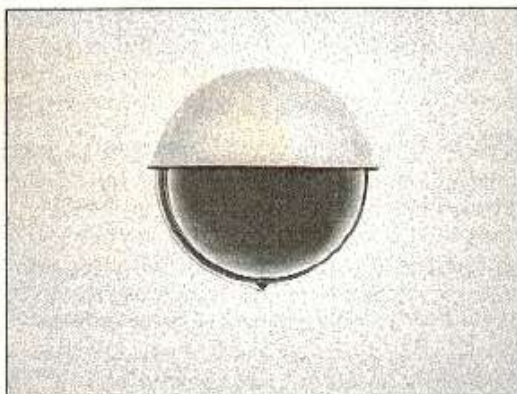


SN# TVC4-611



TOTAL VISION®

**REMOTE CONTROL VIDEO
OWNER'S/OPERATOR'S MANUAL**

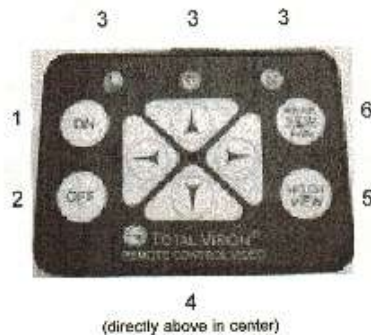


Model # TVM-2007

Serial # TVC4-611

Monitor Operation	1
Remote Keypad Features & Operation	2
Precautions	3
Care & Maintenance	3
Specifications	4
Operation and Programming Guide...See Insert	

Monitor Operation: Please see separate manual for the monitor used with your particular system.



General Keypad Features and Operation:

- 1 On/Programming button. See Programming Guide
- 2 Off/toggle for dual pan & tilt button. See Programming Guide.
- 3 LED Indicators. These lights tell you where the camera is looking at any given moment in relation to the coach. They also tell you when you are in programming mode.
- 4 Directional Pad. Pushing any of these buttons will move the camera in the direction indicated giving you Total Vision® at the rear of your vehicle!
- 5 Hitch View Button. Centers the camera looking down at the hitch area. See Programming Guide
- 6 Rear View/Fan Button. Gives 'rear view mirror' view. Also turns fan on. See Programming Guide.



Precautions

Servicing: Do not attempt to service this system yourself, as opening or removing covers may expose you to high voltage or other hazards. It could also result in voiding the warranty. Please refer servicing to qualified service personnel!

Objects and Liquids: Never push objects of any kind into the monitor ventilation holes as they might touch dangerous voltage or might short out parts that could result in electrical shock or damage to the monitor. Never spill liquid of any kind on the monitor. Should that happen accidentally, turn the system off immediately and have it checked by qualified service personnel.

Ventilation: Take care not to block or cover ventilation holes in the cabinets of monitors.

Cleaning Remote and Monitor: Cleaning of the monitor or remote should only be done with the system turned off. Use a mild, nonabrasive dish soap or Windex, with a clean, damp cloth. Do not use harsh chemicals like paint thinner, acetone, etc.

Cleaning the Globe: Use a mild, nonabrasive dish soap with a clean, damp cotton cloth. Wipe gently, rinsing with water. Dry gently with facial tissue only. Do not use paper towels! Do not use aerosol cleaners or liquid cleaners (like Windex).

PLEASE READ: *This system is intended to complement your vehicle's rear view mirrors, not to replace them. Scanning of all available information and the use of spotters is highly recommended.*

Safety First!



Camera Specifications

	B&W	Color
Image Sensor	1/3" CCD (EIA)	1/3" CCD (EIA)
Power Supply	12 Volts DC	12 Volts DC
Power Consumption	1.0 W (at 12V DC)	1.2 W (at 12V DC)
Minimum Illuminance	0.01 Lux	0.3 Lux
Operating Temperature	0°F to +140°F	0°F to 135°F
Lens (typical)	78° Field of View	78° Field of View
Resolution	380 TV Lines	330 TV Lines
View Range (Adjustable)	180° Horizontal 115° Vertical	180° Horizontal 115° Vertical



Prices and specifications subject to change without notice.

Total Vision Pan & Tilt Back Up Camera Operating Instructions

1. Turn on; Push ON button (ignition must be in the on position).
2. Look left; Push left arrow button.
3. Look right; Push right arrow button.
4. Look down; Push down arrow button.
5. Look up; Push up arrow button.
6. 'Hitch View'; Push Hitch View button briefly.
7. 'Rear View Mirror' position; Push Rear View/Fan button briefly.
8. Fan On/Off; Push Rear View/Fan button for at least one second (On). Push Rear View/Fan button for at least one second (Off).
9. Recalibrate Centering Mechanism;
Push Hitch View button for more than 1 second.
10. Switch to Camera 'B'; With system on, hold OFF button down for more than one second, release. Switch video with A/B switch. Remote keypad now operates camera B (if equipped with second camera). Repeat sequences to switch back to Camera A

Programming Instructions

1. To enter programming mode, hold the 'On' button down until all 3 LED's light up, release button.
2. If all 3 LEDs are not on, you are not in programming mode. Repeat step 1.
3. To set Left Horizontal stop - Go to program mode (step 1). Using remote keypad, adjust camera to desired stopping point. Allow about 1/8 inch of additional travel of camera due to momentum. Push ON button and left arrow button at once and release. Center and right LED' will go out. Left stopping point is reset.
4. To set Right Horizontal stop - Same procedure as 3, except use right arrow button.
5. To set Down Stop - Same procedure as 3, except use down arrow button.
6. To set Up Stop -

con't next page

Same procedure as step 3, except use up arrow button.

7. To set Hitch View -

Center camera by pushing Hitch View button (lower right hand corner of keypad). Enter programming mode (step 1). Position camera in desired vertical position. Push ON button and Hitch View button at once and release. Hitch view is reset.

8. To set Rear View Mirror view - Center camera by pushing Rear View/Fan button briefly.

Enter programming mode (step 1). Position camera in desired vertical position.

Push ON button and Rear View/Fan button at once and release. Rear View Mirror view is reset.

9. To set pan and tilt speed. There are 3 speeds, slow, medium and fast. The default speed is medium.

To change speeds:

For Slow Speed - With system on, move camera left until the red LED is illuminated. Enter programming mode (step 1), observe all three LEDs are illuminated. Push the ON button for longer than one second and release. Pan & Tilt speed is set at slow.

For Medium Speed - With system on, center camera with the centering button, observe yellow LED is illuminated. Enter programming mode (step 1), observe all three LEDs are illuminated. Push the ON button for longer than one second and release. Pan & Tilt speed is set at medium.

For Fast Speed - With system on, move camera right until the green LED is illuminated. Enter programming mode (step 1), observe all three LEDs are illuminated. Push the ON button for longer than one second and release. Pan & Tilt Speed is set at fast.