

### Universal Cargo Van Infrared Camera with Taillamp (Kit # FLTW-7604)

Please read thoroughly before starting installation and check that kit contents are complete.

#### Items Included in Kit:

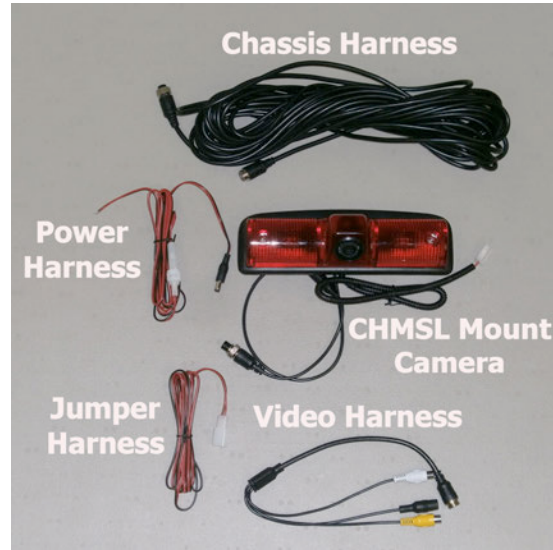
- CHMSL Mount Camera and Harness
- Video Harness
- Chassis Harness
- Power Harness
- Jumper Harness
- Female to Male RCA Adapter (not shown at right)
- These Instructions

#### Tools & Supplies Needed:

- Multi-meter or computer-safe test light
- Plastic Trim Removal Tool
- Electrical Tape or Heat Shrink Tubing
- Soldering Iron (recommended)
- Solder (recommended) or T-Taps
- Wire Ties (recommended)
- Ground Eyelet (recommended)

#### Safety Precautions:

- Work in a well ventilated area that is clear of obstructions.
- Secure vehicle with tire chucks in both front and rear of tires.
- Turn vehicle accessories OFF and ensure ignition key is in OFF position.
- Wear safety goggles and snug fitting clothes.
- Use tools only for their intended purpose and which are in good repair.
- Only perform this task if confidence, skill, and physical ability permit.



**NOTE: We strive to provide accurate and up-to-date installation instructions. The latest full color instructions can be accessed at [www.brandmotion.com](http://www.brandmotion.com)**

**Step 1:** Find a suitable mounting camera location and route camera harness accordingly.

**Step 2:** Connect Camera Harness jumper connector to supplied Jumper Harness.



**Step 3:** Connect red wire of Jumper Harness to vehicle's brake or running light (12v+ power) and black wire to chassis ground. (Recommended: Solder or T-Taps).

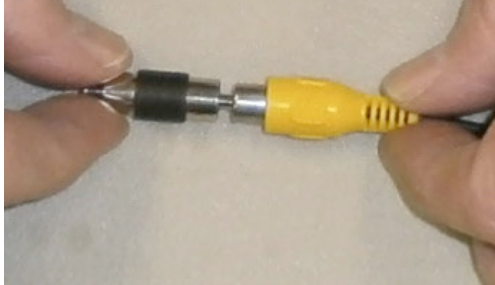
**Step 4:** Connect Camera Harness video connector to supplied Chassis Harness.



**Step 5:** Route Chassis Harness forward along the driver's side of the vehicle.

**Step 6:** Connect Chassis Harness to supplied Video Harness and route towards driver's side kick panel.

**Step 7:** (If necessary) Connect supplied Female to Male RCA Adaptor to yellow RCA Video Harness plug.



**Step 8:** Install video monitor / Navigation display per manufacturer's instructions. See Chart A below for Reverse signal location.

**Step 9:** Connect yellow RCA plug of Video Harness to "Camera IN" on the video / Navigation display. (NOTE: The white RCA plug is not used in this application.)

**Step 10:** Connect Camera Harness power connector to the supplied Power Harness.



**Step 11:** Splice the red wire from the Power Harness to a 12v+ Ignition power wire in your vehicle. (Recommended: T-taps or Solder.)

**Step 12:** Add a Ground Eyelet (recommended) to the black wire from the Power Harness and use a screw or nut to attach it to a Chassis Ground in your vehicle.

**Step 17: Test the system.** Inspect that all connections are proper and secure. Clear all loose items removed from area around the vehicle. Turn ignition key ON and shift into Reverse to test system. The video image from the Camera should appear in your display / Navigation display.

**Step 18:** Secure Chassis, Video, and Power Harnesses to existing vehicle wiring and reassemble vehicle by following your disassembly steps in reverse order. Avoid binding or otherwise damaging the harnesses. (Recommended: Wire Ties or Electrical Tape.)