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INSTRUCTIONS FOR OPERATING AND USING

Please read the user manual before using the product. It contains all the necessary instructions for general use and maintenance. Please reach the manual to the nursing staff responsible for the use of the bed and inform them off the risks encountered in the use of "T 8050 & T 8060 – 4 Motor Electronic ICU Bed".

1. SYMBOL MEANINGS AND THE DESCRIPTION OF CONTROL COMPONENTS

a. Symbols and Their Meanings

Some symbols are applied in this manual for a better understanding of the instructions.

These symbols are specified below:

a.1. Meaning of the symbols



This symbol means warning/caution and used for the safety of the patient or the user

a.2. General Symbols

Attention!!! Consult accompanying documents



Alternative Current



Direct Current



Type B Applied Part



Equipotentiality



Protective Earth (ground)



b. Description of the main components

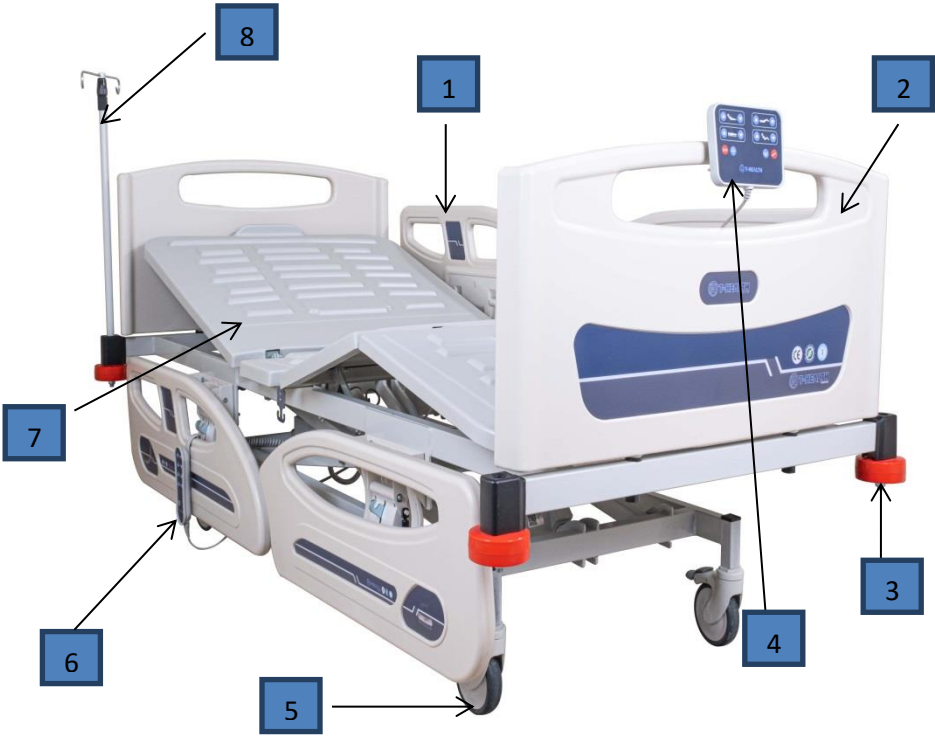


Figure 1: Description of main the components

1.	Side-Rails
2.	Head Board
3.	Protective Corner Bumper
4.	Foot-End Nurse Control Panel
5.	Castors
6.	Wired Hand Remote
7.	Detachable ABS Mattress Platform
8.	Height Adjustable IV Pole

2. OPERATING INSTRUCTION FOR “T 8050” & “T 8060” – 4 MOTOR ELECTRONIC ICU BED”

At the beginning lock all the castors after positioning bed. Make sure that the bed and the accessories are at room temperature. When you are sure about the cleanliness and the disinfection of the bed, follow the rules below to locate your bed as you wish by opening the control panels.

1st step

Connect the bed to 110-120V / 50-60Hz 15A power socket and check panel's LED light for lit. If there is no lit, please check the socket. Power can be checked pressing any button on control panel.

