Lippert Insight™ BACK-UP CAMERA
OWNER'S MANUAL

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Introduction

The Lippert Insight™ Back-up Camera is a 12V camera that streams wireless video to a mobile device using the OneControl application showing the rear view of the trailer.

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 differ.

Additional information about this product can be obtained from lci1.com/support 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.

For information on the assembly or individual components of this product, please visit:

https://support.lci1.com/lippert-insight-back-up-camera

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.

⚠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.

Camera Setup

Note: In order for the back up camera to function, the running lights must be ON. The camera requires power in order to operate, and the running lights are the typical power source.

1. Download and install the Lippert OneControl app (Fig. 1) for either and iOS or Android mobile device.

   Note: Make sure that Wi-fi on the smart device is turned on.

2. Start the Lippert OneControl app by tapping the OneControl icon (Fig. 2A) to launch the app.
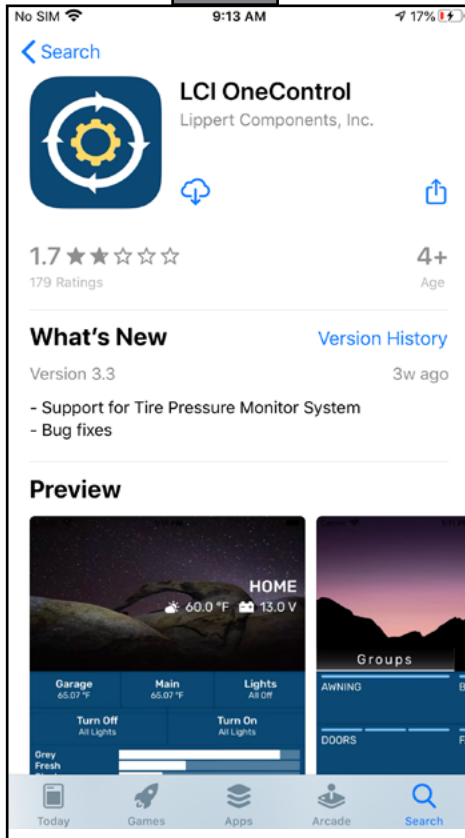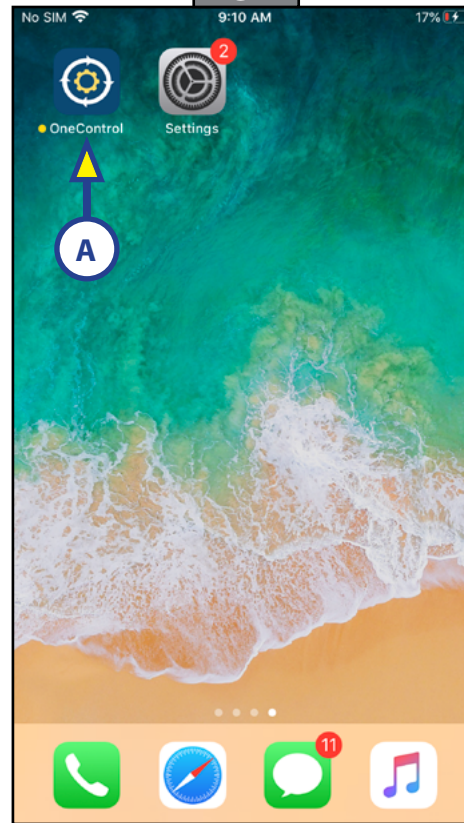

