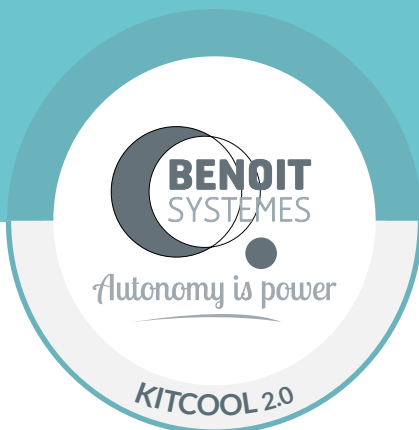


USER INSTRUCTIONS, SERVICING & MAINTENANCE MANUAL

KITCOOL 2.0

Read this manual BEFORE using this accessory
and keep for future reference



Edition May 2022

STAMP AND SIGNATURE
OF DEALER



LABEL
SERIAL NO.



GENERAL REMARKS

FOREWORD

This Servicing & Maintenance Manual contains essential information about handling the product. To ensure the product is used completely safely, read this manual carefully and follow the safety instructions.


Benoit Systèmes works continually to develop its products and reserves the right to modify product specifications without prior notice.

Failure to follow these instructions can cause personal injuries, damage equipment and harm the environment.

Advice to users and/or patients: any serious incident occurring in relation to the equipment must be reported to the manufacturer and to the competent authority of the Member State in which the user and/or patient is based.

Quality is a fundamental element of operations at *Benoit Systèmes*, which is ISO 9001-certified.

As manufacturer, *Benoit Systèmes* declares that KITCOOL 2.0 complies with Regulation (EU) No 2017/745 on medical devices.

 Please avoid using KITCOOL 2.0 before receiving instructions about the equipment from an approved dealer.

For any question about the use, servicing or safety of your equipment, contact your dealer. If you have any other questions, you can write to or telephone:

Benoit Systèmes, 7 rue du Pont, 21450 Billy-lès-Chanceaux, France

Tel: +33 (0)3 80 96 51 25

contact@benoisystemes.com

INTENDED USE

KITCOOL 2.0 is an innovative, removable and ergonomic headrest designed to be fitted to manual wheelchairs to offer users, whenever they want it, the most ideal position for relaxation and comfort that the body needs.

Users can, simply by tipping, put themselves into a position tipped backwards. In this way, users can change position as often as they wish without having to perform a transfer.

Folding, lightweight and small, it can be taken everywhere and is easy to store.

3 adjustment points to adjust the equipment perfectly to each person's body shape and disability:

- Adjust the inclination of the headrest: it is tipped and positioned to make the head perfectly comfortable.
- Adjust the height of the headrest cushion: its rolled shape and its double curve hold the head in an adjusted position, without tension in the neck muscles.
- Adjust the degree to which the wheelchair tips backwards, using a telescopic vertical axis.

Simple, ergonomic and light, KITCOOL 2.0 is fitted between the handles of the manual wheelchair, without damage or altering the wheelchair specifications.

KITCOOL 2.0 therefore provides the advantages of a comfort wheelchair that allows a downward sloping position, while also keeping the characteristics of a simple, folding, lightweight manual wheelchair.

INDICATIONS

KITCOOL 2.0 is intended for users who have appropriate posture and behaviour to safely use the device in the best conditions. Unlike able-bodied people who spend less time sitting down and have a broad choice of chairs offering positions to relax and rest, people in wheelchairs, for whom transferring chair is never easy, don't have the same options and have to suffer the inconvenience of a sustained and prolonged seated posture.

KITCOOL 2.0, with its reclining function and ideal ergonomic adjustment, overcomes this unfairness by offering greater comfort and well-being to people in manual wheelchairs and therefore fits into a therapeutic and compensation strategy for the disability.

Compatible with all manual wheelchairs fitted with handles, KITCOOL 2.0 is adapted to situations requiring compensation for independence, comfort and transfer functions for disabled people affected by severe and long-term disabilities. Its design is dictated exclusively for use by a disabled person.

From a therapeutic viewpoint, KITCOOL 2.0 reduces conditions related to prolonged seated posture:

- Relieves the back and nape of the neck: the head is held; the shoulders are straightened; neck and shoulder muscles are relaxed; the spine is supported.
- Opens the thoracic cage: breathing and swallowing are aided. KITCOOL 2.0 position restores the head to a more favourable position, because a head tilted strongly forward impedes breathing and swallowing.
- Prevents and reduces bedsores: pressure on the ischia is reduced by 30% to 40% and the maximum pressure point is moved.
- Eases tension: with better distribution of body weight, the body is relieved.
- Improves blood circulation and venous return: the legs are no longer swollen.