Please confirm with specialists if your electricity network is compatible with power requirements of the product, 110-120V / 50-60Hz 15A.

2nd Step

Press ON/OFF button on control panel located at side rails of the bed to activate it

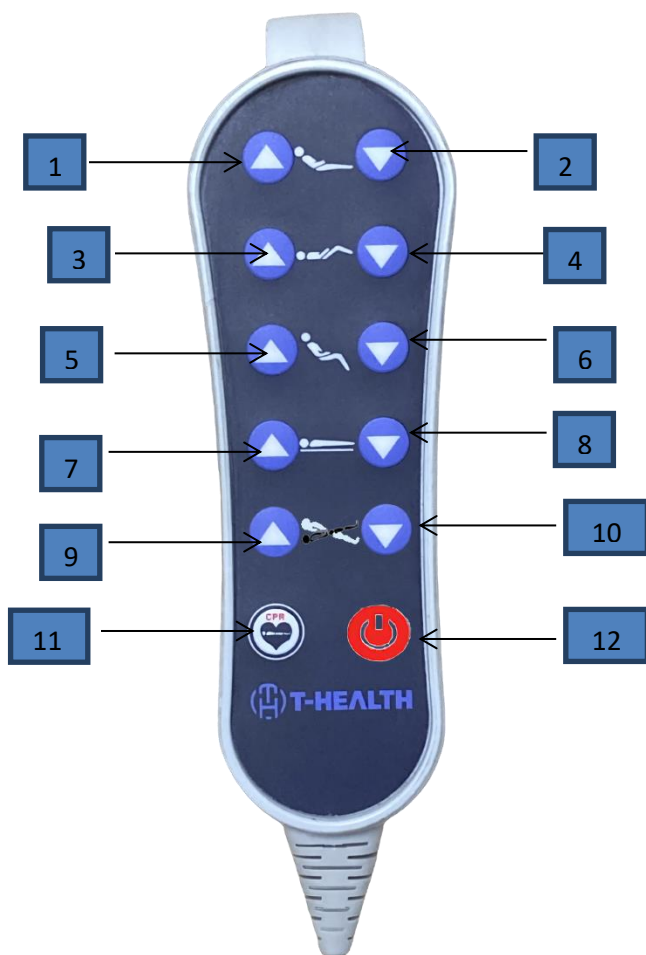


Please make an assessment of risk including the following titles before putting the patient into the bed.

- ✓ Entrapment risk
- ✓ Possibility of falling from the bed
- ✓ Patients are thoroughly informed on how to use the bed
- ✓ Curious patients
- ✓ Children
- ✓ Mentally handicapped patients
- ✓ Unauthorized people

When there is a possible of a risk, the functions of the bed should be locked out. (Deactivating its functions)

3. USING THE CONTROL PANEL



1. Backrest Up	7. Bed Height Up
2. Backrest Down	8. Bed Height Down
3. Foot-Rest Up	9. Reverse Trendelenburg
4. Foot-Rest Down	10. Trendelenburg
5. Auto-Contour Up	11. Electronic CPR
6. Auto-Contour Down	12. Function Lock

1. For the upward movement of the "backrest" of the bed, press the "backrest up" button until the bedstead reaches the desired height.
2. For the downward movement of the "backrest" of the bed, press the "backrest down" button until the bedstead reaches the desired height.
3. For the upward movement of the "foot-rest" of the bed, press the "foot-rest up" button until the bedstead reaches the desired height.
4. For the downward movement of the "foot-rest" of the bed, press the "foot-rest down" button until the bedstead reaches the desired height.
5. To raise the backrest and foot-rest simultaneously (auto-contour), press the "auto-contour up" button until the bedstead reaches the desired height.
6. To lower the backrest and foot-rest simultaneously (auto-contour), press the "auto-contour down" button until the bedstead reaches the desired height.
7. For the upward movement of the "mattress platform" of the bed, press the "bed height up" button until the bedstead reaches the desired height.
8. For the downward movement of the "mattress platform" of the bed, press the "bed height down" button until the bedstead reaches the desired height.
9. For the reverse Trendelenburg motion of the bed, push and hold the reverse Trendelenburg button on the hand control unit until the bed slope comes to the desired level.
10. For the Trendelenburg motion of the bed, push and hold the Trendelenburg button on the hand control unit until the bed slope comes to the desired level
11. For the electronic CPR position of the bed, push and hold the CPR button on the hand control unit until the bed comes to the zero level (zero height and all sections are flat).
12. For the lock all buttons on the hand control unit push function lock button. To reactivate the buttons push the function lock button again.