Fig. 1

Fig. 2

3. Read through and accept the License Agreement by tapping I Accept>> (Fig.3A).
4. Login to access the camera by tapping Login>> (Fig. 4A).
   A. If you have an existing community account, fill in your email and password for that account and tap Login (Fig. 5A).
   B. Or continue with Facebook, Google, Apple ID, or Create Your Account (Fig. 5B).
5. Begin connecting the OneControl app to the new camera by tapping Let's Go>> (Fig. 6A).
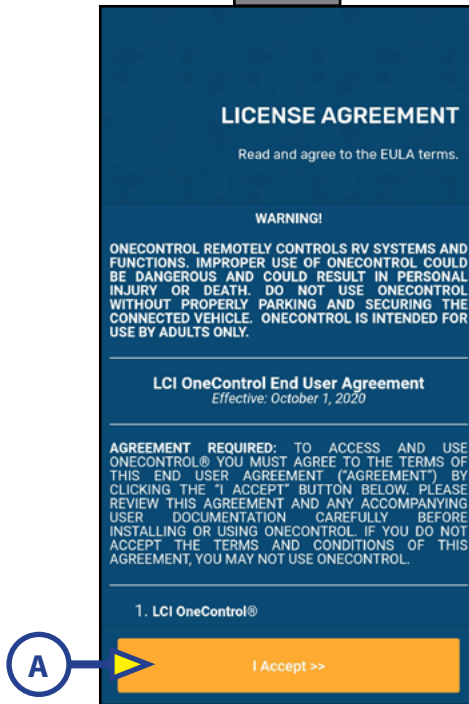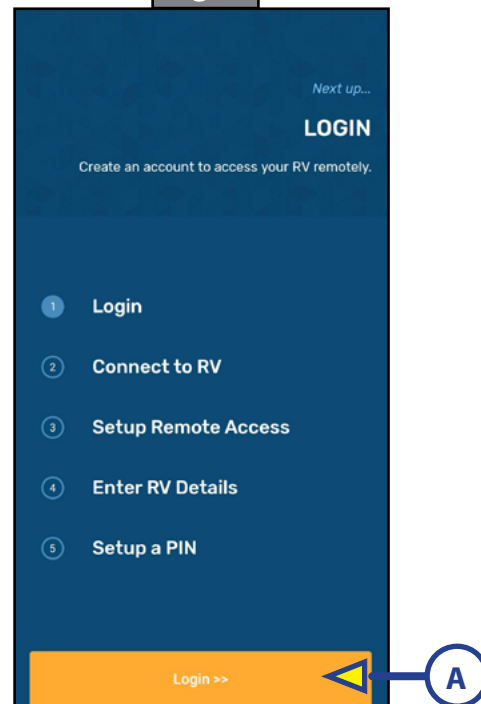

Fig. 3

LICENSE AGREEMENT

Read and agree to the EULA terms.

WARNING!

ONECONTROL REMOTELY CONTROLS RV SYSTEMS AND FUNCTIONS. IMPROPER USE OF ONECONTROL COULD BE DANGEROUS AND COULD RESULT IN PERSONAL INJURY OR DEATH. DO NOT USE ONECONTROL WITHOUT PROPERLY PARKING AND SECURING THE CONNECTED VEHICLE. ONECONTROL IS INTENDED FOR USE BY ADULTS ONLY.

LCI OneControl End User Agreement
Effective: October 1, 2020

AGREEMENT REQUIRED: TO ACCESS AND USE ONECONTROL® YOU MUST AGREE TO THE TERMS OF THIS END USER AGREEMENT ("AGREEMENT") BY CLICKING THE "I ACCEPT" BUTTON BELOW. PLEASE REVIEW THIS AGREEMENT AND ANY ACCOMPANYING USER DOCUMENTATION CAREFULLY BEFORE INSTALLING OR USING ONECONTROL. IF YOU DO NOT ACCEPT THE TERMS AND CONDITIONS OF THIS AGREEMENT, YOU MAY NOT USE ONECONTROL.

1. LCI OneControl®

A — I Accept >>

Fig. 4

Next up...

LOGIN

Create an account to access your RV remotely.

1. Login
2. Connect to RV
3. Setup Remote Access
4. Enter RV Details
5. Setup a PIN

Login >> — **A**

Fig. 5

× Login
lippert.force.com

Login

Email

Password

Forgot your password?

Login

A

Continue with Facebook

Sign in with Google

Sign in with Apple

Or

Create Your Account

B

Fig. 6

Next up...

CONNECT TO RV

Control devices in your RV by connecting your mobile device and RV.

