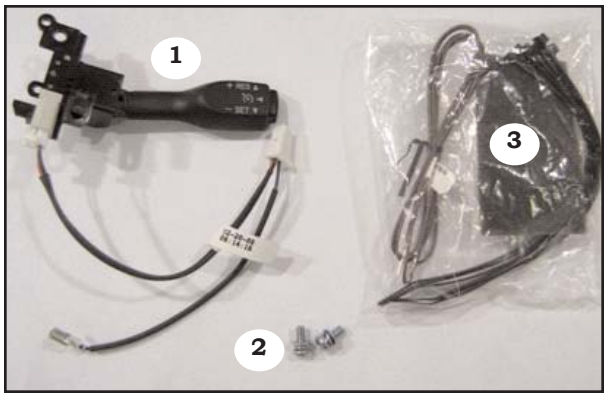
2012 Toyota Prius C — Cruise Control Kit

Part Number: 250-1836



Base Kit Contents

Item	Qty	Description
1	1	Control Switch Assembly
2	2	Screws (M5)
3	3	Hardware Contents

Hardware Bag Contents

Item	Qty	Description
1	1	Cruise ECM Harness, Brown
2	1	Cruise ECM Harness, Green
3	1	Cruise ECM Harness, Blue
4	1	Cruise Ground Harness, Black
5	6	Wire Ties
6	1	Foam Tape

Additional Items Required for Install

Item	Qty	Description

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

Item	Qty	Description	Part Number

General Applicability

Prius C models with automatic transmission

Service Parts

Item	Part#	Description
1	250-2735	Cruise ECM Harnesses for non-prewired

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.

INSTALLATION

VEHICLE PREPARATION:

