

Towtal View™



Installation Guide



HD Camera shown mounted to the Portable Suction Cup Power Pack Mount

HD Camera with Versatile Mount

Kit 25300



Read and understand all warnings and instructions in this manual prior to use.
Failure to follow warnings and instructions could result in serious injury or death.



WARNING

- **Distracted driving is dangerous. Pay attention to the road. Do not adjust app when driving. Only view monitor when safe to do so, and only when phone is dash mounted.**

Protect your Air Lift Purchase by Completing your Warranty Registration



Thank you for purchasing an Air Lift towing solution product!

Take a photo of your sales receipt and then scan the QR code to complete your online warranty registration.

TABLE OF CONTENTS

2 System Overview

3 Hardware and Tools

4 Introduction

5 Installing the Towtal View HD Camera System

Preparing the HD Camera and Mounts

6 Installing the Towtal View Permanent Trailer Mount

7 Installing the Towtal View Portable Suction Cup Power Pack Mount

8 Mounting the Towtal View HD Camera

9 Using the Camera Interface

10 Limited Warranty and Return Policy

11 Drilling Template Verification

11 Drilling Template for the Towtal View Permanent Trailer Mount

Important Safety Information



WARNING

- Read and follow all warnings and instructions in this manual before use to help avoid serious injury or death.
- Distracted driving is dangerous. Pay attention to the road. Do not adjust app when driving. Only view monitor when safe to do so, and only when phone is dash mounted.
- Before use, check your local laws and regulations on use of cell phones when driving.

