**BASE KIT CONTENTS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Control Switch Assembly</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>Screws (M5)</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>Hardware Contents</td>
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**HARDWARE BAG CONTENTS**

<table>
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<tr>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Cruise ECM Harness For Corolla</td>
</tr>
<tr>
<td>2</td>
<td>1</td>
<td>Cruise ECM Harness For Tacoma</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
<td>Wire Ties</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>Foam Tape</td>
</tr>
<tr>
<td>5</td>
<td></td>
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</tr>
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<td>6</td>
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**ADDITIONAL ITEMS REQUIRED FOR INSTALL**

<table>
<thead>
<tr>
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<th>Qty</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Clutch Switch (for manual trans.)</td>
</tr>
</tbody>
</table>

**CONFLICTS**

**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>
<tbody>
<tr>
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</tbody>
</table>

**GENERAL APPLICABILITY**

**ALL YARIS models**

**SERVICE PARTS**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part#</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>250-2706</td>
<td>Corolla ECM Harnesses</td>
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<tr>
<td>2</td>
<td>250-4206</td>
<td>Clutch Switch</td>
</tr>
<tr>
<td>3</td>
<td>250-4380</td>
<td>Clutch Switch and Clutch ECM harness</td>
</tr>
</tbody>
</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. **Disconnector the cable from the negative terminal of the battery.** Figure 1

   CAUTION: Ensure that battery has been dis-connected 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 extracting the two 30 Torx screws as illustrated in Figure 2. For 2012 Yaris:** Using a "TORX" driver, push in the 3 snap rings to dis-engage it from the 3 pins. Figure 3.

3. **Remove ground terminal and dummy horn/cruise connector from steering wheel and discard. If ground harness for horn is present on a separate vehicle connector, leave horn ground connected. Utilize small screwdriver to remove airbag connectors as illustrated in Figure 4.**

   CAUTION: Be sure to store Airbag face up as illustrated in Figure 5 to reduce injury in event of accidental discharge of airbag.

   ![Figure 1](image1.png)
   ![Figure 2](image2.png)
   ![Figure 3](image3.png)
   ![Figure 4](image4.png)
   ![Figure 5](image5.png)
CONTROL SWITCH

1. Use the Switch Hole Cutting Template on last page. Place the template on the right side of the steering shroud as shown and drill two a (1/4") pilot hole. **Figure 6.**

2. Remove Yaris switch hole cutting template. Use a 1 1/8” hole saw to drill switch hole. **Figure 7.**

3. Mount Cruise Control switch with two (2) Phillips screws provided. If ground harness for horn is present on a separate vehicle connector, remove horn ground from cruise harness. Plug in cruise switch connector ensuring to re-connect ground terminal. **Figures 8-9**

4. If vehicle has manual transmission, skip to next page. If vehicle has automatic transmission, continue to the Testing section below.

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 operation turns the system on. The indicator light in the instrument panel will come on. If this light comes on, see the operating instructions. If the light does not come on, complete installation on page 6 using small parts package.
1. **For Manual Transmission Yaris Only:** 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 10-11**

2. **For Manual Transmission Yaris Only:** Locate connector A29 or (A67 for 12 Yaris HB) between the junction box and brake switch. **Figure 12. Note: If connector is not present, go to next page.** Connect one of the two Violet Wires from the Clutch Disengagement Switch to the Black wire in Pin 1 of connector A29. Connect the other Violet wire to the Blue or Red wire in Pin 2 of connector A29. Secure clutch switch harness with wire ties.

### Testing

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

![Warning Symbol]

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 operation turns the system on. The indicator light in the instrument panel will come on. If this light comes on, see the operating instructions. If the light does not come on, complete installation on page 6 using small parts package.
CLUTCH ECM HARNESS

FOR VEHICLES WITHOUT CLUTCH HARNESS WIRING

1. Locate left black ECM connector C20 in the engine compartment on the passenger side firewall. **Figure 13** Remove connector and wire cover. **Be sure to pull out terminal retainer at the center of connector with precision tool.** Use brown ECM Harness in sack part and insert terminal in **Pin 56** (clutch circuit) of connector C20. **Note: if blue wire is present, connect brown Cruise ECM Wire to blue wire in Pin 56.** **Figure 14**

2. Route the brown Cruise ECM Wire through grommet on firewall to the clutch area along the existing vehicle wiring. **Note: the Cruise ECM Wire will may require adding wire to extend to clutch area.**

3. Connect brown ECM Harness to one of the two violet wires of the Clutch Disengagement Switch. Connect other violet wire to **black wire in Pin 24** (clutch ignition circuit) of connector 4B at junction box. **Figure 15**

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 operation turns the system on. The indicator light in the instrument panel will come on. If this light comes on, see the operating instructions. If the light does not come on, complete installation on next page using small parts package.
CRUISE ECM HARNESS

1. Remove 2 screws and remove the steering wheel shroud cover. **Figure 16**

2. Locate black ECM connector A21 or (A72 12 Yaris Hatchback) in the engine compartment on the passenger side firewall. **Figure 17** Remove connector and wire cover. **Be sure to pull out terminal retainer at the center of connector with precision tool.** **Figure 18** Locate black Cruise ECM harness in sack part. Insert terminal with purple seal into pin 40 or pin 60 for 12 Yaris HB (cruise circuit) of connector A21 or A72. If Blue or Green wire is present, cut off terminal end with purple seal. **Connect black Cruise ECM Wire to Blue Wire in Pin 40 or Green Wire in Pin 60 (cruise circuit) of connector A21 or A72. Figures 19-20**

3. Route the Cruise ECM Wire to the steering wheel area along the existing vehicle wiring. **Note:** The Cruise ECM Wire may require adding wire to extend to steering wheel.

![Figure 16](image1.png)
![Figure 17](image2.png)
![Figure 18](image3.png)
![Figure 19](image4.png)
![Figure 20](image5.png)
CRUISE ECM HARNESS

5. Locate white or black connector D3 behind steering wheel at right side of sub assembly. Figure 21. Remove connector. Be sure to push out terminal retainer at the center of connector. Figure 22. Insert the D3 terminal from the black Cruise ECM wire to Pin 1 (cruise circuit) of connector D3. Figures 23

6. Insert the D3 terminal from Cruise Ground Wire into pin 2 (cruise ground) of connector D3 carefully locking terminal into place. Figure 23. Pull the terminals back gently to check whether it is locked correctly. Reassemble connector and place back onto sub assembly. Be sure retainer is pressed in before reinstalling.

7. Route the ground wire along the factory harness to the 10mm bolt at Ground Point D1 as shown in Figure 24. Remove the 10mm bolt and install the ring terminal from the Cruise Ground Wire. Secure the harnesses with wire ties.

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 operation turns the system on. The indicator light in the instrument panel will come on. Note: Some 08 year model vehicles do not have a cruise indicator light in dash. Test with a multi-meter for 12 volts ignition power between pins 1 & 2 of clockspring connector.

   a. Key on, press cruise switch ‘On’ and hold: 0 volts.
   b. Key on, press cruise switch ‘Set’ and hold: 6 volts.
   c. Key on, press cruise switch ‘Resume’ and hold: 3 volts.
   If voltage is present, test drive vehicle for cruise operation.
YARIS TEMPLATE

ALIGN WITH BOTTOM OF SHROUD

CUT OUT

DRILL 1/4” PILOT HOLE

2 Inches