- ATTENTION! –

Before using the bed functions (bedside, footrest, height, Trendelenburg, reverse Trendelenburg, shock, fowler, CPR, etc.), make sure that there is nothing (any object, cable, accessory) under the bed. Otherwise, severe injuries, loss of life and material damage may occur.

- ATTENTION! -

In the cases of haemodynamic trauma or severe respiratory distress, the lack of Trendelenburg and Shock status can endanger patient health. Trendelenburg, reverse Trendelenburg, shock and CPR should only be operated by qualified and trained persons (nurses, caregivers, etc.).

The patient should never be left unattended when the bed is in Trendelenburg, reverse Trendelenburg and shock position.

4. TRANSFER OF THE BED

When there is a patient on the bed, side rails must be definitely locked at the upmost position.



To be able to transfer it easily, set the bed to Examination and Transfer position. Make sure that the accessories (such as IV pole) won't pose an obstacle while passing through doors, etc.



During the transfer of the bed, pay attention that the bed and the accessories (such as IV pole) won't crash anywhere. Otherwise, damage to the bed or its components may occur.

4.1. Transfer Instructions

1st Push Examination and Transfer button on the Control panel

2nd Deactivate the bed by using Panel On/Off button

3rd Plug out the power cord.

4th Release the brake pedal.

5th Locate the bed to its new place, press the brake pedal and plug the power cord to the wall outlet and the bed is ready to use.

During the transfer the bed;	During the storage of the bed;
It must be in the lowest position,	It must be in the lowest position,
Its electrical functions must be switched off,	Its electrical functions must be switched off,
Casters must be free or the direction must be locked and moving parts must be fixed	It must be locked and moving parts must be fixed
It must be protected against liquid input.	It must be protected against liquid input.
Ambient temperature must be between - 10° and +50°	Ambient temperature must be between - 10° and +50°
Relative Humidity must be %20 to %80 (30°)	Relative Humidity must be %20 to %80 (30°)
Atmospheric pressure must be between 500hPa and 1060hPa	Atmospheric pressure must be between 500hPa and 1060hPa



- ATTENTION! -

Beds must NOT be stored or transported as one on the top of the other.

5. USING MANUAL FUNCTIONS OF “T 8050” & “T 8060” ICU BED

5.1. Using of Side Rails

There are two side rails in the “T 8050” & “T 8060” ICU bed. Side rails are designed to help patients reduce the risk of accidentally falling off the bed.

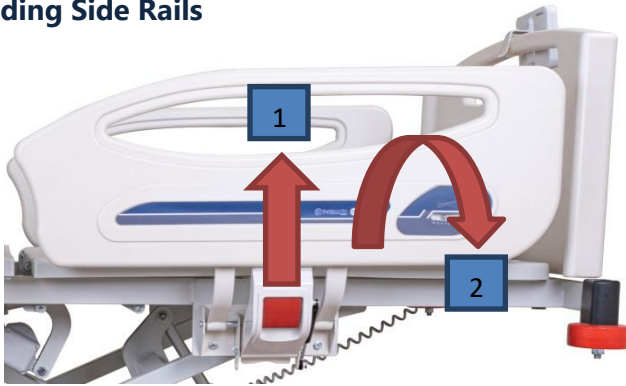
- ATTENTION! – 

When moving the side rails, make sure that it runs smoothly. If it does not move easily, if it is difficult to move, please do not force it to move.

