

TOYOTA

PRIUS C

2012 -

EC REARVIEW MIRROR W/ HOME-

Part Number: 00016-47600

Accessory Code: CM6

**Conflicts**

Vehicles with OE auto dimming mirror
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**Recommended Sequence of Application**

Item #	Accessory
1	EC Rearview Mirror

**Kit Contents**

Item #	Quantity	Description
1	1	EC Mirror Assembly w/ HomeLink®
2	1	Hardware Bag






**General Applicability**

Prius C with and without sunroof
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**Hardware Bag Contents**

Item #	Quantity	Description
1	3	T-tap Connectors, Red 3M™
2	1	Wire Cover
3	1	EC Wire Harness
4	8	Wire Ties, Small
5	3	Foam Tape
6	1	Operation Instruction Card

**Legend**

	<b>STOP:</b> Damage to the vehicle may occur. Do not proceed until process has been complied with.
	<b>OPERATOR SAFETY:</b> Use caution to avoid risk of injury.
	<b>CAUTION:</b> A process that must be carefully observed in order to reduce the risk of damage to the accessory / vehicle and to ensure a quality installation.
	<b>TOOLS &amp; EQUIPMENT:</b> Used in figures calls out the specific tools and equipment recommended for this process.
	<b>REVISION MARK:</b> This mark highlights a change in installation with respect to previous issue.

**Recommended Tools**

Personal & Vehicle Protection	Notes
Blankets, Towels	
Special Tools	Notes
None	
Installation Tools	Notes
Ratchet	
Socket	10mm
Torx Head Driver	T20
Pliers	Needle Nose
Pliers	Side Cutters
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST#00002-06001-01
Dark Towel or Cloth	For Testing
Torque Wrench	48 in-lbs
Special Chemicals	Notes
Cleaner	VDC approved

**SPECIAL NOTE: Installation Sequences**

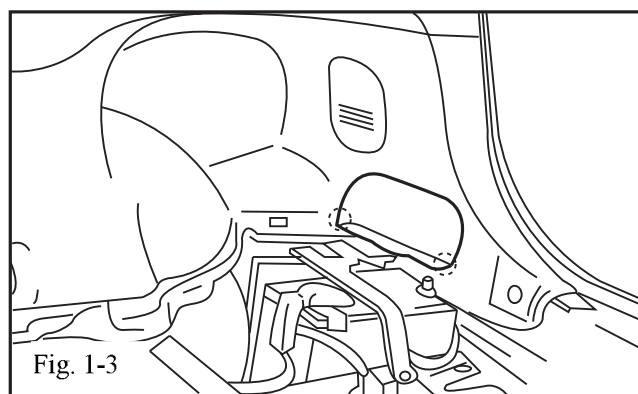
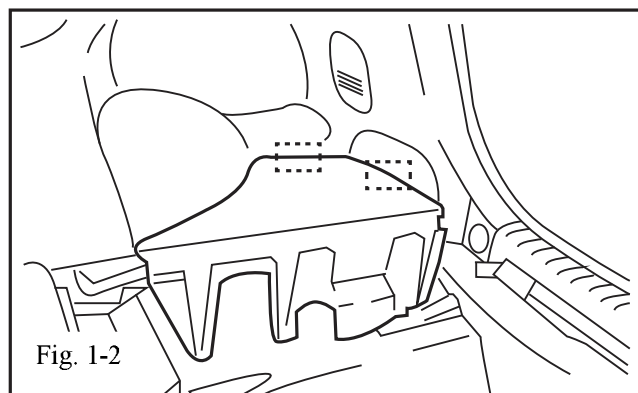
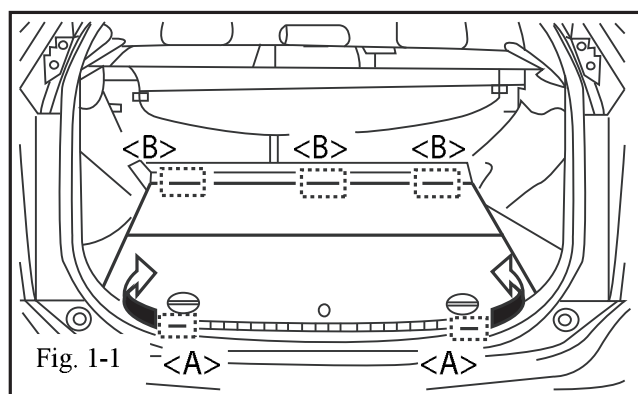
After TMS and Safety mandated preparatory steps have been taken, the installation sequence is the suggested method for completing the accessory installation. In some instances the suggested sequence is written for one associate to install and in others the sequence is given as part of a team accessory 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.

Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

These guidelines can be found in the “Accessory Installation Practices” document.

This document covers such items as:

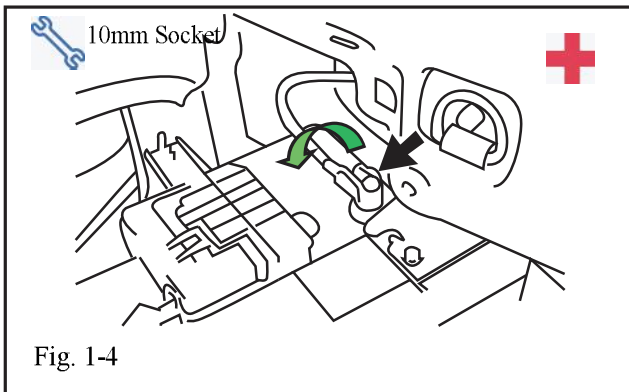
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly / Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly / Reassembly (battery disconnection, connector removal, etc.).



## 1. Remove Battery Cable



- (a) Protect fender before starting.
- (b) Disengage the two (2) guides <A> as shown in the illustration. (Fig. 1.1)
- (c) Disengage the three (3) guides <B> and remove the floor board. (Fig. 1-1)
- (d) Remove the rear deck floor box.
- (e) Disengage the two (2) guides and remove the right rear floor board. (Fig. 1-2)
- (f) Disengage the two (2) claws and remove the rear floor board plate upper. (Fig. 1-3)



**+** (g) Do not touch the positive terminal with any tool when removing cable.

(h) Remove the negative battery cable. (Fig. 1-4)

## 2. Vehicle Disassembly

(a) Remove the OE mirror and discard.

- (1) Disengage the two (2) claws and remove the mirror cover from the mirror base. (Fig. 2-1)
- (2) Pull the lever in the direction indicated by the arrow shown in the illustration and slide the inner rear view mirror assembly upward to remove it. (Fig. 2-1)

(b) Detach a-pillar garnish from body.  
(Fig 2-2)

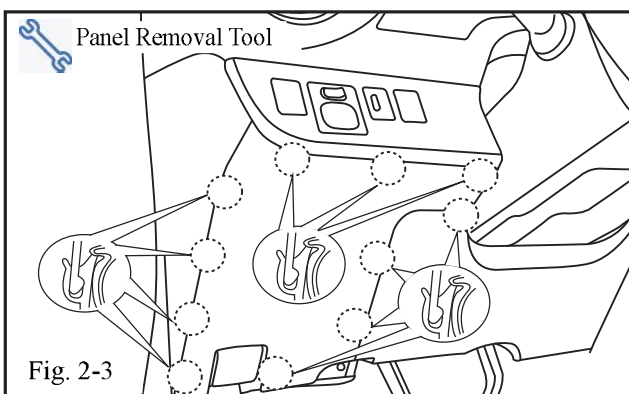
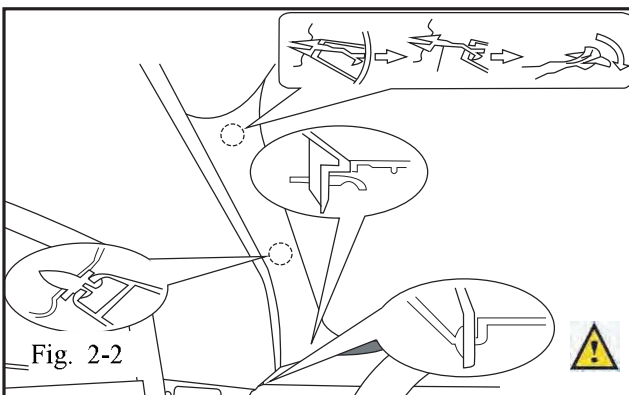
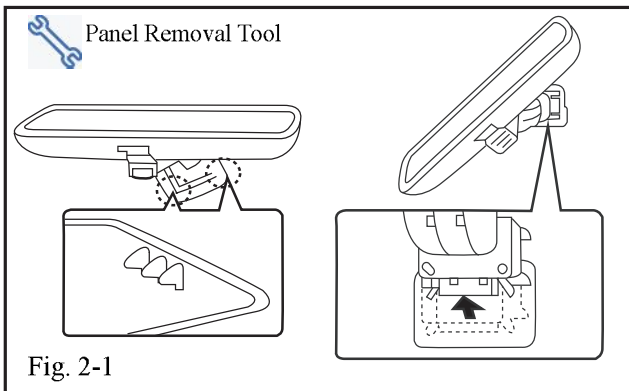
- (1) Pull the upper part of the garnish toward the inside of the cabin and disengage the two (2) clips.
- (2) Rotate the center portion of the clip 90°, then pull the pillar garnish to release the tip of the clip from the a-pillar garnish.

