

HindSight™

C-1000 Vehicle Backup System



**HindSight™ C-1000 Vehicle
Backup System by VIZUALOGIC®**

VIZUALOGIC

HindSight™

C-1000 Vehicle Backup System

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99-6008-400 1/05

User's Manual

VIZUALOGIC

Winter 2005

Welcome

Congratulations on your purchase of a HindSight C-1000 Vehicle Backup System that will provide your family with many years of safety enhancement. This sophisticated product provides backup camera video for the driver without altering the OEM appearance of the vehicle's interior

Reviewing this owner's manual thoroughly prior to operation will provide you with the best performance and help explain the simple requirements for proper care.

Important Safety Information:

This video product is designed and intended for the purpose of providing backup camera video for the driver. Use of this product may constitute a violation of your state's vehicle code. Please check with your local state law regarding the use of such a product.

Purchase Information

Please fill out this section for your reference and retain the original bill of sale to validate your Limited Warranty should service become necessary:

Date of Purchase: _____

Place of Purchase: _____

Unit Serial Number: _____

How to Obtain Warranty Service

To obtain warranty service, the product(s) must be returned to an authorized installer accompanied by proof of warranty coverage.

How State Law Relates to the Warranty

Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitations or exclusions of this Limited Warranty may not apply. Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state.

Limited Warranty

ONE YEAR LIMITED WARRANTY

NONTRANSFERABLE

Terms of Warranty

TMI Products, Inc (the Company) warrants to the original retail purchaser, that the auto video product(s) purchased from a Company authorized installer are free from defects in materials or workmanship under normal use and conditions for a period of one (1) year from date of purchase, except, the remote control and headphones which are warranted for a period of sixty (60) days from date of purchase. A sales receipt is required to provide proof of date of purchase.

Should the product(s) be determined defective during the applicable warranty period, the defect(s) will be repaired or replaced with a new or reconditioned part(s), at the Company's option. To obtain warranty service, the product(s) must be returned to a Company authorized installer along with proof of warranty coverage.

Exclusions:

This limited warranty excludes:

- Elimination of externally generated static or noise, or the correction of antenna problems or weak television reception.
- Costs incurred for installation, removal or reinstallation of the product(s).
- Damage to tapes, video games, software, camcorders, discs, speakers, accessories or vehicle electrical systems.
- Cosmetic damage or damage due to negligence, misuse, abuse, failure to follow operation instructions, accidental spills or customer applied cleaners.
- Damage due to environmental causes such as floods, airborne fallout, chemicals, salt, hail, windstorms, lightning or extreme temperatures.
- Damage due to accidents, road hazards, fire, theft or vandalism.
- Damage due to improper installation or connection, improper connection to equipment of another manufacturer, modifications of existing equipment, use of a faulty tape cartridge or cleaning of the VCR head.
- Product(s) which have been opened or tampered with for any reason or which have been damaged due to alteration or service performed by anyone other than the Company or a Company authorized installer.

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE COMPANY EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO THE TERMS OF THIS EXPRESSED LIMITED WARRANTY.

Some states do not allow limitation on how long an implied warranty lasts. In such states, the limitations or exclusions of this Limited Warranty may not apply.

Some states do not allow the exclusion or limitation of incidental or consequential damages. In such states, the exclusion or limitation of this Limited Warranty may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights, which vary from state to state.

EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY, THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE COMPANY EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED TO THE TERMS OF THIS EXPRESSED LIMITED WARRANTY.

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Features

- **LCD Monitor:** Provides crisp, clear images on an easy to view color screen.
- **CCD Color Camera:** High resolution and low light viewing provides versatility.
- **Simple:** Easy to mount camera installs in minutes.
- **Weather-Resistant and Waterproof Camera:** Withstands years of service in all weather conditions.

Kit Contents

Each C-1000 Vehicle Backup System Kit includes:

- VersaMount License Plate mounted camera
- 3.5" Color Monitor
- Universal Monitor Mounting Bracket
- Mounting Hardware



Specifications

Image Device	1/3" DSP Color CCD
Number of Pixels	(H) 512 x 492
Horizontal Resolution	380 TV Lines
Minimum Illumination	0.5 Lux at F2.0
Power Consumption	12 V \pm 10% DC, 100 mA
Operation Temp.	-10°C ~ +50°C, RH 95% Max.
Storage Temp.	-20°C ~ +60°C, RH 95% Max.

