb	8.5kg / 18.7lb
Max User Mass (weight capacity): 115kg / 18 stone		

All dimensions are based on the wheelchair in its default configuration.

Dimensions *1 refers the wheelchair assembled

Dimensions *2 refers to the wheelchair folded and parts removed

Weight *1 is the total weight

Weight *2 is the weight without removable components

	TC001	TC002
Dims *1 (LxWxH)	94 x 53 x 93cm 37" x 21" x 36½"	87 x 56 x 90cm 34¼" x 22" x 35½"
Dims *2 (LxWxH)	64 x 26 x 73cm 25¼" x 10¼" x 29"	56 x 23 x 72cm 22" x 9" x 28½"
Seat (WxDxH)	46 x 40 x 48cm 18" x 15¾" x 19"	48 x 39 x 46cm 19" x 15½" x 18"
Wheel Spacing: 43cm / 17"		
Weight *1	11.2kg / 24.7lb	8.6kg / 18.9lb
Weight *2	8.8kg / 19.4lb	7.4kg / 16.3lb
Max User Mass (weight capacity) : 115kg / 18 stone		

All dimensions are based on the wheelchair in its default configuration.

Dimensions *1 refers the wheelchair assembled

Dimensions *2 refers to the wheelchair folded and parts removed

Weight *1 is the total weight

Weight *2 is the weight without removable components



Warning:

Do not exceed the weight capacity stated above. Failure to do so could result in damage or injury.

13. Warranty

There is a comprehensive twelve-month warranty from the date on which your new wheelchair is delivered. The warranty covers the wheelchair for repairs or replacement during this period. For more detail, please see the warranty conditions overleaf:

- Any work or replacement part installation must be carried out by an authorised Medicare Technology dealer / service agent.
- To apply the warranty should your wheelchair require attention please contact the outlet from which you purchased the wheelchair.
- Should any part of the wheelchair require repair or full or part replacement, as a result of a manufacturing or material defect within the warranty period, parts will be supplied free of charge. Note: The guarantee is not transferable.
- Any repaired or replaced parts will be covered by the balance of the warranty period on the wheelchair.
- Parts replaced after the original warranty has expired will be covered by a three-month warranty.
- Consumable items supplied will not generally be covered during the normal warranty period unless such items require repair or replacement clearly as a direct result of a manufacturing or material defect. Such items include (among others): upholstery and tyres.
- The above warranty conditions apply to brand new wheelchairs. Second-hand wheelchairs supplied directly by Medicare Technology carry a six-month warranty period. If you are unsure whether your wheelchair is covered contact your dealer.
- Under normal circumstances, no responsibility will be accepted where the wheelchair has required assistance as a direct result of:
 - the wheelchair part not having been maintained in accordance with the manufacturers recommendations
 - failure to use the manufacturer's specified parts
 - the wheelchair or part having been damaged due to neglect, accident or improper use
 - the wheelchair or part having been altered from the manufacturer's specification or repairs having been attempted before the dealer is notified
- The frames on Enigma aluminum wheelchairs have a five-year warranty.

In the event of your wheelchair requiring attention, please contact your service agent / dealer and give all relevant details so they can act quickly.

The manufacturer reserves the right to alter without notice any weights, measurements or other technical data shown in this manual. All figures, measurements and capacities shown in this manual are approximate and do not constitute specifications.

Other Products in the Medicare Technology Range include:



medicaretechnology
LIMITED



Please contact your local Medicare Technology Dealer for a catalogue.

Medicare Technology Ltd,
Ainley's Industrial Estate,
Elland, West Yorkshire HX5 9JP.
Tel: 01422 314488
Email: enquiries@medicaretechnology.com
Web: www.medicaretechnology.com

**DEALER
STAMP**