1. Login
2. Connect to RV
3. Setup Remote Access
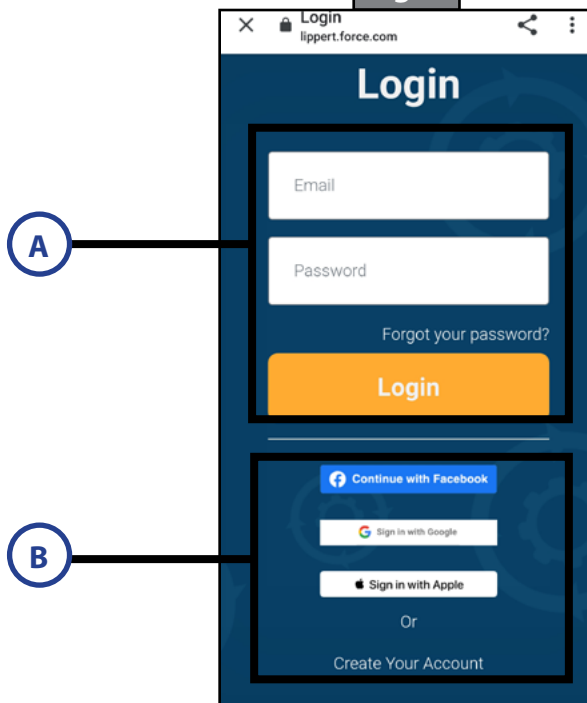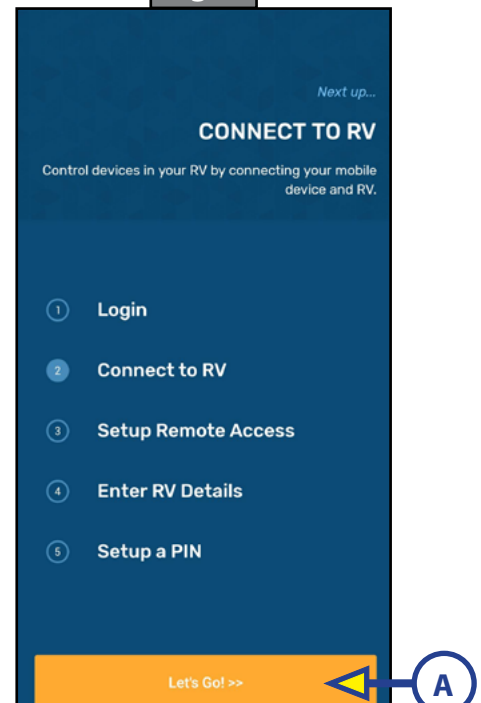4. Enter RV Details
5. Setup a PIN

Let's Go! >> — **A**

6.   Choose Scan with Camera (Fig7A).
     A.   Tap Grant Location Permissions (Fig. 8A) and grant location permissions to the app.
     B.   Tap Grant Camera Permissions (Fig. 8B) and grant camera permissions to the app.
7.   Scan the gateway label (Fig 9). This label is found on the bottom of the camera (Fig. 10A) and also on a
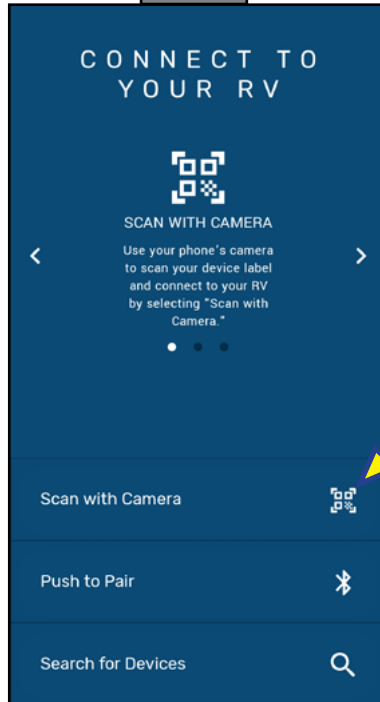   sticker placed in the unit by the OEM.
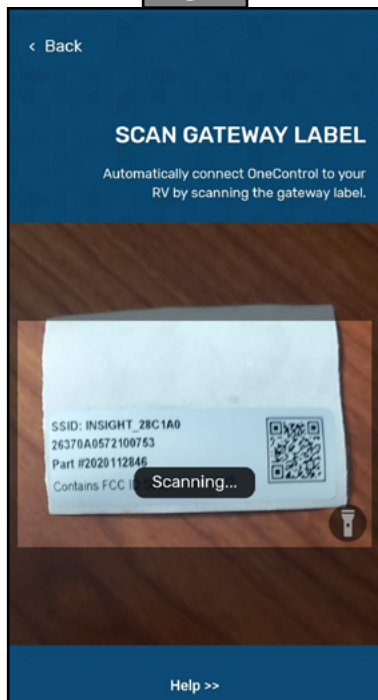