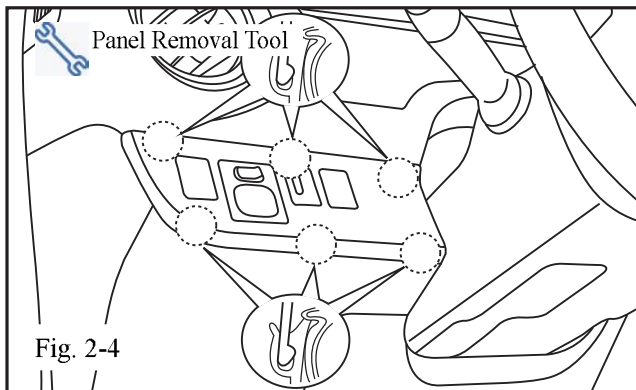
**!** (3) If using needle-nose pliers to twist the clip, put masking tape around the jaws to prevent clip damage.

- (4) DO NOT remove the clip from the A-pillar body. If the clip shows any signs of damage or is removed from the body, replace with a new clip.

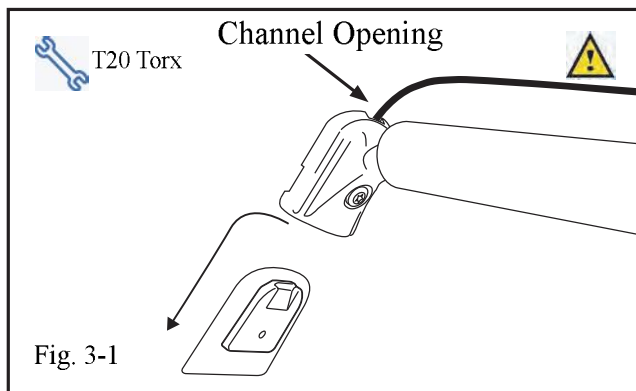
(c) Using a trim removal tool, remove the driver side lower corner dash panel. (Fig 2-3)

- (1) Pull the trim panel outward to disengage the eleven clips.




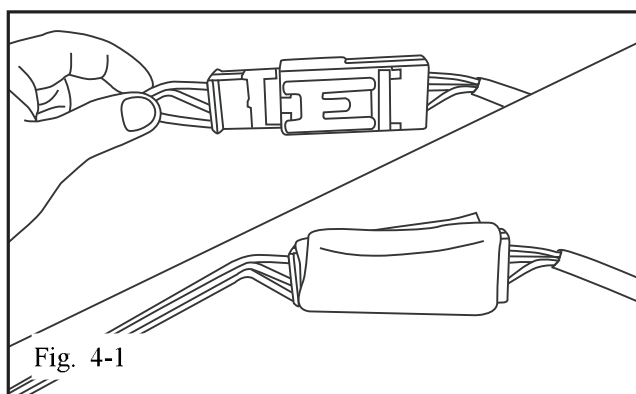
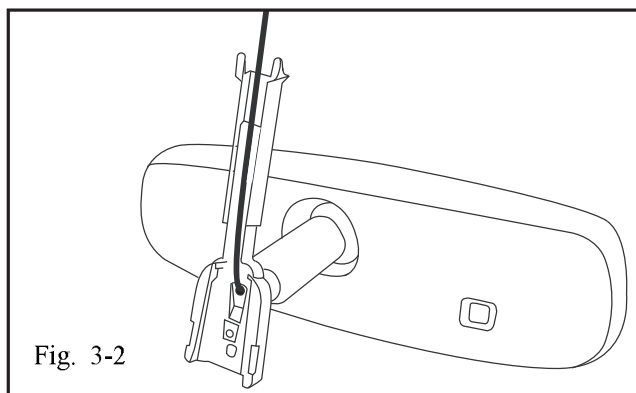


- (d) Remove the power window switch panel from the dash. (Fig 2-4)
- (1) Use a trim removal tool to separate the panel from the dash. Pull the panel upward to disengage the six clips.
- (2) Disengage the connectors from the back of the panel.



