

SKU# 299-2744 (RSI305755G)

RELOAD

BACKUP CAMERA WITH 4.3" DASH MONITOR



Care!

*Please read this manual carefully before using
and keep it for future reference.*

Installation and
Owner's Manual

Warm tips



Congratulations on purchasing your new 4.3" backup camera kit. This product uses the latest technology to ensure performance, reliability and durability.

The compact design and quick connectors make the system simple to install and ideal for DIY installation.

Please read all of the installation instructions carefully before installing this system. Improper installation will void manufacturer's warranty. These installation instructions do not apply to all types of vehicles, and are only guidelines to assist in installing the system.



BEFORE using this reversing system, please read the safety information provided in this user manual.

ALWAYS use the product as outlined in this user manual.

Applicable car models & help

12V

This kit is designed for 12 Volt DC automotive systems only. Fitting to any other systems will void the warranty, damage the unit and may cause fire or injury. Before installation, please insure the vehicle which you are installing the unit into is 12 Volt DC.



Great for



This kit is designed for passenger vehicles, SUVs, Mini Vans, Vans and some Van Trucks.



Please insure this product is applicable to your vehicle before installation. Otherwise, please return it to the stores with complete packaging.

Any question, please call **1 877 466 8191** for help.

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WARNING:

Safety Information

A failure to read, understand and follow these warnings and instructions may result in a serious accident, including damaged property or a serious injury, including loss of life.

- This Reversing Camera system is designed as an aid to the driver in detecting large stationary objects to help avoid damaging the vehicle or property. However, the driver must use it safely and properly. Use of this system is not a substitute for safe, proper and legal driving.
- Adhere to all applicable traffic laws and motor vehicle regulations applicable to the device and Consult local laws and regulations for any restrictions on installation or use.
- Never allow children to play with the device. Small parts may be a choking hazard.
- ALWAYS engage Parking/Emergency/Hand Brakes of the vehicle when testing the system.
- The area displayed by the reversing camera system is limited. The system cannot display objects that are close to or below the bumper, underneath the vehicle, or objects out of the camera's field of view. The area displayed on the screen may vary according to vehicle orientation or road conditions.
- The colors of objects on the rear view monitor may differ somewhat from those of the actual object.
- Be sure to check the camera's position and mounting angle before each use.
- If the back of the vehicle is hit, the position and mounting angle of the Digital Backup Camera may change, and need to be re adjusted.
- When washing the vehicle with high pressure water, be sure not to spray it around the camera. Otherwise, water may enter the camera unit causing water condensation on the lens, a malfunction or fire.
- Do not strike the camera. It is a precision instrument. Otherwise, it may malfunction or cause damage.
- This product will only provide images of items that are within the field of view of the camera. Thus, it is imperative that the camera should be kept clean and unobstructed, and should be mounted so that its field of view includes the entire area behind your vehicle.
- There is a plastic cover over the camera. Do not scratch the cover when cleaning dirt, dust or snow from the cover.
- Do not use alcohol, petrol or thinner to clean the camera. This will cause discoloration. To clean the camera, wipe with a clean cloth dampened with mild cleaner diluted with water and then wipe with a dry cloth.
- The camera has a water resistant construction. Do not detach, disassemble or modify it. This may cause incorrect operation. Camera is waterproof.
- Do not submerge camera in water, which can cause internal damage to the camera.

Safety Information

- Never back up while looking only at the screen. You should always check behind and around the vehicle when reversing. Always make sure your intended path is clear. If you back up while looking only at the monitor, you may hit a vehicle, pedestrian, child, pet, or other object resulting in damage, injury or death. Always reverse slowly.
- Never depend on the reversing system entirely when reversing up. Objects viewed in the rear view monitor differ from actual distance because the wide-angle lens is used. Use the inside mirror or glance over your shoulder to properly judge distances to other objects.
- Make sure the trunk, hatch, or backdoor is completely and securely closed when reversing.
- If the temperature changes rapidly, such as when hot water is poured on the vehicle in cold weather, the system may not operate normally. The Digital Camera can withstand the effects of rain, snow, and inclement weather.
- When strong light directly enters the camera or screen, objects may not be displayed clearly.
- The screen may flicker under fluorescent light.