System Overview

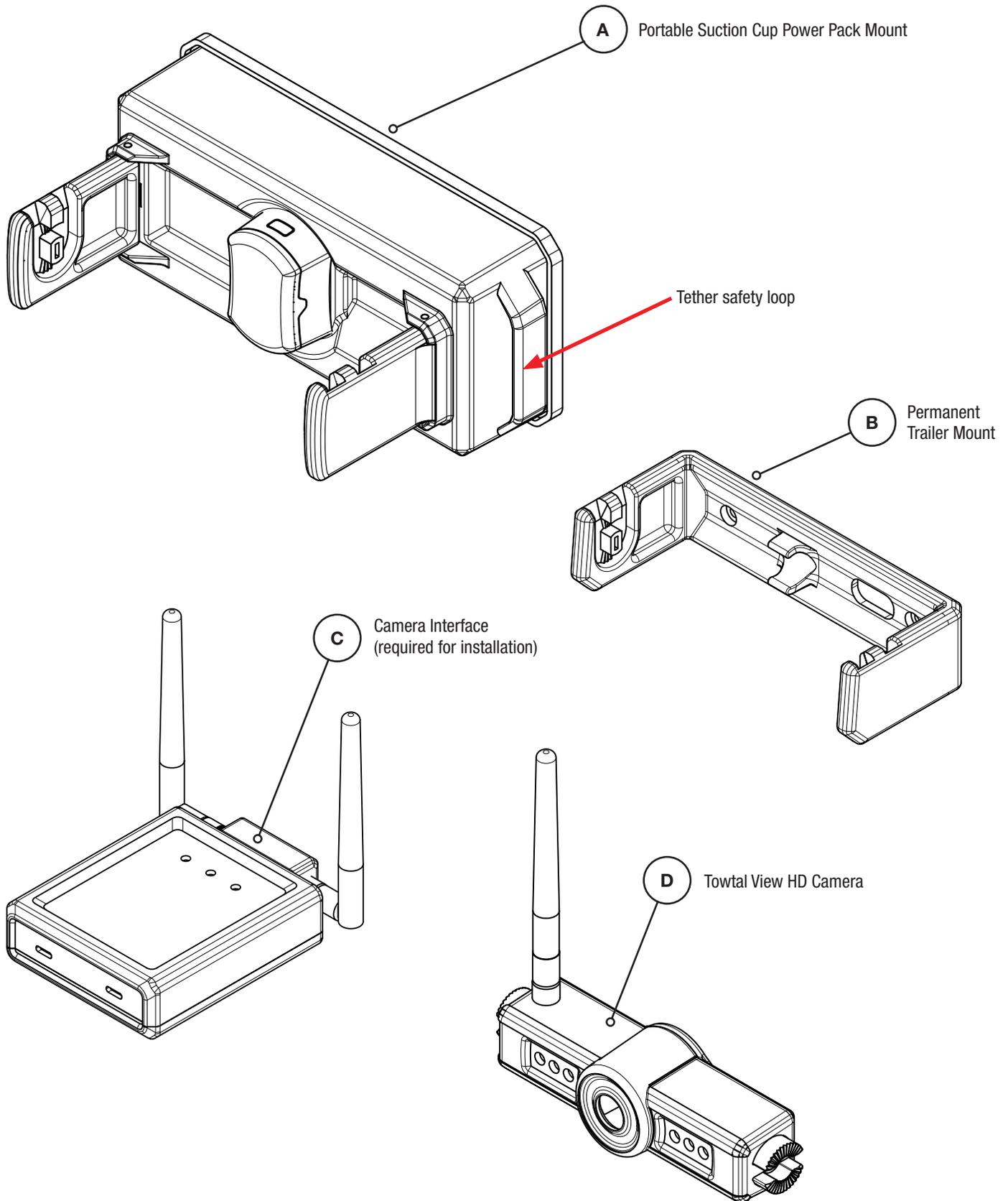


Fig. 1

Hardware and Tools

Hardware List

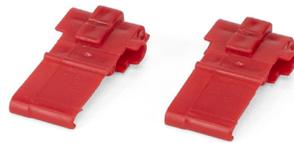
Item	Description	Qty
A	Portable suction cup power pack mount	1
B	Permanent trailer mount	1
C	Camera interface	1
D	Towtal View HD camera	1
E	Grommet	1
F	Wire taps	2
G	HD camera power harness, 15'	1
H	Phillips head screw, M3.9, 19mm	2
I	12v Car lighter to USB-C adapter	1
J	1m USB-C cable	1
K	Antenna	3

Tools Needed

Description	Qty
Needle-nose pliers	1
Wire strippers	1
Soldering iron (optional)	1
Electrical tape	1
5/8" Drill bit	1
1/8" Drill bit	1
Safety glasses	1
Spray bottle with isopropyl alcohol solution	1



E



F



H



I



G



J



K



Missing or damaged parts? Call Air Lift customer service at (800) 248-0892 for a replacement part.

Introduction

The following guide has been crafted to simplify the installation and maintenance of the Air Lift Towtal View wireless HD camera system. Every HD camera kit features a state-of-the-art design, ensuring reliable performance for various applications.

Designed for easy mounting, the Towtal View HD Camera features advanced technology, ensuring excellent video quality in this versatile product for thousands of hours of safe towing. Whether you're reversing to a trailer or want to monitor your surroundings, our two-part system—comprising a robust HD Camera and a battery-backed receiver—offers an efficient solution. Encased in the "Trailer Mount," the receiver and battery securely attach the Towtal View HD Camera to almost any vehicle.

The partner application, available on both Apple and Android smartphones through the iOS App Store or the Android Google Play Store, allows convenient access to the wireless video feed. With easy installation using a portable suction mount on a clean surface, the Towtal View wireless HD Camera system is designed to effortlessly enhance your towing experience.

Important Safety Information



WARNING

- Read and follow all warnings and instructions in this manual before use to help avoid serious injury or death.
- Distracted driving is dangerous. Pay attention to the road. Do not adjust app when driving. Only view monitor when safe to do so, and only when phone is dash mounted.
- Before use, check your local laws and regulations on use of cell phones when driving.

California: ⚠️WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov

SAFETY MESSAGES

Your safety is important. This manual contains safety messages and warnings to help minimize risk of personal injury or possible improper installation, which may render the vehicle unsafe. The following symbols and/or signal words are used to help identify potential safety hazards and important information:



WARNING

Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



CAUTION

Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.



NOTE

Indicates information considered important, but not hazard-related (e.g., messages relating to property damage).

