



**EUROLOFT™ BED LIFT**  
**BY PROJECT 2000**  
**OWNER'S MANUAL**



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## Introduction

The EuroLoft™ Bed Lift by Project 2000 distributed by Lippert, utilizes a unique nylon strap-based system, adaptable to a broad range of RV and heavy truck applications including cabs, living rooms, slide-out rooms and master bedrooms. The straps retract into the bed base, concealing the lifting system in the retracted position, permitting OEMs more floor plan design freedom. The nearly silent EuroLoft system is operated by a single motor that controls four support mounts to raise and lower the bed at 2.3 inches per second. The 800-pound (363kg) capacity system can be customized in both size and configuration to maximize space in any motorhome, towable RV or truck cab floor plan design. The system can even “bend” to conform to wall curvatures found in some motorhome cabs.

Additional information about this product can be obtained from [lci1.com/support](https://support.lci1.com/support) or by downloading the free LippertNOW app. The app is available on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

Apple App Store®, iPhone®, and iPad® are registered trademarks of Apple Inc.

Google Play™ and Android™ are trademarks of Google Inc.

For additional product support go to: <https://support.lci1.com/euroloft-bed-lift>.

**NOTE:** Images used in this document are for reference only when assembling, installing and/or operating this product. Actual appearance of provided and/or purchased parts and assemblies may differ.

## Safety

Read and understand all instructions before installing or operating this product. Adhere to all safety labels.

This manual provides general instructions. Many variables can change the circumstances of the instructions, i.e., the degree of difficulty, operation and ability of the individual performing the instructions. This manual cannot begin to plot out instructions for every possibility, but provides the general instructions, as necessary, for effectively interfacing with the device, product or system. Failure to correctly follow the provided instructions may result in death, serious personal injury, severe product and/or property damage.

### **WARNING**

**Failure to act in accordance with the following instructions may result in death, serious injury or property damage.**

### **WARNING**

**BED LIFTING SYSTEMS, as well as all other devices with operating components, may cause death, serious injury or property damage if improperly used and/or protected.**

### **CAUTION**

**Moving parts can pinch, crush or cut. Keep clear and use caution during assembly.**

## Important Safety Information

- Safety devices shall not be tampered with for any reason.
- It is strictly forbidden to be on the bed lifting system while it is being operated.
- Do not interfere with the bed lifting system while operated, neither with any objects or with hands.
- Before starting the vehicle engine and driving, always make sure the bed lifting system is in its highest position and the safety belts are fastened (excluding garage bed).
- Do not operate the system improperly (e.g. with people on it).
- The bed lifting system shall only be used by adults and responsible staff.
- It is forbidden to use the bed lifting system while the vehicle is running.
- Do not move the bed lifting system if people or animals or items are around, under or on it.
- The bed lifting system must never be used while the vehicle is running.
- It is forbidden to start the bed lift system manually with disconnected wires from motor unit to control unit.
- Should the mechanism not work, do not use the bed and ask for assistance at the next service center.

**NOTE:** Always install the bed lifting system taking into account the system maximum load. The bed unit, as a whole - Including bed lifting system, mattress, pillow, blankets, etc. - must not weigh more than 132 lbs. (60kg)

**NOTE:** The bed lifting system can bear a total maximum weight of 800 lbs (363kg).

## Manufacturer's And Product Identification Data

MANUFACTURER: Project 2000 S.r.l. – Via Vivaldi, 40/A – IT 50041 Calenzano (FI) – VAT an tax No. 05025550483

BED LIFTING SYSTEM SERIES 12600

## Technical Features

Always refer to the identification plate on the product.

## Environmental Features

| Feature                                     | Value    | Unit |
|---------------------------------------------|----------|------|
| Operating temperature                       | -10 - 60 | °C   |
| Storage temperature                         | -20 - 70 | °C   |
| Storage moisture level                      | 90       | %    |
| Environmental operating moisture level      | 90       | %    |
| May be damaged by water due to condensation |          |      |
| Maximum storage time for board: 10 years    |          |      |

## Movement and Transport

The product is dispatched in perfect operating conditions after being tested at our premises.

Packaging type:

- If individually dispatched, the product is packed in a cardboard box.
- For multiple product deliveries, the bed lifting systems will be dispatched on adequately protected pallets.

Transport shall be carried out by a specialized company.

It is necessary to inform the Manufacturer of any possible damage upon arrival of the goods and to make sure the product is perfectly preserved and intact.

Make sure the system has no evident damage and the delivery is complete and write any possible problem on the shipping document and/or invoice.

If the damage is visible, preserve the packaging so that it can be viewed by the transport Company that delivered the system. Contact the transport Company immediately for a damage refund request.

If the delivery does not match with the order, contact the Manufacturer immediately.

Any damage or inconsistency must be communicated timely.

Any possible material inserted as product protection must be disposed of based on their specific features.

Packaging parts may cut, cause injuries or become dangerous if they are not handled with care or improperly used; keep out of reach of children and people who are not in charge of handling the system.

The system was not designed, manufactured and tested to operate in environments other than vehicles, with a high chemical gaseous materials pollution level, such as chlorine, ammonia and similar materials, in environments with a high fire and explosion risk or with a high electric risk.

However, bed lifting systems shall be transported by skilled and authorized staff.

## Prior to Installation

All installation operations shall be carried out by skilled and authorized staff.

Remove the product from packaging.

## Installation

### Mechanical

**NOTE:** Always install the bed lifting system taking into account the system maximum load. The bed unit as a whole - Including bed lifting system, mattress, pillow, blankets, etc. - must not weigh more than 132 lb. (60kg).

**NOTE:** Tab. A and Tab. B images are all located on Page 16 of this manual.

1. Place the system under the bed frame, following the layout example shown in TAB. A - Picture A.1, taking into account the motor revolution direction indicated by an arrow on the plastic support side (TAB. B - Picture B.1). The revolution direction stands for the winding direction of the belts. As a consequence, the shafts must have the same rotation direction.
2. It is very important that the belts winding in one direction are mounted in a parallel way on both shafts; the same applies to the belts winding in the opposite direction (TAB. B - Picture B.2)
3. After mounting the bed lifting system under the bed frame, wind the belts around the shafts taking care of the motor revolution direction and pre-wind the belts at least twice (TAB. B - Picture B.3)

**NOTE:** The four belts must be pre-wound at least twice around the shafts in the bed's lowest position; the same applies to all of the four belts.

