

Instruction Manual

*G-Series Rear View Replacement Mirror Monitor
with Three 3.5" Displays*

RVS-718-3SC





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NOTE!

Please read all of the installation instructions carefully before installing the product. Improper installation will void manufacturer's warranty.

Congratulations on purchasing a Rear View Backup Camera System!

With this manual you will be able to properly install and operate the unit.

The Backup Camera System is intended to be installed as a supplement aid to your standard rear view mirror that already exists in your vehicle. The Backup Camera System should not be used as a substitute for the standard rear view mirror or for any other mirror that exists in your vehicle.

In some jurisdictions, it is unlawful for a person to drive a motor vehicle equipped with a TV viewer or screen located forward of the back of the driver's seat or in any location that is visible, directly or indirectly, to the driver while operating the vehicle.

Please read the entire manual and follow the instructions and warnings carefully. Failure to do so can cause serious damage and or injury, including loss of life. Be sure to obey all applicable local traffic and motor vehicle regulations as it pertains to this product. Improper installation will void manufacturer's warranty.

USAGE:

- The Rear View Camera System is designed to help the driver safely detect people and/or objects helping to avoid damage or injury. However, you the driver, must use it properly. Use of this system is not a substitute for safe, proper or legal driving.
- Never back up while looking at the monitor alone. You should always check behind and around the vehicle when backing up, in the same way as you would if the vehicle did not have the Rear View Camera System. If you back up while looking only at the monitor, you may cause damage or injury. Always back up slowly.
- The Rear View Camera System is not intended for use during extensive back-up maneuvers or backing into cross traffic or pedestrian walkways.
- Please, always remember, the area displayed by the Rear View Camera System is limited. It does not display the entire panorama that is behind you.

INSTALLATION:

- Electric shock or product malfunction may occur if this product is installed incorrectly.
- Use this product within the voltage range specified. Failure to do so can cause electronic shock or product malfunction.
- Take special care when cleaning the monitor.
- Make sure to firmly affix the product before use.
- If smoke or a burning smell is detected, disconnect the system immediately.
- Where the power cable may touch a metal case, cover the cable with friction tape. A short circuit or disconnected wire may cause a fire.
- While installing the Rear View System be careful with the wire positioning in order to avoid wire damage.
- The Rear View System should only be used when the vehicle is in reverse.
- Do not watch movies or operate the monitor while driving; as it may cause an accident.
- Do not install the monitor where it may obstruct drivers view or obstruct an air bag device.
- Dropping the unit may cause possible mechanical failure.

If you have questions about this product, contact:

***Rear View Safety
1797 Atlantic Avenue
Brooklyn, NY 11233
Tel: 1.800.764.1028***

IN NO EVENT SHALL SELLER OR MANUFACTURER BE
LIABLE FOR ANY DIRECT OR CONSEQUENTIAL DAMAGES OF
ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM
ANY DEFECTIVE PRODUCT OR THE USE OF ANY PRODUCT.



Before drilling please check that no cable or wiring is on the other side of the wall. Please clamp all wires securely to reduce the possibility of them being damaged while vehicle is in use. Keep all cables away from hot or moving parts and electrical noisy components.

We recommend doing a benchmark test before installation to insure that all components are working properly.

Step 1: Choose the monitor and camera locations.

Step 2: Install all cables in vehicle, when necessary a 0.8 (20mm) hole should be drilled for passing camera cable through vehicles walls. Install split grommets where applicable.

Step 3: Once all cables and wiring have been properly routed, perform a system function test by temporarily connecting the system. If the system seems to not be operating properly see troubleshooting (page 19).

Replacement Monitor

The mirror monitor replaces the existing car mirror. Carefully remove the mirror off the “pin”. Slide the replacement mirror on to the pin and secure it with the screw provided (already in the screw hole). Different cars have different brackets. Depending on your vehicle make and manufacturer. There are many methods to remove the original rear-view mirror, however, please don't force the mirror off the bracket. The manufacturer will not be responsible for damage caused to your car because of wrong mirror installation. Figure 1.1

Clip-On Monitor

1. The Mirror Monitor attaches to the existing rear view mirror in vehicle with the pressurized clips on the back of the monitor.
2. Attach monitor to existing mirror, and adjust mounting angle to allow optimum driver viewing comfort.