1. Release two clips to remove passenger side rear seat panel to access battery. **Figure 1**

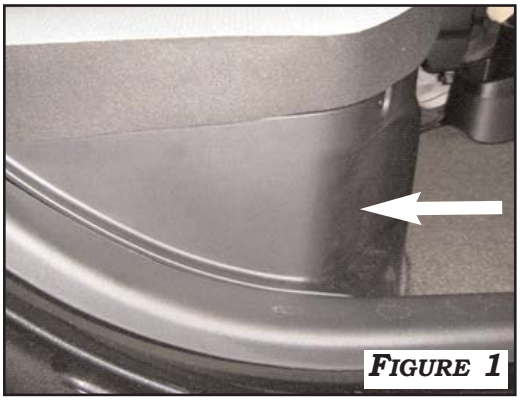


Figure 1

2. Disconnect the cable from the negative terminal of the battery. **Figure 2**

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.***

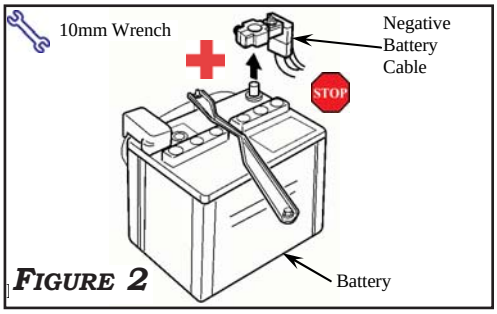


Figure 2

3. Release side panels from steering wheel as illustrated in **Figure 3.**

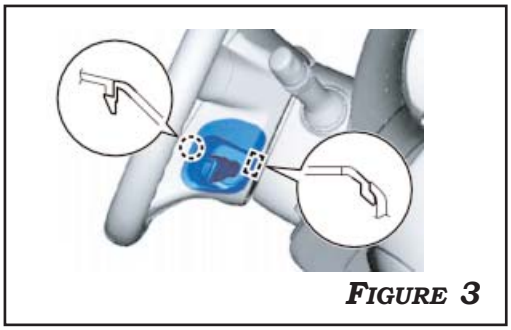


Figure 3

4. Using a Torx driver, push in the 2 torsion springs to disengage the 2 pins to release the airbag. **Figure 4**

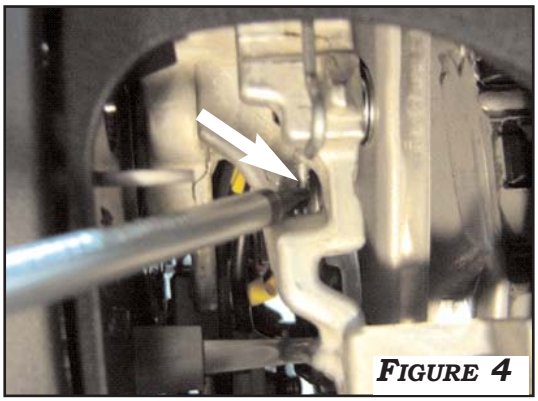


Figure 4

5. Remove ground terminal from airbag . Utilize small screwdriver to remove airbag connectors as illustrated in **Figure 5**.

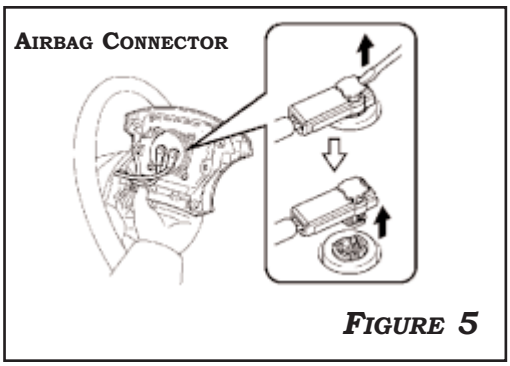


Figure 5

INSTALLATION

VEHICLE PREPARATION CONTINUED...

CAUTION: *BE SURE TO STORE AIRBAG FACE UP AS ILLUSTRATED IN FIGURE 6 TO REDUCE INJURY IN EVENT OF ACCIDENTAL DISCHARGE OF AIRBAG.*

STORE AIRBAG FACE UP AS ILLUSTRATED BELOW

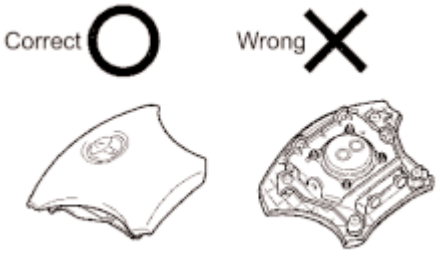


FIGURE 6

6. REMOVE THE LOWER INSTRUMENT PANEL FINISH PANEL. **FIGURE 7**

FIGURE 7

7. REMOVE 3 PHILLIPS SCREWS TO RELEASE THE STEERING COLUMN SHROUD. **FIGURE 8**

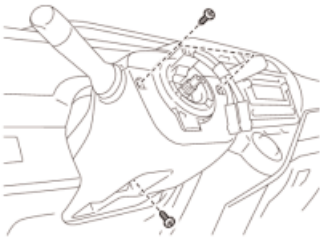


FIGURE 8

INSTALLATION

CONTROL SWITCH

1. Use a **1 1/2"** hole saw to drill the hole location on the trim panel as shown in **Figure 9.**

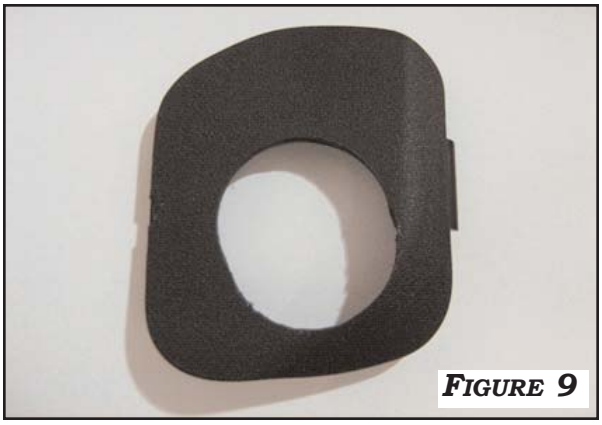


Figure 9

2. Mount Cruise Control switch with two ***(2)*** Phillips screws provided. **Remove ground terminal from Rostra cruise connector and discard**. Plug in cruise switch connector ensuring to re-connect ground terminal. **Figures 10-11**

