Read these instructions completely before using this product.
Retain this Owner’s Manual for future reference.
SAFETY PRECAUTIONS

This safety alert symbol indicates that a potential personal injury hazard is present. The symbol is usually used with a signal word (e.g., WARNING) which designates the degree or level of hazard seriousness.

The signal word WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

The signal word NOTICE indicates a situation which can cause damage to the product, other personal property and/or to the environment, or cause the product to operate improperly.

The combination of the safety alert symbol and signal word is used in safety messages throughout this manual and on safety labels on this product.

All safety messages that follow have WARNING level hazards. Failure to comply could result in death or serious injury.

Back-Up Camera Safety
- When installing the Back-Up Camera, the vehicle must be turned off with the vehicle in park and the park brake applied.
- Do not attempt to install the Back-Up Camera while the engine is operating.
- Do not modify the wiring in any way.
- Only install the Back-Up Camera to a 12-volt DC system. Connecting to anything other than a 12-volt DC system may damage the Back-Up Camera components or the vehicle electrical system.
- If you are not confident working with 12-volt DC vehicle wiring, have the Back-Up Camera professionally installed.
- This device as well as other wireless devices may be subject to interference. Interference may be caused by cell phones, Bluetooth headsets, Wi-Fi routers, power lines and other various electrical equipment.
- Keep all power cords and wires away from the vehicle's mechanical controls.
- Do not adjust mirror settings while operating the vehicle.
- Do not install the Back-Up Camera to the front of your vehicle.
- Do not use in a vehicle which sounds an alarm or horn when driving in reverse.
- Do not paint or spray the camera.

INTRODUCTION

The Back-Up Camera displays images behind the vehicle, and is used when backing up a vehicle.

When the vehicle is driven in reverse, the camera is activated, which sends a signal to the transmitter. The transmitter sends a video signal to the monitor, which then displays the view captured by the camera.
FEATURES

- 3.5 in. LCD color monitor displays view from the rear of the vehicle
- Adjustable camera angle
- Camera activates automatically when the vehicle is shifted into reverse
- Weatherproof camera with 120° viewing angle
- Reduces the danger of harm or damage due to overseen objects
- Objects visible 3 feet and beyond

Legend
1. Transmitter
2. Transmitter Power Port
3. Camera Port
4. Mirror/Display Monitor
5. Transmitter Power Cord
6. Hardware Bag
   6a) Ties
   6b) Hook and Loop Straps
   6c) Wire Connectors
   6d) Plastic Grommet
   6e) Washers
7. Camera
8. 1A Fuse
9. Cigarette Lighter/Accessory Socket Power Cord
Some states or local governments may have regulations or laws that restrict the use of anything that might impair the clear view of a license plate. Check local laws for compliance.

For the Back-Up Camera to be properly installed, it must be wired into the vehicle's taillight harness. If you are not comfortable or knowledgeable with 12-volt DC wiring, have the system professionally installed.

These instructions are only meant as a general guide due to the number of different makes and models of vehicles. For vehicle-specific questions, contact your vehicle’s manufacturer.

1. Remove the screws that hold the license plate to the vehicle.
2. Position the camera mounting plate behind the license plate.
3. Insert the screws through the license plate and the camera mounting plate. If your hardware is not the correct length, use the supplied hardware.

4. Adjust the camera as required:
   - To adjust the camera angle, tilt the camera to any of the five positions.
   - To adjust the camera height, remove the camera adjusting screws, move the camera to line up with the desired holes and install the camera adjusting screws. Make sure the arrows on the back of the camera are pointing upward.
5. Install the license plate screws to secure the camera to the vehicle.
6. Determine which are the positive (+) and negative (-) wires for the reverse lights on the vehicle. You can use either the right- or left-side reverse light wires. For help locating the vehicle’s reverse light circuit, contact your vehicle’s manufacturer for vehicle-specific wiring diagrams.

7. Remove the vehicle’s negative (-) battery cable.

8. Once the proper wires for the reverse lights have been determined, the transmitter wires must be spliced into the vehicle wires using the supplied wire connectors. If you choose to wire the transmitter using a different method, you must be knowledgeable in 12-volt DC electrical practices.

9. The red positive (+) wire from the transmitter splices into the positive (+) wire from the reverse lights and the black negative (-) wire from the transmitter splices into the negative (-) wire from the reverse lights.