Safety Around and Behind Other Vehicles

- Using a Backup Camera is not enough to completely overcome a vehicle's blind spot. Many preventable injuries and deaths occur in driveways or parking lots when drivers do not see children, pets, or others near their vehicles. Here are a few safety tips that will help you to avoid a back-over accident.
- Walk completely around your vehicle before getting in. Check for kids, toys, and pets before entering the vehicle and starting the engine.
- Know where children are. Have children stand in a place where they are in full view.
- Be aware of young children. Young children are small and hard to see.
- Parents, caregivers and all adults need to be vigilant in supervising children, especially when children are in the yard, driveway or parking lot playing near parked cars.
- Roll down your window so you will be able to hear what is happening outside your vehicle.
- Owners of SUVs, trucks, and vans need to take extra care to avoid hitting or running over a child.
- Teach children to move away from a vehicle whenever it is started.

Package contents

**Please check all the components listed below
are in the kit**



Part: #A

1 x 4.3" monitor with
adhesive mounting pad
attached



Part: #B

1 x camera with mounting
bracket



Part: #C

1 x 10 meter (32.8 feet)
monitor-to-camera cable



Part: #D

4 x Scotchlok connectors

Product specification

4.3-inch Color TFT LCD Monitor

Operation Voltage	DC9~15V
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Resolution	480(RGB)x272
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Power Consumption	< 2.5W
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Operating Temperature	-20 ~ +70°C
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Camera

High Definition Color CMOS

TV System	NTSC
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Resolution	420TV Lines
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Lens Angle (Approx.)	170° (Diagonal Angle) 110° (Horizontal Angle)
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Power Supply	12V DC
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Operating Temperature	-20 ~ +70°C
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Waterproof	IP68
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Extension Power Cable

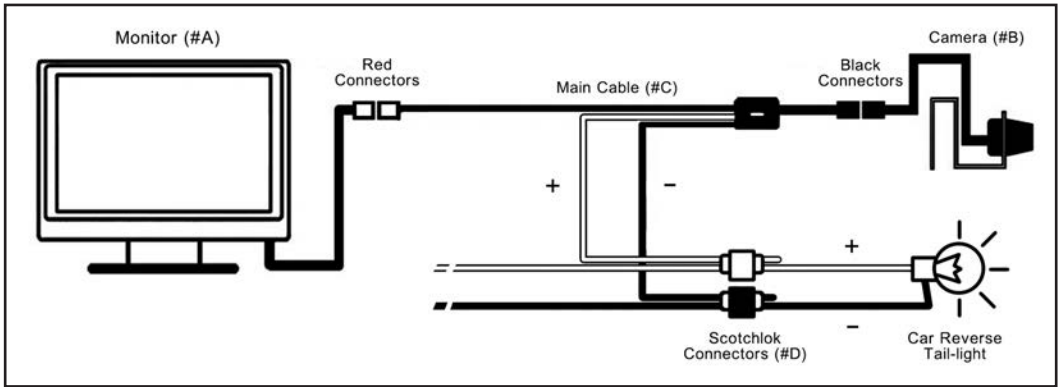
32.8 feet (10m) Total Length

This is how this product works

Both the camera and the monitor are powered by reverse light. You don't need a 12V socket or to wire the monitor into the fuse box.

Quick connectors and Scotchlok connectors are used for easy connection.

When you reverse your car, the reverse light is on and will provide power to the camera and monitor, and the back view image will appear automatically.

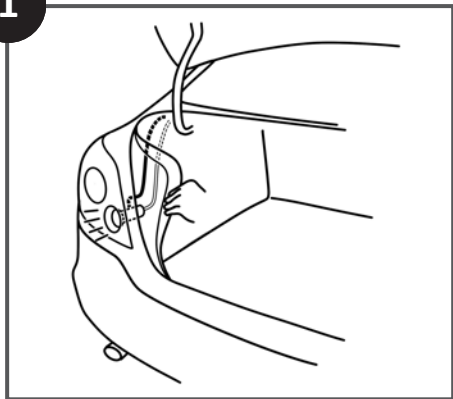


1. During installation you may be required to remove interior panels to run the camera cable from outside to inside the trunk. Panels and the retaining methods vary from vehicle to vehicle, and are too varied to be covered in this document. However, most panels are either secured with screws or spring loaded retaining clips and can be unscrewed or carefully removed by levering. Care should be taken in removing panels to make sure the panel won't distort or break.
2. A set of pliers, a flat screwdriver and a screwdriver or spanner, to remove the license plate are required during the installation.
3. A power drill might be required for drilling a small hole for routing the camera cable.