Installing the Towtal View HD Camera System

PREPARING THE HD CAMERA & MOUNTS

Prepare the Towtal View HD camera system for installation by following these recommendations:

1. Gather all necessary tools and materials for installation, including screwdrivers, drills, isopropyl alcohol, cleaning cloths, and any components specified in this installation guide. See the *Hardware and Tools* section for the complete list.
2. Read the installation guide carefully to understand all installation requirements, recommended tools, and safety precautions before starting the installation.
3. Identify suitable mounting locations for both the portable suction cup power pack mount (A) (Fig. 2) or permanent trailer mount (B) (Fig. 3). Ensure they meet specified criteria, such as flat, clean surfaces and minimal obstructions.
4. Verify the presence and condition of all HD camera system components, including the HD camera, portable suction cup power pack mount, permanent trailer mount, and camera interface, prior to starting installation. See the *System Overview* section and *Hardware List* to confirm all HD Camera system components are included with your kit.
5. Ensure your mobile device is fully charged or has sufficient battery life for the installation process, as it will be used for pairing and configuration.
6. Familiarize yourself with the vehicle's wiring layout, especially if connecting the HD camera system to the vehicle's power source. Identify relevant points for a secure and safe connection to not cause any damage to your vehicle or any part of the Towtal View HD camera system. Seek professional electrical/mechanic help if uncertain how to connect to your vehicle's electrical system.
7. Identify a convenient and accessible power source in the vehicle or cab for connecting the camera interface (C). Consider using a USB-C port or a 12v car lighter adapter (I).
8. Remove any unnecessary items or clutter from the installation areas on the vehicle, ensuring a clear workspace and clean surface for mounting the HD camera system components.
9. Provide additional lighting in your workspace if installing in low-light conditions to ensure visibility and accuracy during the installation process.

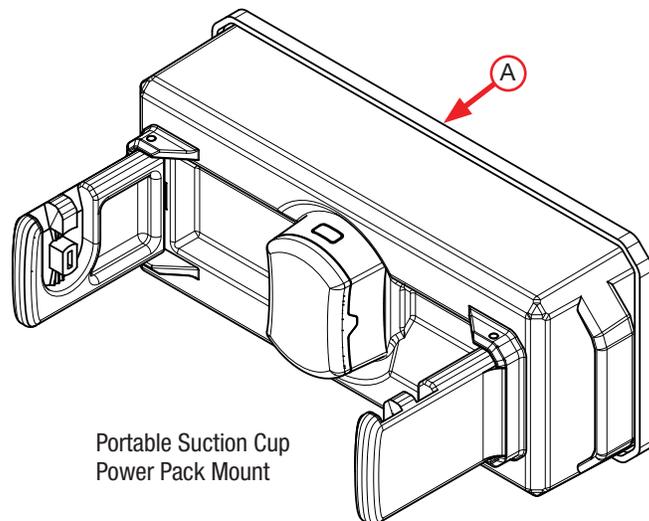


Fig. 2

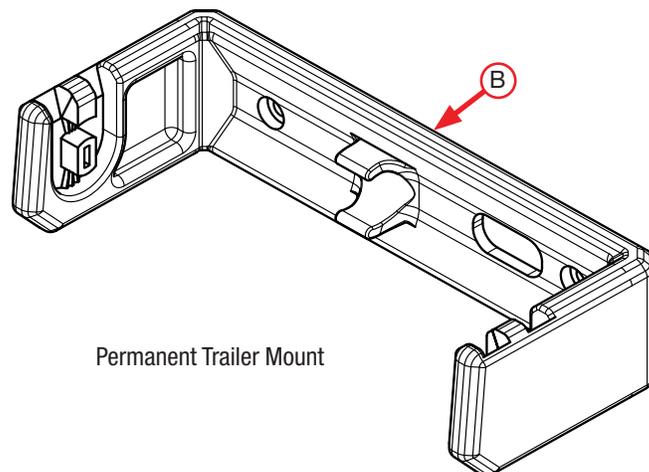


Fig. 3

Installing the Towtal View Permanent Trailer Mount

To permanently mount the Airlift Towtal View HD Camera on the exterior of a vehicle or trailer, follow these steps:

1. Select an area on the trailer where the permanent trailer mount (B) will be high enough for your desired viewing angle and not obstruct doors or hatches, or prevent any function of your trailer equipment or its safety functions, preferably near the rear clearance/parking lights on the top of the trailer for optimal positioning.
2. After determining where to permanently install your fixed mount bracket, determine which clearance/parking light you may use for your power and ground sources and remove one of the clearance/parking lights to gain better access to the wiring for a more straightforward installation process.
3. Use the provided drilling template (Fig. 16) to mark the installation holes accurately on the chosen location. Note the hole pattern orientation (Fig. 4).
4. If you are aware of everything behind the wall in which you are about to drill the hole, carefully drill the marked holes in the identified locations on the trailer, ensuring precision and alignment.
5. If your installation location requires, secure the grommet (E) to the drilled trailer hole to prevent any water intrusion, enhancing the longevity and reliability of the installation.
6. Thread the power and ground wires from the HD camera power harness (G) through both the slotted trailer mount hole (Figs. 5 & 6) and the 5/8" drilled trailer mount hole, ensuring a clean and organized routing.
7. Using the included wire taps (F) or using a soldering method (not included), connect the power and ground wires from the HD camera harness to the previously identified 12-volt wire and ground wire to receive a stable power for the HD Camera. If not connecting to an existing ground wire, make sure to clean the metal before grounding the HD camera to the trailer.
8. Tuck the power and ground wires into the channel behind the permanent trailer mount (Fig. 5) when applicable to ensure they will not be pinched when the mount is screwed into place.
9. Screw the permanent trailer mount onto the trailer securely through the permanent trailer mount installation holes (Fig. 6) using the M3.9 (19mm) Phillips head screws (H) to ensure a stable and robust attachment.
10. Complete the installation by checking and confirming that all connections are secure, and the mount is firmly and reliably attached to the trailer.

Permanent Trailer Mount Hole Pattern Orientation

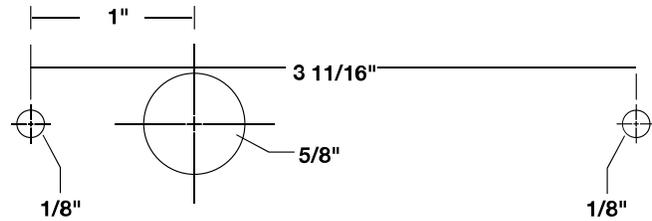
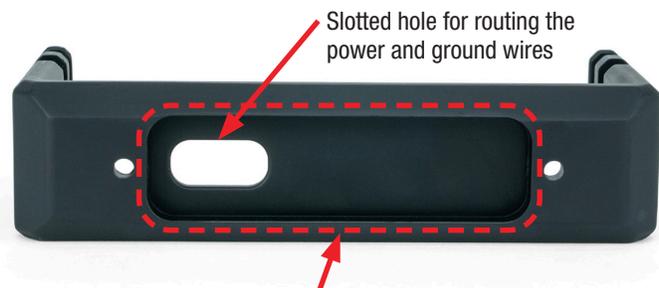


Fig. 4

For hole pattern orientation reference only. The 5/8" drilled mount hole shown here in Figure 4 and the slotted hole in the permanent trailer mount (Fig. 5) are intended to be on opposite sides of one another, allowing wires to be tucked in the channel behind the mount. The drilling template for the permanent trailer mount is Figure 16 in this installation guide.