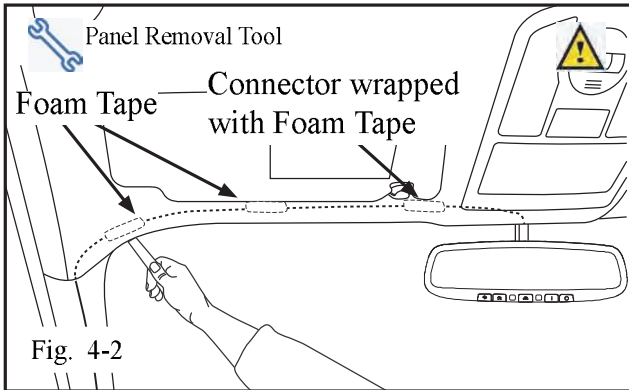
### 3. EC Mirror Installation

- (a) Place the mirror wire into the channel opening at the top of the mount.
-  (b) Slide the EC mirror onto the mounting button on windshield. (Fig. 3-1)
- (c) Tighten the screw in the mirror mounting bracket with torque wrench to 1.75 N-m (15.5 lbf-in).
- (d) Slide the wire harness cover over the wire harness and extend to completely cover the wire harness. (Fig. 3-2)
- (1) Be sure the bottom of the cover is securely mounted to the base.
- (2) Be sure the top of the cover is fully extended into the headliner.
- (3) Be sure the mirror has full range of motion.



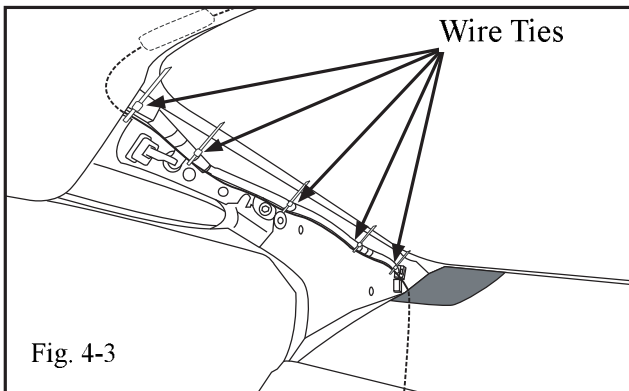
### 4. Wire harness and mirror installation

- (a) Plug mirror connector into the EC mirror harness connector. (Fig. 4-1)
- (b) Wrap one (1) piece of foam tape around EC mirror connector and EC harness connector. (Fig. 4-1)
- (1) Ensure foam tape is wrapped completely around connectors to prevent rattling in overhead.

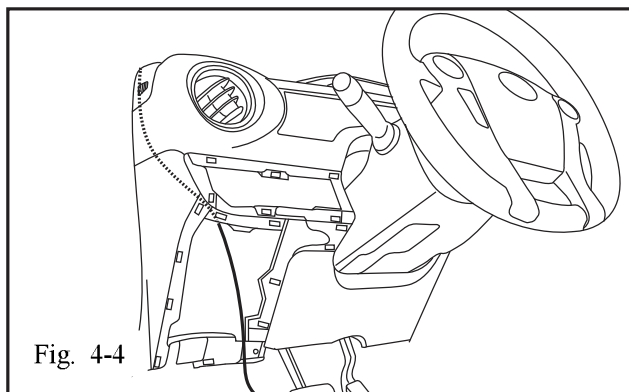


- (c) Wrap (2) two pieces of foam tape on the mirror harness, with the first one approximately 5" from the connector. Using a trim removal tool, tuck the mirror harness into the headliner. (Fig. 4-2)

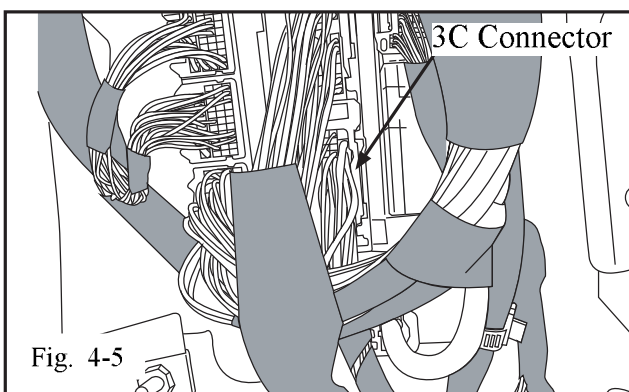
**NOTE:** Make sure hands are clean prior to working with the headliner. Headliner is easily scuffed or marred. Use great care when contacting the headliner.