Installation

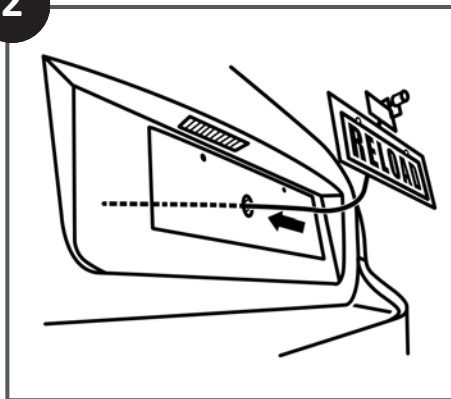
There are four steps to install the backup camera

1



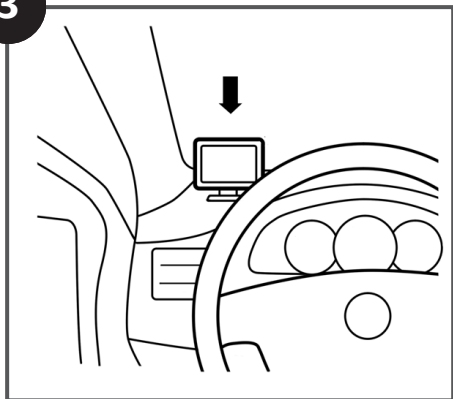
Connection with reverse light

2



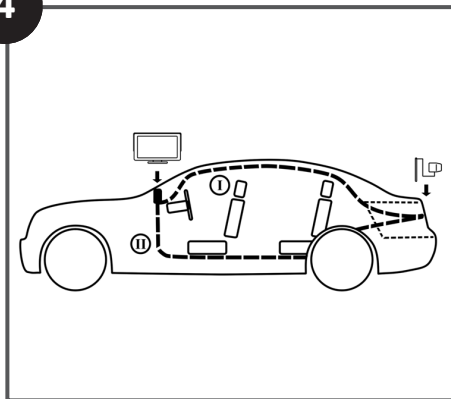
Install camera (#B)

3



Install monitor (#A)

4

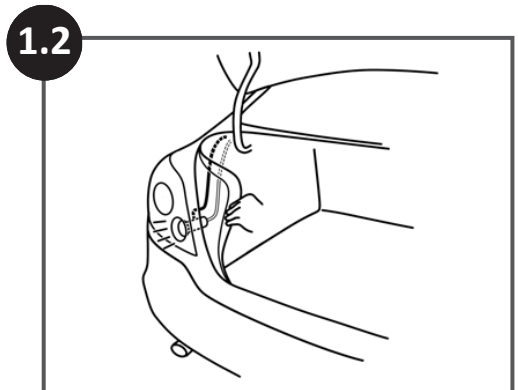
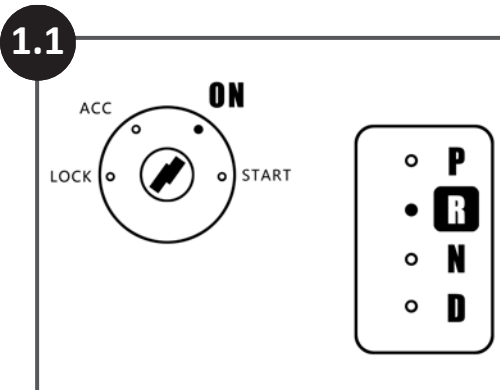
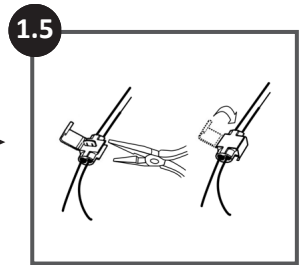
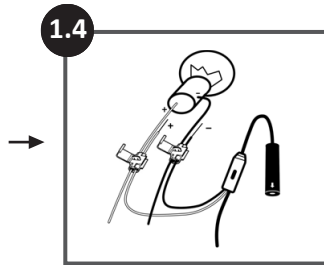
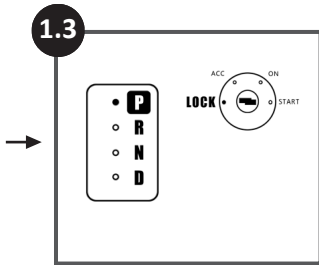
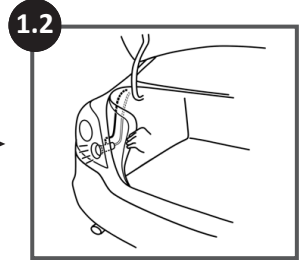
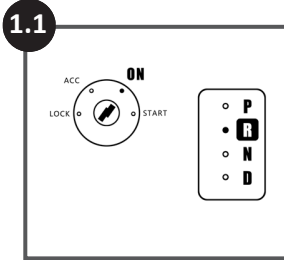


Running wire (#C) from the monitor (#A) to the camera (#B).