Permanent trailer mount channel

Fig. 5

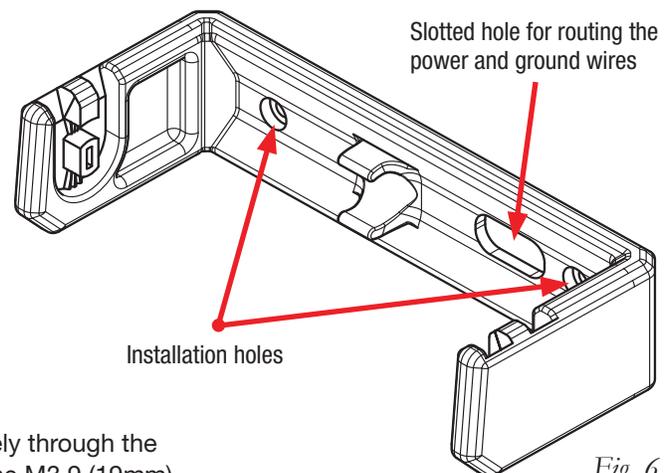


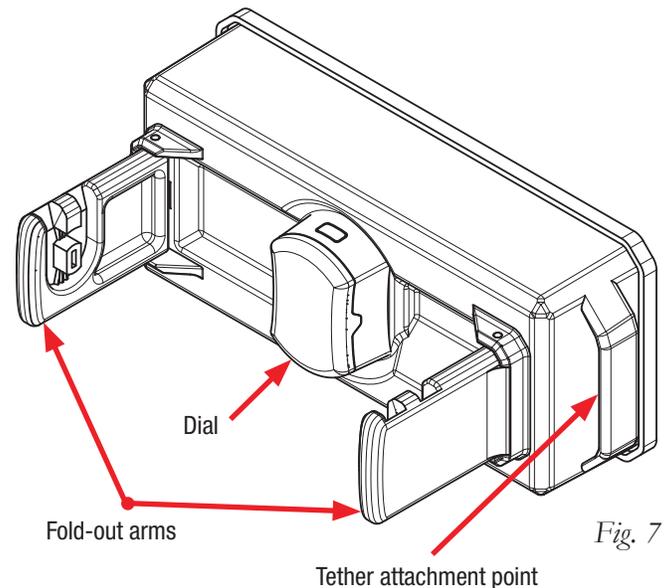
Fig. 6

Installing the Towtal View Portable Suction Cup Power Pack Mount

Install the system by preparing the vehicle:

IMPORTANT: Any surface that is not properly cleaned and not flat will subject the Portable Suction Cup Power Pack Mount to falling and damaging the Towtal View HD camera system.

1. Clean the mounting surface by applying an isopropyl alcohol solution to a clean cloth and wipe the surface thoroughly to remove dirt, grease, or residue.
2. The cleaned surface **MUST** be dry prior to installing the portable suction cup power pack mount.
3. Choose a mounting location with a relatively flat surface, avoiding areas with pronounced curves or irregularities for proper suction cup adherence.
4. Inspect the bottom of the portable suction cup power pack mount (A) to ensure it is free from debris, dust, or foreign materials that could compromise the suction seal.
5. Before installation, verify that the portable suction cup power pack mount is oriented correctly, with the unit in a horizontal position and the tether attachment point on the right side (Fig. 7).
6. Position the portable suction cup power pack mount onto the cleaned vehicle surface while applying gentle pressure.
7. Open each arm of the portable suction cup power pack mount, as shown in Figure 7, then turn the dial clockwise to engage and activate its suction capabilities (Fig. 8). Check the position and orientation of the portable suction cup power pack mount before proceeding.
8. Gently tug on the portable suction cup power pack mount to ensure it does not detach. Confirm that the portable suction cup power pack mount is securely attached before proceeding to the next steps.
9. To protect the portable suction cup power pack system from damage, utilize your own tether device on the tether attachment point located on the side of the portable suction cup power pack mount (Fig. 7). Connect the opposite end of the tether to a firm attachment point on the vehicle.



Turn the dial clockwise on the Portable Suction Cup Power Pack Mount to set it in the "LOCKED" position

Mounting the Towtal View HD Camera

To install the HD camera into either of the mounts (Permanent Trailer Mount is shown in Figure 9 or the Portable Suction Cup Power Pack mount demonstrated in Figures 10-13), follow these steps:

1. Note the features of the HD camera (D) that will indicate proper positioning of the HD camera into the permanent trailer or portable suction cup power pack mounts (Fig. 10).

NOTE An embossed label for “up” can be found as a small triangle or arrow at the top of the HD camera.

