

# REARSIGHT CAMERA SYSTEM

## 250-8083A and 250-8082A Installation Instructions

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### Parts Identification

Item	Qty.	Part Number	Description
1a	1	250-8083	CMOS bullet-style color camera
1b	1	250-8082	CMOS tab or hinge-style camera
2	1	250-8579	30-foot S-video extension harness
3	1	250-8505	Male DC power harness
4	1	250-8584	S-video to RCA and DC power extension



### Vehicle Preparation

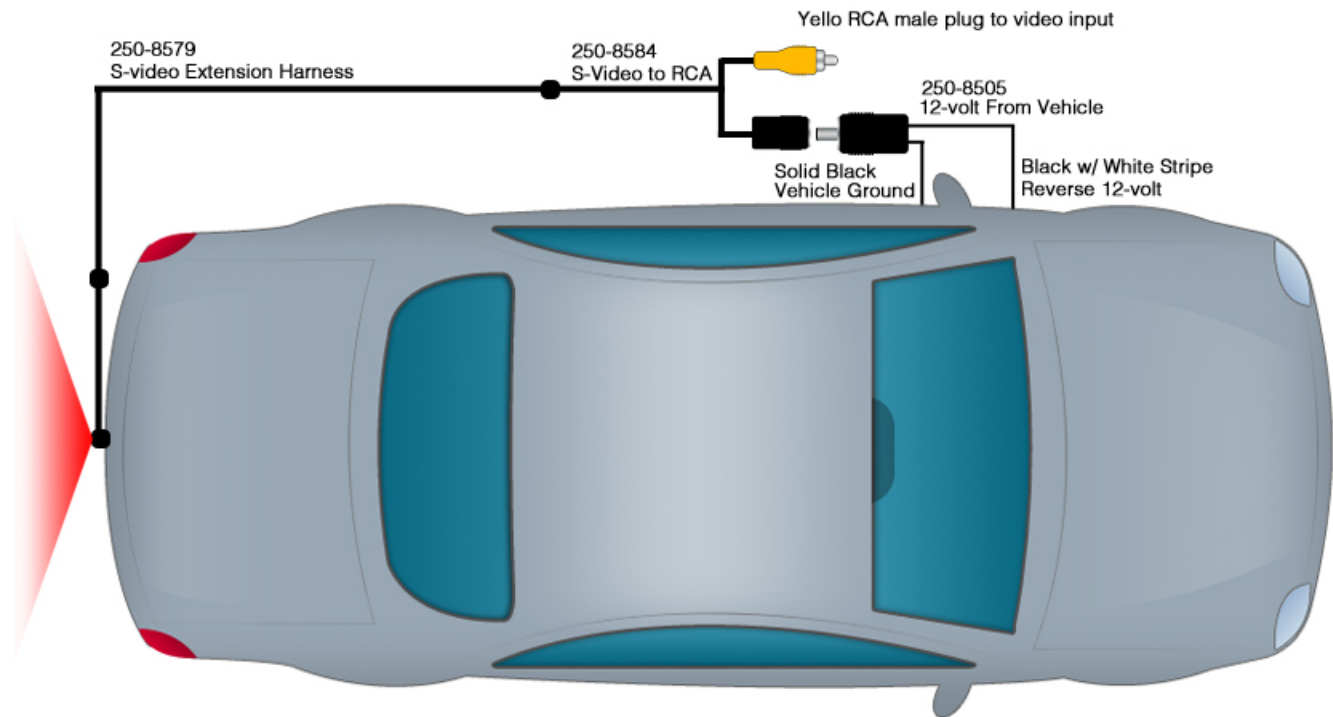
Before beginning your installation, familiarize yourself with the installation instructions and the RearSight camera system components.

To ensure your safety, **(A)** apply the emergency brake and **(B)** read this entire manual before beginning.



**CAUTION:** It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.

## System Layout



### Installation

1. Find a suitable location at the rear of the vehicle to mount the camera so that it aligns as closely to the centerline of the vehicle as possible. (**Note:** Camera 250-8083 requires a 7/8" (22mm) hole to be drilled into a body panel, bumper, or other surface for mounting.)
2. Connect camera extension harness 250-8579 to the harness built into the camera.
3. Route camera extension harness 250-8579 to the front of the vehicle either by securing to the exterior body or frame undercarriage using cable ties (trucks), or through the interior above the headliner (cars and SUVs).
4. Connect camera extension harness 250-8579 to S-Video to RCA extension harness 250-8584.
5. Connect the black with white strip wire from DC male power harness 250-8505 to a reverse-triggered 12-volt power source.
6. Connect the solid black wire from DC male power harness 250-8505 to a chassis ground point.
7. Connect DC male power harness 250-8505 to the black female DC power connector from S-Video to RCA extension harness 250-8584.
8. Connect the yellow male RCA connector to the RCA connector from your video display.

### Testing and Reassembly

#### Testing

1. Reconnect the negative battery cable and torque to 3 ft-lbs.
2. Re-enter any theft deterrent information (if applicable).
3. Turn the ignition switch to the ON position.
4. Shift the vehicle into reverse and confirm video feed to your device.

**Note:** If there is no picture present, re-check all harness connections.

## Reassembly

1. Reinstall all trim pieces taking special care to ensure harnesses and wiring connections are properly secured.
2. Make sure no harnesses are bent or pinched by trim pieces.
3. Reconnect all disconnected bulbs and check for function.

## Troubleshooting

Camera Not Working	No Video	No Reverse Override
Verify 12-volts to 250-8505 black with white stripe wire.	Verify extension harness connection to camera.	Check connectivity of 250-8505 black with white stripe wire.
Verify ground < 10 Ohms resistance.	Verify harnesses are mated correctly at camera.	Verify extension harness connection to camera.
Verify secure connection to camera extension harness.	Verify 12-volts and ground connection at camera.	Verify power connections of your video monitor.

## Parking Gridlines Note

Camera 250-8117 includes parking gridlines overlaid on the video feed by default to assist when parking in reverse. If the driver does not wish for gridlines to be included, simply locate the loop wire connected to the camera harness (**Figure 1**) and cut it in half (**Figure 2**).

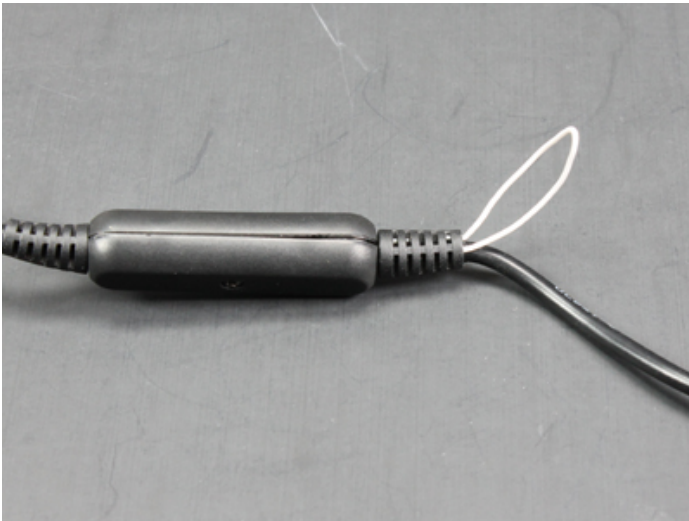


Figure 1



Figure 2