4. Place the four belt-fixing plates (TAB. A - Picture A.2) in a suitable position - i.e. the highest position the system will reach - making sure the belts are aligned with the runners and taking care of the minimum distance to be kept between the slider and the belt-fixing plate (TAB. A - Picture A.3) and making sure that it will bear the system maximum load.

**NOTE:** The bed lifting system can bear a total maximum weight of 800 lb. (363kg).

5. Fix the belt-fixing plates with suitable screws (we recommend 4.2x25 screws) in the four slots first, in order to adjust and correct any possible installation defect and then fix all of the remaining screws (TAB. A - Picture A.2)
6. Place the bed frame inside of the vehicle on four temporary supports in order to keep it parallel to the vehicle floor. The temporary supports height must be measured based on the lowest position the bed will reach.
7. Insert the belts into the belt-fixing plates as illustrated in TAB. A - Picture A.2, stretch them and fix the four M6 bolts by cross-screwing. Insert the covers into the belt-fixing plates.
8. Activate the bed lifting system and lift it to the maximum height wished; then make sure the belts are perfectly aligned with the belt sliders.
9. Place the two stabilizer runners by inserting them bottom-up into the stabilizers mounted on one side of the bed (TAB. A - Picture A.4).

**NOTE:** The runners must be mounted on the longest side of the bed and fixed on a suitable supporting bracket with suitable screws so that it will tolerate oscillations caused by the bed lifting system.

10. Fix one screw in the middle channel of the runner (we recommend at least 3.8x20 screws) on the highest position available under the stabilizer.
11. Place the limit switch correctly, making sure the bed locates against it perfectly when it comes to its highest position.

**NOTE:** For bed lifting systems where the highest position is right under the vehicle roof or when the highest position is more than 59" (150cm) from the floor, it is necessary to mount at least 2 opposed safety belts with internal micro-switch with normally closed contact.

**NOTE:** The micro-switch must be connected in series with the limit switch. There must be at least 2 opposed safety belts.

**12.** Bring the bed lifting system to its lowest position, making sure the stabilizer runners are in a perfectly vertical position and will not jam.

**13.** Fix the stabilizer runners with suitable screws (we recommend at least 3.8x20 screws) in the middle channel of the runner at a maximum distance of 10" (25cm) from each other.

**NOTE:** Make sure the screw head does not protrude too much, otherwise it will hit and damage the stabilizer. Adjust the stabilizer and fix the m4x6 screws with some "soft" thread-locker.

**14.** Then install the electrical components (Fig. 6) and program the system as illustrated in the installation and programming manual. (ONLY AVAILABLE FOR SERVICE CENTERS.)

**NOTE:** It is forbidden to use the bed while the vehicle is running, as the bed must be locked with safety belts.

**NOTE:** Each bed lifting system model was designed and developed to reduce or eliminate any risks related to cutting and tangling. The installer must however mount the system avoiding any risk factors/elements such as sharp edges, curls, etc.

**15.** After finishing installation, make sure the bed lifting system has no clearances and movements and the bed is parallel to the floor.

**NOTE:** In the event it is necessary to operate the bed lift system manually through the handle, it is compulsory to carry this operation without disconnecting the wires from the motor unit to the control unit.

**NOTE:** Never disconnect the wires from the motor unit to the control unit for a manual start of the bed lift system.

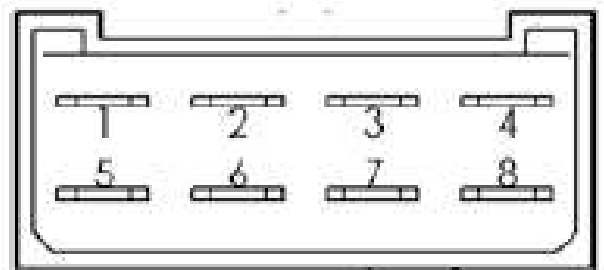
## Electrical

- With mechanical encoder.

The circuit board is a controlling device with:

- DC 12 V power, maximum 25A.
- Free, normally closed contact end-of-stroke signal input.
- DC 12 V, maximum 25 A motor output, with polarity control.

**Fig. 1**



## Mechanical Encoder

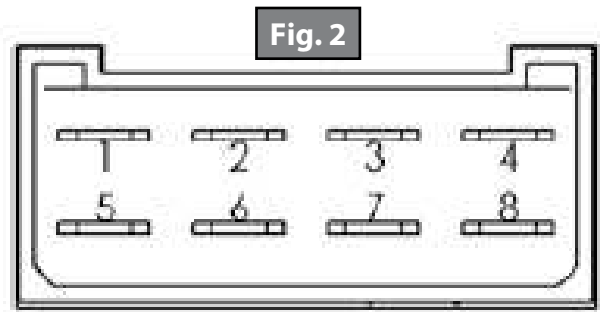
### Circuit Board Connection

The circuit board is a controlling device equipped with:

- DC 12 V, 25A maximum

Working contact

- DC 12 V, 25 A maximum motor output with polarity control



| Silkscreen Printing | Logic ID   | Range     | Clamps | Description                         |
|---------------------|------------|-----------|--------|-------------------------------------|
| CN1                 | GND        | GND       | CN1-8  | Negative power post                 |
|                     | MOT2       | DC 0-12 V | CN1-7  | Motor (Grey)                        |
|                     |            | Not used  | CN1-6  | Not used                            |
|                     | F.C. (C-5) |           | CN1-5  | End-of-stroke (C-5) (Orange)        |
|                     | +12        | DC 12 V   | CN1-4  | Positive power post                 |
|                     | MOT1       | DC 0-12 V | CN1-3  | Motor (Brown)                       |
|                     |            | Not used  | CN1-2  | Not used                            |
|                     | F.C. (C-4) |           | CN1-1  | End-of-stroke signal (C-4) (Yellow) |

| Power                                  |                  |
|----------------------------------------|------------------|
| DC Current Voltage (nominal)           | DC 12 V          |
| Tolerance                              | -10% / +20% *    |
| DC Current Voltage (Minimum ÷ Maximum) | 10.8 - DC 14.4 V |

**NOTE:** \*The value indicated takes into account average motor features and estimated work load. The value indicated here is the minimum value guaranteed for the system to work at maximum declared load. With reference to Fig. 2, voltage must be applied to clamps 4 and 8 of the 8-pole faston connector, making sure to connect the positive pole with the clamp and the ground to clamp 4.

