



BATTERY MONITOR
OEM INSTALLATION MANUAL

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Introduction

The Lippert Battery Monitor works with 12 volt, lead-acid batteries and allows the user to monitor battery status and condition via the Lippert OneControl app.

Additional information about this product can be obtained from 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.

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For information on the assembly or individual components of this product, please visit:
<https://support.lci1.com/battery-monitor>

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, including voiding of the Lippert limited warranty.

WARNING

The "WARNING" symbol above is a sign that a procedure has a safety risk involved and may cause death or serious personal injury if not performed safely and within the parameters set forth in this manual.

WARNING

Failure to follow instructions provided in this manual may result in death, serious personal injury and/or severe product and property damage, including voiding of the component warranty.

CAUTION

The "CAUTION" symbol above is a sign that a safety risk is involved and may cause personal injury and/or product or property damage if not safely adhered to and within the parameters set forth in this manual.

CAUTION

Always wear eye protection when performing service, maintenance or installation procedures. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the task.

Resources Required

- 3/8 inch socket wrench
- Two (2) #8 Phillips pan head screws
- 1/4" spade terminal
- Two (2) 1/4" ring terminals
- Smart device
- OEM Pairing Tool app

Preparation

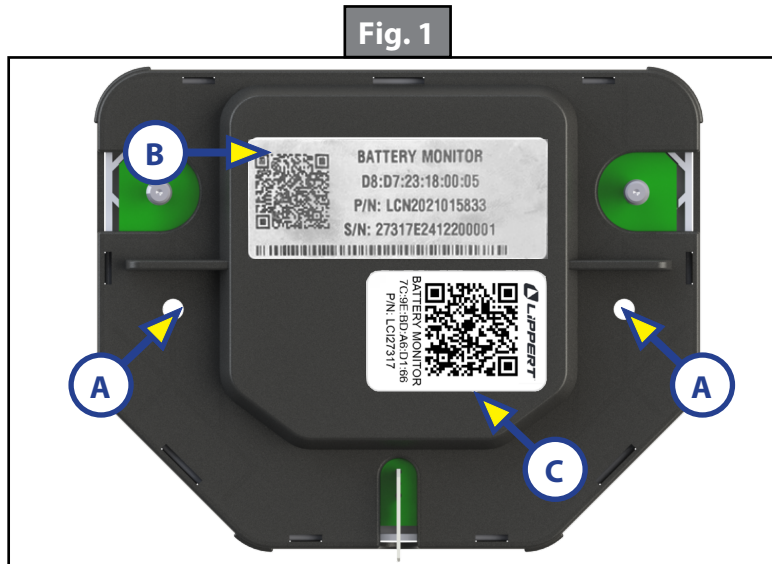
Determine Installation Location

The Battery Monitor should be installed inside of the unit, in the basement, the pass-through, or another dry area with easy access to the battery cables. It should be mounted to a wall.

Installation

Mounting

1. Carefully remove cover of Battery Monitor.
2. Connect the OEM Battery Monitor to the unit wall using two #8 Phillips pan head screws (Fig. 1A).



NOTE: There are TWO (2) QR Codes on the Battery Monitor.

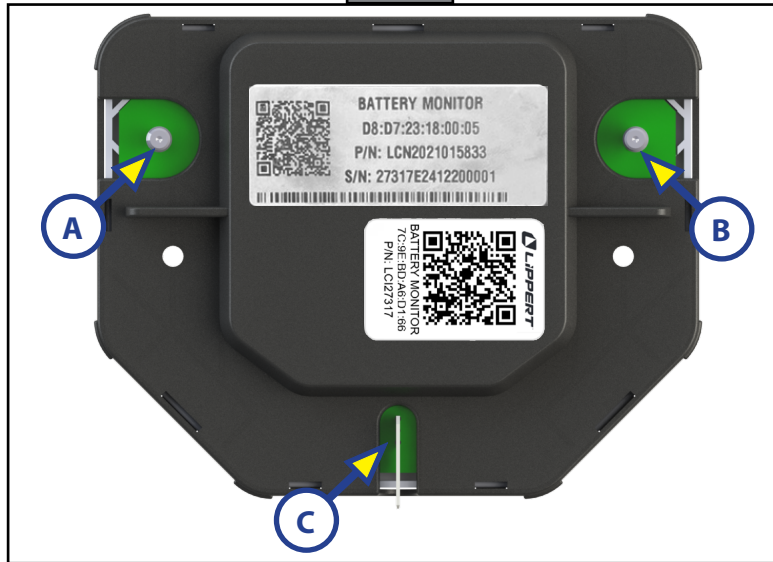
- A. Figure 1B, the QR Code on top, will be visible through the Battery Monitor cover. This code can be scanned by the end user to pair a smart device to the Battery Monitor.
- B. Figure 1C, the QR Code on bottom, is a redundant label for OEM installers use to place in an easily-accessible location for the end user.