- (d) Route the harness down the a-pillar, and secure to the OEM harness with (5) five wire ties. (Fig. 4-3)

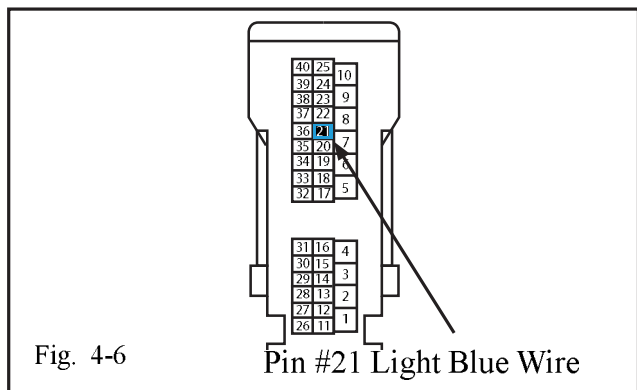


- (e) Route the harness from the bottom of the a-pillar through the opening on the back of the dash, and out through the opening on the lower dash panel. (Fig 4-4)

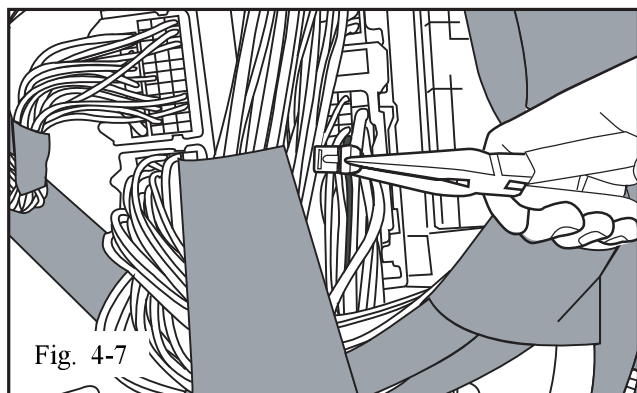


- (f) Locate the connector cluster in the driver side junction block (Fig 4-5)

- (1) 40-pin connector - 3C



- (g) Locate the LIGHT BLUE wire (pin #21) on the 3C 40-pin connector. (Fig. 4-6)



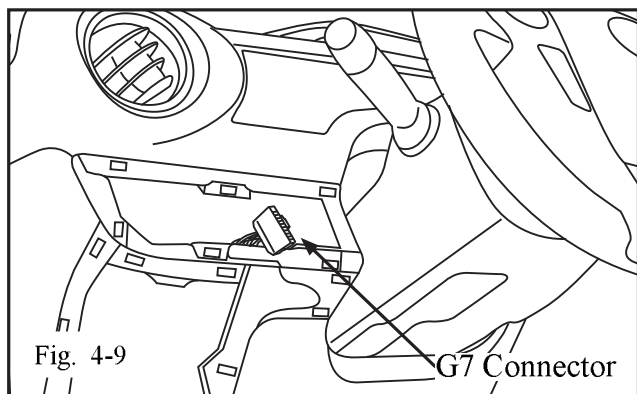
- (h) Attach a RED T-tap connector to LIGHT BLUE wire (pin #21) with needle-nose pliers. (Fig 4-7)



- (i) Plug the BLACK wire spade **with** BLUE marking on spade end of the EC mirror harness T-tap connector on LIGHT BLUE (pin #21) wire. (Fig. 4-8)

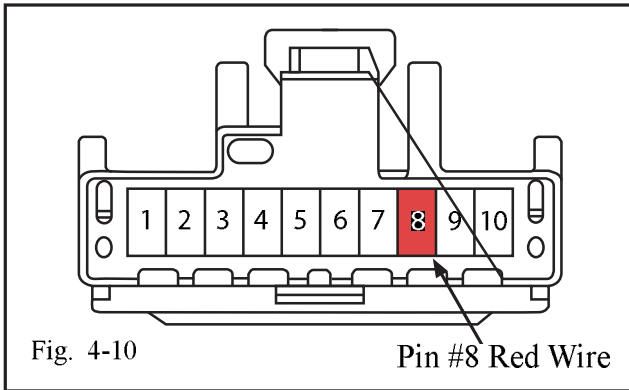


- (1) Ensure that the spade end is properly seated into the T-tap.