### Assembling and Harnessing Procedure for the Encoder Unit

Standard motor rotation (the belt shaft rotates in the direction shown by the arrow printed on the black plastic cover)

Connect the ORANGE wires to the “Down” end of stroke of the mechanical encoder and connect the YELLOW wires to the “Up” end of stroke.

Reverse motor rotation (the belt shaft rotates in the opposite direction shown by the arrow printed on the black plastic cover)

In the control panel, invert the orange wire and the yellow wire.

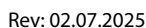
Connect the YELLOW wires to the “Down” end of stroke of the mechanical encoder and connect the ORANGE wires to the “Up” end of stroke.

1. While preparing the bed after pre-loading the belt by turning it twice around the shaft (and therefore after more or less setting the lowest position for the bed), place the mechanical encoder bracket and insert the threaded sleeve into the shaft. Check the shaft rotation when the bed is descending and consequently in which direction the anti-rotation tab is moving, place the end of stroke button on the “mechanical encoder” bracket on the side on which the “anti-rotation” tab is moving when the bed is descending and fasten it by tightening the 1/8" (3mm) nut. Make sure that the sleeve on the shaft is fastened in the correct position and the “anti-rotation tab” has enough room inside of the encoder bracket slot to slide throughout the whole ascent of the bed and that the ring nut on the bolt has enough threading left to cover the bed ascent distance.

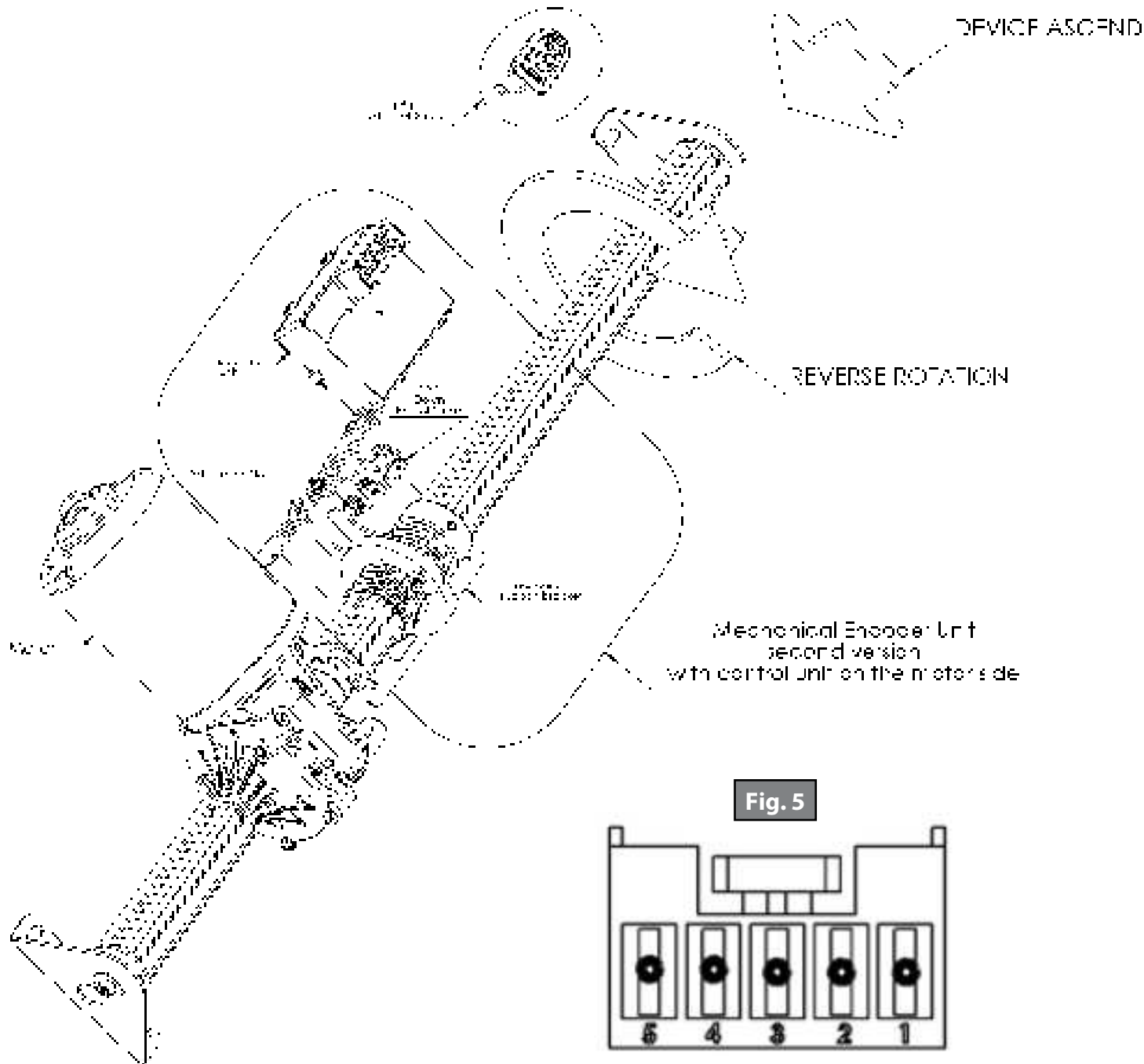
- ### How to correctly check the end of stroke connection:

1. Control panel, by pressing the UP button the bed must go up and it must go down when pressing the DOWN button.
2. When pressing the end-of-stroke button while lifting the bed to the highest position, the bed must immediately stop.
3. Press the end-of-stroke button (the one mounted on the mechanical encoder) to set the lowest position while lowering the bed: the bed must immediately stop.

