

REARSIGHT CAMERA SYSTEM

250-8645

2015+ Ford F150 Tailgate-Handle Integrated Camera Installation Instructions

Parts Identification	Page 1
System Layout	Page 2
Installation	Page 3
Testing & Reassembly	Page 4
Installation Tips	Page 4



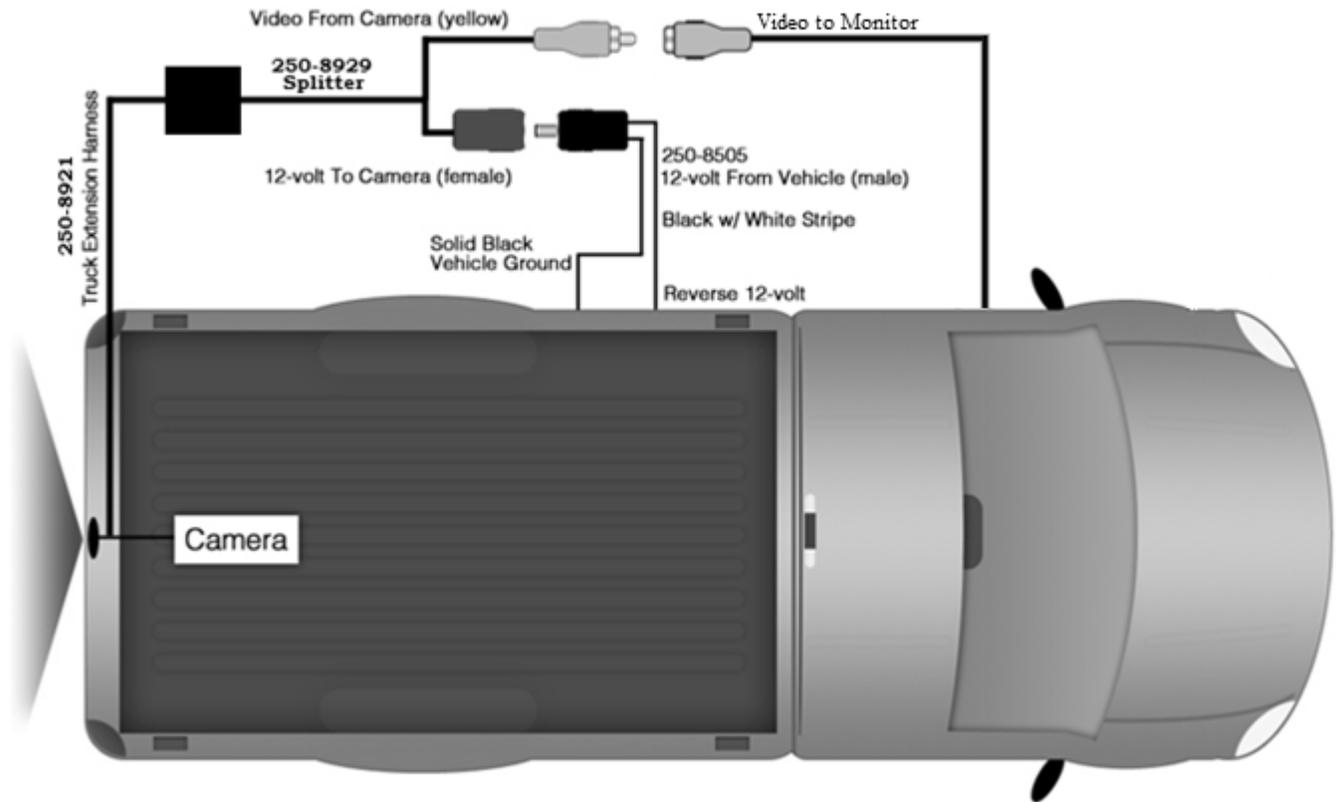
CAUTION: To minimize risk of injury from contact with the monitor during an accident, always wear your seat belt.

Parts Identification

Item	Qty.	Part Number	Description
1	1	250-8645	Latch Camera
2	1	250-8505	Male DC Power Harness
3	1	250-8929	4-pin to RCA Video Adapter Harness
4	1	250-8921	30' Video Extension Harness



System Layout



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.