Installation

Step 1

Connection with reverse light



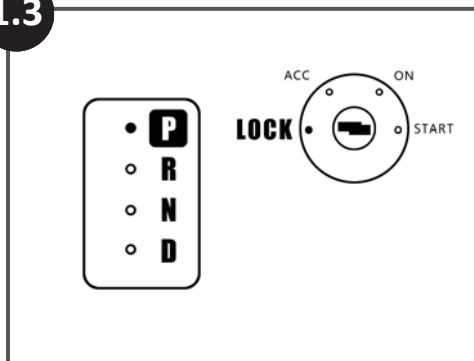
Locate your reverse light by shifting the gear to reverse position when car power is on.

Remove the tail-light cover to access the reverse light. Locate the wiring behind the reverse light. You may wish to remove the reverse light globe holder by carefully twisting while pulling, then check that the removed globe glows. Now locate the positive and negative wires to this globe, a test light or voltmeter may be used.

! *If you are not sure of the power wires, please contact your vehicle manufacturer or reference a wiring diagram in your vehicle manual.*

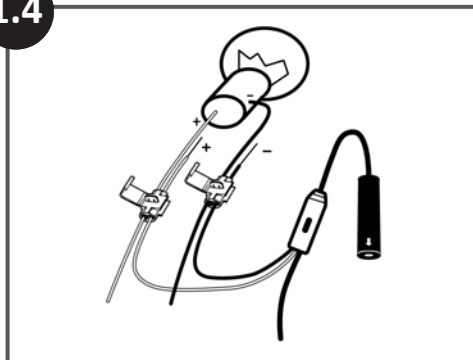
Installation

1.3



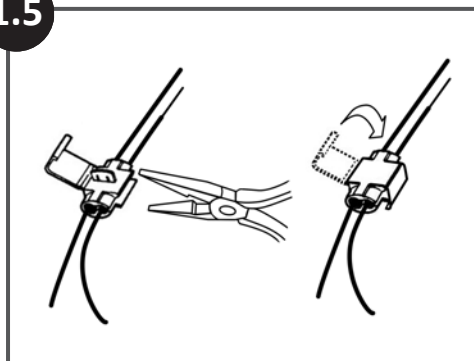
Switch the car power to "Lock" position and shift the gear to "P" position.

1.4



Connecting the power cables. Take the open wire ends of this main cable (#C), and connect them to the power wires of your reverse light located in the previous step.

1.5

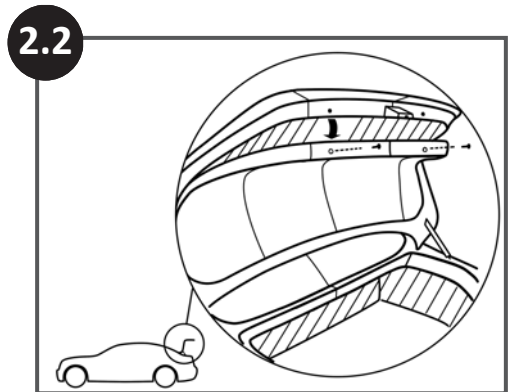
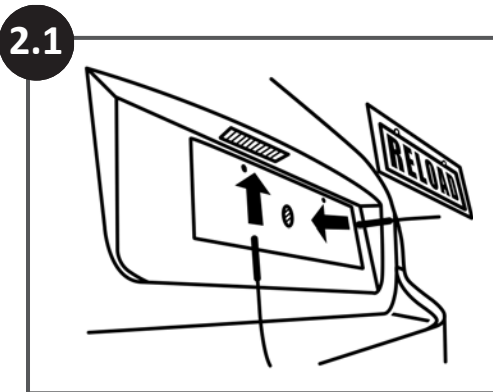
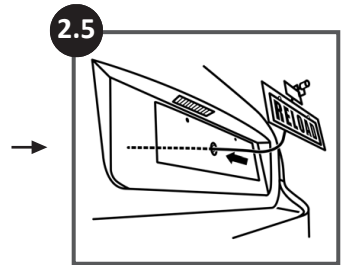
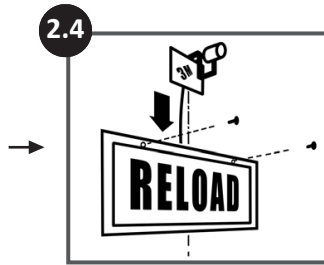
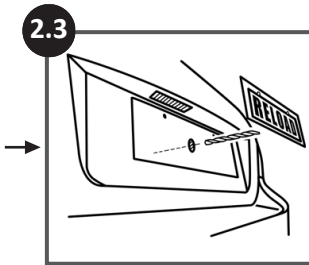
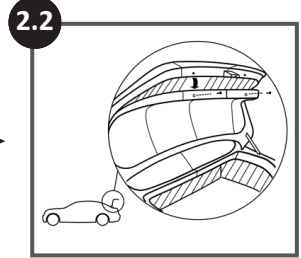
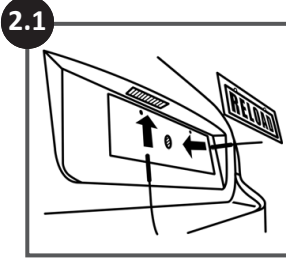


Use a plier to squeeze the metal tabs of the Scotchlok connectors (#D) and ensure a solid connection. Then snap the plastic cap over.