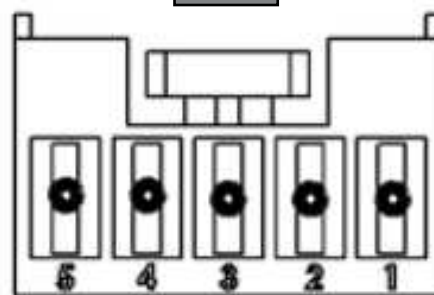
After doing this, check that the end of strokes are synchronized.



**Fig. 4**



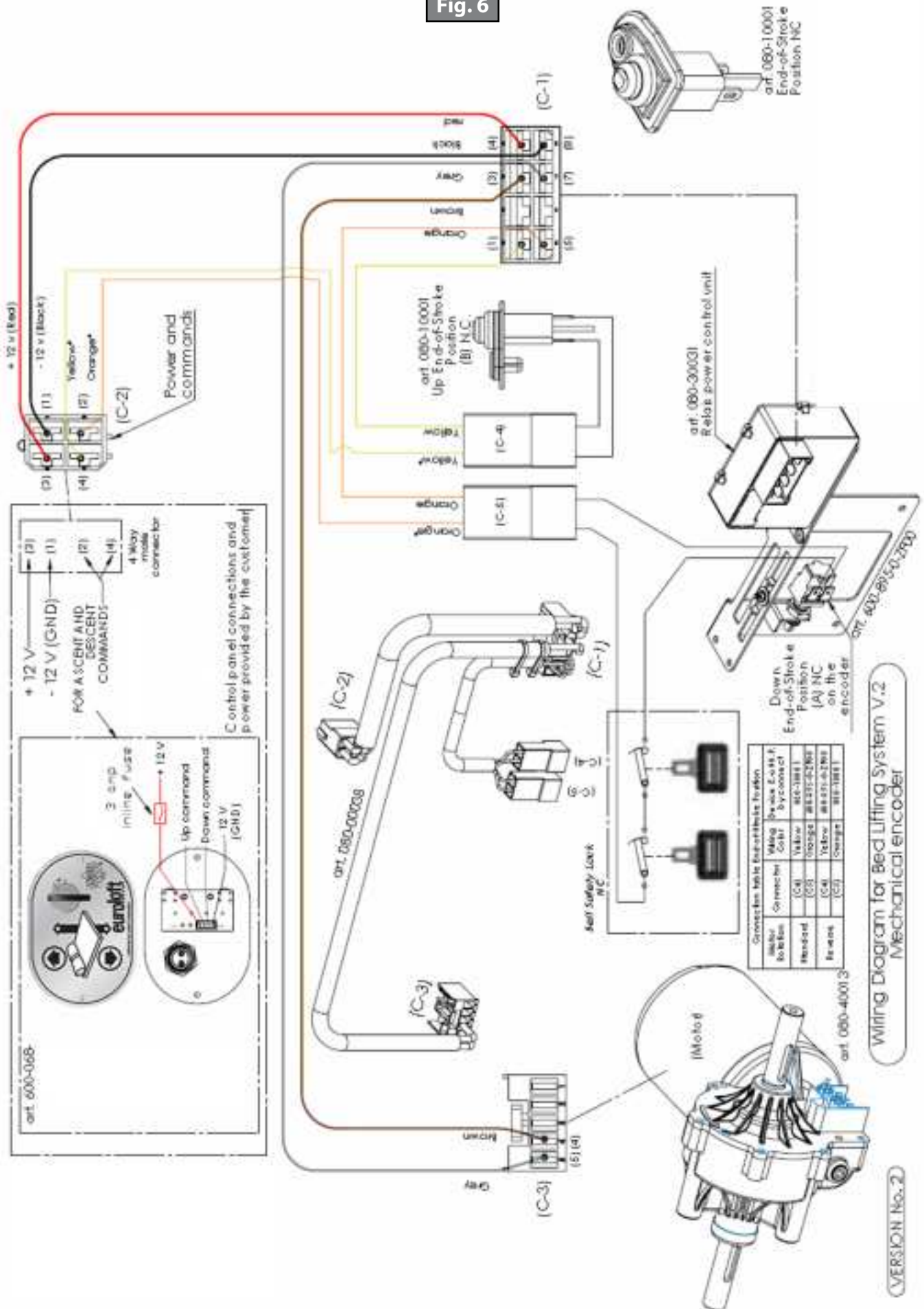
**Fig. 5**



| Silkscreen Printing | Logic ID | Range     | Clamps | Description   |
|---------------------|----------|-----------|--------|---------------|
| (C-3)               | MOT2     | DC 0-12 V | Pin 5  | Motor (Grey)  |
|                     | MOT1     | DC 0-12 V | Pin 4  | Motor (Brown) |
|                     |          | Not used  | Pin 3  | Not used      |
|                     |          | Not used  | Pin 2  | Not used      |
|                     |          | Not used  | Pin 1  | Not used      |

The motor has a 5-pole connector for a female movable connector represented in Fig. 5. The picture shows the connector from the cable's connection side.

Wires No. 4 and 5 are motor connections, for the wiring please refer to diagram in Fig. 6.



The diagram in Fig. 6 summarizes all of the connections between the board and the other items that should be established in order for the system to work correctly.

The motor connections (pin 3 and 7 of the 8-pole connector) and power connections (pins 4 and 8 of the 8-pole connector) must be carried out exactly as shown in the picture. Be sure to use cables with a minimum section of  $\frac{1}{64}$ " (4.4mm).

Follow the instructions provided with the bed lifting system (wiring diagram).

Comply with current CEI regulations during the installation operation.

The Manufacturer provides a set of standard cables for installation with the bed lifting system. After electric installation it will be possible to start up and test the system.

The Manufacturer shall be held harmless for any bed lifting system malfunctioning caused by not having perfectly functioning electric system connections or to a wrong installation on the vehicle.

**Fig. 7**



The bed moves vertically in a specific structure developed to this purpose and its stroke is limited by two ends:

- On the upper side, the stroke is limited by an end-of-stroke sensor;
- On the lower side, the limit is represented by the lowest position set, by means of regulating the end-of-stroke located on the mechanical encoder.

The bed can be lifted or lowered through activation in "ON" position of the key switch located on the panel and by pressing the arrow-shaped switches on the front panel. When pressing the UP switch (arrow up) the bed will be lifted and it will go down when pressing the DOWN switch.

