



Lippert Keyless RV Door Lock with Bluetooth™

Installation and Owner's Manual

(For Aftermarket Applications)



Lippert Keyless RV Door Lock with Bluetooth	
Part #	Description
2022114114	Left-Handed Kit
2022119636	Right-Handed Kit

Table of Contents

Introduction	2	Operation	9
Key Features	2	Mechanical Features	9
Additional information	2	Keypad and Keypad	10
Safety	2	Touch Light Indicator (TLI) Communication Chart	11
Parts List	3	Maintenance	12
How to Choose Right-hand or Left-hand Kit	3	General Guidelines	12
Resources Required	4	Battery Replacement	12
Installation	4	Low Battery Lockout	13
Remove Existing Lock	4	Rain Sensing Technology	13
Removing Battery Tab	4	Resetting to Factory Preset Code	13
Installation into Door	4	Troubleshooting	14
Post Installation Verification	7	Bluetooth Concerns	14
Preparation	8	Physical Device	15
Download the OneControl App	8	Notes	15
Pairing and using with OneControl App	8		



Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

Introduction

Lippert Keyless RV Door Lock with Bluetooth is a 4-keypad button programmable deadbolt lock, and self-contained electronic RV latch with Bluetooth, and AISentis HSS.

Key Features

- iOS and Android apps to lock/unlock deadbolt with smartphone.
- App displays whether deadbolt is locked or unlocked.
- App monitors battery power in latch.
- An integral keypad to the latch that controls the dead bolt.
- Touch Light Indicator (TLI) that indicates each button press and various functions. Comes with 4 AA lithium batteries.
- It can be retrofitted in most RV entry doors and is easy to install.
- Programmable with a 4-digit PIN number.
- Orange backlit number buttons on the keypad signify the latch is compatible with OneControl.
- An Intelligent Keyless Entry System which knows the position of the deadbolt and indicates low battery strength, as well as providing audible feedback to successful locking and unlocking functions.
- The key will always be able to operate the paddle or deadbolt lock in case of a lost code or a dead battery.

Additional information

Additional information about this product can be obtained from lci1.com/support or by using the LippertNOW app. Replacement kits can be ordered from <https://store.lci1.com/> or by using the LippertNOW app.

The LippertNOW app is available for free on Apple App Store® for iPhone® and iPad® and also on Google Play™ for Android™ users.

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

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

Safety

Read and fully understand all instructions before installing or operating this product.

Adhere to all safety labels.

⚠ CAUTION

THIS CAUTION SYMBOL INDICATES THAT THE FOLLOWING PROCEDURE MAY CREATE A CONDITION WHERE PRODUCT AND OR UNIT MAY BE DAMAGED AND PERSONAL INJURY MAY OCCUR IF STATED PRECAUTIONS ARE NOT FOLLOWED.

⚠ CAUTION

MOVING PARTS CAN PINCH, CRUSH OR CUT. KEEP CLEAR AND USE CAUTION.

⚠ CAUTION

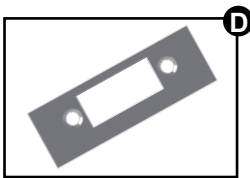
FLYING DUST, DIRT AND DEBRIS CAN CAUSE SEVERE IRRITATION AND DAMAGE TO SOFT TISSUE. USE APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT (PPE), SUCH AS SAFETY GLASSES, BEFORE PERFORMING ANY SERVICE.

Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

Parts List



Lippert Keyless RV Door Lock with Bluetooth

Right-Handed Kit (2022119636)
Left-Handed Kit (2022114114)

Letter	PN	Description	Qty
A	(Listed above)	Lippert Keyless RV Door Lock with Bluetooth	1
B	NA	Keys	2
C	NA	AA Batteries	4
D	NA	Edge Cover	1
E	NA	Striker Plate	1
F	NA	Roundhead Screws 8 x 32	4
G	NA	Flathead Screws 8 x 32	2

NOTE: Part E (Striker Plate) may be used to replace existing striker plate reusing the existing fasteners.

NOTE: Part numbers are shown for identification purposes only. Not all parts are available for individual sale. All parts with a link to the Lippert Store can be purchased.