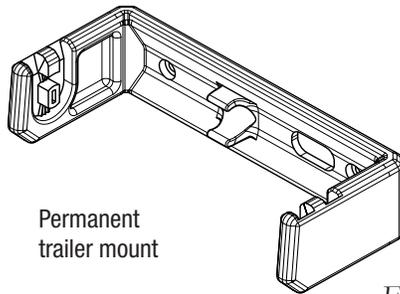


Fig. 9

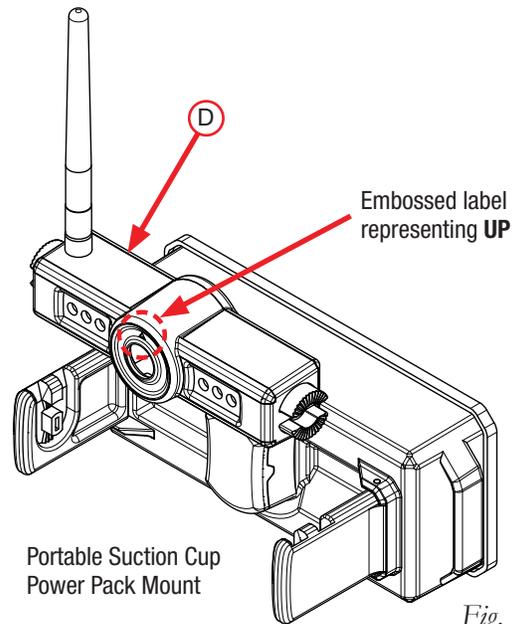


Fig. 10

2. Slide the HD camera into the mount at a 90-degree angle so that HD camera lens is facing the ground (Fig. 11). The slotted wings of the HD camera will be seated in the slotted arms of the mount (Fig. 12).

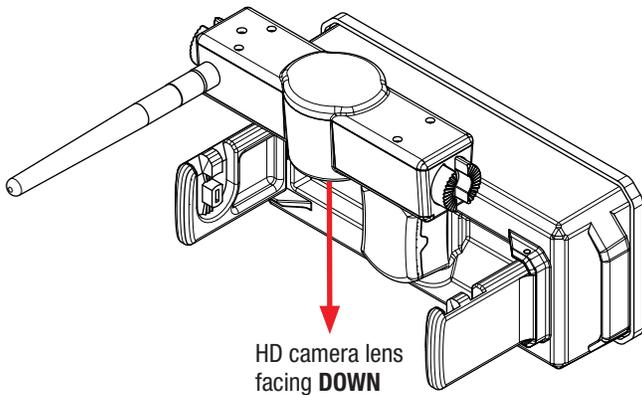


Fig. 11

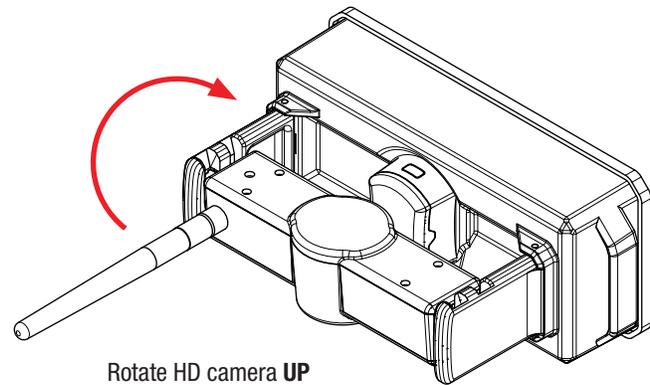


Fig. 12

3. Attach the power plug to the HD camera housing, then tighten the collar to secure connection.
4. Rotate the HD camera up to your desired camera angle (Fig. 12). The HD camera has multiple angles that automatically lock into place (Fig. 13).

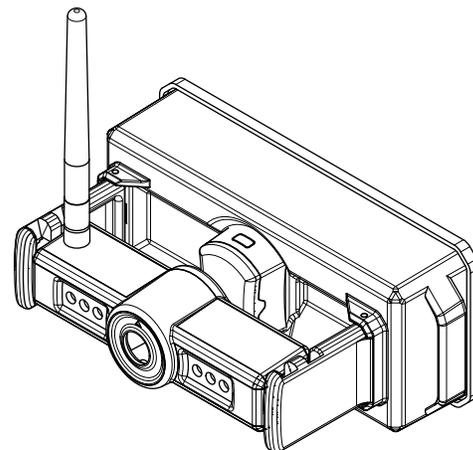


Fig. 13

Using the Camera Interface

NOTE

The camera interface (C) is required for the system to function and must be powered in order for the HD camera to connect to your mobile device.