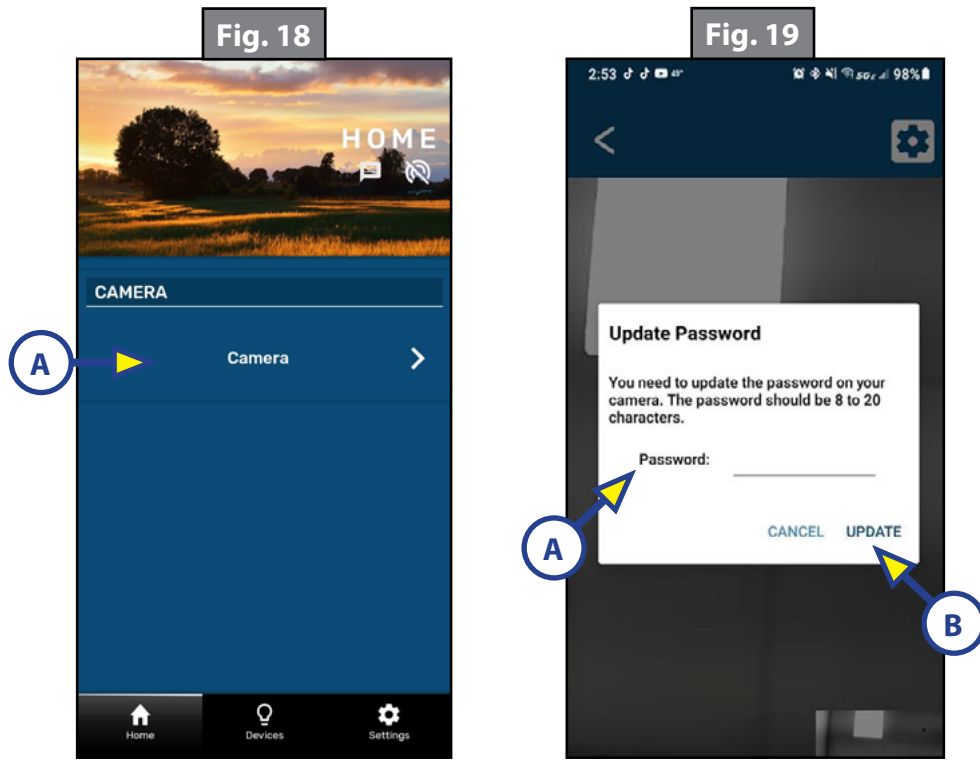