How to Choose Right-hand or Left-hand Kit

Standing outside of the unit and facing the entry door, if:

- Door hinge is on the right, a Right-hand Kit is needed.
- Door hinge is on the left, a Left-hand Kit is needed

Resources Required

- 1-2 people, depending on task and skill level
- Cordless or electric drill or screw gun
- Work cloth
- Appropriate drive bits
- Utility/putty knife or plastic scraper
- Appropriate drill bits

Installation

Remove Existing Lock

1. Make sure unit is parked and secured.
2. Consult existing door lock instructions for removal tips.

NOTE: During the removal, make sure the existing lock is unlocked so the deadbolt and lock-set do not create unnecessary stress or damage to the door during procedure.

3. Clean the cut-out area of all dirt, loose material, burrs, etc.

Removing Battery Tab

The Lippert Keyless RV Door Lock with Bluetooth comes with batteries pre-installed.

1. Pull the tab (Fig. 1A) to begin powering the lock with the batteries.

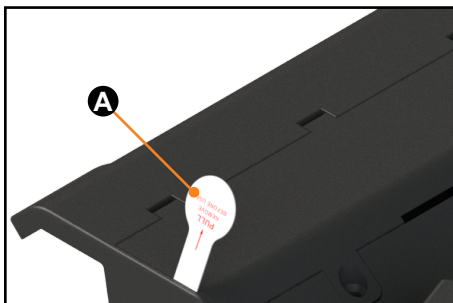


Fig.1

NOTE: Retain product packaging to store the original door lock for possible re-use if the unit is sold. The original lock can be re-installed on the current unit and the Lippert RV Lock moved to a new unit.

Installation into Door

1. Install door latch housing (the portion that includes the keypad) (Fig. 2A) into the door from the outside.

NOTE: The housing assembly may need to be maneuvered in at a diagonal to completely and securely rest in the cut-out.

NOTE: The deadbolt (Fig. 2B) **MUST** be in the unlocked position.

2. With the skinny side of the edge cover (Fig. 2C) going towards the inside of the door/unit, place the edge cover over the door strike and deadbolt.

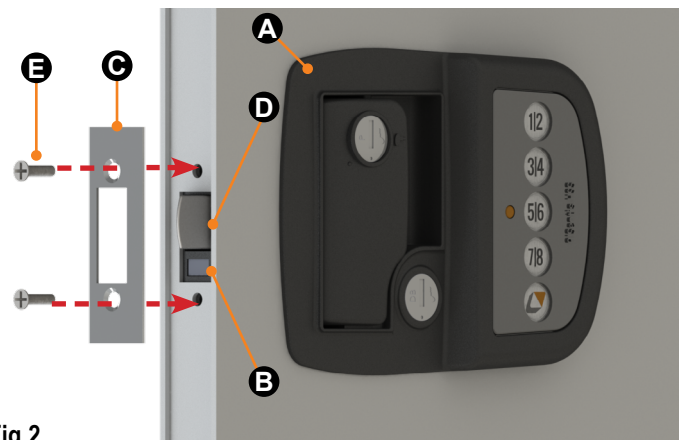


Fig.2

3. Align the edge cover holes over the previous mounting holes.

NOTE: Install the top screw FIRST.

4. Insert the two (2) 8x32 flathead screws (Fig. 2E) into the edge cover holes and fasten into the door using the previous mounting holes.

Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

5. Plug battery wire (Fig. 3A) into the receptacle (Fig. 3B).

NOTE: The plug should make a slight click when properly engaged.

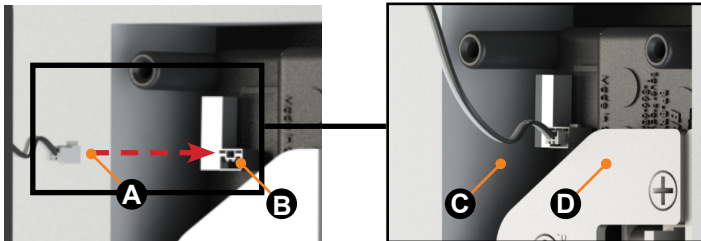


Fig.3

NOTE: Do not pick up or carry the lock by the battery wires. This may cause damage to the lock.