1. Connect the camera interface (Fig. 14) using the supplied USB-C cable (J), either directly into a USB-C port in the vehicle cab or using the 12v car lighter adapter (I).
2. For pairing the HD camera to the camera interface: Power up the HD camera from either the portable suction cup power pack or if powered through the towing vehicle's parking lights, turn on the parking lights. You will have 45 seconds to then press and HOLD the center button on the camera interface until the green light begins to blink to initiate the pairing process with the HD camera. They should pair automatically after initial syncing. Press the Sync Button on the underside of the HD camera to restart the pairing process if necessary (Fig. 15)
3. Utilize your mobile phone to search for the wireless network generated by the camera interface.
4. Connect your mobile phone to the identified wireless network to establish a stable connection with the camera interface.
5. Complete the installation by securing the camera interface in a location that ensures optimal signal strength and functionality, taking into account potential interference or obstructions.

NOTE

On trailers over 35 feet, you can mount the camera interface on the interior front of the trailer where there is 12v power to plug in the 12v car lighter adapter.



THE CAMERA INTERFACE IS NOT RATED FOR EXTERIOR MOUNTING. DO NOT MOUNT WHERE THE UNIT CAN GET WET.

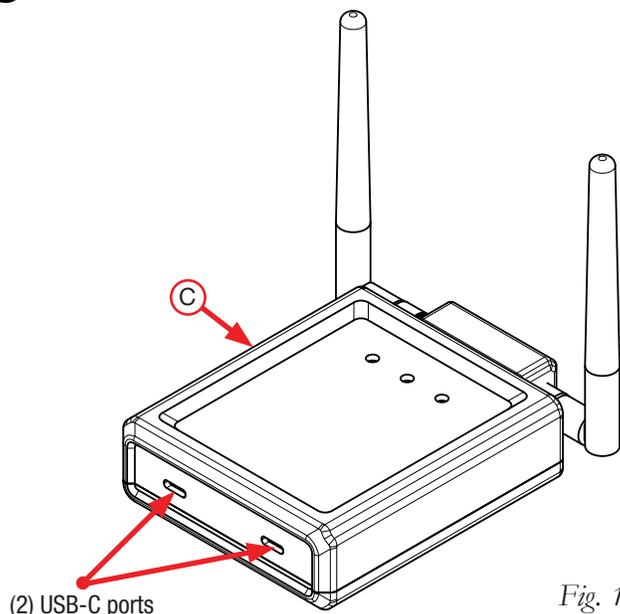


Fig. 14

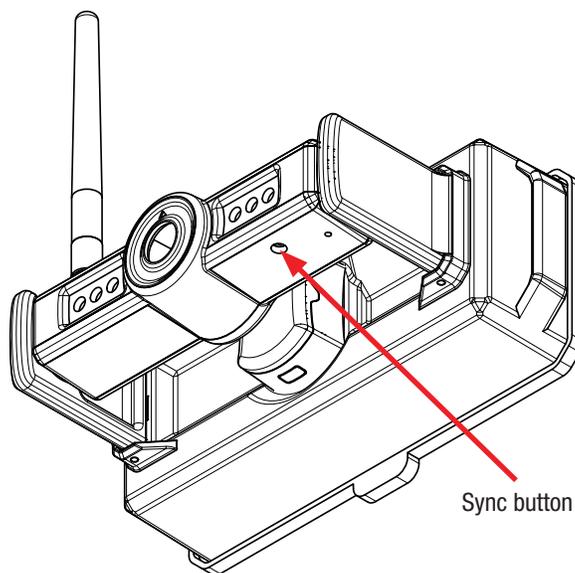
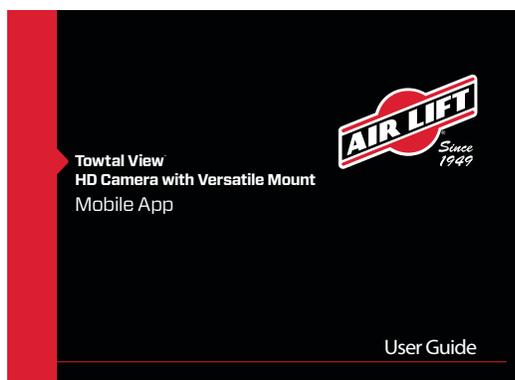


Fig. 15



Please refer to the included User Guide for complete details on using the system after installation.