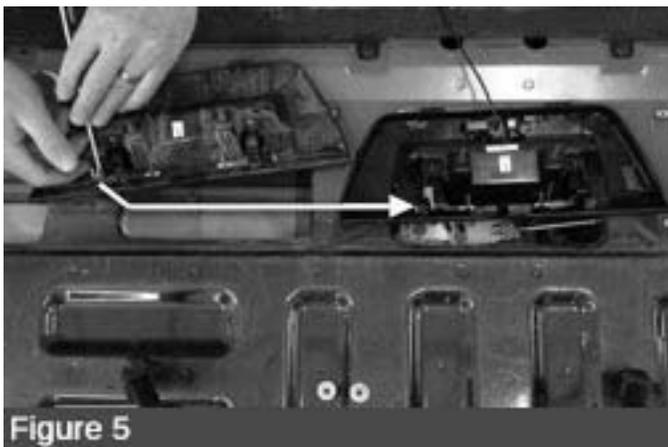
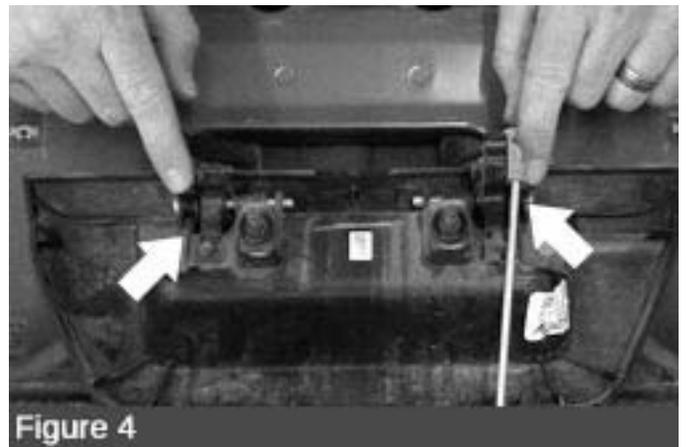
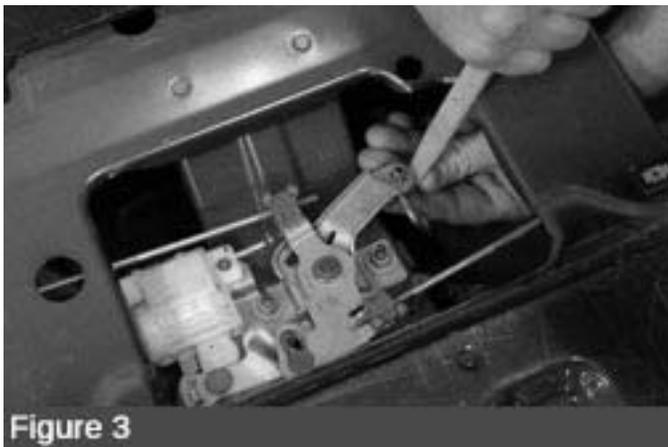
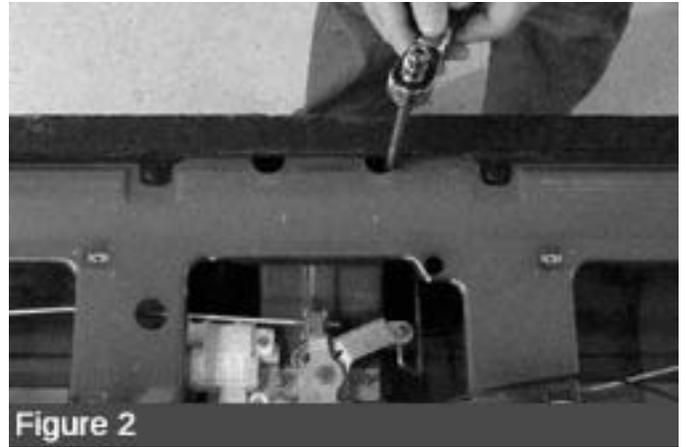
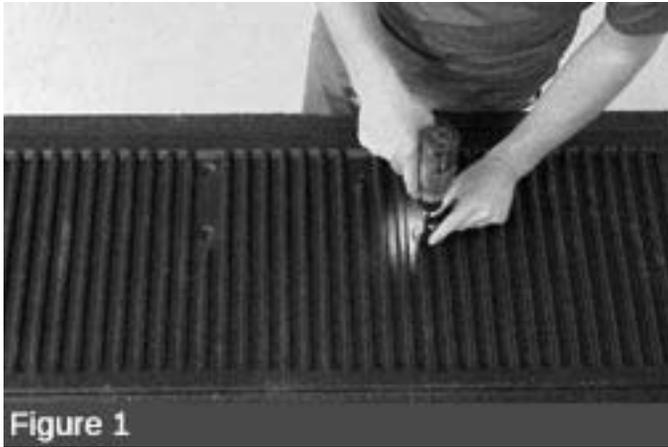