SERVICE LIFE

Benoit Systèmes considers the service life to be five years as long as the product is used for its intended purpose and instructions for use, safety and maintenance are followed. However, this service life can be exceeded when the product is serviced and maintained carefully and used cautiously, appropriate to its technical specifications. The service life may also be considerably shortened following extreme or inappropriate use. The service life set by our company does not constitute an additional guarantee.

REGULATIONS

KITCOOL 2.0 is a Class I medical device that meets the performance and safety requirements of Regulation (EU) No 2017/745 on medical devices.

SYMBOLS USED IN THIS MANUAL

In this manual, hazard statements are indicated by symbols. These symbols are accompanied by a warning indicating the risk level.

WARNING

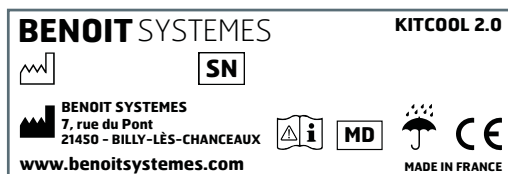
Indicates a dangerous situation that, if not avoided, is likely to cause severe or even fatal injuries.








CAUTION

Indicates a hazardous situation that, if not avoided, is likely to cause minor or slight injuries.

 Gives advice, recommendations and useful information for efficient, problem-free use.

MEANING OF SYMBOLS APPEARING ON THE LABEL



	Read the instructions for use carefully indicates the need for the user to read the operating and safety instructions carefully.
	Date of manufacture DD/MM/YYYY
	Serial number The serial number of the actuator is located on the bottom of the actuator where the battery is inserted.
	Keep dry
	CE marking in accordance with Annex V of the European Regulation 2017/745/CEE
	Manufacturer
	Medical device

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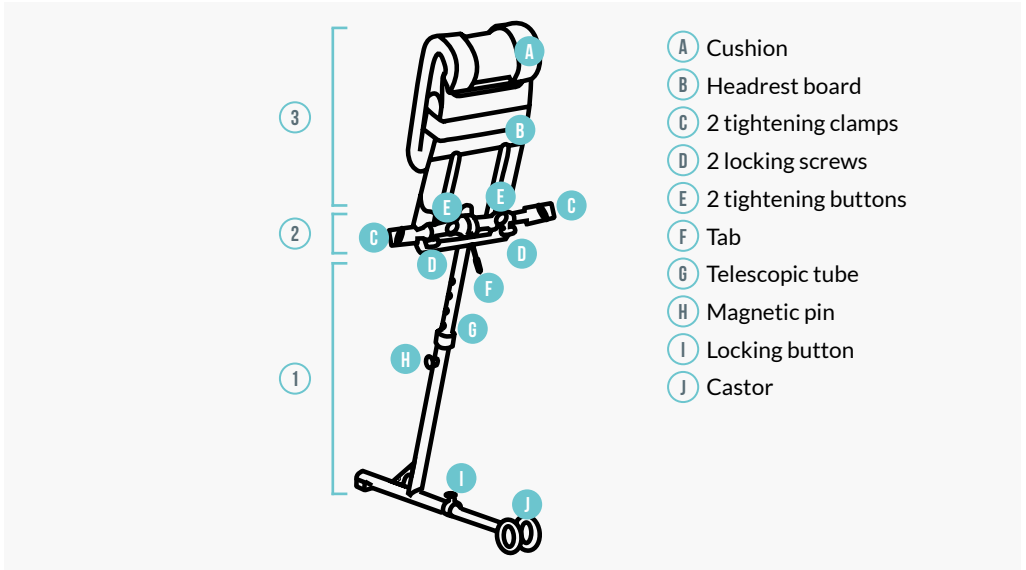


KITCOOL 2.0 FEATURES

⚠ WARNING

This accessory must not be modified without the manufacturer's authorisation.