Camera & Cable

Be sure to position the cable properly. The aviation camera cable uses aircraft grade connectors which means the camera cable can be exposed to all weather elements. Do not run the cable over sharp edges, do not kink the cable and keep away from HOT and rotating parts. Fasten all cables and secure all excess cable. Connect camera to the camera extension cable which runs inside the vehicle. Figure 1.2

Wiring

After connecting the camera to the “camera cable” the camera should be plugged into AV2 input. Connect the RED 12V power wire to an ignition power source and the BLACK 12V ground wire to a chassis ground. The GREEN wire is the REVERSE trigger wire. Connect this wire to the vehicle’s backup light circuit to activate the rear-view image whenever the vehicle shifts into reverse. To connect a second camera, connect it to AV1 and it can be turned on by pressing the power button on the monitor. Figure 2.1, Figure 2.2

Precautions for use of Mirror Monitor

- I.** The Mirror Monitor is made of glass. Do not subject it to a mechanical shock by dropping it from a high place, etc.
- II.** Do not apply excessive force to the monitor surface or the adjoining areas since this may cause the color tone to vary.
- III.** Clean with a soft dry cloth and/or Windex only.
- IV.** Do not attempt to disassemble the mirror monitor.

Safety

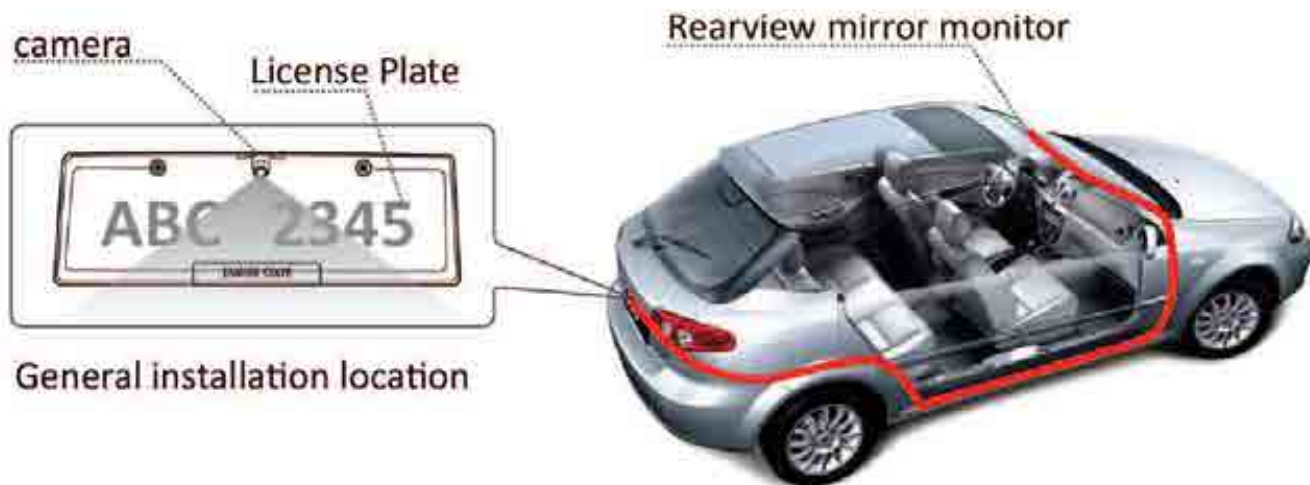
- Before drilling, be sure no cable or wire is on the other side.
- Feed as much cable as possible into vehicle & clamp securely. This reduces the possibility of cable being hooked or snagged.

FIGURE 1.1

Different cars have different brackets. It depends on your vehicle maker and manufacturer. There are many methods to remove the original rear-view mirror, however, please don't force the mirror off the bracket.

