SLIMRACK® BED LIFT SYSTEM

OWNER'S MANUAL

LIPPERT COMPONENTS®

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System Information

The SlimRack® Bed Lift Platform is a rack and pinion design operated by a 12V DC gear motor. The Bed Lift Platform was engineered to provide years of trouble-free service. Changes to weight, stroke, rail position, controller, power supply, etc. all have an effect on the performance of the system.

Features

- Rocker switch that mounts to the wall allows bed movement and provides end user feedback.
- The control box has programmable stops that can detect faults and control the bed lift movement.
- Horizontal channel with 12V DC gear motor and gear rack arms that mounts onto the top and bottom of the bed platform.
- Provided wiring harnesses to connect the touch pad, motors and control box.

Additional information about this product can be obtained from lci1.com/support or by downloading the free myLCIapp. The app is available on iTunes® for iPhone® and iPad® and also on Google Play™ for Android™ users. iTunes®, iPhone® and iPad® are registered trademarks of Apple Inc. Google Play™ and Android™ are trademarks of Google Inc.

Operation

⚠WARNING

Always make sure that the SlimRack Bed Lift path is clear of people and objects before and during operation of the SlimRack Bed Lift. Always keep away from the slide rails when the bed is being operated. The gear assembly may pinch or catch on loose clothing causing personal injury.

Prior to Operating the SlimRack Bed Lift System

1. The engine or generator must be running or the unit must be plugged into shore power to ensure ample voltage is being supplied to the SlimRack Bed Lift control box. If installed in a non-motorized unit, make sure batteries are charged to 12V or greater.
2. Transmission must be in park or neutral (if applicable).
3. Parking brake must be set (if applicable).
4. Unit must be level.

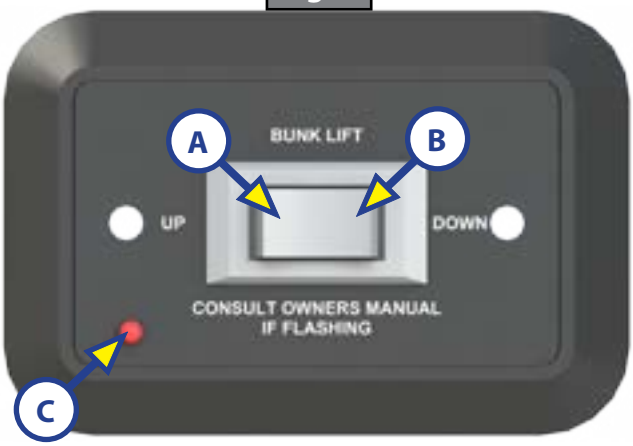
Raising the Bed

1. Press and hold the "UP" button on the wall rocker switch (Fig. 1A). There will be a slight delay before the bed will begin to move. This is normal.
2. Release the button when the bed is fully raised (Fig. 2) and stops moving.

Lowering the Bed

1. Press and hold the "DOWN" button on the wall rocker switch (Fig. 1B). There will be a slight delay before the bed will begin to move, which is normal.
2. Release the button when the bed is fully lowered (Fig. 3) and stops moving.

Fig. 1



NOTE: When lowering the SlimRack Bed Lift, make sure the garage area is clear of people and objects.

