

REARSIGHT CAMERA SYSTEM

250-8807 Mirror Installation Instructions

Parts Identification	Page 1
Vehicle Preparation	Page 1
System Layout	Page 2
Installation	Page 2
Testing and Reassembly	Page 3
Troubleshooting	Page 4

Parts Identification

Item	Qty.	Part Number	Description
1	1	250-8807	LCD mirror monitor with gyro
2	1	N/A	CAN Interface Harness
3	1	250-8025	Hardware service pack (cable ties, fuse holder, foam tape, etc...)



Vehicle Preparation

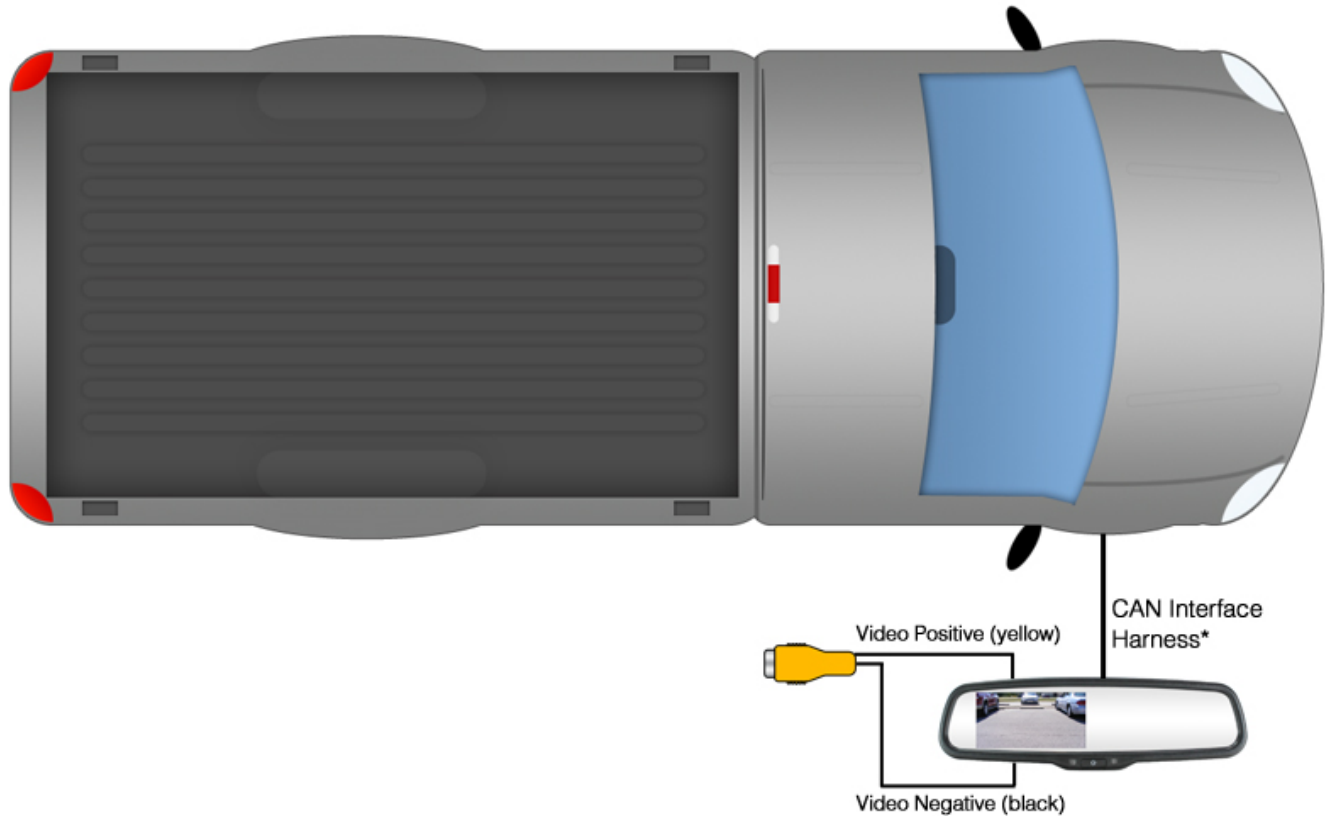
Before beginning your installation, familiarize yourself with the installation instructions and the RearSight camera system components.

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



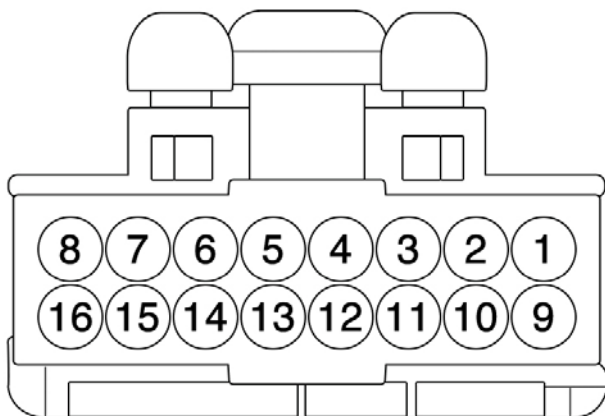
CAUTION: It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.