6. Tuck battery wires into pocket (Fig. 3C) next to stamped steel plate (Fig. 3D).

NOTE: Do not allow battery wires to get between inside housing assembly and stamped steel plate as it may cause the motor to bind.

7. Align the deadbolt knob (Fig. 4A) in the unlocked position. The red dots (Fig. 4B) on the deadbolt knob on the inside housing assembly should be aligned to indicate the unlocked position of the deadbolt.

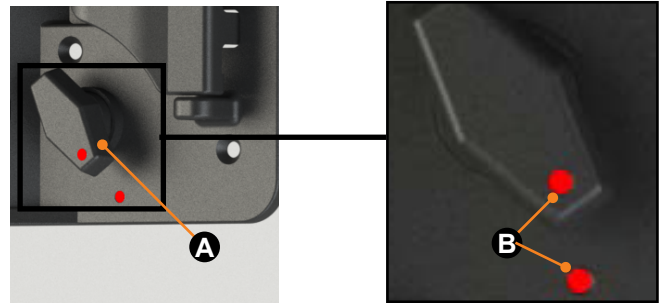


Fig.4

8. Slide deadbolt knob (Fig. 5A) over D-Stem (Fig. 6A).

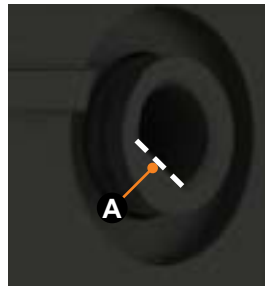


Fig.5

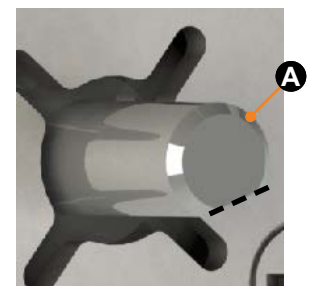


Fig.6

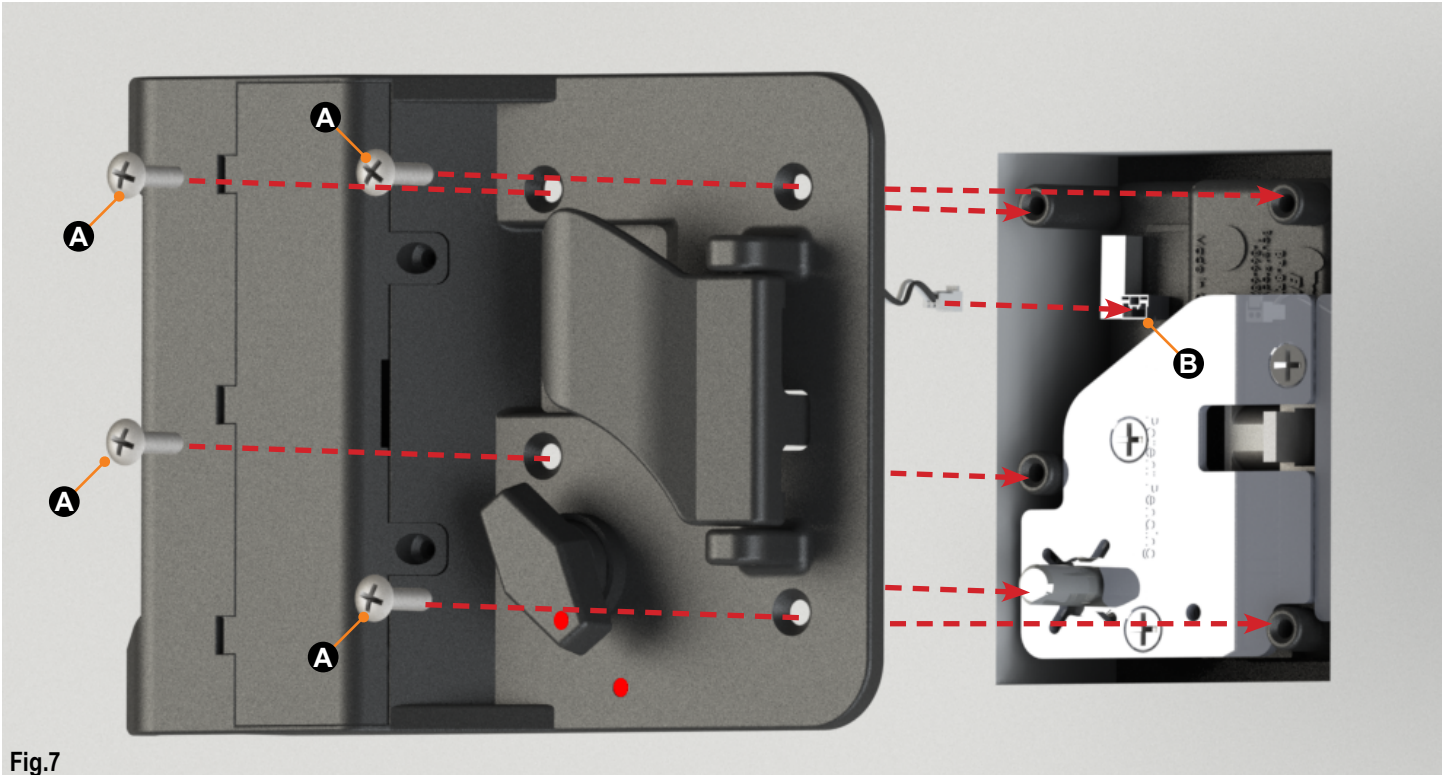


Fig.7

NOTE: Figure 7 shows BEHIND deadbolt knob to show the shape (Fig. 5A) of the D-Stem insertion.

9. Align the 4 screws (Fig. 7A) on the housing with the attaching holes on the inside housing assembly.

NOTE: Figure 7B is unplugged in this image for clarity, but it is plugged in at this stage as shown in Step 5 and Figure 3. Figure 7 shows the back and front assembly installed together.

Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

10. When inside housing assembly is in position with outside half of door latch, install the (4) 8x32 roundhead screws in a criss-cross-'X'-pattern (Fig. 8).