Fig. 2

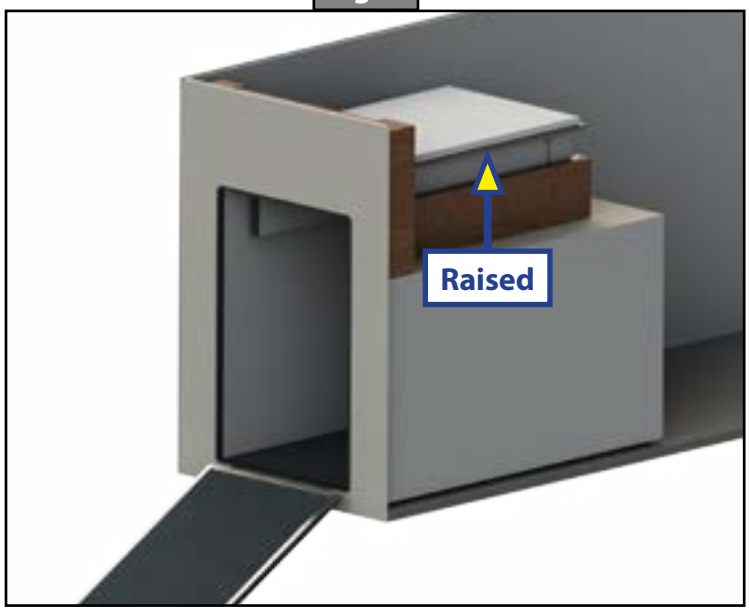
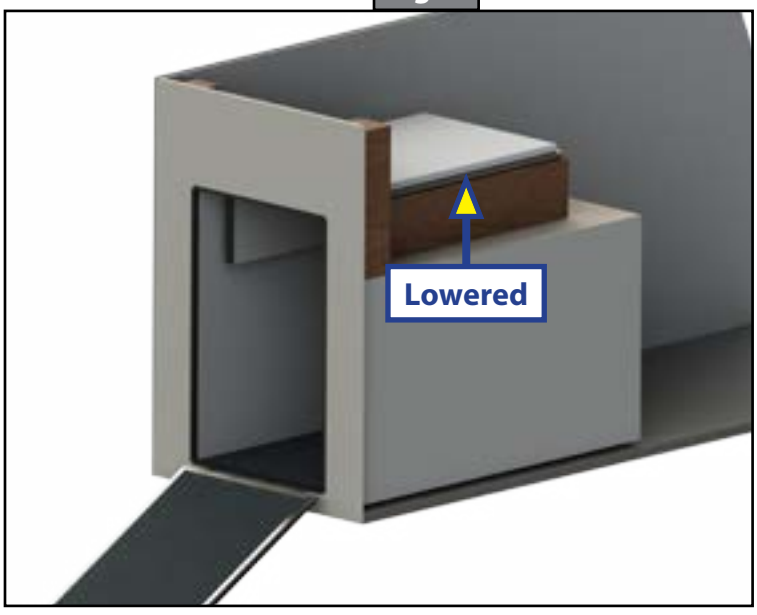


Fig. 3



Troubleshooting

The control box has the ability to detect and display several faults. When a fault is detected, the room movement may stop and two different LEDs on the control box will flash in a pattern.

- The Fault Code LED (Fig. 1C) on the wall rocker switch will flash RED a number of times corresponding to the number of red flashes on the control box (Fig. 4A). Refer to the troubleshooting chart below to best determine what caused the fault.
- The Motor LED (Fig. 4B) on the control box will flash GREEN a number of times corresponding to which motor had the associated fault. For example: Two GREEN flashes and four RED flashes means there is a motor fault on Motor 2.

NOTE: For major faults, the control will automatically enter "Emergency Jog" mode when motor movement is not detected by the control box in either direction during bed actuation. When in "Emergency Jog" mode, the control will jog both motors in the direction the rocker switch is pressed ("UP" or "DOWN"). The rocker switch may need to be pressed multiple times to fully raise or lower the bed. Take the unit to an OEM-authorized dealer for service.

NOTE: The control box will return to normal operation mode after five minutes of inactivity or by cycling power to the control box.

Fig. 4

Fault Code Flashes		Fault Type	Description	Why?	What Should Be Done?
Green Flash	Red Flash				
1	1	Minor	Parking Brake Not Set	Parking brake not set (if applicable).	Set parking brake (if applicable).
				Ground signal lost at park brake receptacle at control box.	Check for continuity to ground on wire plugged into park brake receptacle at control box.
1	2	Minor	Low Voltage	Incoming voltage to control is below 12V DC. The room will NOT move if the voltage is 10.5V DC or below.	Start vehicle or generator or make sure coach is plugged into shore power. Check 2-pin power connector at control box at BATT + and GND. Consult manufacturer of unit charging system for troubleshooting assistance.
1	4	Major	Motor 1 Fault	Bad wire connection Bad motor	Take unit to an OEM-authorized dealer for service.
2	4	Major	Motor 2 Fault	Bad wire connection Bad motor	
1	6	Minor	High Voltage	Supply voltage to control box is 17V DC or greater.	Consult manufacturer of unit charging system for troubleshooting assistance.

