

## Backup Camera Installation Instructions

Model # VCD-0043, VCD-0053, VCF-0040, VCF-0052, VCG-0048

This kit contains (1) license plate-mount CMOS camera with optional grid lines and (1) factory plug-in harness. Please read thoroughly before starting installation and check that kit contents are complete.

### Items Included in the Kit:

Camera on License Plate Mounting Bracket  
Factory Plug-in Chassis Harness  
Product Instructions

### Tools & Supplies Needed:

Wrench/Screwdriver to fit existing license plate hardware  
Electrical tape or heat shrink tubing  
Cable/wire ties  
Vehicle service manual (if needed)

### Safety Precautions:

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



### Step 1:

Place camera in desired position to confirm fitment (**Note: Some states prohibit items blocking the license plate; check local authorities to confirm legal status for your application**).

To install, first remove your license plate. Reattach your plate, securing the camera mounting bracket behind it.

### Step 2:

Disconnect the harness that leads from the tailgate under the back of the bed. There is a different plug and location for each vehicle make.



### Step 3:

Run the new camera harness through the opening in the back of the bed to the underside of the vehicle.



**Step 4:**

Connect camera harness to supplied chassis harness. Make sure to line up the connector arrows. Use tape or heat shrink after to seal connection.



**Step 5:**

Plug the new connector into the factory connector that the factory camera was just unplugged from. Be sure that the new connector "clicks" into place.

**Step 6:**

Secure your new camera harness to the existing vehicle wiring with cable/wire ties. This will minimize the chance of binding or otherwise damaging the harness.

**Step 7:**

Test the system. Inspect that all connections are proper and secure. Clear all loose items removed from the area around the vehicle and turn ignition key ON to test system.

**Step 8:**

Adjust camera angle if necessary. Loosen camera screw to aim the camera. Tighten screw at desired adjustment.



**NOTE:**

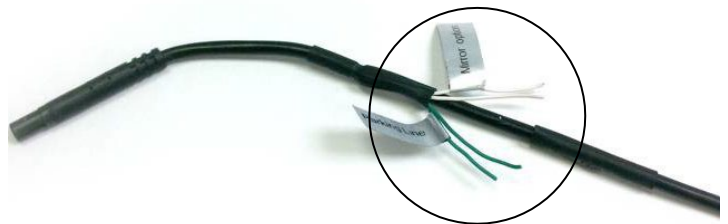
**This camera has grid lines or non-grid lines and mirror image or non-mirror image options.**

**Grid line options:**

Default setting is to display grid lines. To remove the grid line display, connect the two green wires near the end of the camera harness.

**Display options:**

Default setting is mirror image display for rearward facing camera (rear view) installation. To change to a non-mirror image for forward facing camera (front view) connect the two white wires near the end of the camera harness.



Green and white wires on the camera harness.

**If you are experiencing technical difficulties:**

Be sure to reference your vehicle's service manual for any specific camera interface/programming questions prior to calling Stromberg Carlson Products, Inc. customer service at 231-947-8600 x108