Installation

Step 2

Install camera (#B)



Remove your license plate and check whether there is a hole that allows the camera cable to go through. Please see the above two positions that possibly exist in many cars.

Remove part of the interior panel of the trunk to ensure the hole you find (in the last step) allows the camera wire to go through from outside to inside of the trunk.



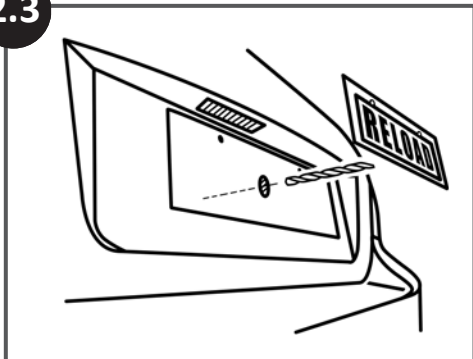
Most panels are either secured with screws or spring loaded retaining clips.



Please consult your car manufacturer or professional if you don't know how to remove it.

Installation

2.3

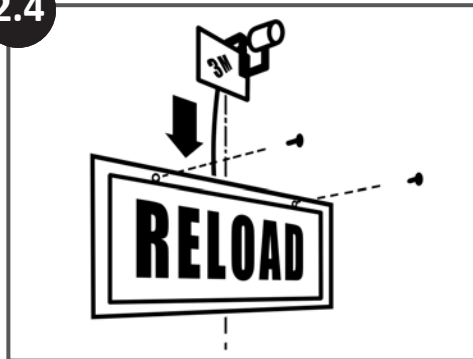


If you can't find a hole for the camera cable, you need to drill a hole behind or around the license plate.



Before drilling, please ensure there is no obstacle behind the position you decide and the camera cable can go through without getting blocked.

2.4

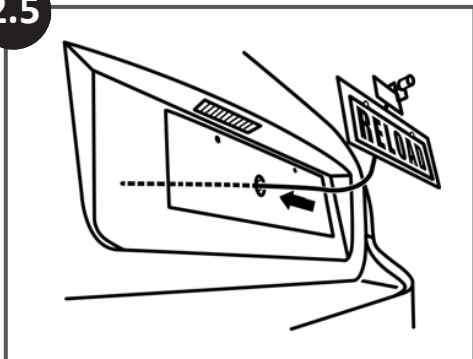


Mount the camera (#B) on the license plate. We suggest mounting the camera on the top-middle of the license plate.



Please clean your license plate before mounting the camera with the double sided tape.

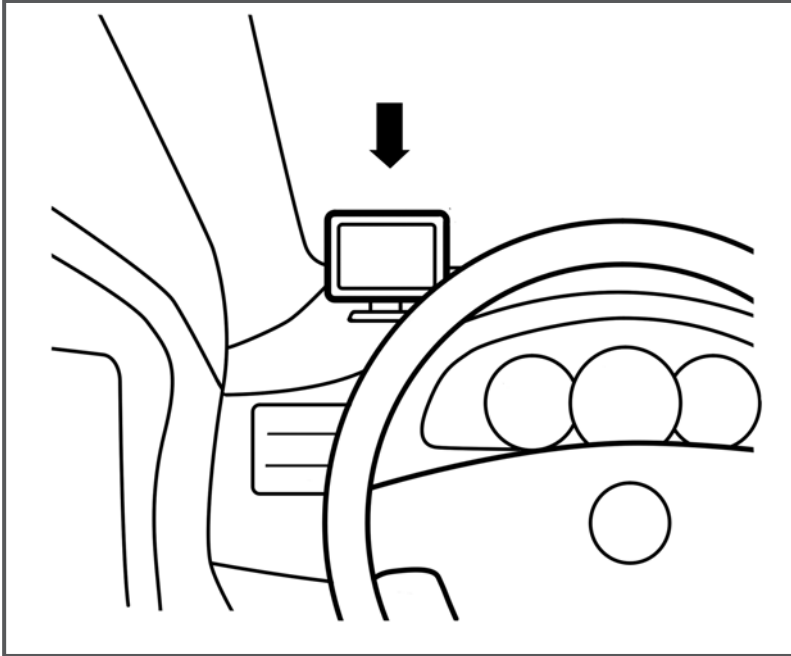
2.5



Run the camera cable (#B) inside the trunk through the hole drilled or found in previous steps. Then position the license plate back onto the trunk.