Two green LED-lights are located on the controller panel and they will simultaneously switch on. During movement of the bed, only the LED corresponding to the direction of travel will be turned on.

The bed will be moving while pressing the switch and it will stop when:

- The switch is released.
- A pre-set stop position is reached.
- The bed is being lifted and the end-of-stroke position is reached.

The bed will move by pressing one of the switches again, unless one of the following conditions is detected:

- The bed is in the end-of-stroke position and the UP switch is kept pressed.
- The bed is in the lower programmed position and the DOWN switch is kept pressed.

In these two situations the bed will not move because the pre-set end-of-stroke positions for operation are reached and it is not possible to overcome them.

**When operating the bed lifting system, clear operation area of children and obstructions or death, serious injury or property damage could occur.**



## **Security and Safety Devices**

### Unauthorized Access

The controller is equipped with a safety device to protect the system against unauthorized access. Through activation in "ON" position of the key switch located on the panel (Fig. 7) and with the key in position "OFF," the system is blocked.

Turn the key in "ON" position to unblock the protection and make the normal functions.

### Warning Status for Safety Lock

While the vehicle is running the bed can be secured with specific belts in order to ensure safe conditions. The safety belts have an internal closed contact that can be used to differentiate between the status "safety belt fastened" and "safety belt not fastened". Tab. A and Tab B. (Page 16) show how to connect the belts, identified by the description "safety belts."

**NOTE:** Always block the bed on the highest limit before inserting the safety belt. The non observance of the rule could modify the lowest stop position

The different models have been designed and manufactured keeping in mind all the main standards of safety, to reduce and/or cancel any element of risk connected with the operation. In particular, it is important to point out the existence of the following safety devices:

**Mechanical Devices** - Bed lifting systems come with an unlocking device or MANUAL ACTIVATION device which makes it possible to operate the system manually. It is a crank device inserted in the motor (Tab. B, Page 16) that lifts and lowers the bed ONLY IN CASE OF EMERGENCY.

**NOTE:** Always disconnect from power before performing any operation on the bed lifting system.

### Motor Protection System

The bed lifting system comes with a protection system for the electric motor against mechanical overload that could affect the motor while running.

**Do not stand in the bed lifting system operation area.**

**It is strictly forbidden to operate the system while people are on it.**



**It is strictly forbidden to be on the bed lifting system while being operated.**

**Do not reach into the bed lifting system components while being operated.**

**The bed must be fixed to the safety belts.**

The different models have been designed and developed so to reduce or eliminate risks related to squashing and shearing. Risks related to bed lifting system operation are, however, virtually eliminated by the weak squashing forces.

## Start-Up and Testing

The product is delivered to the customer fully tested and ready for start-up. Start-up operations and product testing shall be carried out - once the system has been mounted on the vehicle - by specialized staff in order to reduce risks related to product start-up.

All start-up and testing operations shall be carried out by skilled and authorized staff.

## Application Field and Purpose

The product shall only and EXCLUSIVELY BE USED for the purpose for which it was developed, namely to lift and lower a bed frame inside of leisure vehicles.

The Manufacturer shall be held harmless for any possible damages due to improper, unskilled or unreasonable use.

The user shall comply with current safety regulation in force in the installation country and also to common sense rules and make sure regular maintenance is performed correctly.

The installer, user or maintenance technician shall inform the Manufacturer about any possible defects or deterioration that might compromise the original safety of the system.

In case of commercial components mounted on the product, the component manufacturers are liable. The customer is liable for authorized staff using the product.

## Important Information

- Safety devices shall not be tampered with for any reason.
- It is strictly forbidden to be on the bed lifting system while being operated.
- Do not interfere with the bed lifting system while operated, neither with any objects nor with hands.
- Before starting the vehicle engine and driving, always make sure the bed lifting system is in its highest position and the safety belts are fastened (excluding garage bed).
- Do not operate the system improperly (e.g. with people on it).
- The bed lifting system shall only be used by adult and responsible staff.
- It is forbidden to use the bed lifting system while the vehicle is running.
- Do not move the bed lifting system if people or animals or items are around, under or on it.
- Always comply with the bed lifting system maximum load capacity, i.e. 880 lb (400kg) in static conditions.
- Never lift weights that overcome the bed lifting system maximum load, i.e. 132 lb (60kg) in dynamic conditions, people or animals are not included and they must not be on the bed when the system is operating.
- The bed lifting system must never be used while the vehicle is running.
- It is forbidden to start the bed lift system manually with disconnected wires from motor unit to control unit.
- Should the mechanism not work, do not use the bed and ask for assistance at the next service center.

## Maintenance

In order to ensure safe use of the bed lifting system without problems and in safe conditions for the operators, it is COMPULSORY to follow the control and maintenance plan provided in this chapter.

Complying with regular maintenance norms – as well as monitoring the main bed lifting system components – is crucial to detecting any possible anomalies before they take place and necessary in order to avoid anomalies where and how necessary.

The different bed lifting system models have been designed and developed in such a way to reduce maintenance operations.

## Maintenance Operations

Before starting maintenance operations, make sure the vehicle is parked and secured.

After ascertaining vehicle stability, disconnect the electric system of the bed lifting system from the vehicle battery.

1. Regular sight analysis of the belting and of the wall fastening elements (once a year).
2. Check-up of motor and shafts coupling (once a year).
3. Write on the "bed lifting system control register" (Annex 1, Page 17) the regular checks carried out and the number of cycles performed by the system detected by the control unit as described at point 8.2.6.

**NOTE:** "Lifting mechanism control register" (Annex. 1, Page 17) the number of cycles done by the DEVICE and detected BY the control unit as described in point 7.8 of the installation manual - VALID ONLY FROM UPDATE FW 2.2.

It is however necessary to comply with the following general rules:

- Emergency and/or temporary repair operations shall never be carried out by unskilled and unauthorized staff.
- Keep the bed lifting system clean and tidy.
- Always preserve the bed lifting system completeness.

More complex operations shall be carried out by specialized staff.

## **Disassembling and Demolition**

The Manufacturer designed and developed bed lifting systems having a life of at least 500 intermittent working hours, however only if the maintenance guidelines provided in this manual are complied with.