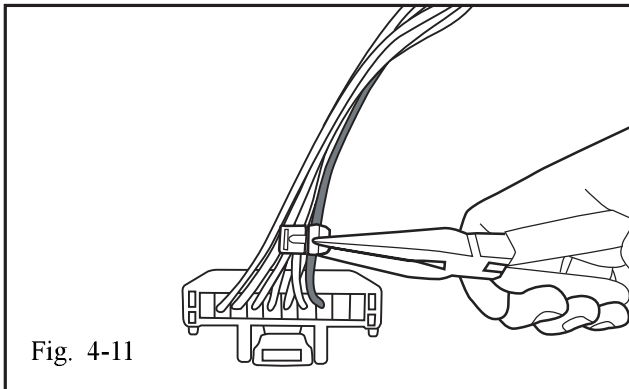


- (j) Locate the power mirror switch connector on the driver side dash. (Fig 4-9)

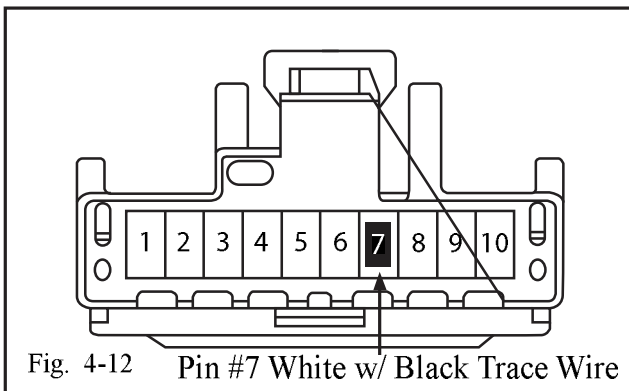
- (1) 10-pin connector - G7



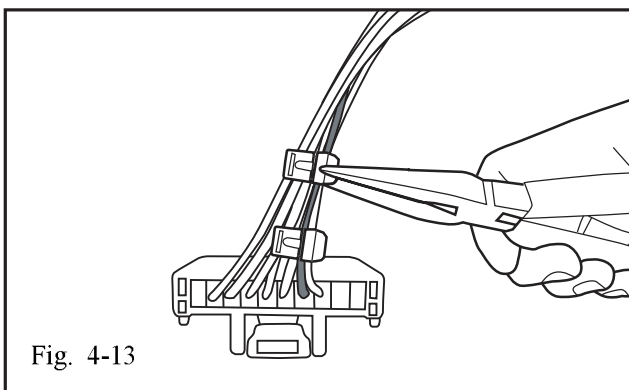
- (k) Locate the RED wire (pin #8) on the G7 10-pin connector. (Fig. 4-10)



- (l) Attach the RED T-tap connector to RED wire (pin #8) with needle-nose pliers. (Fig 4-11)

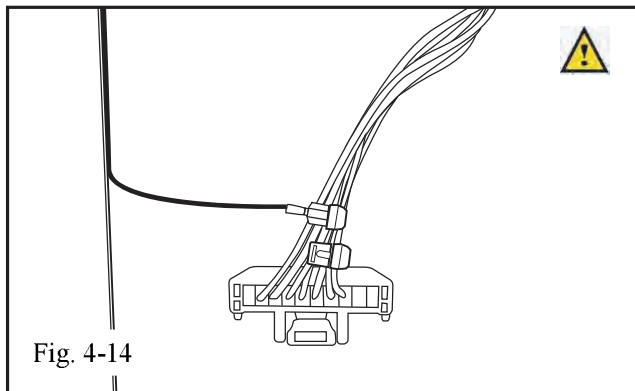


- (m) Locate the WHITE w/ BLACK TRACE wire (pin #7) on the G7 10-pin connector. (Fig. 4-12)



- (n) Attach the RED T-tap connector to WHITE w/ BLACK TRACE wire (pin #7) with needle-nose pliers. (Fig 4-13)