OVERVIEW OF KITCOOL 2.0



COMPONENTS



KITCOOL 2.0 is made up of several components:

- 1 A base
- 2 An upper Tee
- 3 A headrest fitted with a foam-padded cushion (rolled shape and double curve)

TECHNICAL SPECIFICATIONS

Weight of the equipment	3.7 kg
Colour of tubes	Black
Size when folded	60 cm x 46 cm x 10 cm
Compatible seat width	from 26 cm to 52 cm

HEADREST

Board	Beech	
Cushion fabric	Veltosuede - 100% polyester Trevira CS.	
Colour	Soupçon 701	
Fire reaction	Inherently permanent flame retardant 	
Fire classification	M1, B1, BS 5852:2006 source 5 (Crib 5), BS EN 1021 part 1&2:2014	



INSTALLATION AND ADJUSTMENT

WARNING

Before use, check that your KITCOOL 2.0 is compatible with the width of your wheelchair's seat. There are two models (standard from 36 cm to 52 cm / mini from 26 cm to 35 cm).

CAUTION

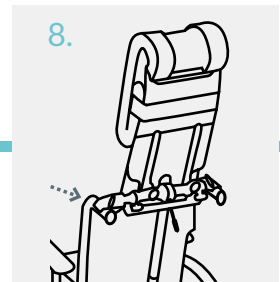
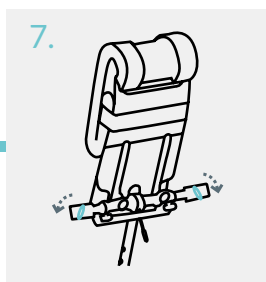
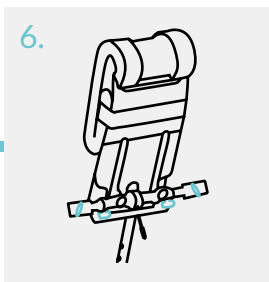
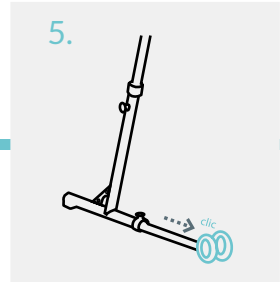
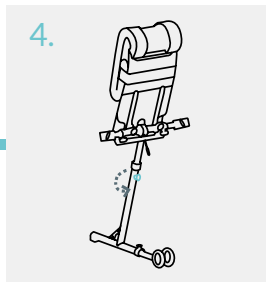
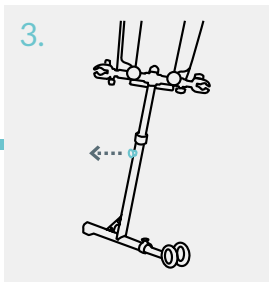
When using the product for the first time, we recommended that your approved dealer explains configuration of the accessory and makes the adjustments with you!

INSTALLATION STEPS

Installation without tools (no drilling)

If you have a KITCOOL 2.0 W/O HEADREST or KITCOOL 2.0 Mini W/O HEADREST, you can skip step 2.

1. Take KITCOOL 2.0 out of the box
2. Straighten the headrest until it locks into place with a click
3. Lift the magnetic pin
4. Swivel the base a $\frac{1}{4}$ turn, putting the tab on the side of the castor, then put the magnetic pin in the 1st or 2nd hole
5. Put out the castor to the stop and listen for the click, it is securely locked
6. Loosen the 2 clamps and 2 screws
7. Open the locking clamps wide
8. Fit and centre on the handles of the wheelchair. The headrest must be aligned with the wheelchair



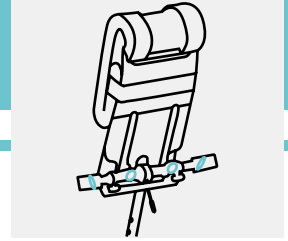


You can use the graduations marked on the tubes to guide you.

⚠ Caution: never go past zero

9. Lock the 2 clamps and 2 screws

KITCOOL 2.0 is installed, now you can sit in the wheelchair and tilt the chair back to relaxed position.



For a better comfort in reclining position, make sure wheelchair brakes are on.

3 ADJUSTMENT POINTS

TILT ADJUSTMENT

To increase or reduce the tilt angle:

- Undo the magnetic pin and adjust the telescopic tube. The higher you raise it, the greater the tilt angle.

ADVICE

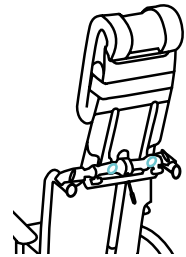
① Start by lowering the tube as far as possible and then raise it until you find the best angle. For optimum, we recommend a minimum distance of 18 cm between the base of Kitcool and the floor, in sitting position. The distance is given on an indicative basis and depends on the wheelchair settings.