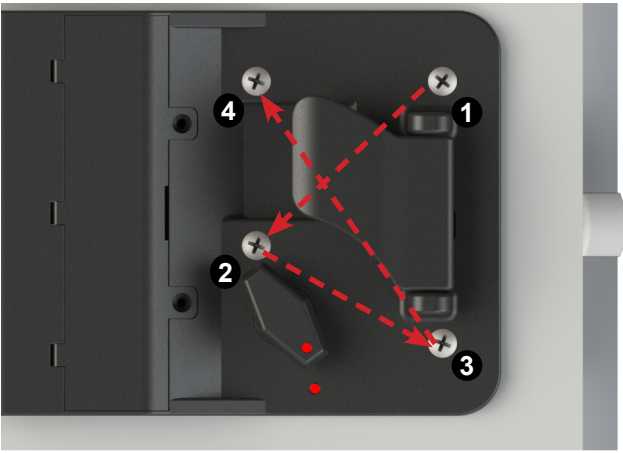


Fig.8

Post Installation Verification

1. Make sure the inside housing assembly is flush with the wall of the door.
2. Make sure the edge of the inside housing assembly is running vertically, completely parallel (Fig. 9A) to the door.



Fig.9

3. Look at the door latch housing (the front cover) and make sure it is also flush with the wall of the door.
4. Open and close the door. Make sure there are no physical obstructions preventing the door from successfully opening and closing.
5. Once the entry code has been programmed and the lock and smart device have been linked, test the lock while the door is OPEN.

A. If the lock does not work, consult the Troubleshooting section to determine the issue.

NOTE: Do not test the lock when the door is closed as this could lock the user out of the unit as well as provide inaccurate feedback. (i.e. the lock may be correctly installed, but there is an obstruction in the door frame).



Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual (For Aftermarket Applications)

Preparation

Download the OneControl App

1. Make sure the smart device is connected to the Internet and Bluetooth is on.
2. Search for "OneControl App" (Fig. 10) in the app store supported by the smart device.