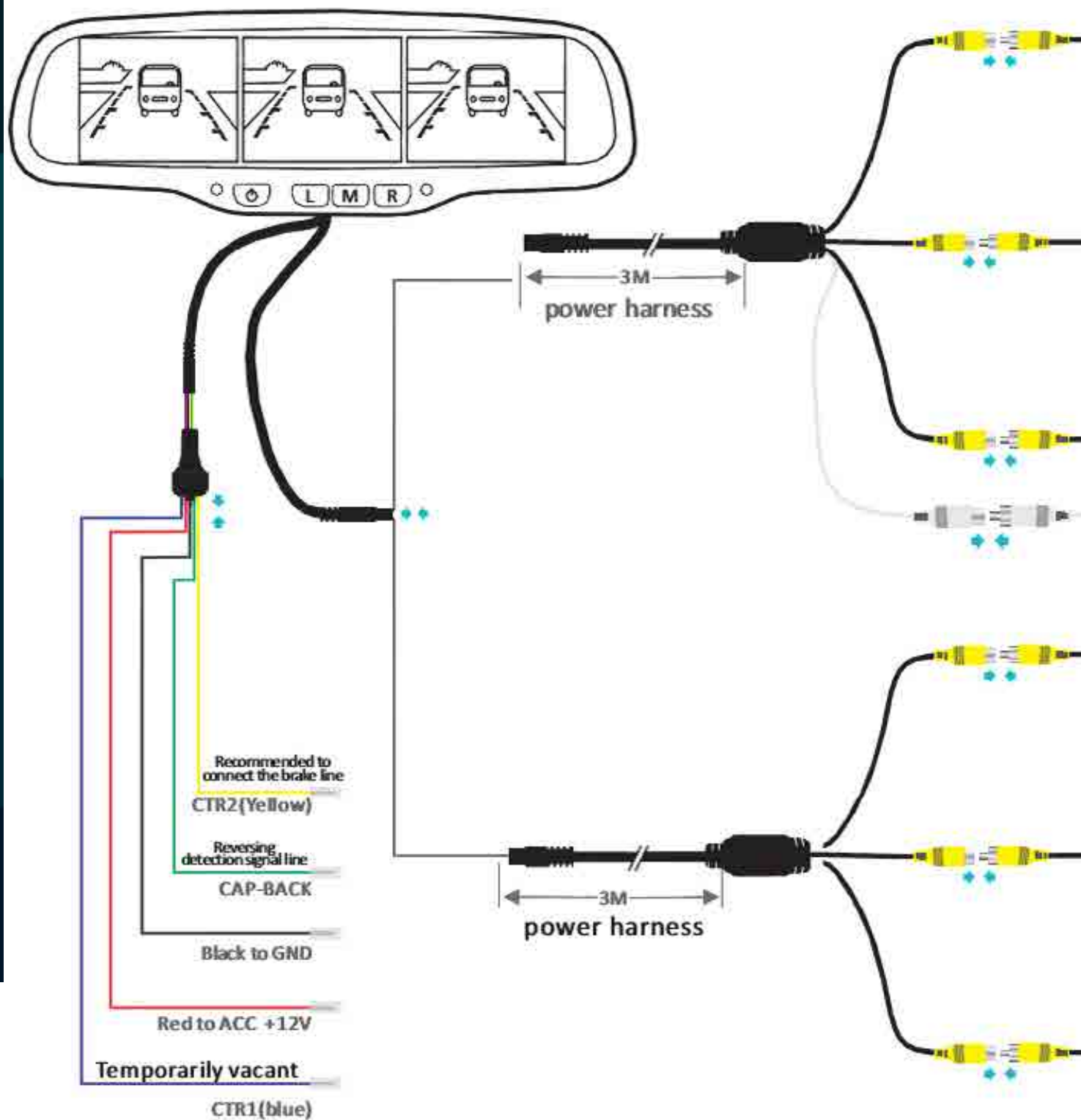
The manufacturer will not be responsible for any damage caused by an incorrect installation of the mirror.

FIGURE 1.2




A good position to install a camera at the rear of car is the top of the license plate, as shown in the image above.

FIGURE 2.2





When the system is turned on, a booting up logo will appear. If during this process the car is put into reverse and a rear view camera is connected, the logo will be interrupted and the system will enter into reverse mode. If there is a video signal, the system will enter a standby mode. In this state, short press the  button to turn the screen display on or off.

The mirror will enter reverse mode when the car is put into reverse. If a rear view camera is connected, the monitor will turn on and the standby indicator will disappear. If no rear view camera is connected, the monitor will remain off and the standby indicator will remain. The mirror will remain in reverse mode until the car is taken out of reverse.