CAUTION: It is advisable to disconnect the negative battery cable for 3 minutes before beginning installation, to avoid unintended air bag deployment. Note and record any anti-theft radio codes prior to disconnecting.

Installation

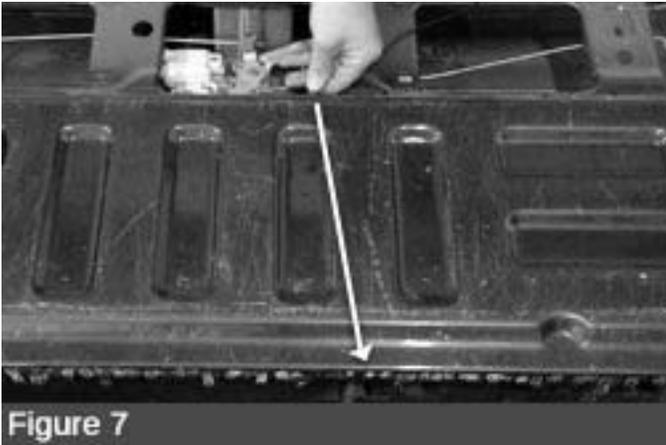
Tailgate

1. Remove liner from the tailgate to gain access to the mounting components of the tailgate handle (**Figure 1**).
2. Remove the two 10mm nuts from the factory tailgate latch (**Figure 2**).
3. Disconnect the tailgate release rod from the factory latch handle (**Figure 3**).
4. Depress the two release tabs on the factory handle and lift away from the tailgate (**Figure 4**).
5. Detach the release rod from the factory latch and transfer to the Rostra latch (**Figure 5**).
6. Feed the camera harness into the tailgate opening and press the Rostra latch into place (**Figure 6**).
7. Reattach the release rod and tighten the two 10mm nuts to the Rostra latch.



Harness Connections

1. Route the pigtail harness from the Rostra latch out the bottom of the tailgate (**Figure 7**).
2. Replace the tailgate liner (**Figure 8**).
3. Connect the 4-pin plug of the Rostra latch camera to the 4-pin plug of harness 250-8921.
4. Route harness 250-8921 along the frame rail of the vehicle attaching it to the factory wiring harness using the included cable ties.
5. Connect the 4-pin plug of harness 250-8921 to the 4-pin plug of your monitor and power on the monitor to check for functionality of the tailgate-handle backup camera. **See step 6 is using an RCA monitor.**
6. Attach the 4-pin to RCA Video Adapter 250-8929 to extension harness 250-8921.
7. Connect the red wire of Male DC Power Harness 250-8505 to a 12-volt ignition or reverse-triggered power source.
8. Connect the black wire of Male DC Power Harness 250-8505 to a chassis ground point.
9. Connect Male DC Power Harness to the female DC power input of 4-pin to RCA Video Adapter 250-8929.
10. Connect the RCA output of 4-pin to RCA Video Adapter 250-8929 to the video input of your monitor.



Testing and Reassembly

Testing

1. Reconnect the negative battery cable.
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.