ITEM QTY DESCRIPTION
1 1 Control Switch Assembly
2 2 Screws (M5)
3 3 Hardware Contents

**Base Kit Contents**

**Hardware Bag Contents**

ITEM QTY DESCRIPTION
1 1 Cruise ECM Harness For Corolla
2 1 Cruise ECM Harness For Tacoma
3 4 Wire Ties
4 1 Foam Tape

**Additionl Items Required for Install**

ITEM QTY DESCRIPTION
1 1 Clutch Switch (for manual trans.)

**Conlicts**

**Note:**

**Recommended Tools**

**Personal & Vehicle Protection**

Safety Glasses
Fender Cover
Gloves (optional)

**Special Tools**

Battery Post Protector

**Installation Tools**

Trim Removal Tool Phillips Screwdriver
10-MM Wrench T-30 Bit
3/4 Wrench Drive Torque Wrench
Drill Bits 1/4” and 1 1/2” Hole Saw
14MM Wrench

**Special Chemicals**

**Service Tool Contents**

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
</table>

**General Applicability**

All Tacoma Models

**Service Parts**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part#</th>
<th>Description</th>
</tr>
</thead>
</table>

**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.

VEHICLE PROTECTION: This calls out for protection of vehicle required for this process.

**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.
VEHICLE PREPARATION:

1. Disconnect the cable from the negative terminal of the battery. **Figure 1**

   ![Figure 1](image1.png)

   **CAUTION:** Ensure that battery has been disconnected for more than 90 seconds prior to removal of airbag; Failure to heed this warning may result in airbag discharge and may cause serious injury or death.

2. Remove airbag by releasing side panels from steering wheel and extracting the two 30 Torx screws as illustrated in **Figure 2**.

3. Remove ground terminal and dummy horn/cruise connector from steering wheel and discard. Utilize small screwdriver to remove airbag connectors as illustrated in **Figure 3**.

   ![Figure 2](image2.png)

   ![Figure 3](image3.png)

   **CAUTION:** Be sure to store airbag face up as illustrated in **Figure 4** to reduce injury in event of accidental discharge of airbag.

4. Remove 2 Phillips screws to release the steering column shroud. **Figure 5**

5. Pull the glove compartment door assembly toward the rear of the vehicle to release the 3 hinges and remove the glove compartment door assembly. **Figure 6**

   ![Figure 5](image5.png)

   ![Figure 6](image6.png)
CONTROL SWITCH

1. Use the Switch Hole Cutting Template on page 10 to place the template on the inside of the right side trim panel. Cut out a 1/4” pilot hole as shown in Figure 7. Use a 1 1/2” hole saw to drill the hole location on the trim panel. Figure 9.

2. Place the trim panel on a drilling surface as shown in Figure 8. Install the top plate onto the fixture. Use a 1 1/2” hole saw to cut out the hole location on the trim panel. Figures 9 & 10
CONTROL SWITCH CONTINUED

3. **Mount Cruise Control switch with two** (2) **Phillips screws provided. Remove ground terminal and dummy horn/cruise connector from steering wheel and discard. Plug in cruise switch connector ensuring to re-connect ground terminal.** **Figures 11-12**

CRUISE ECM AND GROUND HARNESS

1. **Locate black connector S8 behind steering wheel at right side of sub assembly. Figure 13. Remove connector. Be sure to push out terminal retainer at the center of connector. Figure 14. Insert the Clock-spring terminal from the Brown Cruise ECM Harness to Pin 1 (cruise circuit) of connector S8 carefully locking terminal into place. Figure 15. Pull the terminal back gently to check whether it is locked correctly.**

2. **Insert the Clockspring terminal from the Black Cruise Ground Harness into pin 2 of connector S8 carefully locking terminal into place. Pull the terminal back gently to check whether it is locked correctly. Figures 15. Reassemble connector and place back onto sub assembly. Be sure retainer is pressed in before reinstalling.**

2. **Route the ground harness along the factory harness to a 10mm bolt on the vehicle frame. Remove the 10mm bolt and install the ring terminal from the Black Cruise ground harness. Secure the harness with wire ties.**
1. **For Manual Transmission**: Record the stop bolt position on the clutch pedal. Use a 14mm wrench to remove. Replace Clutch Pedal Stop Bolt with Rostra Clutch Disengagement Switch. Attach Clutch harness to Clutch disengagement Switch. Figures 16-17

2. **For Manual Transmission Tacoma Only**: Locate Connector C14 above Clutch Pedal, Figure 18, and attach Red T-Taps to the Lt. Blue and Lt. Green Wires. Connect Male Terminals to Violet Wires of Clutch Harness and make connection with the T-Taps previously installed.
07-08 CRUISE ECM HARNESS

1. Route the Tacoma Cruise ECM Harness to the ECM behind the glove box. Remove glove box. Locate white connector E7 (second from bottom) of the ECM. Figure 19. Be sure to pull out terminal retainer at the center of connector. Figure 20. Insert ECM terminal from the Brown wire of the Tacoma Cruise ECM Harness to the following model year locations:

07-08 Tacoma (Figure 21)
1GRFE Engine: Connector E7 Pin 2 Brown/White
2TRFE Engine: Connector E7 Pin 31 Brown/White

2. If the Brown/White wire is present in pin 2 or 31 of connector E7, cut off terminal from Brown wire of Tacoma Cruise ECM Harness and solder to Brown/White wire in pin 2 or 31.

3. Carefully lock the terminal into place. Pull the terminal 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.

4. Reassemble according to below instructions, then repeat testing procedure.
TESTING

1. Reinstall Airbag. Torque screws to **78 in\*lbs**.

2. Reconnect negative battery cable and torque to **3 ft\*lbs**.

⚠️

3. Turn the ignition to the “on” position. Press the “Cruise On-Off” button. This turns the system on. The indicator light in the instrument panel will come on.

REASSEMBLY

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

2. Be sure harnesses are not pinched or bound by trim pieces.
1. Locate connector S8 of clockspring below right hand side steering column. Refer to Figure 23

2. With ignition switch on, place positive lead of meter on pin 1 (DC).

3. Place common lead on pin 2 (Ground). Confirm readings are as follows:
   a. Key on: 12 volts.
   b. Key on, press cruise switch ‘On’ and hold: 0 volts.
   c. Key on, press cruise switch ‘Set’ and hold: 6 volts.
   d. Key on, press cruise switch ‘Resume’ and hold: 3 volts.

4. If the voltages are different replace control switch.

5. If there is not 12 volts on pin 1, then do a continuity test from the control switch (behind air bag) to the computer.

6. If no continuity, then check pin insertions at control switch, clockspring and computer.

7. If continuity is good, then verify pin positions at clockspring and computer.

8. If all positions check ok and continuity is good, then there is a computer problem. Consult a Toyota dealer.