Wiring

1. Connect the positive side of the battery to the left post using a ¼" ring terminal (Fig. 2A).

NOTE: If installing a disconnect switch, it is recommended to install the disconnect switch between the +12V side of the battery and the Battery Monitor.

Fig. 2



2. Connect the positive side of the unit to the right post using a ¼" ring terminal (Fig. 2B).
3. Use a 3/8" socket to securely tighten the terminals (60 in-lbs is recommended).
4. Connect the negative side of the battery to the bottom spade terminal (Fig. 2C) using a ¼" spade terminal.

QR Code Removal

1. Peel to remove the bottom QR Code sticker (Fig. 1C).
2. Place the QR Code in an easily-accessible location for the end user.

Cover

Snap the cover in place (Fig. 3A).

Fig. 3



Connecting the Battery Monitor to OneControl

OEM Bluetooth Pairing Process

For pairing at the OEM, Lippert developed an OEM Pairing Tool which allows a team member to quickly pair Lippert Bluetooth accessories.

Pairing tool requirements

- The OEM Pairing Tool app that works with Android devices with OS of 8 or higher.
- The Pairing Tool requires camera access for VIN scanning and QR Code scanning.
- The Pairing Tool requires Bluetooth Low Energy

Using the VIN (Fig. 4)

Either scan the VIN or manually enter the VIN of the unit from the build sheet. The VIN must include all 17 digits. Select the model and floor plan and click start (Fig. 4).

Fig. 4

VIN and Floorplan

Enter or Scan VIN

Enter VIN

Select Model

Select Floorplan

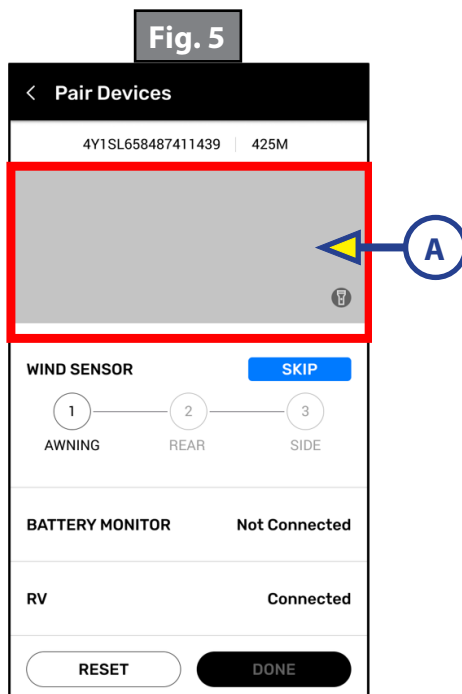
START

NOTE: If the VIN was used for the pairing process previously, the notification “Existing VIN You have already paired using this VIN” will appear. Click cancel or continue to proceed.

The VIN and floor plan number will appear at the top of the screen.

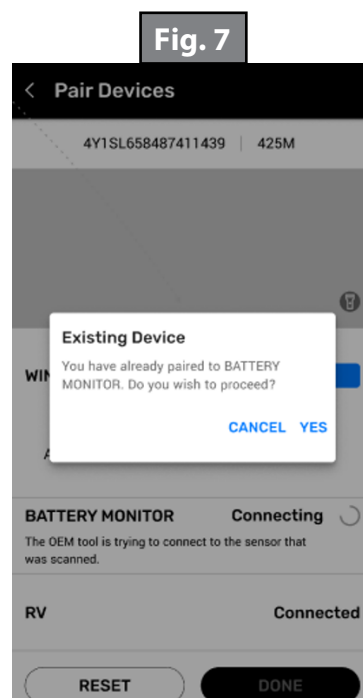
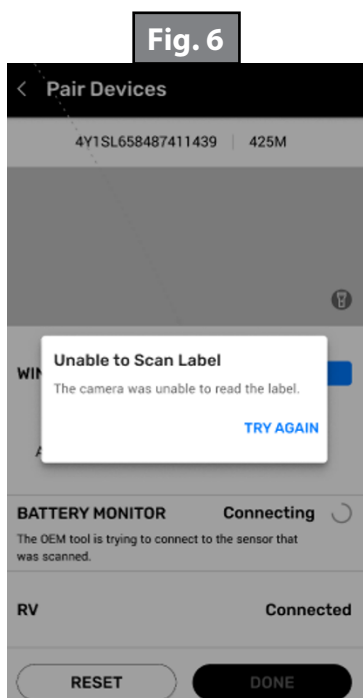
QR Label Scanning (Fig. 5)

The gray area (Fig. 5A) is used for pairing. Scan the battery monitor QR code label.



Once the QR code has been scanned correctly, it will display a status change:

- A. If the label was unable to scan, there will be a notification that it was unable to scan and to try again (Fig. 6).
- B. If label has already been paired, there will be a notification that it is an existing device. Choose to pair the device again or cancel (Fig. 7).