Step 3

Install monitor (#C)



Find your preferred position to mount the monitor (#A) on the dash of the vehicle.



Please ensure it does not impede the vision of the driver while driving, but can be clearly seen when reversing.

Make sure the mounting area on the dash is clean and grease free.

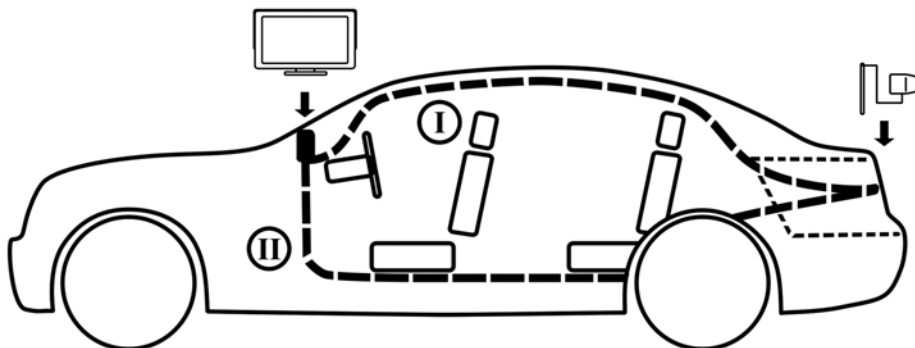
Remove the double sided tape protection & carefully attach the monitor to the position located in the step above. Press firmly on the base of the monitor to ensure the tape gets maximum adhesion.

Installation

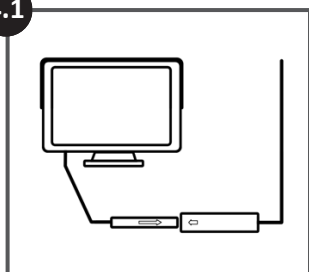
Step 4

Running wire from the monitor (#A) to the camera (#B).

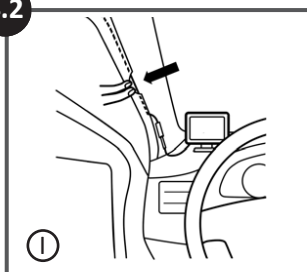
See wiring diagram below for an overview



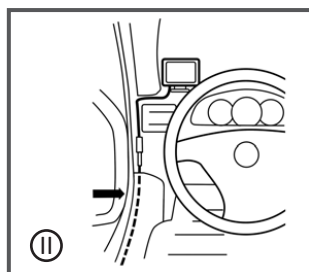
4.1



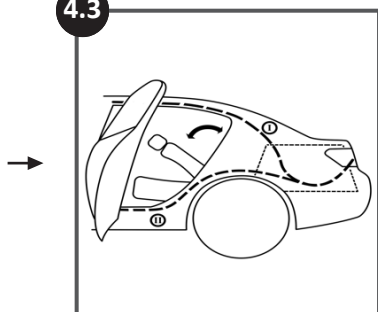
4.2



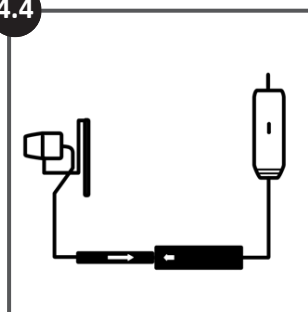
OR



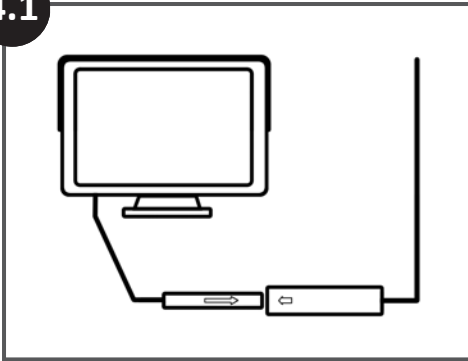
4.3



4.4



4.1



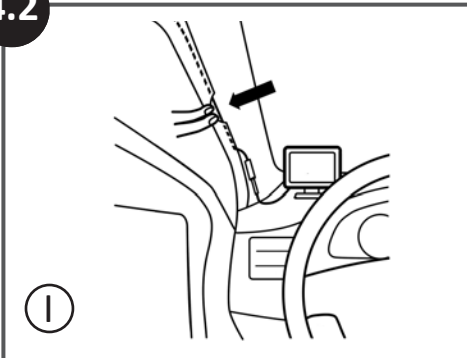
Locate the “For monitor” (colored red) end of the main cable (#C) and connect with the monitor cable plug (#A).