Using a mattress thicker than specified may reduce the effectiveness of side rails in preventing falls. In this case, the patient should be monitored closely. For problems arising from the use of mattresses that do not comply with what we recommend in this booklet, T-HEALTH does not accept any responsibility.

When the patient is on the bed, the side rails must be locked in the top position. In case patients have different behavioral disorders (agitation, mental confusion, loss of direction, weakness, etc.) and if the patient is not monitored closely - or on the monitor - patient safety must be ensured in accordance with the rules. When there is an unconscious patient on the bed, tie the patient to the bed with a tie strap.

a. Hiding Side Rails

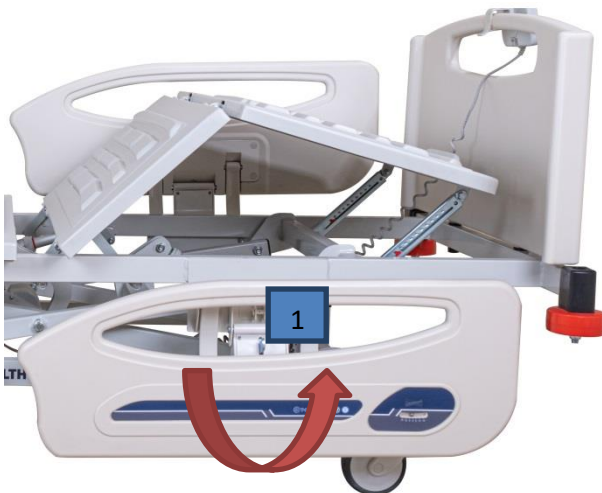


1. Pull up the side guard the unlock lever upwards as shown in the figure 1.

2. After side guard level pulled, the side-rail will be slid downwards itself as shown by the arrow in the figure 2 above thanks to the gas-spring mechanism.

*** The lock/unlock lever does not have to be pulled during the movement. The railing should be released when it is free.**

b. Exposing Side Rails



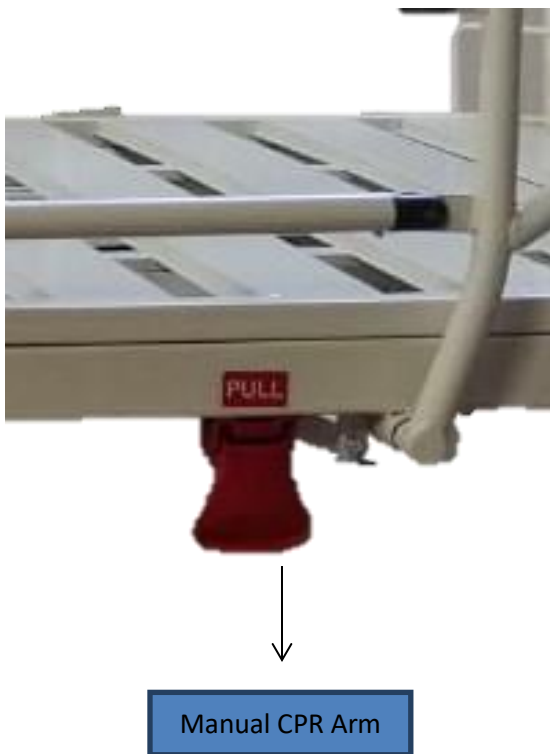
1. Pull the side-rail slightly upwards as shown by the arrow in the figure 3 above and ensure it is seated in the lock slot in the top position.

5.2. Using of Manual CPR

With the manual CPR feature on the bedside motor in emergency situations, you can quickly and smoothly lower the bedside part of the bed. With the manual CPR system, the bedside section can be lowered regardless of the position of the bed.

If you need to lower the headrest in case of power failure, you can use the manual CPR arms on both sides of the bed to lower the bedside section.

Pull the manual CPR arm towards you as shown in the figure below. The bedside will come down automatically.



- ATTENTION! - 

Do not use the manual CPR feature to raise the back of the bed. When using the manual CPR feature, make sure there are no obstructions under the back of the bed. Use the manual CPR feature only in emergencies.