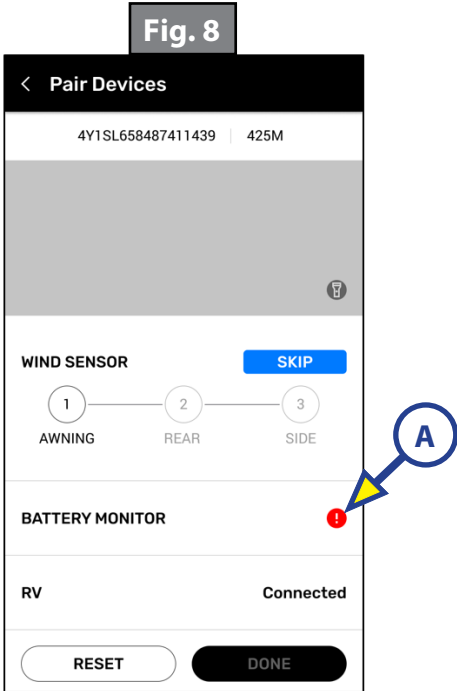
Statuses of the Devices Through the Pairing Process

NOTE: Initial state for all devices will display “Not Connected”.

Status Icon in App		What It Means?
Connecting		QR Code was scanned.
Connected		App was able to locate the device based on the QR Code scanned.
Verifying		Finalizing the setup to pair with the device, and verifying that it can read data from the device.
Verified		Final status change once pairing is properly completed.

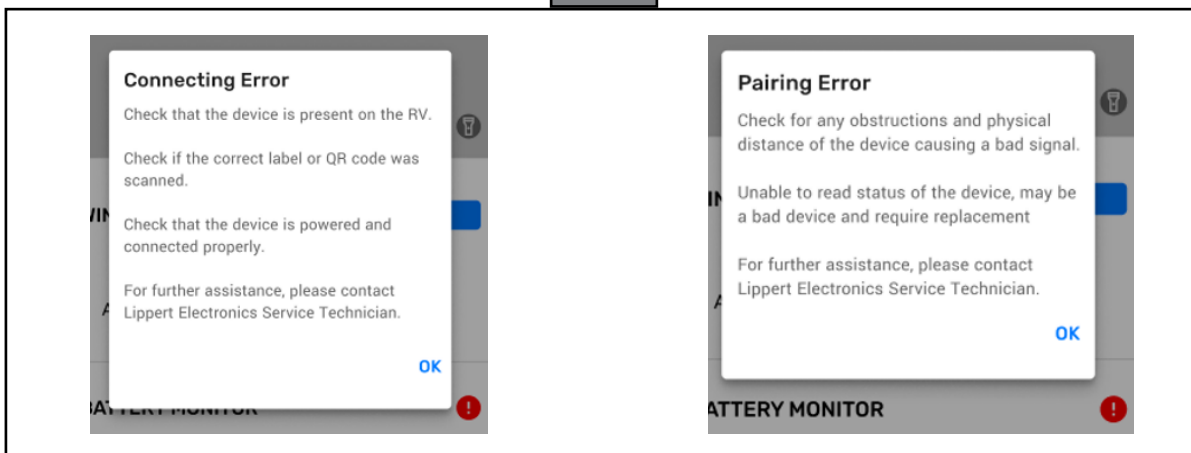
Errors

If there is an error during setup, a red alert (Fig. 8A) will appear next to the device.



Tap the alert to expand the pop-up notifications (Fig. 9).

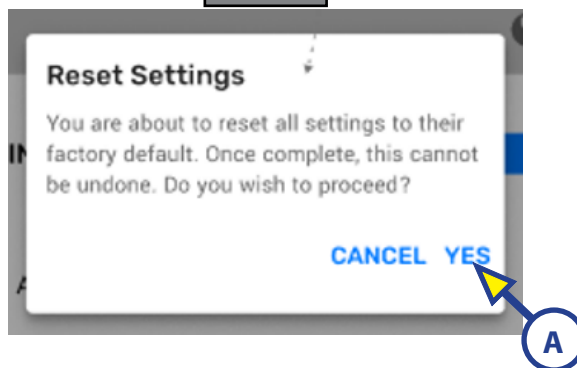
Fig. 9



Resetting

It may be necessary, during setup or changes in usage, to reset the Battery Monitor. The reset button is on the bottom of the screen. Tap, and a notification will display (Fig. 10). Select "YES" (Fig. 10A) to reset. The user will then be redirected to the main app screen.

Fig. 10



Troubleshooting

If the pairing process was incomplete, tap the "DONE" button at the bottom of the screen. A notification will appear stating that the configuration was incomplete. Consult with Lippert Plant 68B representatives for further assistance.



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