10. Position the connector around the vehicle wire you are splicing into.

11. Slide the appropriate wire from the transmitter into the connector.

Legend
1. Transmitter
2. Positive (+) Wire from Reverse Light
3. Wire Connector
4. Reverse Light
5. Negative (-) Wire from Reverse Light
6. Negative (-) Transmitter Power Wire (Black)
7. Positive (+) Transmitter Power Wire (Red)
8. Camera
12. Crimp the metal clamp using a pliers to ensure a good connection and then close the lock of the wire connector. Do this for both the positive (+) and negative (-) wires from the reverse light.
13. Mount the transmitter in an area where the wire from the camera can be plugged into it.
14. Reconnect the vehicle’s negative (-) battery cable.
15. Plug the transmitter power cord plug into the transmitter power port.

**NOTICE** Depending on your vehicle type, it may be necessary to drill a hole to route the camera wire. Before you drill a hole you MUST CHECK WHAT IS BEHIND THE DRILLING LOCATION. If there are any vehicle components, like electrical parts or fuel system components, behind the drilling location, you must take precaution not to damage them.

16. Route the wire from the camera to the transmitter. Some vehicles may have a hole to route the camera wire through; for example, the hole for the wires for the license plate light.
17. If you need to drill a hole, use a half inch (1/2" [13 mm]) drill to drill the hole. Install the plastic grommet in the hole. You must use the grommet to prevent the edge of the hole from damaging the camera wire.
18. Insert the camera wire through the grommet and route it to the transmitter.
19. Plug the camera wire plug into the transmitter camera port and secure the wire with wire ties if needed.

![Diagram of camera](image)

**Legend**
1. Spring-Loaded Upper Bracket
2. Lower Bracket
3. Strap Mounting Slot
4. Upper Strap
5. Lower Strap

**NOTICE** Make sure you have the correct sides of the hook and loop straps facing each other before installing them into the strap mounting slot. Once installed in the slot they are very difficult to remove.
20. Install the upper and lower straps into the mounting slots on the back of the mirror, making sure you have the correct sides of the straps facing each other.
21. Place the upper spring-loaded bracket on top of the mirror.
22. While supporting the existing rearview mirror, push down and slide the lower bracket under the mirror.
23. Using the straps, secure the mirror to the existing rearview mirror.

Legend
1. Rearview Mirror
2. 12-volt DC Power Input Port
3. Parking Guideline ON/OFF Button
4. Menu Button
5. Power Button
6. Minus (-) Button
7. Plus (+) Button
8. LCD Back-Up Camera Display

24. Route and secure all wires as needed.

OPERATION

Testing the Back-Up Camera System
1. Plug the 12-volt DC power plug into the port on the top of the mirror.
2. Plug the 12-volt DC power adapter into a cigarette lighter/accessory socket. Route the wires so they will not obstruct your vision when driving.
3. Press the power button. The icon on the button will be illuminated when power is on.
4. With the park brake applied, turn the vehicle ignition switch to the ON position. Do not start the vehicle.
5. Shift the vehicle to reverse to power the transmitter. The image from the camera should display on the Back-Up Camera screen on the mirror.
6. If the image does not display, check your connections and make sure the camera view is not obstructed.

Adjust Display Settings
1. Press the menu button to enter the menu screen.
2. Continue pressing the menu button to select brightness, contrast or color of the LCD.
3. Use the plus (+) or minus (-) button to increase or decrease the screen values.
4. To exit the menu screen, scroll to exit and press either the plus (+) or minus (-) button.
5. To display the parking guidelines, press the parking guideline ON/OFF button. This will show parking guidelines on the display.
6. Pressing the parking guideline ON/OFF button again will remove the guidelines.
CARE AND MAINTENANCE

Storage
Store this Back-Up Camera system in a cool, dry area and keep it away from direct sunlight, heat, excessive humidity and dampness.

Cleaning
Do not clean or wipe the camera or display with solvents or chemical materials. If necessary, remove dirt or stains using a soft cloth dampened with a mild detergent solution.

Fuse Replacement
1. Turn the cap on the tip of the power plug counterclockwise.
2. Remove the cap, center pin and fuse.
3. Replace the fuse with a new 1-amp fuse.
4. Replace the center pin and cap. Turn the cap clockwise.

Disposal
The Back-Up Camera is designed to provide years of service. The Back-Up Camera should be recycled or safely disposed of at a local recycling center. Examples of places that will accept items like this are: county or municipal recycling drop-off centers or scrap metal dealers.