5.3. Assembly of Head & Foot Boards

There are two headboards in the bed. One of them is at the back side and the other at the foot.

The headboards are designed to protect the patient lying on the bed from environmental effects and to increase the comfort. Heads can be easily attached and removed when required. To remove the headgear, it should be pulled upwards by holding the upper part of the headgear as shown in the figure below. To replace these easily removable caps; It can be mounted by holding the headgear from the top of the head, adjusting the header legs to enter the headrest foot socket, and pressing it slightly from top to bottom.



- ATTENTION! - 

Head & foot boards should not be used as handles for bed transfer. During the transfer, you can remove the headers and hold them from the profile.

5.4. Individual (Diagonal) Castor Locking Mechanism



Figure a



Figure b

Figure a – If the brake pedal position is like in the figure a; none of the castors are locked. In this case, you can move the bed in every position you want.

Figure b – Press the brake pedal and obtain the position like in the figure b to lock the castor individually.

- ATTENTION! - 

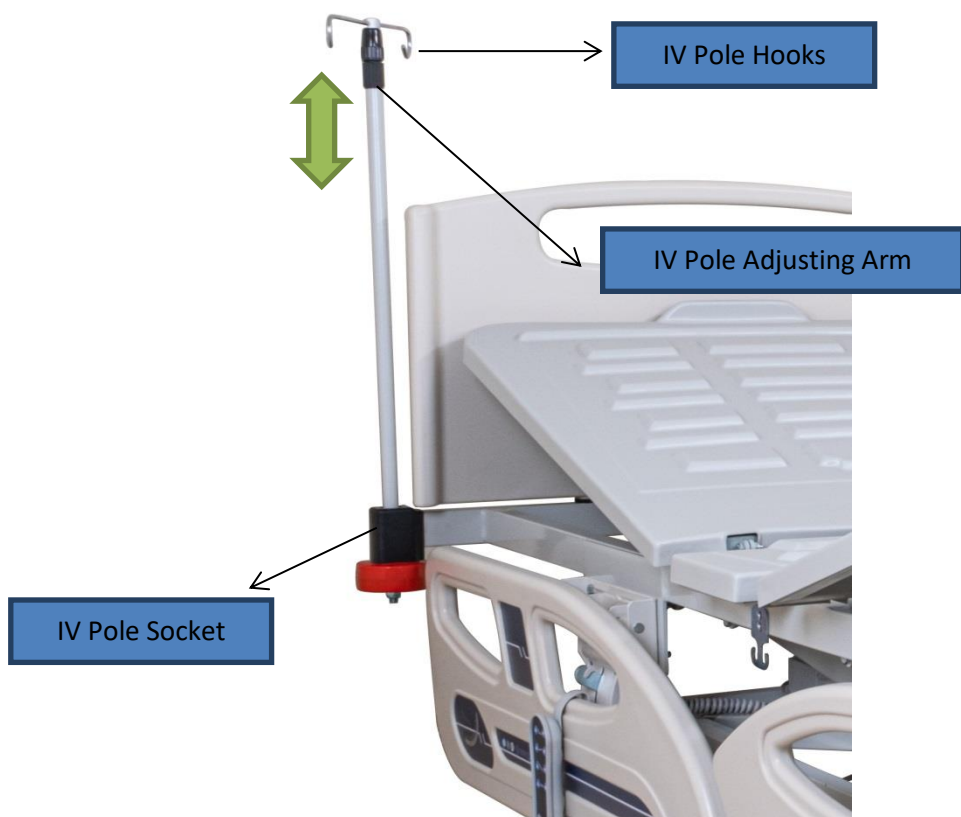
If the wheels are not completely locked while the patient is climbing or getting out of the bed, the patient may fall into danger. To avoid such a situation, lock the casters completely before taking the patient to the bed.

Do not try to move the bed while the wheels are in lock position. Otherwise, due to patient injuries and material damages, T-HEALTH does not take responsibility.