Override Mode

In the event of component failure or loss of system power, the SlimRack Bed Lift can be manually overridden and lowered for travel.

NOTE: At any time during the override procedure, the unit will exit this mode if the bed has not been moved for five minutes.

NOTE: For major faults, the control will automatically enter "Emergency Jog" mode when motor movement is not detected by the control box in either direction during bed actuation. When in "Emergency Jog" mode, the control will jog both motors in the direction the rocker switch is pressed ("UP" or "DOWN"). The rocker switch may need to be pressed multiple times to fully raise or lower the bed. Take the unit to an OEM-authorized dealer for service.

NOTE: The control box will return to normal operation mode after five minutes of inactivity or by cycling power to the control box.

Manual Emergency Lowering Mode

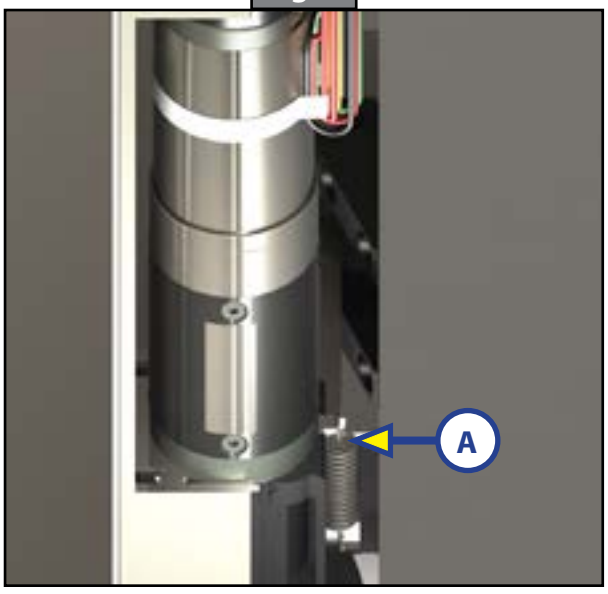
⚠WARNING

Before removing the motors make sure the SlimRack Bed Lift platform is supported with a T-block and a floor jack. Failure to act in accordance with the following may result in death or serious personal injury.

In the event that power is lost to the SlimRack Bed Lift motors, the bed can be manually lowered by following these steps:

1. Support the bed lift platform with a T-block and a floor jack in the inside middle of the bed platform.
2. Gain access to the motors from the bottom sides of the bed lift platform to the horizontal channel assembly. The motor in the channel is currently located toward the exit end of the trailer.
3. Remove the end of the retaining spring from the motor spring clip (Fig. 5A).
4. Unplug the motor from the harness and remove the motor by lifting it up and out.
5. Repeat steps 1-4 for the opposite side.
6. Carefully lower the bed lift platform with the floor jack and T-block until the bed lift is in the lowered position.

Fig. 5



7. Secure the bed in place by re-installing the motors. Make sure the end of the retaining spring is re-hooked to the motor spring clip (Fig. 5A).
8. Have the SlimRack Bed Lift serviced by the OEM-authorized dealer as soon as possible. Do not operate bed until service is complete as damage to the bed may result.

Preventative Maintenance

The SlimRack Bed Lift system has been designed to require very little maintenance. To ensure the long life of the SlimRack Bed Lift system, read and follow these few simple procedures:

- When the bed is raised, visually inspect the slide rail assemblies. Check for excess buildup of dirt or other foreign material. Remove any debris that may be present.
- If the system squeaks or makes any noises, blow out any debris from the gear rack arms and apply a dry lubricant to prevent and/or stop squeaking.

Notes

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Please recycle all obsolete materials.

For all concerns or questions, please contact
Lippert Components, Inc.
Ph: (574) 537-8900 | Web: lci1.com | Email: customerservice@lci1.com