Care and Maintenance

Your backup monitor system is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help to fulfill warranty obligations and to provide many years of enjoyment.

Cleaning the Monitor Screen and Housing:

- The components may be cleaned by gentle wiping with a soft, lint-free, cotton cloth that has been slightly dampened with water.

⚠ CAUTION: Do not use liquids, abrasives, aerosol cleaners, or paper cleaning products because they will result in permanent damage to the finish of your components! The LCD screen is made of a specially coated glass and can be scratched or damaged by abrasive or ammonia-based window cleaners.

• Use and Storage:

- These units contain precision electronics that must be protected from dust, dirt, and moisture.
- Never spill liquids on any of the components. Liquids, humidity, and precipitation contain minerals that will corrode electronic circuits.

• Take care to avoid the following:

- Rough handling can break internal circuit boards. Do not drop, knock, or shake the components.
- Do not attempt to paint or refinish the components. Paint can clog moving parts and prevent proper operation.
- The components can be damaged by non-expert handling. Attempting to open any of the components may void the Limited Warranty.

System Installation

Camera Aiming:

1. Once all the cable connections have been made turn the HindSight system on by turning the key to the accessory position and while the parking brake is engaged put the vehicle into reverse. NEVER LEAVE THE CAR RUNNING AND IN REVERSE, EVEN IF THE PARKING BRAKE IS ENGAGED!
2. Observe the camera's viewing area displayed on the monitor. If the viewing area does not capture the area immediately behind the vehicle, or if a different viewing angle is desired, the supplied angle shims can be used to change the angle of the camera. Simply disconnect and remove the camera and place the desired shim along the back of the camera and re-install.



3. Once the desired viewing area is achieved, tighten the mounting hardware and snap the security covers into place to conceal the mounting locations on the camera.



Controls

Monitor Controls:

◀ : Decreases brightness with each press.

Brightness: Selects the Brightness control function which allows changes the overall brightness of the LCD display.

▶ : Increases brightness with each press.

Power: Turns the monitor on and off.

Adjusting the screen brightness:

Screen Adjustments: Press the 'Brightness' button, then press the ◀ or ▶ to adjust the overall brightness of the LCD display.



System Operation

1. Turn the system on by pressing the 'POWER' button on the monitor.
2. No picture will be displayed while driving unless an auxiliary source is connected to the AUX input.

When the vehicle is put in reverse, the screen will turn on (if not already on) and switch over to the REAR VIEW input to display the camera view. Once the vehicle is put into drive, the screen will revert to the AUX input signal or power off.

System Installation

1. Attach the LCD Monitor onto the Universal Monitor Mount with the (4) provided screws.
2. Connect the Monitor Cable to the back of the Monitor.
3. On the windshield, locate the desired mounting location for the LCD Monitor.
4. Verify that the Monitor does not obstruct the driver's view of the road or interfere with the sun visor.
5. Clean the desired mounting location with the provided alcohol pad.
6. Remove the adhesive cover from the Universal Monitor Mount and adhere the monitor to the windshield.
7. Route the Monitor Cable down the 'A' pillar and towards the rear of the vehicle.
8. Attach the system power harness to the corresponding connector on the Monitor Cable.



Red - 12V+ Ignition / Accessory
 Black - 12V- Ground
 Orange - 12V+ Reverse input

System Power and Ground can usually be found at the fuse block, steering column, cigarette lighter, etc. The simplest location to obtain the 12V+ reverse input is at the taillight. To locate the 12V+ reverse wire it will be necessary to gain access to the rear of the vehicle's taillight. Turn the vehicle key to the accessory position, and while the parking brake is engaged put the car in reverse.



System Installation

NEVER LEAVE THE CAR RUNNING AND IN REVERSE, EVEN IF THE PARKING BRAKE IS ENGAGED! With a digital multi-meter probe the reverse bulb wire until a wire that shows between 10-13 volts is located. The wire should show voltage ONLY when reverse is engaged.



Camera Installation:

1. Remove the mounting hardware from the vehicle's license plate.
2. Align the camera with the license plate mounting holes and temporarily mount the camera license plate to the vehicle using the supplied hardware.
3. Route the Camera Cable into the vehicle. Leave the Camera Cable connector accessible until camera viewing angle has been set.
4. Route the Camera Cable through the vehicle's interior making sure to avoid sharp edges and pinching the cable. Connect the Camera Cable to the input labeled 'Rear View' on the Monitor Cable.