HEADREST ADJUSTMENT (FOR KITCOOL 2.0 AND KITCOOL 2.0 MINI)

- Adjust the headrest by loosening the tightening buttons



If you fold the headrest down and then straighten it again, the adjustments are retained!



CUSHION ADJUSTMENT (FOR KITCOOL 2.0 AND KITCOOL 2.0 MINI)

- Undo the Velcro strip and make a fold in the bottom of the cushion, then reposition the Velcro strip to hold it all
- Adjust the position of the cushion



Correct adjustment at shoulder level is ideal!

10. Once the adjustments have been done, tighten all the screws!

Then you can use **KITCOOL 2.0**.

ADVICE

① The final position should be completely comfortable; if not, this means the adjustments are incorrect.

You can then repeat some adjustments to find the ideal position.

GETTING AROUND ABOUT WITH KITCOOL 2.0

To get around with KITCOOL 2.0 installed on the wheelchair:

- Retract the rear castor so as not to interfere with movement
- Fold the headrest by pulling the tab

STORING KITCOOL 2.0

- Retract the rear castor
- Fold the headrest by pulling the tab
- Unscrew the tightening clamps
- Take KITCOOL 2.0 off the wheelchair
- Remove the magnetic pin and rotate the telescopic tube 90°
- Insert the magnetic pin into the hole provided

CAUTION

Check that the removable parts of the accessory are securely attached or separately packed and labelled to avoid them being mislaid during loading or unloading. Take this manual with you.

WARNING

Do not store your accessory:

- Outdoors
- Close to a direct heat source
- In a damp environment

CARE AND MAINTENANCE

CAUTION

It is important to follow the servicing and maintenance programme for the accessory to keep it in good condition.

WARNING

If you're not sure you can service your accessory yourself, contact your approved dealer.

CUSHION MAINTENANCE



Clean the cushion regularly with a damp cloth.

Never use abrasive or alcohol-based detergents.

Remember to wipe the accessory if it gets wet or damp during use and to dry your cushion before putting it into storage.

WASTE MANAGEMENT

Preserve the environment by recycling this product at a recycling centre at the end its life.

Waste should be managed in accordance with the appropriate legal requirements in force. Ask your local authority for information about suitable local firms.

SAFETY AND DANGER INSTRUCTIONS

GENERAL SAFETY INSTRUCTIONS

- The equipment must be used in accordance with the manufacturer's instructions. It must not be used for a purpose other than that for which it is designed. Pay special attention to the safety instructions.
- Arrange a test session with a healthcare professional on correct use of the equipment
- Do not smoke while using this accessory
- Storing or using the equipment close to a naked flame or flammable products can result in damage to the equipment or serious injuries.

SAFETY INFORMATION ABOUT INSTALLATION

- Before use, ensure that it is adjusted using the settings defined during the installation procedure.
- After any adjustment, repair or servicing and before use, ensure that all the fastenings are fitted and suitably tightened.
- Inadequately tightened or missing fastenings can cause instability, resulting in damage to the equipment or serious injuries.
- Ensure all screws are fully tightened.
- Pinch points can arise when making adjustments: mind your fingers.
- The castor must be extended and locked before tipping the wheelchair backwards.

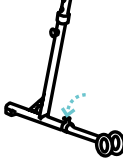
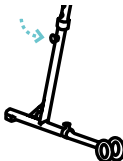


SAFETY INFORMATION ON CARE AND MAINTENANCE

- Your approved dealer should repair or replace loose, worn, distorted or damaged parts before using the accessory.
- For example, if you find a defect in the accessory or a significant change during use, stop using it immediately and contact your approved dealer.
- Do not perform any maintenance task other than those described in this user manual. These repairs or servicing **must** be carried out by a qualified technician. Contact a *Benoit Systèmes* dealer or technician.
- For safety reasons and to avoid accidents related to unnoticed past wear, it is vital that this accessory should be checked regularly under normal use conditions.

SAFETY INFORMATION ON MODIFICATIONS TO THE APPLIANCE

- Using or replacing unsuitable parts is liable to result in injuries or damage to the equipment.
- Use only original *Benoit Systèmes* parts
- Ensure you always quote the serial number of the accessory when you order spare parts.
- Using accessories or parts not approved by *Benoit Systèmes* may alter the stability of the equipment to tipping.