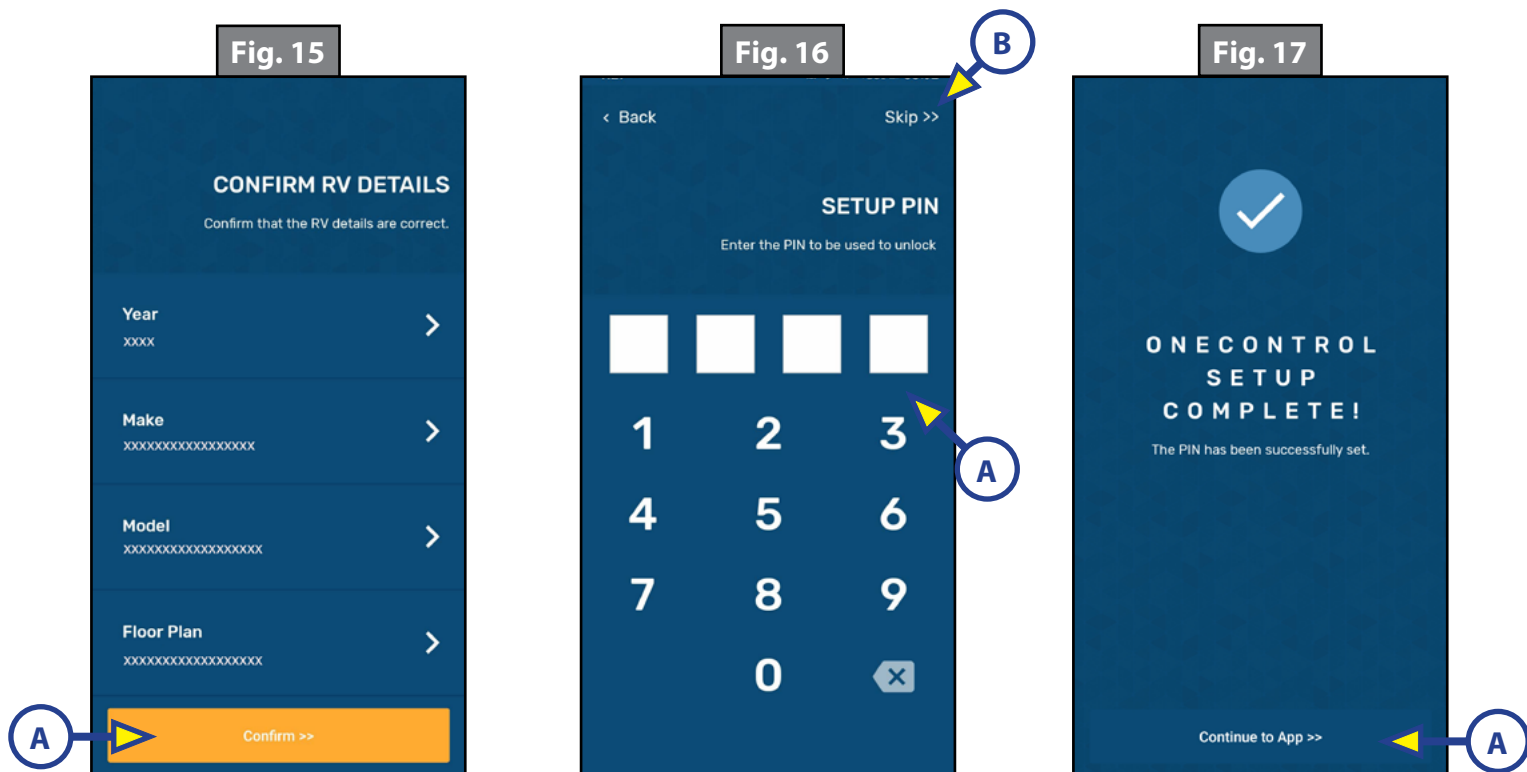Fig. 7