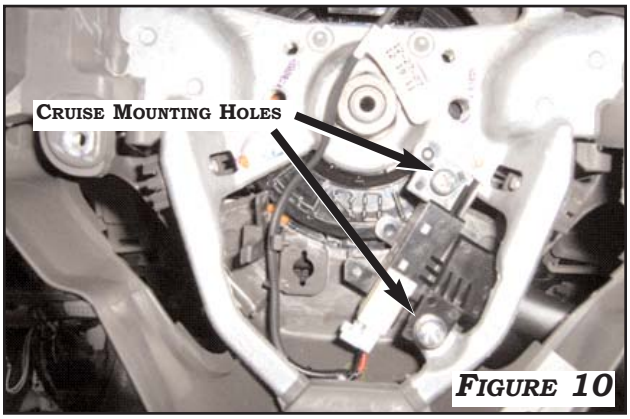


Figure 10

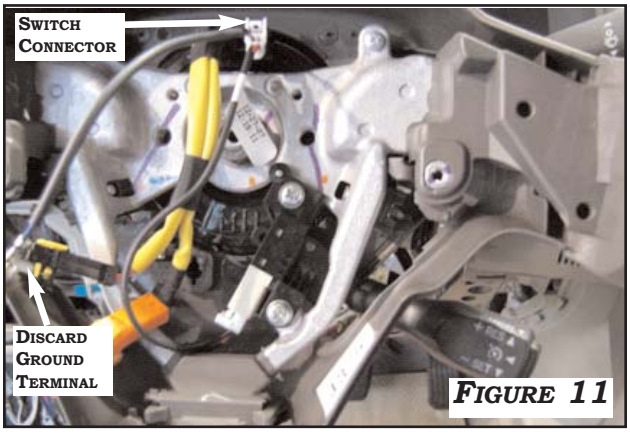


Figure 11

INSTALLATION

CRUISE ECM AND GROUND HARNESS

1. Locate black connector **G5** behind steering wheel at right side of column. **Figure 12**. Remove connector. **Be sure to press in tabs on both sides to push up terminal retainer at the center of connector. Figure 13.** Insert the **Clock-spring** terminal from the **Brown** Cruise ECM Harness to **Pin 1** (cruise circuit) of connector **G5** carefully locking terminal into place. **Figure 14**. Pull the terminal back gently to check whether it is locked correctly.