6. INSTALLATION AND USING OF THE ACCESSORIES OF "T 8030" & "T 8040" ICU BED

6.1. Adjustable IV Pole

There are IV pole sockets at all corners of the T 8030 & T 8040 ICU Bed. You can fit the IV pole into any of these sockets by pushing it towards the suspension slot. You can adjust the height of the IV pole with the adjustment handle on the IV pole and fix your IV pole at the desired point with the help of the adjustment handle.



6.2. Mattress

Place the mattress provided with the product on the product, matching the fasteners on the upper lying surface.

- ATTENTION! – 

Use mattresses only approved by T-HEALTH. Otherwise, T-HEALTH does not take responsibility.

Using mattresses thicker than the recommended (150 mm) may reduce the efficiency of the railing and cause injuries.

6.3. Drainage Hangers

There are two drainage hanger places on both sides of the bed to attach urine and waste bags in T 8050 & T 8060 ICU bed.

7. CLEANING AND GENERAL CARE OF THE T 8050 & T 8060 ICU BED

As a first step, take the bed to the area to be cleaned and fix it by pressing the brake pedal. Make sure the bed and accessories are at room temperature. All parts used in the product are designed for easy cleaning; plastics (ABS) and PP (Polypropylene) plastic, metal surfaces are painted with electrostatic powder paint. After the patient is evacuated from the bed, follow the steps below to clean and disinfect the bed.

You can remove most drug residues and dirt from the product with the help of neutral soap and warm water using a soft cloth. Do not use harsh cleaners, solvents and detergents.

Avoid the use of steel wool and abrasive materials during cleaning.

Avoid the use of chemicals such as gasoline, diesel oil, acetone, thinner etc. that will damage the plastic structure.

You can use standard household vinyl cleaners and a soft bristle brush at the troublesome parts of the bed.

Clean the bed with a soft, damp cloth and disinfectants specified in the "disinfectants" section. Do not use fluid at a pressure higher than 1 bar.

Dry the bed thoroughly before reuse.

7.1. Disinfectants

Phenolic disinfectants are best suited for bedsteads, but should be in properly diluted quaternary.

Iodophor (iodine-carrying) type disinfectants can cause staining. Treat such stains within 20 minutes with a diluted (1:10) bleach solution.

- ATTENTION! – 

Do not expose the bed to enough moisture that may cause fluid to collect.

Make sure that the bed does not move during cleaning.

Do not use a high pressure hose or any other cleaning tool for cleaning the bed.

Highly concentrated solutions can damage the mattress surface.

You must follow the cleaning and general maintenance procedures outlined in this booklet. Otherwise, the patient may be injured or damage to the bed and its equipment. In addition, the negligence of one or more of these warnings may cause the use of the bed to be prevented and out of warranty.

**** The bed can not be machine washed, only dried.***

7.2. Cleaning Procedure of T 8050 & T 8060 ICU Bed

Lock the wheels of the bed.

Remove the energy of the bed from the network.

Turn the On / Off switch on the control box to Off (valid for T HEALTH units).

To clean the bottom of the bed, remove the bed to the top.

Lift the head and foot part up to the top, this will make it easier for you to access during cleaning.

After doing all these procedures, you can perform the bedstead disinfection.

a. Daily Cleaning:

It is the daily cleaning of the bed surface.

It includes the cleaning of the bed rails, head & foot boards, control panels, bedding surface and side accessories

b. Cleaning that should be done after the patient's discharge:

It is the cleaning that should be done when a new patient is to be taken on the bed.

In addition to the parts made in daily cleaning; cleaning of all plastic materials, side and front surfaces of the bed, electric cables, impact wheels, pedals, lower wheels, motors, shock absorbers, compact bottoms.

7.3. Maintenance

It is necessary to review the engines and moving parts of the bed every 3 months. For this, please check the items written below.