Disconnect the bed lifting electric system from the vehicle battery before starting disassembling procedures.

The bed lifting system main parts must be disassembled. Only operate with hand gloves and Individual Protection Devices (IPD) in order to avoid any possible squashing, shearing, cutting.

After finishing disassembling and sorting the components, hand them to authorized companies for disposal.

Disassembling and demolition operations shall be performed by skilled and authorized staff.

Bed lifting system components overhaul or replacement shall be carried out within a reasonable time of 36 months

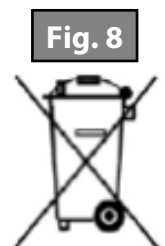
A "control register" has been defined to this purpose (Annex I par. 4.4.2 line b) enabling the user to carry out periodical checks of the bed lifting system completeness in order to preserve safety conditions (ANNEX 1)

The manufacturer shall be held harmless in case any components or disassembled parts of the bed lifting system are recycled for use. Disposal of electric and electronic components:

Electric and electronic devices classified as waste pursuant to art. 6, par. 1, letter a) of the Legislative Decree of February 5th 1997, No. 22 and following modifications are defined as "Waste electrical and electronic equipment" or "WEEE", including all components, subgroups and consumables that are integral part of the product; an improper use of the equipment or part of the equipment can cause serious damage to environment and health due to the presence of hazardous materials contained. Pursuant to Legislative Decree 151/2005 it is therefore forbidden to dispose of WEEE as urban waste and it is necessary to collect WEEE separately. Fines shall otherwise be applied for illegal waste disposal pursuant to Legislative Decree of February 5th, 1997, No. 22. WEEE collection systems and "WEEE collection centers" have been defined by the public administration as areas, buildings and structures for separate collection and temporary stocking of WEEE, opened to citizens.

It is furthermore possible to return the system to the retailer when purchasing a new one.

The logo for separate collection of electrical and electronic equipment (EEE) is a crossed-out wheeled rubbish bin: this logo is printed directly on the product in a visible position and it is well readable and indelible (Fig. 8).



## General Information On Safety Regulations

All dangerous equipment such as shafts, pulleys, chains, crown gears, etc. have been isolated and protected - within structural limitations - with suitable protection panels.

The aforementioned panels, which effectively protect the user against dangerous components, shall not be removed, not even temporarily, and they shall be protected against interference throughout the bed lifting system life.

If it is necessary to remove the protections, the operator shall however follow safety instructions in order to protect him/herself and any other person in the operation area of the bed lifting system. Protections shall however be put back into place as soon as the maintenance operation is finished.

More specifically, it is necessary - while performing maintenance operations - to:

- Make sure the vehicle is parked and secured in safe and stable conditions before starting maintenance operations.
- Carry out each operation with the vehicle parked and only after disconnecting power.
- The bed lifting system must never be used while the vehicle is running.

## Warranty Terms And Conditions

The Manufacturer "Project 2000" guarantees the bed lifting system components for 24 months after purchase. Defective parts shall not be tampered with and they shall be returned together with the serial number indicated on the plate located on the bed lifting system.

Parts that have been tampered with or partially disassembled will not be covered under warranty. Electronic control units will not be covered under warranty in case of incorrect connection detection to the system: in this case repair costs will be charged to the customer.

The Manufacturer "Project 2000" may decide to replace defective components instead of repairing them. Should replacement or repair have a negative outcome, the customer can charge repair costs to the Manufacturer or cancel the purchase.

Warranty won't be applied if the necessary periodic check ups, requested in this handbook, are not carried out and noted.

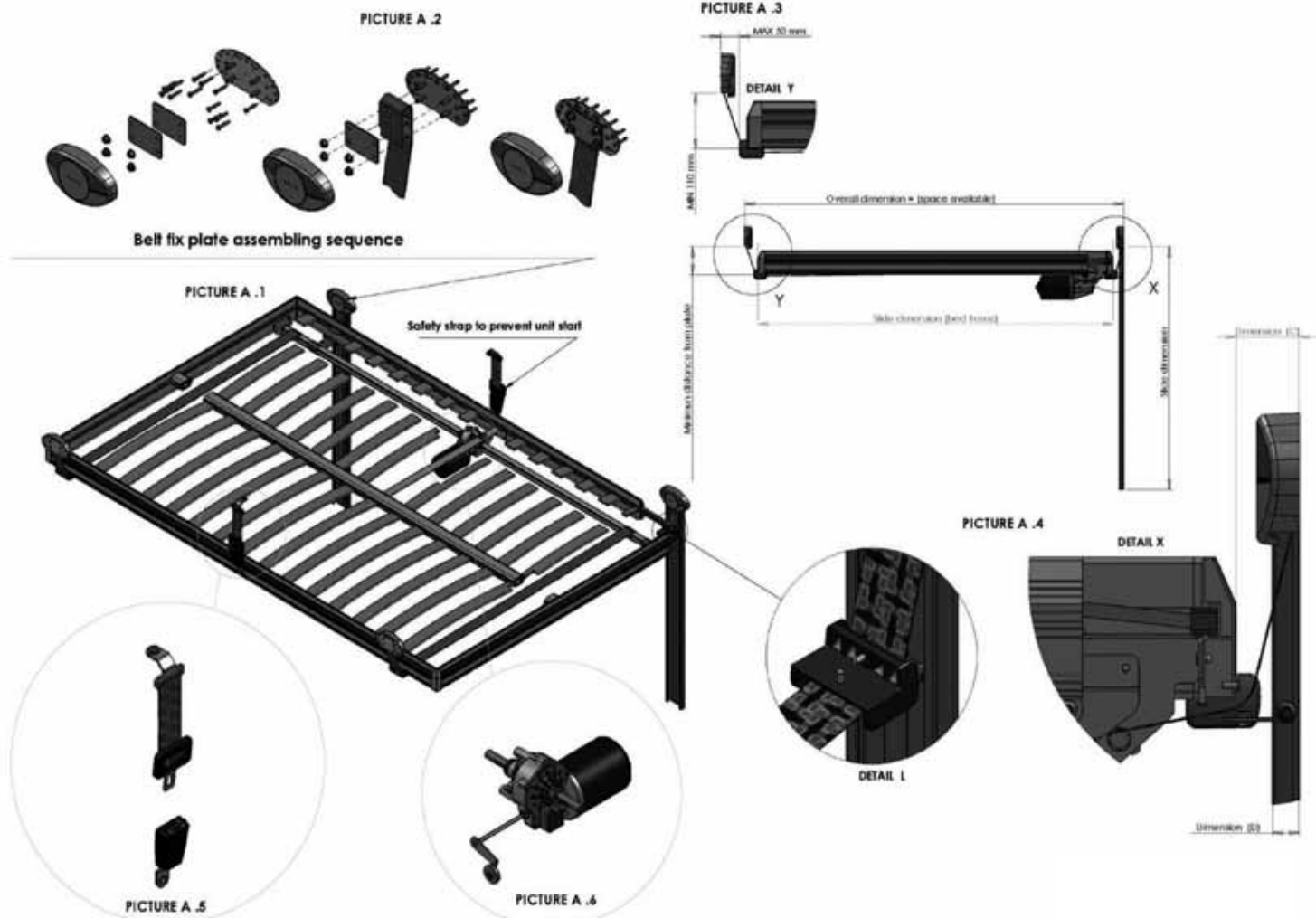
The manufacturer will not be liable for any indirect damage.