Fig. 8

Fig. 9

Fig. 10

8. The ID field will auto populate with the camera's SSID number (Fig. 11A) and the Password field (Fig. 11B) will be blank. No password is needed at this time. Tap Connect>> (Fig. 11C).

Note: Be sure that the mobile device's Wi-fi is turned on. If Wi-Fi is not on, the app will prompt you to turn it on.

9. The app will ask to connect the mobile device to a temporary Wi-Fi network. The temporary Wi-Fi network is the camera. Tap Connect (Fig. 12A).
10. RV Connected Successfully should now be showing on your mobile device. Tap Continue>> (Fig. 13A).
11. Tap Let's Go>> (Fig. 14A) to enter the Year, Make, Model, and Floor Plan of your RV.

Fig. 11

Fig. 12

Fig. 13

Fig. 14
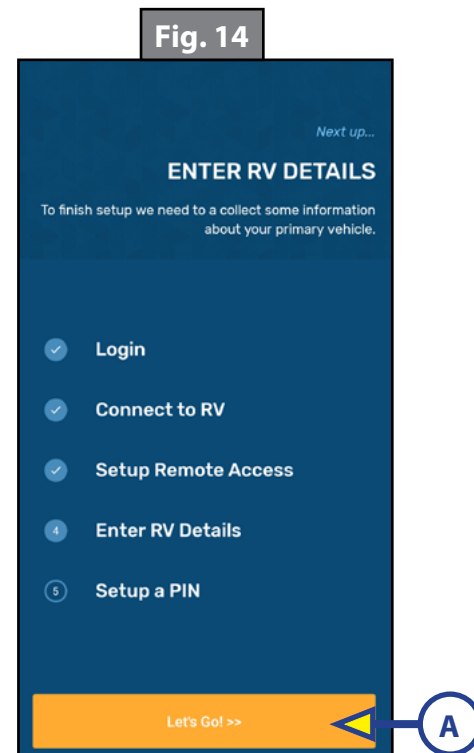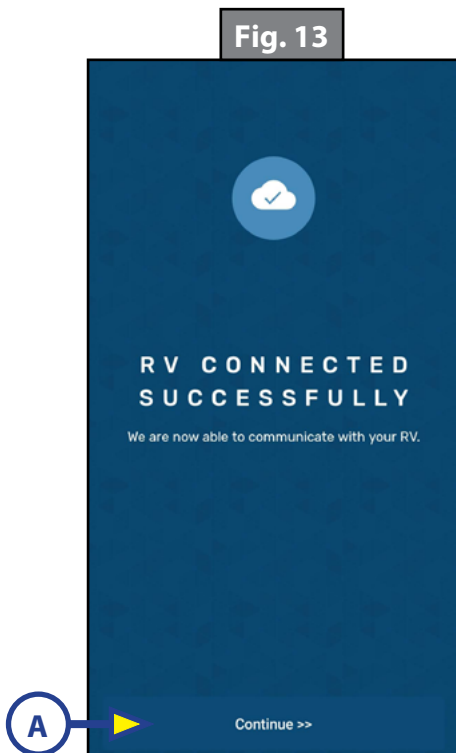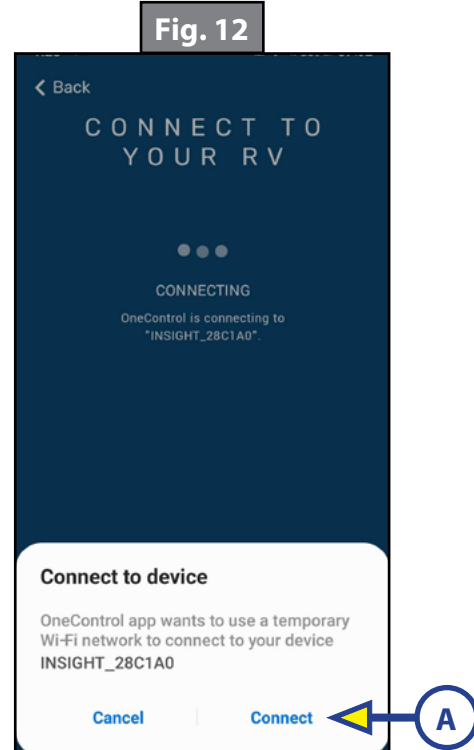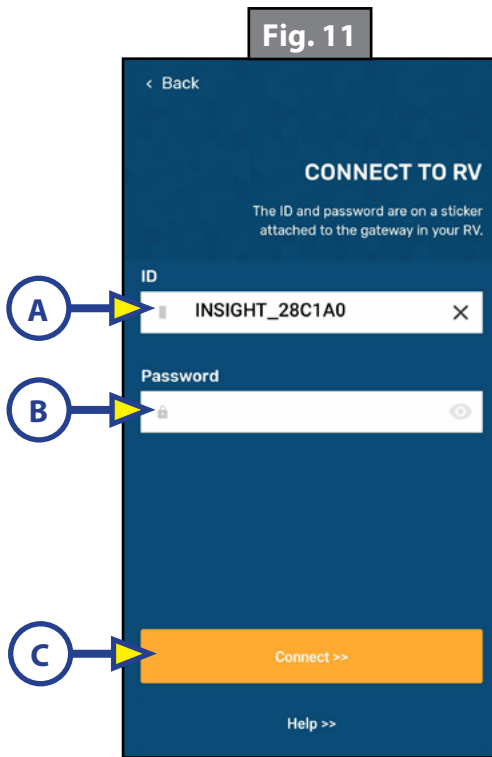
12. Confirm the details entered by tapping Confirm>> (Fig. 15A).
13. Set up a 4-digit security pin for the OneControl app (Fig. 16A).