Fig.10

3. Download the app to the smart device and follow the prompts for setting up a new account or logging in to an existing account.

NOTE: For iOS users, visit the Apple App Store ([link](#)) or scan the QR Code below.



NOTE: For Android uses, visit the Google Play store ([link](#)) or scan the QR Code below.



Pairing and using with OneControl App

Once the Lippert Keyless RV Door Lock with Bluetooth has been successfully installed in the door and the OneControl App has been installed on preferred smart device, the two can be paired.

1. Open the OneControl App and tap the "+" icon at the top right hand corner of the screen.
2. Select the Door Lock accessory from the list of accessories and devices.
3. The mobile app will display a screen indicating that the mobile app is ready to pair with the Lippert Keyless RV Door Lock with Bluetooth.
4. The Touch Indicator Light (TLI) will blink blue with two speaker beeps, and then continue to blink blue for 15 seconds until pairing mode times out. When pairing is successful, the mobile app will indicate a successful pairing and the Touch Indicator Light (TLI) will communicate with 2 green blinks and speaker beeps.
5. The mobile app will return to the home screen.

NOTE: This product also works with the Compass Connect and Lippert Connect Apps.

Operation

Mechanical Features

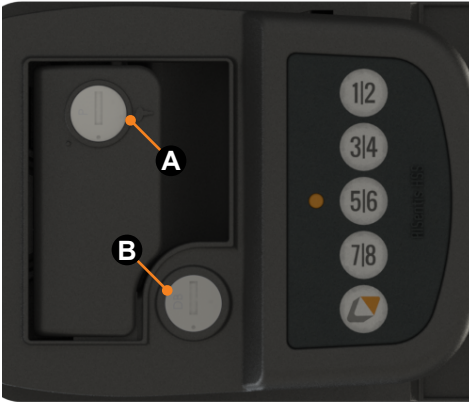


Fig.11

Understanding Lippert Keyless RV Door Lock with Bluetooth Key Holes

The Lippert Keyless RV Door Lock with Bluetooth has two keyholes:

A. Handle: The top keyhole (Fig. 11A) locks and unlocks the handle.

B. Deadbolt: The bottom keyhole (Fig. 11B) locks and unlocks the deadbolt.

Using the Key for Entry

1. Insert key into handle keyhole.
2. Turn key counterclockwise to unlock the handle.
3. Insert key into deadbolt keyhole.
4. Turn key to unlock deadbolt.
5. Pull handle.

Using the Key to Lock

1. Close the door and make sure there are no obstructions between the door and the frame preventing the door and lock from completely closing.
2. Insert key into handle keyhole.
3. Turn key clockwise to lock the handle.
4. Insert key into deadbolt keyhole.
5. Turn key to lock deadbolt.

Keycode and Keypad

Understanding the Keypad

The Lippert Keyless RV Door Lock with Bluetooth incorporates AISentis HSS touch technology. The buttons will illuminate once the numbers are touched and the Touch Indicator Light (TLI) (Fig. 12A) will flash blue.

The 5 buttons are labeled "1|2", "3|4", "5|6", "7|8", and the Lippert Logo (Fig. 12B) which is the "Enter" button.

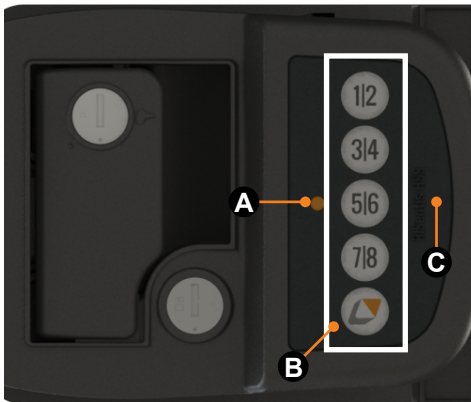


Fig.12

NOTE: The button labeled "1|2" is the same button whether the number 1 or 2 is desired.

This handle uses Touch Technology. The buttons are activated by Touch and do not require a firm push. Touch the button and lift finger from button for proper code entry.