**DAMAGES CAUSED BY IMPROPER USE OF THE BED LIFTING SYSTEM, OR USE NOT IN COMPLIANCE WITH THE INSTRUCTIONS PROVIDED IN THIS MANUAL, WILL NOT BE COVERED UNDER WARRANTY.**

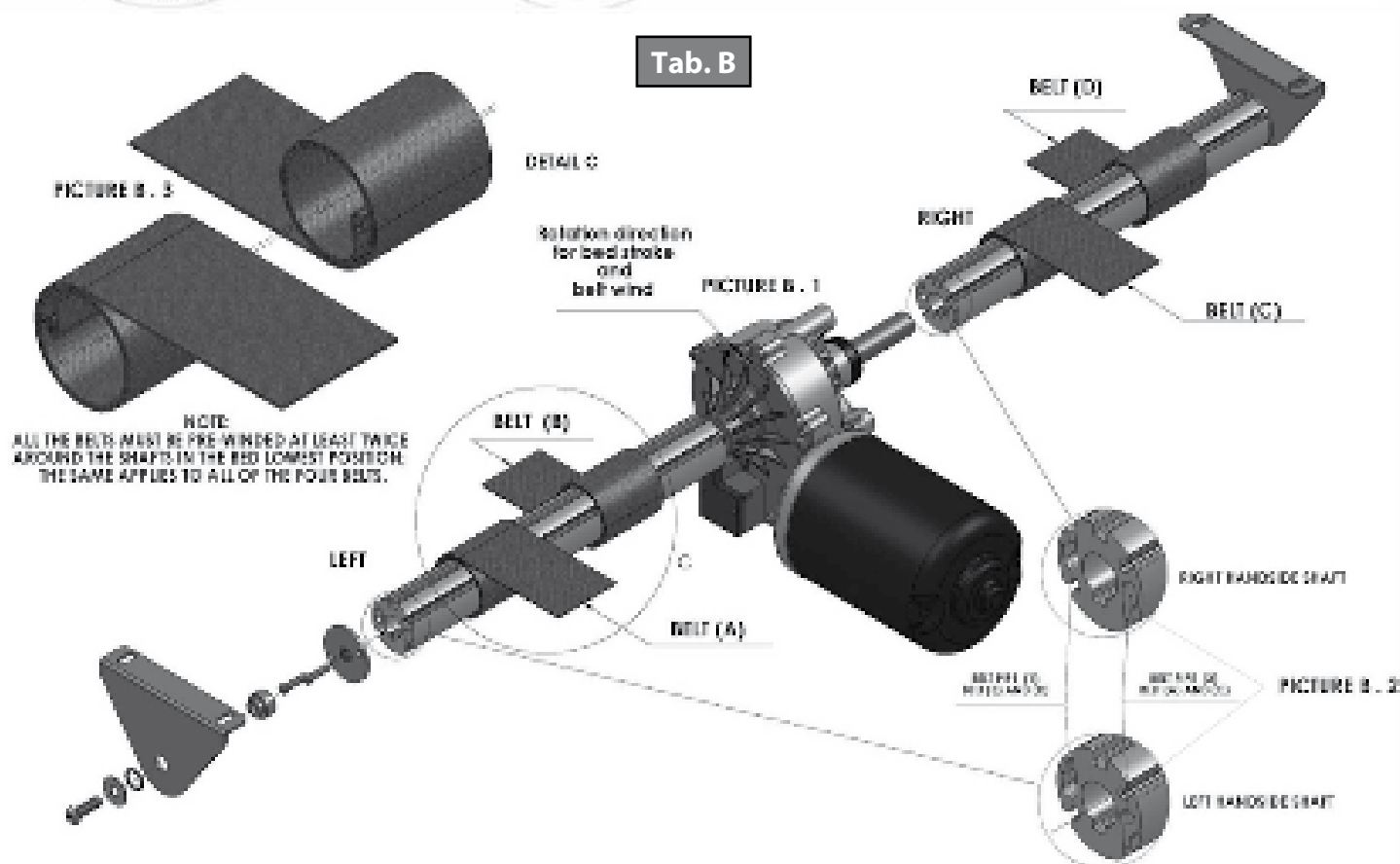
The warranty covers repair or replacement of parts at the Manufacturer's (Project 2000) premises. Transport costs (for spare parts under warranty) as well as retailer labor costs or other costs required by the user are not covered under warranty.

All disputes shall be subject to the jurisdiction of the court of Florence (Italy).