Please note: There will be a short delay when switching between video views. The front video images will be displayed during normal driving.

In case of sudden emergency braking, the rear video mirror will automatically switch to the video behind the car. It will automatically return to the front video after releasing the brake.

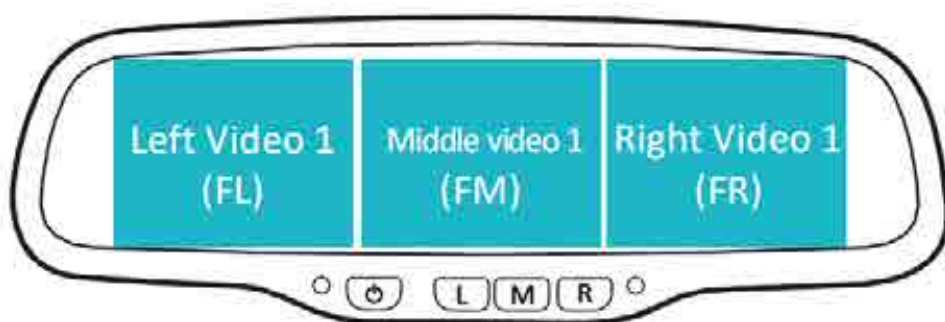
The views can also be switched manually by pressing the left, right, or middle buttons.

Location Recommendation Of Camera Installation

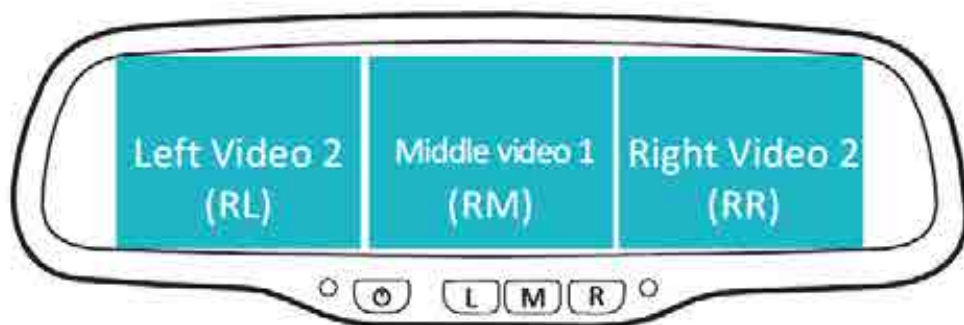


How To Display The Rear View Mirror Screen.

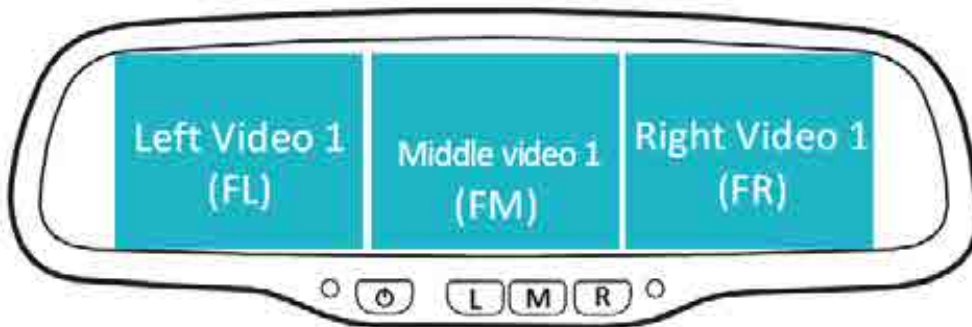
Driving: When driving, the mirror will display the images from the front cameras. The left screen displays FL (front left), the middle screen displays FM (front middle), and right screen displays FR (front right). The corresponding acronyms will appear in the left corner of the screens.



Reversing: When the car is in reverse, the left screen displays RL (rear left), the middle screen displays RM (rear middle), and the right screen displays RR (rear right). The corresponding acronyms will appear in the left corner of the screens.



Braking: If the screen off before braking, FL will be displayed on the left screen, FM will displayed on the middle screen, and FR will be displayed on the right screen.



Basic Functions

Highly Reflective Mirror

In addition to being a monitor, the system is also highly reflective mirror.