Program New Entry Code

NOTE: The door latch is pre-programmed with a factory entry code "3715".

1. If there was no entry code previously programmed, type in the factory keycode "3715" followed by the "Enter" button.
2. Immediately hold down the "3|4" and "Enter" buttons at the same time for 2 seconds.
3. The door lock will indicate it has entered reprogram keycode mode with 3 blue blinks and speaker beeps from the Touch Light Indicator (TLI) and speaker, and then the keypad will blink orange for 10 seconds.
4. During those 10 seconds in the previous step, type in the new keycode followed by the enter button.

5. The door lock will indicate a successful reprogrammed entry code with 4 green blinks and speaker beeps from the TLI and speaker.

6. The door lock will indicate a failed reprogrammed entry code with 1 long red blink and speaker beep from the TLI and speaker.

NOTE: If you enter an entry code longer than 4 numbers, the door latch will only accept the last four keypad entries.

Using the Keypad for Entry

After a valid code has been programmed, that code can be entered for entry.

1. Touch the area next to the buttons (Fig. 12C) to wake up the lock.
2. The buttons will illuminate when the lock is "awake" and will be ready to accept the code.
3. Enter programmed entry code to unlock for entry.

Using the Keypad to Lock

The Lippert Keyless RV Door Lock with Bluetooth can be locked two different ways.

- A. Enter the entry code and press the Enter button.
- B. Quick Lock function by simultaneously touching both the "7|8" button and the Enter button.

NOTE: If the incorrect entry code is entered, the Lippert Keyless RV Door Lock with Bluetooth will indicate a failed lock/unlock command with 1 long red blink and speaker beep from the TLI and speaker.

Touch Light Indicator (TLI)

Please reference the following Touch Light Indicator (TLI) Communication Chart.



Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual (For Aftermarket Applications)

Touch Light Indicator (TLI) Communication Chart

Action	Feature	Response
On Power-Up (connection of batteries; nominal battery voltage)	Factory Reset	Blink Green for 6 seconds
On Power-Up (connection of batteries; low battery voltage)	Low Battery Alert Factory Reset	4 Short Beeps 4 Red Light Flashes Blink Green for 6 seconds
Key Press (nominal battery voltage)	Key Press	1 Short Beep 1 Blue Light Flash Keypad Illuminates
Key Press (low battery voltage)	Key Press Low Battery Alert	4 Short Beeps 4 Red Light Flashes Keypad Illuminates
Successful Deadbolt Lock or Unlock (nominal battery voltage)	Lock/Unlock Command	2 Short Beeps 2 Green Light Flashes
Failed Deadbolt Lock or Unlock (nominal battery voltage)	Lock/Unlock Command	1 Long Beep 1 Red Light Flash
Successful Deadbolt Lock or Unlock (low battery voltage)	Low Battery Alert	4 Short Beeps 4 Red Light Flashes
Failed Deadbolt Lock or Unlock (low battery voltage)	Low Battery Alert	4 Short Beeps 4 Red Light Flashes
Attempt Deadbolt Lock or Unlock while Low Battery Lockout is active	Low Battery Alert	4 Short Beeps 4 Red Light Flashes
Wrong Keycode/Feature Code/Pairing Mode Timeout	Multiple	1 Long Beep 1 Red Light Flash
Successful Factory Reset	Factory Reset	2 Short Beeps 2 Green Light Flashes
Enter Reprogram Keycode Mode	Reprogram Keycode	3 Short Beeps 3 Blue Light Flashes
Within Reprogram Keycode Mode	Reprogram Keycode	Keypad Blinks Orange for 10 seconds
Successful Reprogram Keycode	Reprogram Keycode	4 Short Beeps 4 Green Light Flashes
Enter Pairing Mode	Pairing Mode	2 Beeps 2 Blue Light Flashes
Within Pairing Mode	Pairing Mode	Blink Blue for 15 seconds
Within Storage Power Mode	Power Modes	Slow Blink Blue for 60 seconds (blink once every second)
Key Press (storage power mode)	Power Modes	Slow Blink Blue for 60 seconds (blink once every second)

Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

Maintenance

General Guidelines

- Make sure there are no obstructions in the door frame to prevent deadbolt extension.
- Do not wash with power washer or high pressure cleaner. Lippert Keyless RV Door Lock with Bluetooth is designed to resist water intrusion to protect its electrical components from normal water encounter such as rain.
- The Lippert Keyless RV Door Lock with Bluetooth uses Touch Technology. The buttons are activated by touching not pressing.
- Remove batteries when storing or not using this lock for extended periods of time.