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Camera</th>
<th>Transmitter</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Consumption (with Transmitter)</td>
<td>&lt;160 mA</td>
<td>LCD Display Screen Size</td>
</tr>
<tr>
<td>Pixels</td>
<td>640 x 480</td>
<td>3.5 in. (89 mm)</td>
</tr>
<tr>
<td>Transmitter</td>
<td></td>
<td>Power Cord Fuse</td>
</tr>
<tr>
<td>Frequency</td>
<td>2468 MHz</td>
<td>1A</td>
</tr>
<tr>
<td>RF Transmission Distance</td>
<td>&gt;262 ft (80 m)</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FCC INFORMATION

⚠️ WARNING  Changes or modifications to this equipment not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTICE  This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the transmitter.
- Increase the separation between the equipment and monitor.
- Connect the equipment into an outlet on a circuit different from that to which the monitor is needed.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of device. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate this equipment.
## TROUBLESHOOTING

<table>
<thead>
<tr>
<th>Problem</th>
<th>Situation</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display is blank or unclear</td>
<td>The camera lens is covered with snow, mud, ice, etc.</td>
<td>Clean lens.</td>
</tr>
<tr>
<td></td>
<td>The camera is mounted incorrectly or has moved</td>
<td>Check camera location and alignment. Realign as necessary.</td>
</tr>
<tr>
<td>No power to the display or camera</td>
<td>Ensure all wires are correctly connected to the display, transmitter, camera and into the vehicle reverse light circuit.</td>
<td>Check all wire connections and splices for proper connection.</td>
</tr>
<tr>
<td>Display power button is off</td>
<td>Turn display power button on.</td>
<td></td>
</tr>
<tr>
<td>Camera is angled incorrectly</td>
<td>Adjust camera angle.</td>
<td></td>
</tr>
<tr>
<td>Screen settings are incorrect</td>
<td>Adjust screen using menu button.</td>
<td></td>
</tr>
</tbody>
</table>

## LIMITED WARRANTY

Manufacturer warrants to the original consumer, or purchaser, that the PEAK® PKC0RG Rearview Mirror Back-Up Camera will be free from defects in material and workmanship for ninety (90) days from the date of sale to the original purchaser. Manufacturer hereby excludes and disclaims any and all other warranties, expressed or implied, beyond those warranties specified above. Manufacturer excludes any implied warranty of merchantability or fitness for a particular purpose.

IF YOUR PEAK® REARVIEW MIRROR BACK-UP CAMERA MALFUNCTIONS DUE TO A DEFECT IN MATERIALS AND WORKMANSHIP WITHIN THE NINETY (90) DAY WARRANTY PERIOD, MANUFACTURER WILL, AT ITS ELECTION REPAIR OR REPLACE IT. MANUFACTURER SHALL NOT, HOWEVER, BE RESPONSIBLE FOR ANY DAMAGE TO YOUR PRODUCT DUE TO ANY CAUSE OTHER THAN DEFECTS IN MATERIAL OR WORKMANSHIP, INCLUDING WITHOUT LIMITATION: FAILURE TO FOLLOW INSTRUCTIONS FOR USE; MISUSE; REPAIRS BY AN UNAUTHORIZED PERSON; MISHANDLING; MODIFICATIONS; NORMAL WEAR AND TEAR; ACCIDENT OR OVERLOAD. REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MANUFACTURER SHALL NOT BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES FOR BREACH OF ANY EXPRESSED OR IMPLIED WARRANTY ON THIS PRODUCT OR BASED ON ANY OTHER CAUSE OR CLAIM.

To Obtain Service:
1. Before returning this product for any reason, please call toll free (800) 477-5847.
2. Do not return your PEAK® product to the place of purchase for service. Send your unit, postage prepaid and insured, along with a copy of the original sales receipt and a phone number to the address below. Pack your unit properly, as we are not responsible for any damage caused during shipping.

   Old World Industries, Inc.
   c/o Technical Services
   4065 Commercial Avenue
   Northbrook, IL 60062

2. A copy of the original receipt is required for warranty service. If no receipt is provided, the unit manufacturer’s date will be used as the date of purchase.

© 2011 Old World Industries, Inc., Northbrook, IL 60062
MADE IN CHINA
www.peakauto.com