Tab. A



Tab. B



## Bed Lift Maintenance Log

| Bed Lifting System Control Register - Annex 1 |       |               |                    |
|-----------------------------------------------|-------|---------------|--------------------|
| Device Type                                   | Model | Serial Number | Manufacturing Year |
|                                               |       |               |                    |

| Checks Performed                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Five Yearly Check _____ | <input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Year _____<br><input type="checkbox"/> Five Yearly Check _____ |

| Five Yearly Check Date _____ Number of Cycles _____    | Yes | No |
|--------------------------------------------------------|-----|----|
| General check of the system by an authorized supplier. |     |    |
| Eventual replacement of damaged pieces.                |     |    |

**NOTES:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| Yearly Check Date _____ Number of Cycles _____                                                                                    | Yes | No |
|-----------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Are warning sound signals and lights working?                                                                                     |     |    |
| Are the control devices for lifting and lowering the system working?                                                              |     |    |
| Are the control devices for lifting and lowering the system clearly marked so that they can be correctly identified despite wear? |     |    |
| Are there any clearances in the belt roller/s and the gear motor coupling?                                                        |     |    |
| Is the gear motor perfectly working in all of its mechanical functions?                                                           |     |    |
| Is the service breaking and parking system working?                                                                               |     |    |
| Are the bed lifting system belts undamaged and safely fastened?                                                                   |     |    |
| Are the general conditions of the system good?                                                                                    |     |    |
| Is the system nominal maximum load still clearly and indelibly indicated?                                                         |     |    |
| Is the system maximum load still clearly and indelibly indicated?                                                                 |     |    |
| Are the anchoring elements safely fixed to the roof?                                                                              |     |    |
| Are security belts well fitted and efficient?                                                                                     |     |    |
| Are lifting and lowering only possible on the top and bottom part of the mechanical end-of-stroke stops?                          |     |    |
| Is the system user's manual available?                                                                                            |     |    |

**NOTES:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| Yearly Check Date _____ Number of Cycles _____                                                                                    | Yes | No |
|-----------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Are warning sound signals and lights working?                                                                                     |     |    |
| Are the control devices for lifting and lowering the system working?                                                              |     |    |
| Are the control devices for lifting and lowering the system clearly marked so that they can be correctly identified despite wear? |     |    |
| Are there any clearances in the belt roller/s and the gear motor coupling?                                                        |     |    |
| Is the gear motor perfectly working in all of its mechanical functions?                                                           |     |    |
| Is the service breaking and parking system working?                                                                               |     |    |
| Are the bed lifting system belts undamaged and safely fastened?                                                                   |     |    |
| Are the general conditions of the system good?                                                                                    |     |    |
| Is the system nominal maximum load still clearly and indelibly indicated?                                                         |     |    |
| Is the system maximum load still clearly and indelibly indicated?                                                                 |     |    |
| Are the anchoring elements safely fixed to the roof?                                                                              |     |    |
| Are security belts well fitted and efficient?                                                                                     |     |    |
| Are lifting and lowering only possible on the top and bottom part of the mechanical end-of-stroke stops?                          |     |    |
| Is the system user's manual available?                                                                                            |     |    |

**NOTES:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| Yearly Check Date _____ Number of Cycles _____                                                                                    | Yes | No |
|-----------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Are warning sound signals and lights working?                                                                                     |     |    |
| Are the control devices for lifting and lowering the system working?                                                              |     |    |
| Are the control devices for lifting and lowering the system clearly marked so that they can be correctly identified despite wear? |     |    |
| Are there any clearances in the belt roller/s and the gear motor coupling?                                                        |     |    |
| Is the gear motor perfectly working in all of its mechanical functions?                                                           |     |    |
| Is the service breaking and parking system working?                                                                               |     |    |
| Are the bed lifting system belts undamaged and safely fastened?                                                                   |     |    |
| Are the general conditions of the system good?                                                                                    |     |    |
| Is the system nominal maximum load still clearly and indelibly indicated?                                                         |     |    |
| Is the system maximum load still clearly and indelibly indicated?                                                                 |     |    |
| Are the anchoring elements safely fixed to the roof?                                                                              |     |    |
| Are security belts well fitted and efficient?                                                                                     |     |    |
| Are lifting and lowering only possible on the top and bottom part of the mechanical end-of-stroke stops?                          |     |    |
| Is the system user's manual available?                                                                                            |     |    |

**NOTES:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| Yearly Check Date _____ Number of Cycles _____                                                                                    | Yes | No |
|-----------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Are warning sound signals and lights working?                                                                                     |     |    |
| Are the control devices for lifting and lowering the system working?                                                              |     |    |
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| Are there any clearances in the belt roller/s and the gear motor coupling?                                                        |     |    |
| Is the gear motor perfectly working in all of its mechanical functions?                                                           |     |    |
| Is the service breaking and parking system working?                                                                               |     |    |
| Are the bed lifting system belts undamaged and safely fastened?                                                                   |     |    |
| Are the general conditions of the system good?                                                                                    |     |    |
| Is the system nominal maximum load still clearly and indelibly indicated?                                                         |     |    |
| Is the system maximum load still clearly and indelibly indicated?                                                                 |     |    |
| Are the anchoring elements safely fixed to the roof?                                                                              |     |    |
| Are security belts well fitted and efficient?                                                                                     |     |    |
| Are lifting and lowering only possible on the top and bottom part of the mechanical end-of-stroke stops?                          |     |    |
| Is the system user's manual available?                                                                                            |     |    |

**NOTES:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

| Yearly Check Date _____ Number of Cycles _____                                                                                    | Yes | No |
|-----------------------------------------------------------------------------------------------------------------------------------|-----|----|
| Are warning sound signals and lights working?                                                                                     |     |    |
| Are the control devices for lifting and lowering the system working?                                                              |     |    |
| Are the control devices for lifting and lowering the system clearly marked so that they can be correctly identified despite wear? |     |    |
| Are there any clearances in the belt roller/s and the gear motor coupling?                                                        |     |    |
| Is the gear motor perfectly working in all of its mechanical functions?                                                           |     |    |
| Is the service breaking and parking system working?                                                                               |     |    |
| Are the bed lifting system belts undamaged and safely fastened?                                                                   |     |    |
| Are the general conditions of the system good?                                                                                    |     |    |
| Is the system nominal maximum load still clearly and indelibly indicated?                                                         |     |    |
| Is the system maximum load still clearly and indelibly indicated?                                                                 |     |    |
| Are the anchoring elements safely fixed to the roof?                                                                              |     |    |
| Are security belts well fitted and efficient?                                                                                     |     |    |
| Are lifting and lowering only possible on the top and bottom part of the mechanical end-of-stroke stops?                          |     |    |
| Is the system user's manual available?                                                                                            |     |    |

**NOTES:** \_\_\_\_\_

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