Highly reflective mirror



Normal mirror

Backup Camera Display

When the car is reverse, the mirror will automatically switch to the backup camera view.



SPECIFICATIONS:

Screen Size	3.5"
Dot Resolution	320 x 3 (RGB) x 240
Display Format	4:3 / 250:1
Display Brightness	8001x
Viewing Angle	U: 15°, D: 35°, L&R: 45°
Video Input	6 Channel
Video Source	1Vp-p, 75Ω
Power Supply	DC 9V - 18V (+/-10%)
Power Consumption	8W
Operating Temperature	-30°C ~ +70°C
Video System	Auto NTSC/PAL
Overall Dimensions	10.51" (L) x 3.39" (H) x 1" (D)
Weight	800G
Vibration Rating	5G
Sync System	Internal

Certifications: The DVR mirror has passed E-MARK/FCC/C-TICK and is compliant with ROHS.

Problems	Diagnoses	Solutions
Recording frequently stops	<ol style="list-style-type: none"> 1. Motion detection is on 2. The SD card is too small to read and store information 	<ol style="list-style-type: none"> 1. Turn off motion detection 2. Use a larger higher class SD card
Camera input is working but no 1080P video is shown on screen	<ol style="list-style-type: none"> 1. Screen is on auto-off mode 2. Auto power is turned on 	<ol style="list-style-type: none"> 1. Short press power button to turn screen on 2. Change settings in menu
Camera input is not working and no video on screen	<ol style="list-style-type: none"> 1. Wiring connected improperly or broken 2. Mirror is broken 	<ol style="list-style-type: none"> 1. Reinstall with a professional technician 2. Send system back for repairs
Mirror frozen on one interface and will not function	<ol style="list-style-type: none"> 1. System has been on for too long 2. Something is wrong with the system 	<ol style="list-style-type: none"> 1. Reboot 2. If this happens often, send back for repairs
Remote does not work	<ol style="list-style-type: none"> 1. Plastic insulation sheet not removed from battery 2. Battery is not installed correctly 3. Remote is too far from the rear view mirror 	<ol style="list-style-type: none"> 1. Remove the insulation sheet 2. Reinstall the battery 3. Keep the distance between the remote and the mirror at 2-3 feet

ONE YEAR WARRANTY

REAR VIEW SAFETY, INC. WARRANTS THIS PRODUCT AGAINST MATERIAL DEFECTS FOR A PERIOD OF ONE YEAR FROM DATE OF PURCHASE. WE RESERVE THE RIGHT TO REPAIR OR REPLACE ANY SUCH DEFECTIVE UNIT AT OUR SOLE DISCRETION. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR A DEFECT IN THE SYSTEM AS A RESULT OF MISUSE, IMPROPER INSTALLATION, DAMAGE OR MISHANDLING OF THE ELECTRONIC COMPONENTS. REAR VIEW SAFETY, INC. IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES OF ANY KIND.

THIS WARRANTY IS VOID IF: DEFECTS IN MATERIALS OR WORKMANSHIP OR DAMAGES RESULT FROM REPAIRS OR ALTERATIONS WHICH HAVE BEEN MADE OR ATTEMPTED BY OTHERS OR THE UNAUTHORIZED USE OF NONCONFORMING PARTS; THE DAMAGE IS DUE TO NORMAL WEAR AND TEAR, THIS DAMAGE IS DUE TO ABUSE, IMPROPER MAINTENANCE, NEGLECT OR ACCIDENT; OR THE DAMAGE IS DUE TO USE OF THE REAR VIEW SAFETY, INC. SYSTEM AFTER PARTIAL FAILURE OR USE WITH IMPROPER ACCESSORIES.

WARRANTY PERFORMANCE

DURING THE ABOVE WARRANTY PERIOD, SHOULD YOUR REAR VIEW SAFETY PRODUCT EXHIBIT A DEFECT IN MATERIAL OR WORKMANSHIP, SUCH DEFECT WILL BE REPAIRED WHEN THE COMPLETE REAR VIEW SAFETY, INC. PRODUCT IS RETURNED, POSTAGE PREPAID AND INSURED, TO REAR VIEW SAFETY, INC. OTHER THAN THE POSTAGE AND INSURANCE REQUIREMENT, NO CHARGE WILL BE MADE FOR REPAIRS COVERED BY THIS WARRANTY.