Limited Warranty and Return Policy

Air Lift Company provides a 2-Year Limited Warranty* to the original purchaser of the Towtal View HD Camera system, from the date of original purchase, that the products will be free from defects in workmanship and materials when used on cars and trucks as specified by Air Lift Company and under normal operating conditions, subject to the requirements and exclusions set forth in the full Limited Warranty and Return Policy.

Warranty coverage does not apply to any damage caused to the Towtal View HD Camera system due to incorrect installation, use or weather conditions affecting the mounting surface of any of the installation options.

*Full Limited Warranty and Return Policy are available at <https://www.airliftcompany.com/support/warranty/> and are subject to change.

WARRANTY REGISTRATION & CLAIMS

- To register your warranty, please visit <https://www.airliftcompany.com/support/warranty/register/>
- To submit a warranty claim, please visit <https://www.airliftcompany.com/support/warranty/submit-claim/>

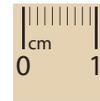
**NOTE**

NEVER MOUNT CAMERA INTERFACE WHERE UNIT CAN GET WET.
CAMERA INTERFACE NOT RATED FOR EXTERIOR MOUNTING.

Drilling Template Verification

NOTE

IMPORTANT: PRINT THIS MANUAL AT 100% SCALE. THIS MANUAL CONTAINS A DRILLING TEMPLATE, WHICH WOULD BE RENDERED DIMENSIONALLY INCORRECT IF PRINTED WITH ANY OTHER SCALING. USING AN INCORRECT TEMPLATE TO DRILL HOLES MAY CAUSE DAMAGE TO THE VEHICLE! PLEASE REFER TO THE ONE-INCH OR 1CM SCALES AND USE A MEASURING TOOL TO CONFIRM THAT THE PRINTED SCALE MEASURES 1" OR 1CM TO VERIFY THAT THE TEMPLATE HAS BEEN PRINTED AT 100% SCALE. IF IT IS PRINTED AT ANY SCALE OTHER THAN 100%, YOU COULD END UP DRILLING IN THE WRONG LOCATIONS ON THE VEHICLE.



Drilling Template for the Towtal View Permanent Trailer Mount

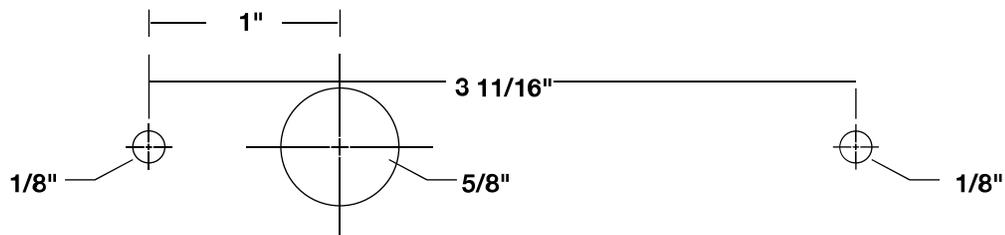


Fig. 16



Thank you for purchasing Air Lift Products!

Need Help?

Contact Air Lift Company Customer Service at (800) 248-0892
or email service@airliftcompany.com.

For calls outside the U.S. or Canada, dial +1 (517) 322-2144.



Air Lift Company • 2727 Snow Road • Lansing, MI 48917 or P.O. Box 80167 • Lansing, MI 48908-0167

Air Lift Company reserves the right to make changes and improvements to its products and publications at any time.
For the latest version of this manual, contact Air Lift Company at (800) 248-0892 or visit airliftcompany.com.