- General functionality of the product
- Cleaning of the product (keep in mind that failure to clean may lead to cross infection risk)
- Use case (moving parts, wheels, motors, etc.)
- Integrity of components
- Integrity of accessories (Are there any signs of wear or wear?)
- Condition of wheels and brake system
- Whether there are any cracks or fractures in the welds, whether any pipe or sheet shows signs of bending or cracks
- Condition of side rails and mechanisms
- Condition of bedside motor, foot motor and height motors
- Condition of bolt and nut parts in moving places

It is recommended that other maintenance work be done by the manufacturer service.

- ATTENTION! – 

If you find an error or inconsistency during maintenance, do not use the bed. In such a case, contact the manufacturer (or vendor) immediately.

7.4. Maintenance Record

This document will be stored for 10 years at the end of the product's service life.

Perform the necessary maintenance throughout the life of the product as specified by the manufacturer in the user manual.

<u>Code and Description of The Product:</u>
<u>Purchase Date:</u>
<u>Serial Number (Barcode Number):</u>
<u>Buyer:</u>

SERVICE DATE	SERVICE TYPE (Maintenance / Inspection / Life Extension)	OPERATIONS ON THE DEVICE	RESULT	SERVICE PERSONEL (Manufacturer / Operator)

7.5. Troubleshooter

PROBLEM	CAUSE	SOLUTION
Bed is not working!	1- There may be no energy input to the bed 2- The power cord may be damaged 3- On / Off switch can be in Off position. (Valid for T-HEALTH unit) 4- Control unit may be malfunctioning.	1- Plug the bedstead into the socket. 2- The power cable should be replaced. 3- Turn the switch to On position. 4- Contact the manufacturer.
One of the motors is not working!	1- The motor cable may be damaged. 2- Motor cable may be out of the control box. 3- Control controller may be defective. 4- The motor may have failed.	1- The motor cable should be repaired or replaced. 2- The power cable of the bed should be unplugged. The sockets on the control box should be checked and replaced if any. 3- The defective control / controls on the bed must be changed. 4- Contact the manufacturer.
Engines are running very slowly!	1- There may be no energy input to the bed (The bed continues to work until the battery is discharged).	1- It should be checked whether there is energy in the socket where the bed is attached. Power cable should be checked.
The control box clicks, but no motors are running!	1- There may be no energy input to the bed (The bed continues to work until the battery is discharged). 2- The main control card may have failed.	1- It should be checked whether there is energy in the socket where the bed is attached. Power cable should be checked. 2- The main control box needs to be changed. Contact the manufacturer.
Some of the buttons on the control panel do not work.	1- The lock button on the control panel can be active.	1- Try the relevant function again by pressing the lock button on the control panel.

7.6. Warranty

SFA Titanyum Medikal İç ve Dış Ticaret LTD. STİ. on behalf of the brand name "T-HEALTH", works according to the principle of continuous improvement and progress. Therefore, the product specifications can be changed without specifying.

Our products are under warranty for **2 (two) years against system manufacturing and assembly faults. From the end of the free warranty period, we accept and undertake that we will carry out annual maintenance and repair for a fee for 10 (ten) years and we will provide spare parts.**

The responsibility of completing the warranty certificate and giving it to the consumer belongs to the seller, dealer, agency or representative offices from which the consumer purchases the goods. This warranty is void if the warranty certificate is tampered with, the original serial number on the product is removed or tampered with.

This warranty given by T-HEALTH does not cover the elimination of malfunctions arising from the abnormal use of the product, and the following situations are also out of warranty:

- Maintenance of mechanical systems, batteries, electrical components and drivers other than authorized persons.
- Damage and failures caused by misuse.

- Damages and failures during loading, unloading and transportation after the product is delivered to the customer
- Using spare parts and accessories of companies or persons not authorized and approved by the manufacturer in the product
- Failure to comply with the specified cleaning and maintenance procedures may cause any use other than the instructions specified in the user manual (cleaning, service, etc.).

7.7. Service Stations

- **Factory: 3. OSB, Kamil Serbetci Blv. No: 56, 27600, Baspinar – Gaziantep / TURKEY**
- **Any authorized distributor / vendor with the personnel who has training certificate provided by “T-HEALTH”**