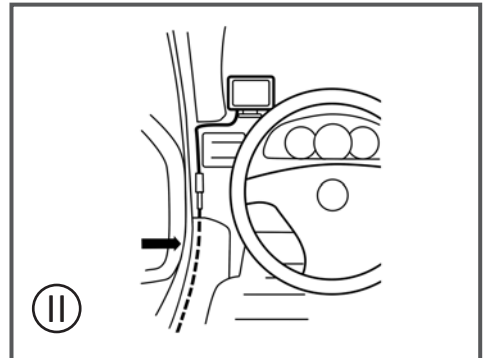
Please note that the plug has a locator and must be in-line with the locator on the socket.

Please ensure the connection is firm.

4.2



OR



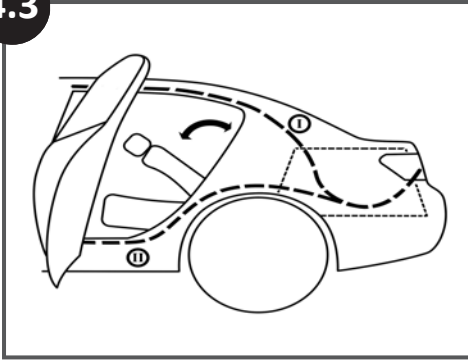
Run the main cable (#C) from the monitor (#A) backward to the trunk of the car. You can route your cables under the vehicle floor covering or route in the following two ways.

Route I - Conceal the cable behind the rubber seal of the doors of your vehicle until you reach the rear seat.

Route II - Conceal the cable under the edge of the plastic strip that holds the floor covering in place until you reach the rear seat.

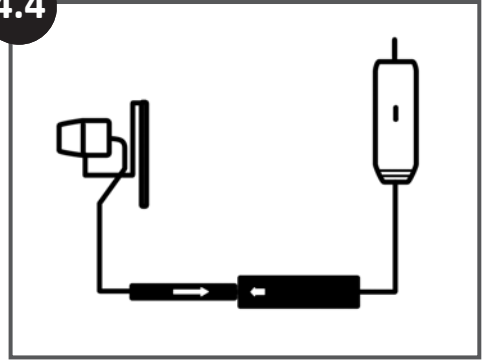
Installation

4.3



Run the main cable (#C) to the trunk of your car. For many cars, the rear seat can be folded and the cable can go through easily. For other cars, you can push the cable around the bottom corner of the rear seat. Then push it over the edge of the panel and get it into the trunk.

4.4



Locate the “For camera” end (colored black) of the main cable (#C) and plug the camera cable (#B) into this socket.



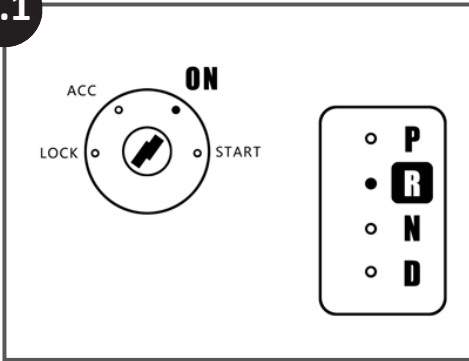
Please note that the plug has a locator and must be in-line with the locator on the socket.

Please ensure the connection is firm.

Now all the wire connection is done and you are ready to test your backup camera.

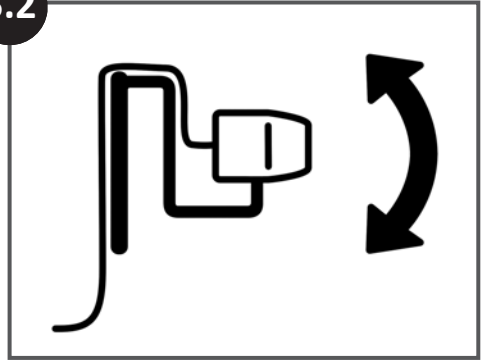
Testing & Adjustment

5.1



Have your car power system turned on and then shift the gear to reverse position, the monitor and the camera will be powered by the reverse light and the back-view image will appear on the monitor automatically until the gear is changed.