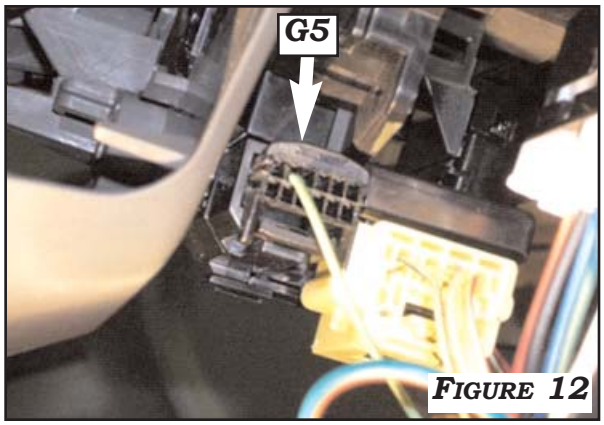


Figure 12

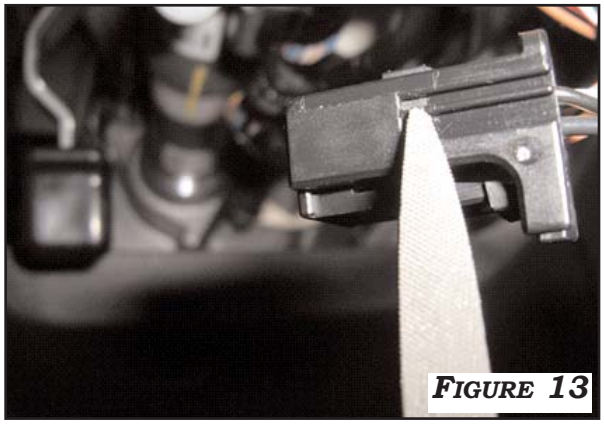


Figure 13

2. Insert the **Clockspring** terminal from the **Black** Cruise Ground Harness into pin **2** of connector **G5** carefully locking terminal into place. Pull the terminal back gently to check whether it is locked correctly. **Figure 14**. Reassemble connector and place back onto clockspring. **Be sure retainer is pressed in before reinstalling.**

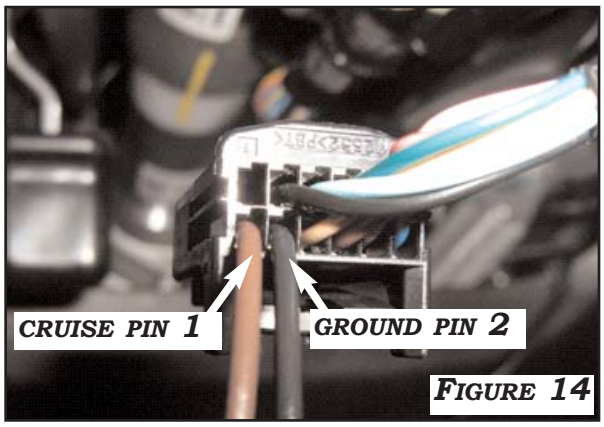


Figure 14

3. Route the ground harness along the factory harness to the 10mm bolt as shown in **Figure 15.** Remove the 10mm bolt and install the ring terminal from the **Black** Cruise ground harness**. Secure the harness with wire ties as shown.**

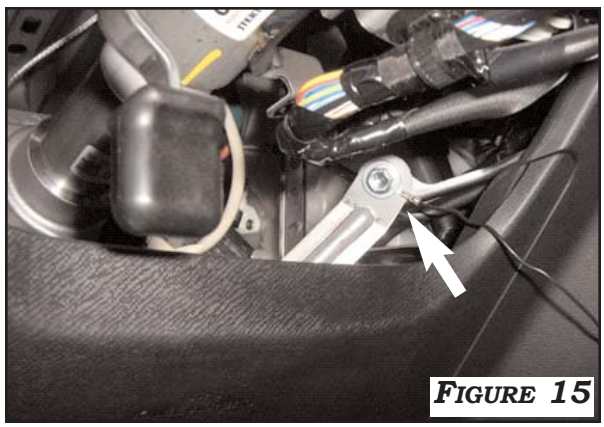


Figure 15

INSTALLATION

CRUISE ECM HARNESS

1. Route the **Brown** Cruise ECM Harness to the ECM behind the removed lower instrument panel. Locate gray connector **G58** (top) of the ECM. **Figure 16**. **Be sure to press in tabs on both sides to push up terminal retainer at the center of connector. Figure 17.** Insert **ECM** terminal from the **Brown** ECM Harness into pin **22** (cruise circuit) of connector **G58**. **Figure 18**

2. 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.