Note: You can skip the Pin Setup by tapping Skip>> (Fig. 16B).

14. OneControl app setup is now complete, tap Continue to App>> (Fig. 17A).
15. Tap Camera (Fig. 18A) to open the back-up camera view.
16. The app will now ask you to set up a password for connection to the back-up camera (Fig 19A). Enter a password that is at 8 characters but no more than 20 characters in length.
17. Tap Update (Fig. 19B).

Fig. 15

CONFIRM RV DETAILS
Confirm that the RV details are correct.

Year
XXXX

Make
XXXXXXXXXXXXXXXXX

Model
XXXXXXXXXXXXXXXXX

Floor Plan
XXXXXXXXXXXXXXXXX

A → Confirm >>

Fig. 16

B

‹ Back   Skip >>

SETUP PIN
Enter the PIN to be used to unlock

☐ ☐ ☐ ☐

1 2 3
4 5 6
7 8 9
   0 ⌫

A

Fig. 17

✓

ONECONTROL
SETUP
COMPLETE!

The PIN has been successfully set.

Continue to App >> ← A

Fig. 18

HOME

CAMERA

A → Camera ›

Home   Devices   Settings

Fig. 19

2:53 ⏱ ⏱ ▶️ 4ᴳ   98%

‹   ⚙

Update Password

You need to update the password on your camera. The password should be 8 to 20 characters.

Password: _____

A

CANCEL   UPDATE

B

Operation

Note: In order for the back up camera to function, the running lights must be ON. The camera requires power in order to operate, and the running lights are the typical power source.

1. When in full view (Fig. 20), you can use your thumb and index finger to "pinch zoom" the main viewing area of the camera.
2. While zoomed in, a small full view window will appear in the lower right corner of the screen (Fig. 21A).
    A. Use your index finger to move around the main zoomed in view.
    B. Double tap the full view window (Fig. 21A) to return to full camera view (Fig. 20).
3. The gear icon (Fig.20A) may be used to view the current password or change it if desired.
    A. Input new password and tap Update (Fig. 22A).
    B. Remove Camera (Fig. 22B) will remove the camera connection to the OneControl app.


Fig. 20 · **Fig. 21** · **Fig. 22**

⚠ **CAUTION**
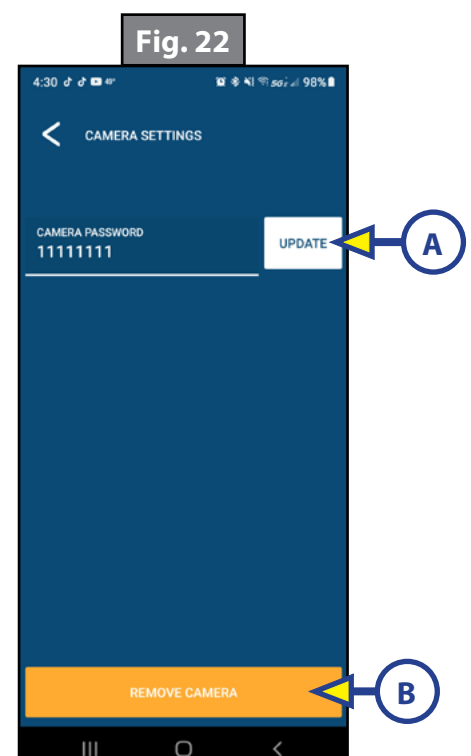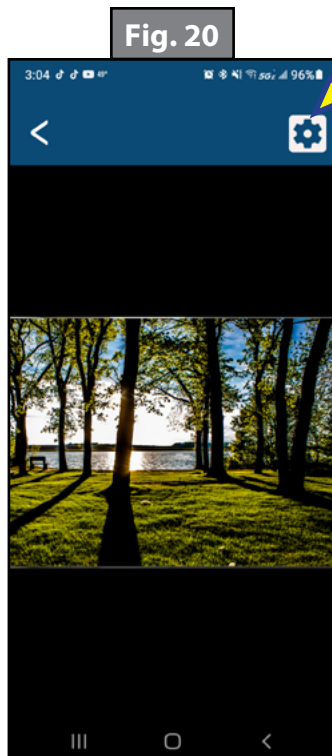
**Adhere to all product or tool safety labels and weight limits to prevent possible personal injury.
Do NOT exceed product/tool weight limits.**

Troubleshooting

Note: The Lippert Back-up Camera is adjustable for acceptable visibility.