System Layout



* CAN Interface Harness must be used in mirror harness pin location 2 when factory mirror harness does not include CAN bus data line. See harness pin location diagram below.

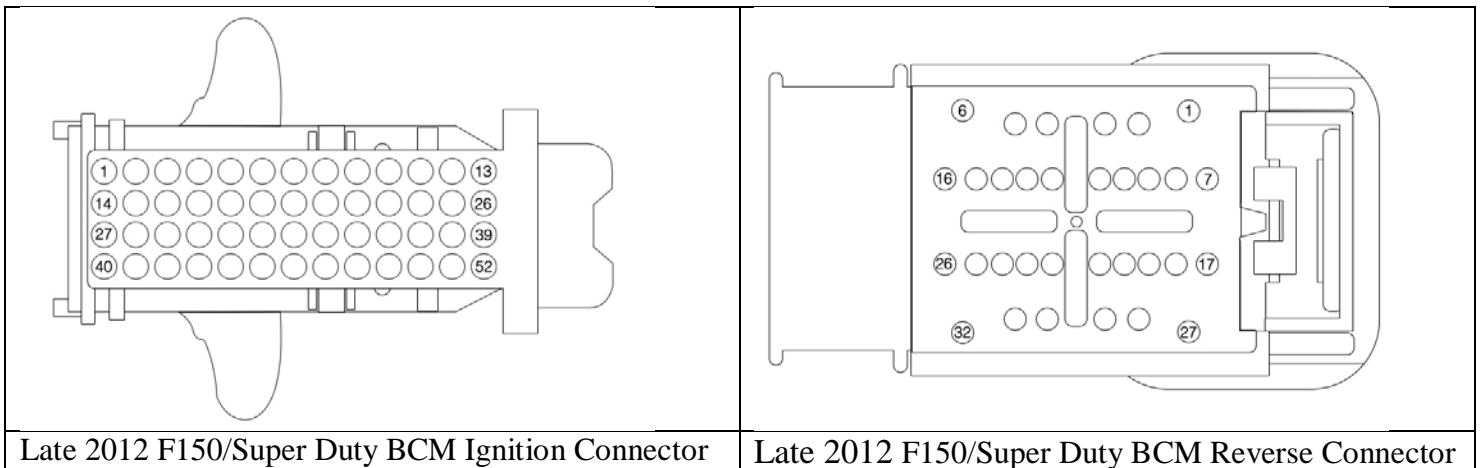
Connector 9039 – Factory Electrochromatic/Gyro-equipped Mirror Harness Pin Locations



- | | |
|--|--|
| <ol style="list-style-type: none"> 1. FUSE – 32 OR CIRCUIT BREAKER 2. CTRL MOD. – LIN BUS #SPDJB 1 3. NOT USED 4. GROUND – COWL SIDE/PILLAR A LEFT 5. NOT USED 6. NOT USED 7. NOT USED 8. CAMERA POSITIVE (+) YELLOW | <ol style="list-style-type: none"> 9. CTRL MOD. – RELAY REVERSE LAMP 10. NOT USED 11. CTRL MOD. – EC MIRROR 12. NOT USED 13. NOT USED 14. NOT USED 15. CTRL MOD. – EC MIRROR 16. CAMERA NEGATIVE (-) BLACK |
|--|--|

Installation

1. Disconnect the mirror wiring harness and remove the factory rear view mirror from the vehicle's windshield using either a mirror removal tool or other device to free the locking tab within the mirror stem base.
2. Determine if the factory mirror harness includes the following:
 - A. Pin 1- Ignition 12-volt power supply
 - B. Pin 2 – CAN bus data line
 - C. Pin 9 – Reverse-triggered 12-volt power supply
 - D. Pin 8 – Empty
 - E. Pin 16 – Empty
3. If there is no pin present in pin location 2 of the factory mirror harness, the included CAN Interface Harness must be inserted and routed to the BCM Ignition Connector at the passenger-side kick panel. Here the installer will use the include wire splice connectors to connect to Pin 52 (Blue with white stripe wire).
4. Insert the yellow (positive) bullet connector from the supplied female RCA terminal into pin location 8 of the factory mirror harness.
5. Insert the black (negative) bullet connector from the supplied female RCA terminal into pin location 16 of the factory mirror harness.
6. Connect the male RCA plug from the camera to the female RCA terminal included with this mirror.



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

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.