Battery Replacement

Batteries are pre-installed in Lippert Keyless RV Door Lock with Bluetooth. As the lock is used, batteries may need to be replaced.

⚠ CAUTION

USE ONLY AA 1.5 VOLT ALKALINE OR LITHIUM NON-RECHARGEABLE BATTERIES. BE SURE TO INSTALL BATTERIES OBSERVING PROPER POLARITY. NEVER MIX OLD AND NEW BATTERIES. REMOVE DISCHARGED BATTERIES PROMPTLY TO PREVENT DAMAGE.

1. Loosen two (2) 6x32 captured screws (Fig. 13A) on battery compartment lid (Fig. 13B).

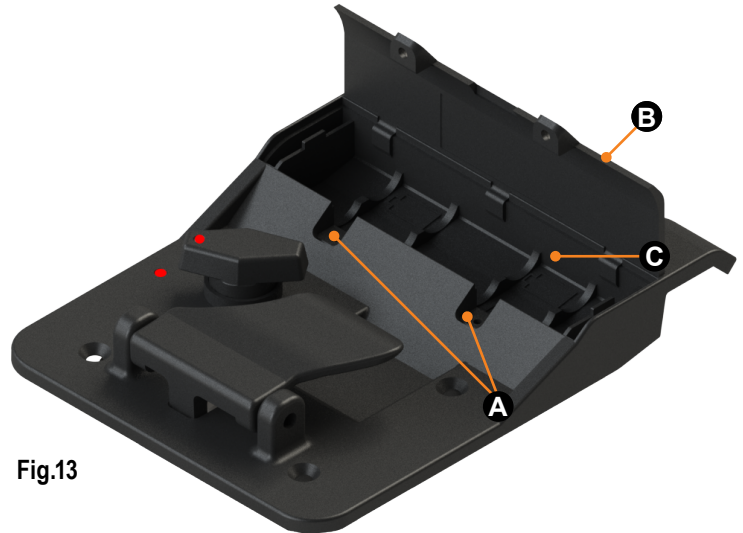


Fig.13

NOTE: These screws are captured to the battery compartment lid so they will not fall out.

2. Install four (4) AA batteries in accordance with the orientation shown in the battery compartment (Fig. 13C). The batteries will fit tightly.
3. Return screws into battery compartment lid.

Additional Battery Safety

- The Lippert Keyless RV Door Lock with Bluetooth is designed to function for months of normal usage with fresh, high quality AA batteries.
- Battery life is highly dependent upon battery quality, usage, temperature and environment.



Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

Low Battery Lockout

1. When the batteries on your Lippert Keyless RV Door Lock with Bluetooth are too low for operation, the door lock will indicate that it has entered Low Battery Lockout with 4 red blinks and speaker beeps from the TLI and speaker.
2. Once Low Battery Lockout is activated, the user will be able to perform 9 or 10 lock and unlock cycles (depending on the state of the deadbolt when Low Battery Lockout was activated). This is so that the door lock will not be locked out when the deadbolt is in the locked position. The Low Battery Lockout function will always complete with the deadbolt in the unlocked position.
3. Once the user has performed the remaining lock and unlock cycles, the door lock will not accept any more lock and unlock commands from either the keypad or the mobile app.
4. The user must replace the low batteries with a set of new batteries in order to deactivate low battery lockout.
5. The user can continue to use the door lock's other functions, as well as use the key to lock and unlock the deadbolt.

Rain Sensing Technology

The Lippert Keyless RV Door Lock with Bluetooth possesses Rain Sensing Technology in order to preserve battery life. Please note rain will wake up the keypad and illuminate the buttons. After a few seconds of contact from rain (water) the lights will turn off, but a code still can be entered and the lock will function normally. The same effect will occur if the operator continues to touch the keypad for a prolonged period of time. Initially the Buttons will illuminate, but then turn off. Again the lock will function normally.