TROUBLESHOOTING

SUB-ASSEMBLY	SYMPTOM	POSSIBLE CAUSE	SOLUTION
1/ BASE	<p>The castor doesn't lock in the unfolded position.</p> 	<p>The tube is not sufficient extended or badly positioned. The lock no longer works.</p>	<p>Align the castor correctly with the base Check or replace the locking button.</p>
	<p>The magnetic pin doesn't fit properly.</p> 	<p>The pin is not correctly aligned in the holes provided. The pin is twisted.</p>	<p>Align the pin correctly in the tube adjustment holes. Check the condition of the pin, replace it if necessary.</p>
2/ UPPER TEE	<p>The headrest position doesn't lock.</p> 	<p>The headrest is not centred on the horizontal tube. The tab is damaged.</p>	<p>Centre the headrest by loosening the clamps. Change the tab.</p>
	<p>The tube from the base has too much play relative to the headrest.</p>	<p>The fastening screws are loose.</p>	<p>Check tightening of the fastening screws.</p>
3/ CLAMP	<p>The clamp doesn't tighten (the screw doesn't bite or jumps when turning the tightening button).</p> 	<p>The button has separated from the adjusting screw. The lower part of the clamp is disengaged. The tightening clamp or screw are worn.</p>	<p>Reglue the tightening button to the screw. Tilt the lower part of the tightening clamp before screwing it on so that the screw engages. Replace worn components.</p>
	<p>Play between the clamp and horizontal tube is excessive.</p>	<p>The fastening screws are loose.</p>	<p>Check tightening of the retaining screw and/ or internal tightening screw</p>

This troubleshooting guide is only for guidance seen, please contact your approved *Benoit Systèmes* dealer or our after-sales service: sav@benoisystemes.com

GUARANTEE

The guarantee period for KITCOOL 2.0 is **24 months from the date on the invoice**.

To make a claim against the guarantee, just make a note of the **serial number of your equipment** shown on the first page of this manual and **contact your approved dealer or Benoit Systèmes**.

You can also find the serial number right under the base.

TERMS & CONDITIONS

The guarantee is only valid if the product is used under the specified conditions and for the use for which it is designed.

The guarantee may not be applied if the product requires repair or replacement for one of the following reasons:

- a) The accessory, or one of its parts, has not been maintained according to the manufacturer's recommendations, as stated in the Servicing & Maintenance Manual, or parts other than those specified for this equipment have been used.
- b) The accessory, or one of its parts, was damaged as a result of negligence, an accident or inappropriate use.
- c) The accessory, or one of its parts, has been converted or a repair made before having notified the after-sales service department.

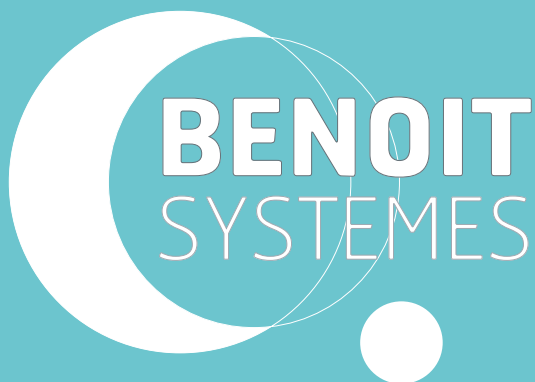
This guarantee is limited to the free-of-charge repair or replacement of parts recognised as faulty in the manufacturer's workshops or those of its representative (including labour and carriage). This repair may be performed using new parts of standard exchange parts, depending on the assessment made by the manufacturer or its representative.

Work carried out under the guarantee does not extend the guarantee.

LIMITS OF LIABILITY

Benoit Systèmes declines all liability for damaged related to:

- Failure to comply with the Servicing & Maintenance Manual
- Incorrect or improper use of the accessory
- Normal wear and tear
- Inappropriate storage of the equipment
- Incorrect assembly or dismantling by the purchaser or other parties
- Technical modifications on the accessory
- Unauthorised modifications and/or use of spare parts not manufactured or recommended by *Benoit Systèmes*.



Autonomy is power



Graphic design: EcolINK - May 2022 -
Photos: Lionel Dupouy



KITCOOL 2.0 complies with the Regulation (EU) 2017/745 on medical devices. This product is a Class I medical device.



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