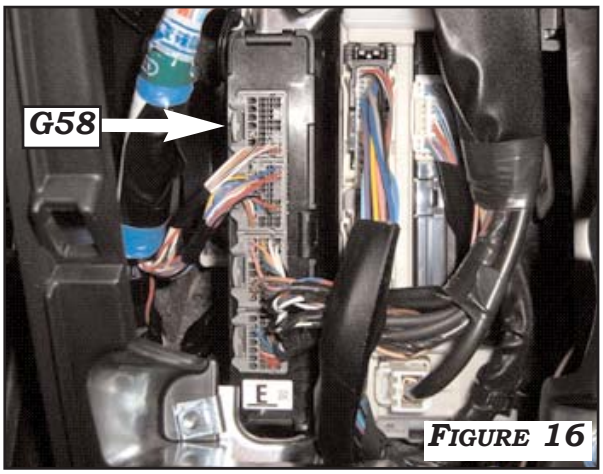


Figure 16

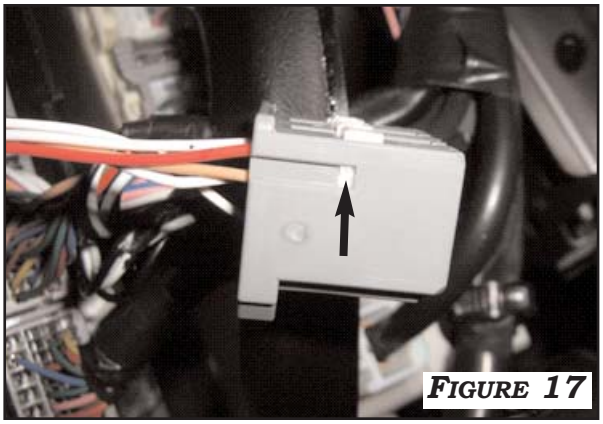


Figure 17

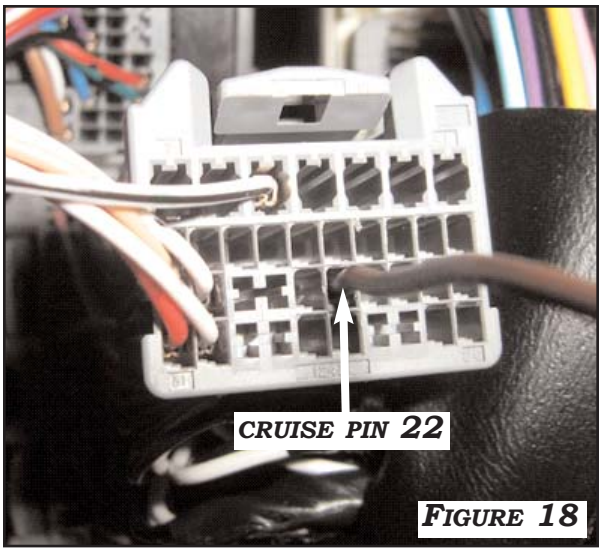


Figure 18

INSTALLATION

TESTING

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

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

Figure 19

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.

INSTALLATION

TROUBLESHOOTING

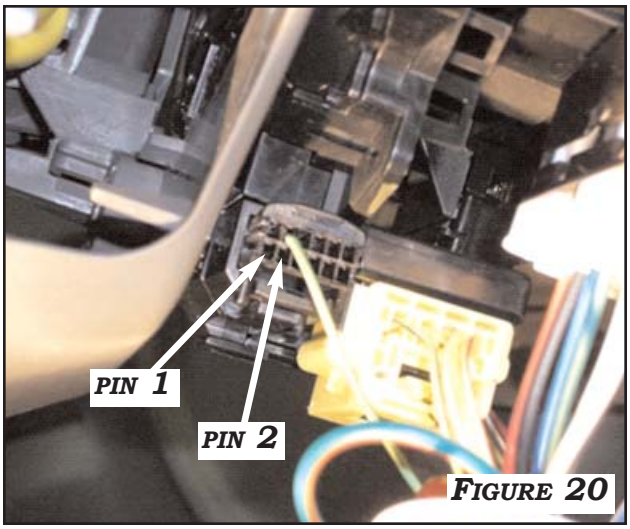


FIGURE 20

1. Locate connector G5 of clockspring below right hand side steering column. refer to **Figure 12,** page 5.

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

3. Place common lead on **pin 2** (Ground). **See Figure 20.** Confirm readings are as follows:
   - **a.** Key on: 12volts.
   - **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 12volts 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.