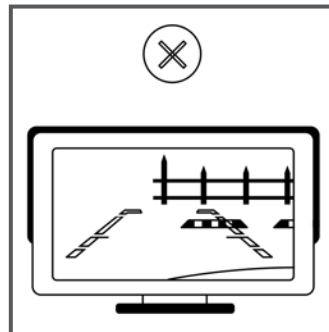
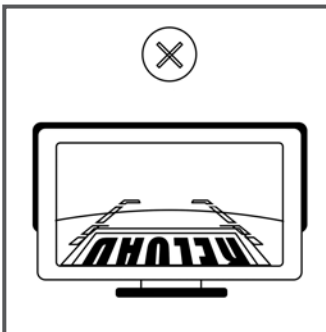
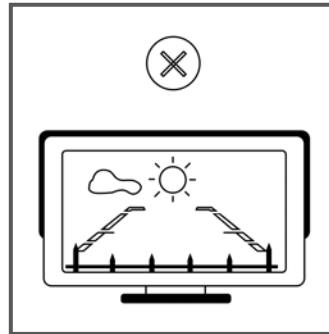
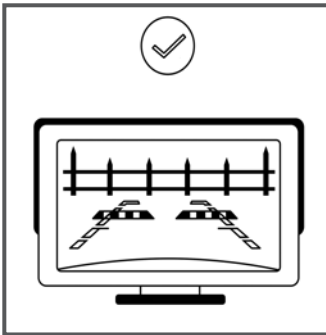
5.2



Please make sure you have the best view you desire. You can bend the camera bracket (#B) gently to achieve that.



You don't have to bend the bracket much to see a big change on the monitor (#A).

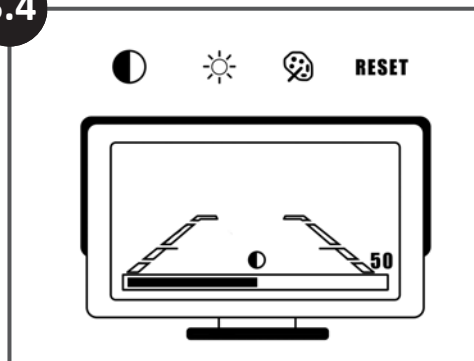


Testing & Adjustment

5.3

Organize your wires and tidy up. When testing is done and the camera system is functioning correctly, please put all the interior and trunk panels back into position, and conceal any surplus cables.

5.4



The camera can be adjusted for brightness, color, contrast and RESET. You can press "M" to select the function you want and press "+" or "-" to adjust the image effect you prefer. These 3 buttons are located at the back of the monitor (#A).

Now congratulate on your successful installation of the backup camera!

Trouble Shooting

Phenomenon	Diagnose	Solution
The back-up image doesn't appear	Check whether the gear is in reverse position	Shift the gear to reverse position
	Check that the reverse lights work	Have reverse lights repaired
	Check whether the wiring connections with the reverse light are secure.	Please use the plier to ensure connection is secure
	Check whether the positive wire and negative wire are connected reversed between power wire and reverse light.	Please connect the wires correctly.
	Check both ends of the main cable (between camera & monitor) are connected correctly.	Unplug & reconnect.
The back-up image is not clear	Check the camera whether there are stains on it.	Clean the camera with soft cloth.
	Adjust the monitor setting	Adjust the monitor setting

Maintenance

Camera

- If dirt, rain or snow attaches to the camera, the monitor may not clearly display objects. If water droplets, snow or mud adhere to the camera lens, rinse with water and wipe with a dry cloth.
- Do not use alcohol, benzene or thinner to clean the camera. this will cause discoloration. to clean the camera, wipe with a clean cloth dampened with mild cleaner diluted with water and then wipe with a dry cloth.

Monitor

- Turn off the monitor. If the screen is dark, it will be easier to see the areas that are dirty or oily.
- Use a dry, soft cloth and very gently wipe the screen.
- If the dry cloth did not completely remove the dirt or oil, do not press harder in an attempt to scrub it off. Pushing directly on the LCD screen can often cause pixels to burn out.
- If necessary, dampen the cloth with distilled water or with an equal ratio of distilled water to white vinegar. The plastic edge that surrounds the screen can be cleaned with any multipurpose cleaner but take care to avoid contact with the screen itself.
- Avoid using paper towels, toilet paper, tissue paper, or something like your shirt to wipe the LCD screen. These non-ultrasoft materials can easily scratch the screen.
- Avoid cleaning products that contain ammonia, ethyl alcohol, acetone, toluene, ethyl acid, or methyl chloride. These chemicals can react with the materials that the LCD screen is made of which could yellow the screen or cause other kinds of damage.
- Never spray liquid directly on the LCD screen or it could run inside the monitor and cause damage.



Please call

1 877 466 8191

for help and warranty information.