1. With a ladder, climb to location of the camera, which is located on the back of unit (Fig. 23).
2. Rotate camera up or down to achieve the desired view (Fig. 24).

Fig. 23 — Camera · **Fig. 24**
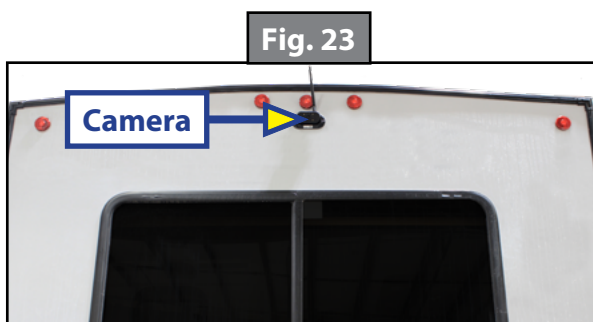
What is happening?	Why?	What should be done?
Mobile device does not connect to camera.	Camera not powered up.	Turn battery disconnect on. Connect to shore power. Connect 7-way to tow vehicle.
	Wi-Fi not turned on.	Make sure Wi-Fi is active on mobile device.
	SSID is not correct.	Check that the SSID in the ID field (Fig. 10) is the same as the SSID shown on the sticker (Fig. 9).
Camera not powering up	Running lights are OFF.	Be sure running lights are ON. The camera requires power in order to operate, and the running lights are the typical power source.
Camera is displaying a blank screen after connection.	Another mobile device is connected to the camera.	Power down or restart other connected mobile devices.
	Cycle power to unit.	Remove power from camera for 2 minutes by cycling battery disconnect, disconnection and reconnection of shore power and the 7-way connector.
	Not connected to Wi-Fi.	Check Wi-Fi connections on mobile device. Connect to Wi-Fi network within mobile device's Wi-Fi manager, no password needed.
	Mobile device disconnected from camera Wi-Fi due to lack of Internet connection.	Select "continue to use network", or "keep network and use mobile data" when menu pops up on mobile device

If further assistance is required, please contact the Lippert Customer Care Center.
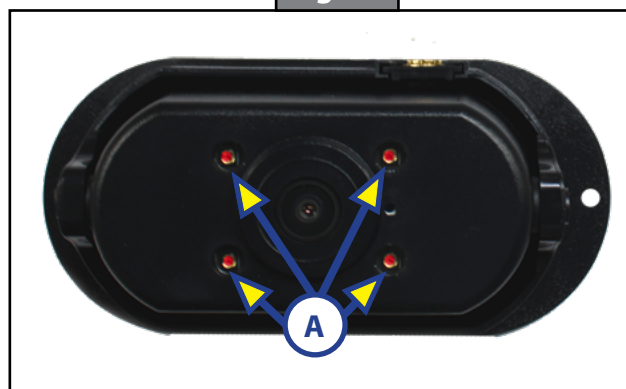
Camera reset

In the event that the password is forgotton, lost, or is unknown to the current user, a reset procedure can be performed to reset the camera to a factory installation state. Perform the following steps:

1. Press the reset button, located on the bottom of the camera (Fig. 25A) for 15 seconds.

   Note: During reset, you should see the four red LEDs around the camera light up for approximately 1 second (Fig. 26A).

2. Disconnect all power from the trailer for 2 minutes:
   A. Turn off battery disconnect.
   B. Disconnect shore power.
   C. Disconnect the 7-way connection from the tow vehicle.
3. After 2 minutes, restore power to the trailer and open up the OneControl app on your mobile device and select Camera (Fig. 18).
4. When prompted, create a new password (Fig. 19).

Fig. 25

SSID: INSIGHT_B4C5A0
26370A0572100558
Part #2020112846
Contains FCC ID:S8JBLR7601MU2

Fig. 26