

REARSIGHT CAMERA SYSTEM

250-8800-CMOS and 250-8804-CMOS Installation Instructions

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Parts Identification

Item	Qty.	Part Number	Description
1a	1	250-8800	Magna/RearSight 3.5" LCD mirror monitor
1b	1	250-8804	Magna/RearSight SlimLine 3.5" LCD mirror monitor
2	1	250-8082	CMOS color camera
3	1	250-8579	30-foot S-video extension harness
4	1	250-8568	Hardware service package (cable ties, window lug, 250-8584)
5	1	N/A	Automotive fuse holder
6a	1	250-8850	Mirror extension harness (for use with 250-8800 mirror)
6b	1	250-8566	Mirror extension harness (for use with 250-8804 mirror)
7	1	250-8534	Power, ground, reverse extension harness



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Vehicle Preparation

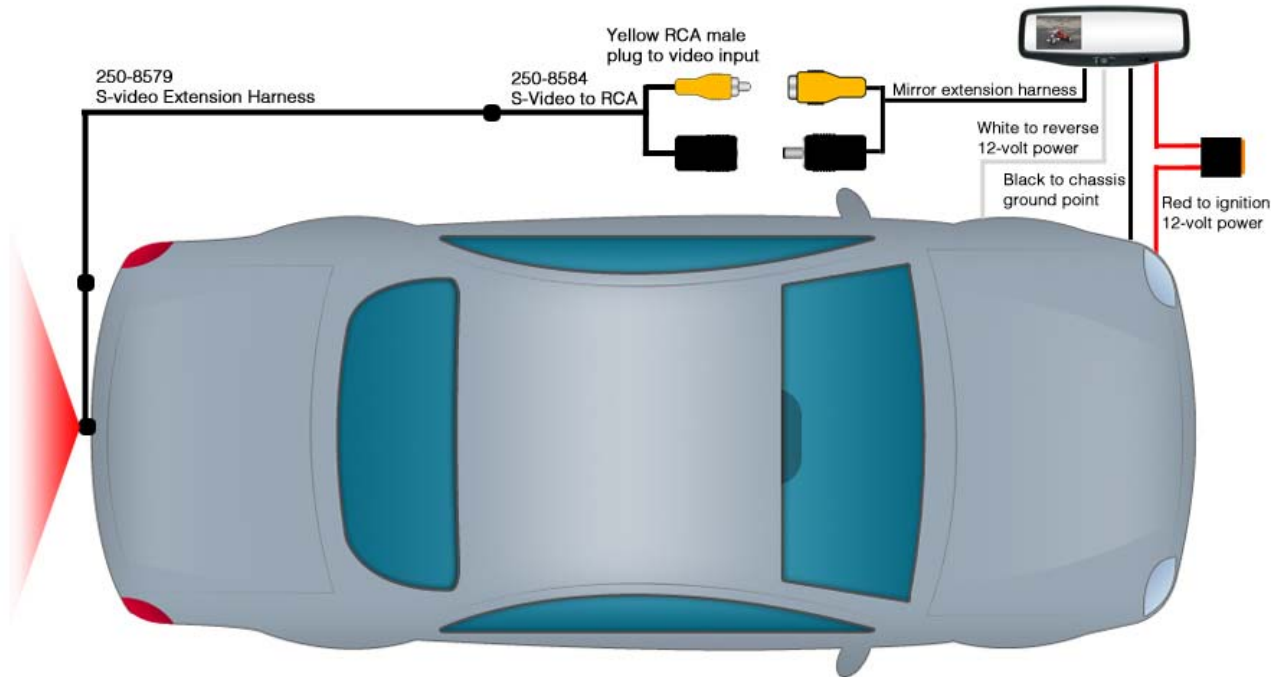
Before beginning your installation, familiarize yourself with the installation instructions and the RearSight camera system components.

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 such that when the image is displayed on the monitor, a portion of the rear bumper will be visible. This can be accomplished using either the built-in tab mount, or fitting the bracket mount to the camera. Try to align the camera as close to the center line of the vehicle as possible in order for the parking gridlines displayed on the video feed to be as effective/accurate as possible.
2. Route the harness molded into the camera into the cabin area of the vehicle. (Note: Use the supplied rubber grommet and a rust preventative if a hole is to be drilled in the vehicle to do so.)
3. Connect the 30-foot extension harness 250-8579 to the molded camera harness and route along the interior of the vehicle using the supplied cable ties to secure it in place.
4. Connect the S-video to RCA extension harness 250-8584 included in hardware service pack 250-8568 to the S-video extension harness 250-8579.
5. Locate the supplied mirror extension harness (6a or 6b above depending on the mirror).
6. Connect the red, white, and black wires of the mirror extension harness to the red, white, and black wires of the power, ground, and reverse extension harness 250-8534.
7. With the supplied fuse holder in-line, connect the red wire from extension harness 250-8534 to a 12-volt ignition power source.
8. Connect the black wire from extension harness 250-8534 to a chassis ground source.

9. Connect the white wire from extension harness 250-8534 to a reverse-triggered 12-volt power source.
10. Connect the mirror extension harness to the mirror.
11. Attach the mirror to the factory windshield lug securing it in place by tightening its Phillips head screw to the lug. (**Note:** Vehicles equipped with a windshield lug with a shape different than the mirror stem base must use the included lug and mounting adhesive to install a lug on the windshield)

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. Once the video is confirmed to be displaying in the mirror when in reverse, attach the new mirror to the windshield.
2. Reinstall all trim pieces taking special care to ensure harnesses and wiring connections are properly secured.
3. Make sure no harnesses are bent or pinched by trim pieces.
4. Reconnect all disconnected bulbs and check for function.

Troubleshooting

Mirror Not Working	No Video
Verify 12-volts to mirror harness red wire when ignition is on.	Verify camera connections including power, ground, and RCA plug connectivity.
Verify ground < 10 Ohms resistance.	Verify harnesses are mated correctly at camera.
Verify secure connection to camera RCA connector.	Verify 12-volts to mirror harness white wire when in reverse.

Installation Notes

