


REARSIGHT CAMERA SYSTEM

250-8308-RM-LCH 2010-2013 Dodge Ram CMOS Tailgate Handle Camera & Mirror

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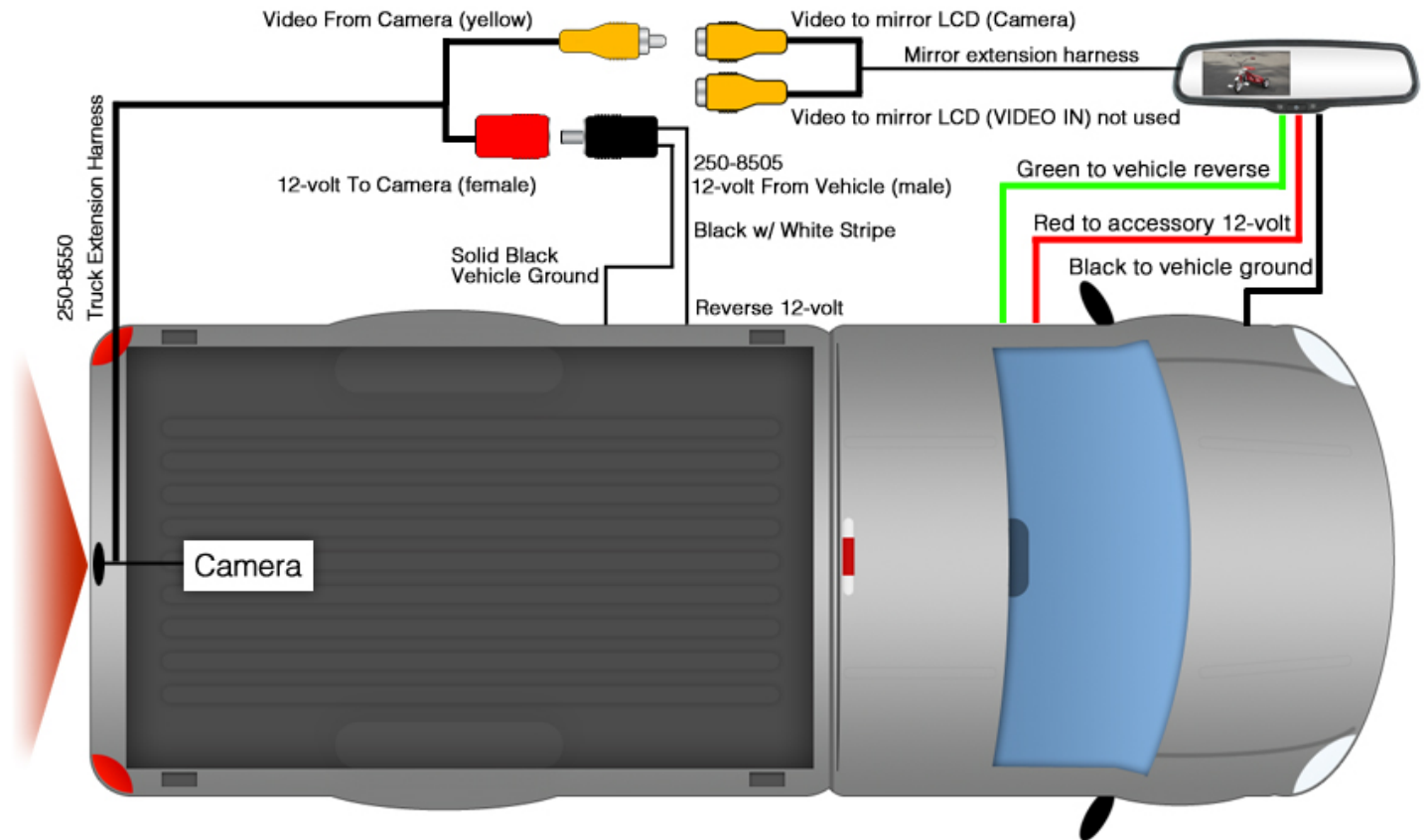
 **CAUTION:** To minimize risk of injury from contact with the monitor during an accident, always wear your seat belt. It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.

Parts Identification

Item	Qty.	Part Number	Description
1	1	250-8601	Latch Camera
2	1	250-8308	4.3" LCD Mirror/Monitor
3	1	250-8550	Truck Extension Harness
4	1	250-8505	Male DC Power Harness
5	1	250-8598	Sack Parts: Tie Straps, T-taps, Foam Tape



System Layout



Route harness 250-8550 to be joined with the yellow RCA Camera In plug. *The VIDEO IN RCA plug is not used with this application.* Use provided wire ties to secure wiring harnesses away from moving parts and sharp edges of the vehicle.

Mirror Installation

1. Remove the existing mirror from the windshield and replace with RearSight mirror. (Some vehicles may require a special mirror removal tool).
2. Tighten the base of the mirror stem to the windshield lug using a philips screw driver.
3. Connect the **Red Wire** to a fused Ignition 12-volt power circuit.
4. Connect the **Black Wire** to a vehicle ground point.
5. Connect the **Green Wire** to the reverse power circuit at the fuse panel or the rear lamp.

Camera Installation

Tailgate

1. Remove panel from the tailgate to gain access to the mounting components of the tailgate handle (**figure 1**).
2. Remove the factory tailgate latch and replace with integrated camera latch (**figure 2 and figure 3**).
3. Connect harness 250-8550 to the camera, install convoluted tubing and route to bottom side of tailgate (**figure 4 and figure 5**).
4. Route harness 250-8550 along the vehicle's undercarriage to connect your mirror (**figure 6**).



Figure 1



Figure 2



Figure 3



Figure 4



Figure 5



Figure 6

Harness Connections

1. Route extension harness 250-8550 to be joined with the yellow RCA Camera In plug in the passenger cabin of the vehicle.
2. Connect Male DC Power harness 250-8505 to harness 250-8550's Red Female DC Power input.
3. Connect the solid black wire from harness 250-8505 to a chassis ground point.
4. Connect the black with white stripe wire from harness 250-8505 to a 12-volt reverse power source.

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.

Installation Tips

- Confirm proper cable extension connector orientation and always verify proper ends are routed in correct direction.
- It is a good idea to dry-fit all pieces in this kit before permanently attaching them to ensure proper orientation and operation before beginning installation for familiarization with components.
- Always treat any metal exposed during installation with a rust preventative compound to prevent system failure due to rust and/or corrosion.
- Always seal any holes drilled with the provided sealing putty to prevent water infiltration through unprotected areas.
- Confirm integrity of mechanical and electrical connections before moving to next installation sequence.

Installation Notes

Parking Gridlines Note

This camera 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 loop wire connected to the camera harness (**figure 1**) and cut it in half (**figure 2**).

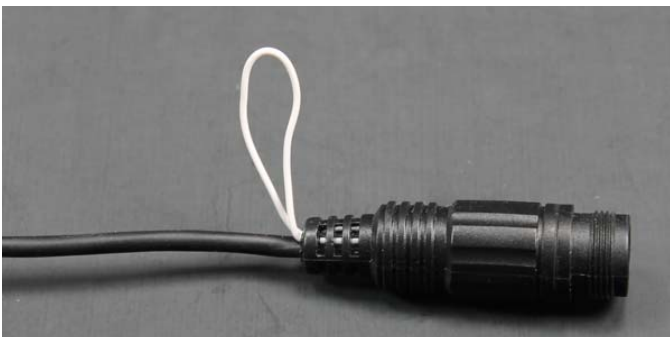


Figure 1



Figure 2