**TOYOTA TACOMA 2010-**

**PART NUMBER: 250-8403**

### Kit Contents

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>INTERFACE ADAPTER HARNESS</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>REAR CAMERA ASSEMBLY</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>CAMERA INTERFACE HARNESS</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>SACK PARTS</td>
</tr>
</tbody>
</table>

### Hardware Bag Contents

<table>
<thead>
<tr>
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<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>Wire Ties</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
<td>Adhesive Foam</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>Sealing Putty</td>
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<tr>
<td>4</td>
<td>1</td>
<td>Alcohol Pad</td>
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</table>

### Additional Items Required for Install

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
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<tbody>
<tr>
<td>1</td>
<td>N/A</td>
<td>ELECTRICAL TAPE</td>
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<tr>
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<tr>
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<td></td>
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<td>4</td>
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</table>

### Conflicts

**Note:**

### Recommended Tools

**Safety Tools**

**Special Tools**

**Installation Tools**

- Fastener Removal Tool
- Wire Cutters
- Trim Removal Tool
- T30 Torx Socket
- 10-mm DeepSocket
- Torque Wrench (36 in.lb.)

**Special Chemicals**

### Color Applicability/Trim Level

### General Applicability

**All Models**

### Recommended Sequence of Application

* Mandatory

### Legend

**Stop:** Damage to Vehicle may occur. Do Not Proceed until process compliance has been met.

**Operator Safety:** Use Caution to Avoid Risk of Injury.

**Critical Process:** Proceed with Caution to Ensure a Quality Installation. These points will be audited on a completed vehicle installation.

**General Process:** This highlights specific processes to ensure a quality installation. These points will be audited during the accessory installation.

**Tools & Equipment:** This calls out the specific tools and equipment required for the process.

**Revision Mark:** This mark highlights a change in installation with respect to previous issue.

**Special Note:** Installation Sequences

After Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory installation. Unless otherwise stated in the document, the associates may perform the installation steps in any order to make the installation as efficient as possible while maintaining consistent quality.
**Parts Identification**

<table>
<thead>
<tr>
<th>Item</th>
<th>Quantity</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>250-8554</td>
<td>Interface Adapter Harness</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>250-8027</td>
<td>Camera Interface Harness</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>250-8141</td>
<td>CMOS Rear Camera Assembly</td>
</tr>
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<td>4</td>
<td>1</td>
<td></td>
<td>Sack Parts: Tie Straps, Foam Tape, Sealing Putty</td>
</tr>
</tbody>
</table>

*Before beginning installation, familiarize yourself with the installation instructions and the RearSight™ back-up camera system components.
1. Use a screwdriver with its tip wrapped in protective tape to disengage the 4 clips and remove the air conditioner control assembly. Disconnect all connectors. **Figure 1**

2. Remove 4 (10mm bolts) and disengage the 5 clips and remove the radio receiver assembly with bracket. Disconnect all connectors. **Figure 2**

**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.
VEHICLE PREPARATION CONTINUED...

3. Disengage the 2 clips to remove the front driver side floor footrest. **Figure 3**

4. Disengage clips, and remove the front door scuff plate and kick panel. **Figure 4**

5. Remove (2) 10mm bolts and disengage the clips to remove the lower instrument finish panel. **Figure 5**

6. Remove (2) 10mm bolts and disengage the clips to remove driver side front pillar garnish. **Figure 6**
7. Use a T30 torx socket wrench to remove 7 screws and disengage clips to remove the tail gate protector.  
   Figure 7

8. Use a T30 torx socket to release 8 screws and remove the tailgate service hole cover.  Figure 8

9. Disconnect the connector and remove existing wiring cable in tailgate. Remove (2) 10mm bolts from dummy housing. Discard dummy housing. The bolts will be needed later for the camera install.  Figure 9
INSTALLING INTERFACE HARNESS

1. Connect the Interface Adapter Harness into radio receive connector housing R17 as shown in Figure 10. Connect vehicle white connector R17 into mating connector of the interface adapter harness.

2. Locate removed white connector R15 from the radio receiver that connects beside the interface adapter harness connection. Figure 11. Be sure to pull out terminal retainer at the center of connector. Figure 12. Insert terminal from interface adapter harness into pin 2 of connector R15. Figures 13 & 14

3. Carefully lock the terminals into place. Pull the terminals back gently to check whether it is locked correctly. Reassemble connector and place back onto ECM. Be sure retainer is pressed in before reinstalling. Secure harness with wire ties.
INSTALLING INTERFACE HARNESS
CONTINUED...

4. Route Interface Adapter Harness through the lower dash panel area to driver side a-pillar using the factory retaining clips or foam tape whenever possible. Disconnect white 16-pin pass through connector. Install Interface Adapter Harness. Connect white 16-pin connector into mating connector of the Interface Adapter Harness. Figure 15

MOUNTING CAMERA AND ROUTING HARNESS

1. Use the previously removed (2) 10mm bolts to mount Camera Assembly and bracket to latch. Figure 16. Connect the camera harness to the Camera Interface Harness. Secure the connector to the tailgate with foam tape to prevent rattles. Figure 17.

2. Use wire ties and existing wire clips when routing the camera interface harness though tailgate. Route the camera interface harness to the hole at the bottom right side of the tailgate. Pull the connector through, then insert and route the harness under the bed through the second hole. Use the existing harness clips at the bottom of the tailgate to secure the harness. Figure 18

3. Connect the camera interface harness to the vehicle camera connector BN1 under the bed as shown in Figure 19. Secure the harness with wire ties.
TESTING

1. **Reconnect Negative Battery Cable and Torque to 3 ft lbs.** Re-enter any theft deterrent information, if applicable.

2. **Turn the ignition switch on.** Put the vehicle in reverse. Verify that the radio display is on and that the camera’s picture appears.

3. If there is no picture, verify all connections are secure.

REASSEMBLY

1. **Reinstall all trim pieces taking special care to ensure harnesses and wiring connections are properly secured.**

2. Be sure harness is not pinched or bound by trim pieces.

3. Place the Owner’s card in the glove box.

4. Reconnect all disconnected bulbs and check for function.
TOYOTA TACOMA 2010- REAR SIGHT
FUNCTION VERIFICATIONS

CHECK: ____________________________

Look For: ____________________________

ACCESSORY FUNCTION CHECKS

☐ TURN THE IGNITION SWITCH On AND PUT VEHICLE IN REVERSE

VERIFY CAMERA PICTURE COMES ON. (IMAGE WILL DISAPPEAR WHEN VEHICLE IS TAKEN OUT OF GEAR)

☐ TURN THE IGNITION SWITCH On AND PRESS “Auto” BUTTON

VERIFY LED LIGHT IS ON IN IGNITION

VEHICLE FUNCTION CHECKS

☐ TAILGATE LATCH RELEASE

VERIFY LATCH RELEASE HANDLE OPERATES

☐ BACK UP LIGHTS

VERIFY BACK UP LIGHTS COMES ON WHEN PLACED IN REVERSE

☐ RADIO OPERATION (CHECK BY PLACING VEHICLE IN REVERSE GEAR)

RADIO SHOULD OPERATE NORMALLY