Resetting to Factory Preset Code

1. Remove the batteries or unplug the battery connector from the exterior side of the door lock and wait 10 seconds.
2. Reinsert the batteries or plug in the battery connector; when the door lock is powered, the TLI will blink green for 10 seconds.
3. Within the next 10 seconds, press the "1|2" and "3|4" buttons at the same time for 2 seconds.
4. The Lippert Keyless RV Door Lock with Bluetooth will indicate a successful factory reset of the entry code with 2 green blinks and speaker beeps from the TLI.



Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual

(For Aftermarket Applications)

Troubleshooting

Bluetooth Concerns

What is happening?	Why?	What should be done?
Lock not found when trying to add it to the OneControl App.	Bluetooth permissions not enabled in the smart device's settings	Ensure Bluetooth is enabled in smart device's settings.
	Location permissions not enabled in the smart device's settings	Ensure Location permissions are enabled in smart device's settings.
Pairing Fails	Smart Device is not finding Lippert Keyless RV Door Lock with Bluetooth in Connected Devices	<ul style="list-style-type: none"> • Completely close "OneControl App." • Navigate with smart device settings to "Connected Devices" • Find the Lippert Keyless RV Door Lock with Bluetooth and select "Forget device" AND THEN make sure the Lippert Keyless RV Door Lock with Bluetooth can still be detected • Reopen OneControl App and repair
Lock Status "Unavailable" even when in range	Error within app. <i>Android and iOS</i> <ul style="list-style-type: none"> • Within OneControl App, select the settings icon for the lock that is shown as unavailable • Select the trash can in the top right corner of the setting window • Select "Delete" or "Yes" on the popup to confirm deletion of the lock from the app 	<i>Android only</i> <ul style="list-style-type: none"> • Navigate with smart device settings to "Connected Devices" • Find the Lippert Keyless RV Door Lock with Bluetooth and select "Forget device" AND THEN make sure the Lippert Keyless RV Door Lock with Bluetooth can still be detected • Reopen "OneControl App" and repair
		<i>iOS only</i> <ul style="list-style-type: none"> • Navigate with smart device settings to "Privacy" • Ensure Location permissions are enabled in smart device's settings. • Reopen "OneControl App" and re-pair
Permissions always denied when opening the app	Smart device settings need to be changed to enable location to be used all the time.	<ul style="list-style-type: none"> • Completely close "OneControl App" • Navigate within the smart device settings to "Permissions" • Select "Location" and then select "Allow all the time" • Reopen "OneControl App" and repair
Lock not found when trying to add to the app	"Location Services" not turned on in smart device's Privacy settings	<ul style="list-style-type: none"> • Navigate with smart device settings to "Privacy" • Ensure Location permissions are enabled in smart device's settings. • Reopen "OneControl App" and re-pair
Door lock doesn't perform lock/unlock or power mode command	Possibly due to poor connectivity to the door lock (e.g. distance, obstructions in the way)	<ul style="list-style-type: none"> • Move closer to door lock; approximately 15 feet (4.5 meters). • Ensure there are no large obstructions between phone and door lock.



Lippert Keyless RV Door Lock with Bluetooth

Installation and Owner's Manual (For Aftermarket Applications)

Physical Device

What is happening?	Why?	What should be done?
Keypad does not work	Batteries are dead	Check that batteries are properly installed and replace if necessary
	Batteries are not installed properly	
	Plug not engaged properly	
Deadbolt not engaging into Door Frame	Obstruction in Door Frame	Check that plug is properly installed
Code not working	Entered code did not take	Check to make sure nothing is in the door frame that could hamper operation, especially around the lock and deadbolt area
Buttons light but deadbolt does not activate	Batteries are dead	Remove batteries for 10 seconds then Program New Code
	Batteries are not installed properly	
Replace batteries		
Inside paddle not opening latch	Inside screws are not secured to the housing.	Tighten screws and retry

Notes

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