WARRANTY DISCLAIMERS

NO WARRANTY, ORAL OR WRITTEN, EXPRESSED OR IMPLIED, OTHER THE ABOVE WARRANTY IS MADE WITH REGARD TO THIS REAR VIEW SAFETY, INC. REAR VIEW SAFETY, INC. DISCLAIMS ANY IMPLIED WARRANTY OR MERCHANT-ABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE AND ALL OTHER WARRANTIES IN NO EVENT SHALL REAR VIEW SAFETY, INC. LIABLE FOR ANY INCIDENTAL, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES OR FOR ANY COSTS, ATTORNEY FEES, EXPENSES, LOSSES OR DELAYS ALLEGED TO BE AS A CONSEQUENCE OF ANY DAMAGE TO, FAILURE OF, OR DEFECT IN ANY PRODUCT INCLUDING, BUT NOT LIMITED TO, ANY CLAIMS FOR LOSS OF PROFITS.

DISCLAIMER

REAR VIEW SAFETY AND/OR ITS AFFILIATES DOES NOT GUARANTEE OR PROMISE THAT THE USER OF OUR SYSTEMS WILL NOT BE IN/PART OF AN ACCIDENT OR OTHERWISE NOT COLLIDE WITH AN OBJECT AND/OR PERSON. OUR SYSTEMS ARE NOT A SUBSTITUTE FOR CAREFUL AND CAUTIOUS DRIVING OR FOR THE CONSISTENT ADHERENCE TO ALL APPLICABLE TRAFFIC LAWS AND MOTOR VEHICLE SAFETY REGULATIONS. THE REAR VIEW SAFETY PRODUCTS ARE NOT A SUBSTITUTE FOR REARVIEW MIRRORS OR FOR ANY OTHER MOTOR VEHICLE EQUIPMENT MANDATED BY LAW. OUR CAMERA SYSTEMS HAVE A LIMITED FIELD OF VISION AND DO NOT PROVIDE A COMPREHENSIVE VIEW OF THE REAR OR SIDE AREA OF THE VEHICLE. ALWAYS MAKE SURE TO LOOK AROUND YOUR VEHICLE AND USE YOUR MIRRORS TO CONFIRM REARWARD CLEARANCE AND THAT YOUR VEHICLE CAN MANEUVER SAFELY. REAR VIEW SAFETY AND/OR ITS AFFILIATES SHALL HAVE NO RESPONSIBILITY OR LIABILITY FOR DAMAGE AND/OR INJURY RESULTING FROM ACCIDENTS OCCURRING WITH VEHICLES HAVING SOME OF REAR VIEW SAFETY PRODUCTS INSTALLED AND REAR VIEW SAFETY AND/OR ITS AFFILIATES, THE MANUFACTURER, DISTRIBUTOR AND SELLER SHALL NOT BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, INCIDENTAL OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INTENDED USE OF THE PRODUCT. IN NO EVENT SHALL REAR VIEW SAFETY AND/OR ITS AFFILIATES HAVE ANY LIABILITY FOR ANY LOSSES (WHETHER DIRECT OR INDIRECT, IN CONTRACT, TORT OR OTHERWISE) INCURRED IN CONNECTION WITH THE SYSTEMS, INCLUDING BUT NOT LIMITED TO DAMAGED PROPERTY, PERSONAL INJURY AND/OR LOSS OF LIFE. NEITHER SHALL REAR VIEW SAFETY AND/OR ITS AFFILIATES HAVE ANY RESPONSIBILITY FOR ANY DECISION, ACTION OR INACTION TAKEN BY ANY PERSON IN RELIANCE ON REAR VIEW SAFETY SYSTEMS, OR FOR ANY DELAYS, INACCURACIES AND/OR ERRORS IN CONNECTION WITH OUR SYSTEMS FUNCTIONS.



If you have any questions
about this product, contact:

***Rear View Safety, Inc.
1797 Atlantic Avenue
Brooklyn, NY 11233
800.764.1028***

***Better Cameras. Better Service.
IT'S OUR GUARANTEE.***