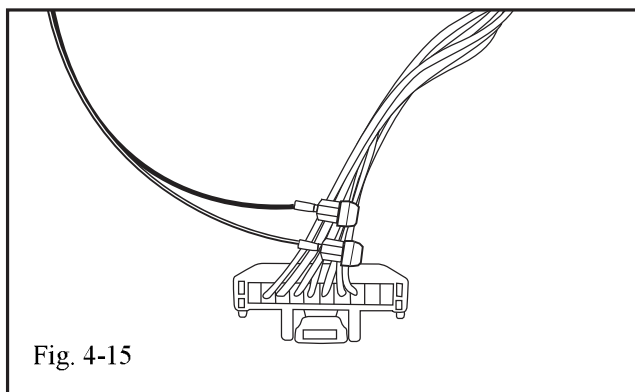




- (o) Plug the BLACK wire **without** BLUE marking on spade end of the EC mirror harness into T-tap connector on WHITE w/ BLACK TRACE (pin #7) wire. (Fig. 4-14)



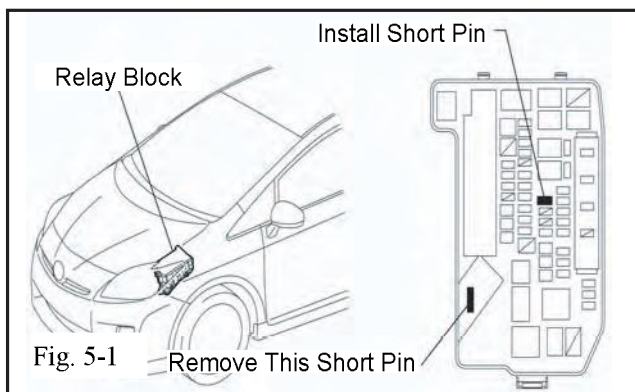
- (1) Ensure that the spade end is properly seated into the T-tap.



- (p) Plug the BLACK wire w/ WHITE TRACE into T-tap connector on RED (pin #8) wire. (Fig. 4-15)



- (1) Ensure that the spade end is properly seated into the T-tap.  
(2) Bundle any remaining harness wire, and wire tie to the body harness located directly behind the power window switch in the dash.



## 5. Testing

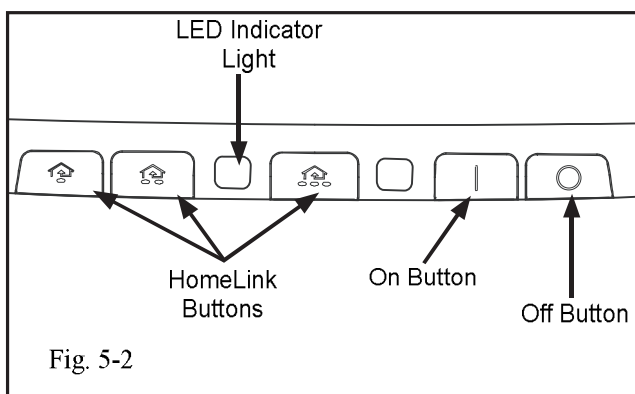
- (a) If necessary, install the short pin located in the engine compartment relay block. (Fig. 5-1)

- (b) Temporarily reconnect the negative battery terminal.

- (c) HomeLink® Feature:

- (1) Push in HomeLink buttons, one at a time. Verify that the LED indicator light is red when each switch is pushed. (Fig. 5-2)

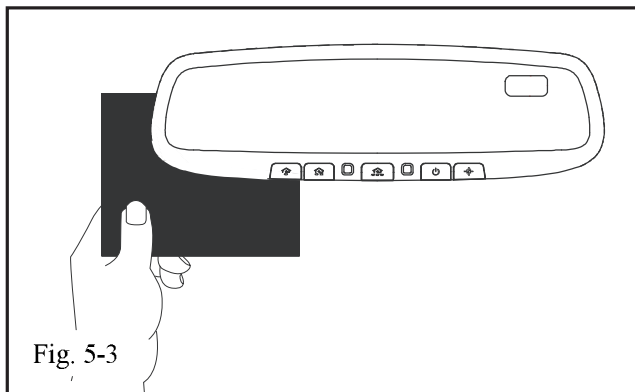
**NOTE:** The owner of the vehicle will need to program HomeLink. See the HomeLink® programming instructions or visit the HomeLink® website at [www.homelink.com](http://www.homelink.com).



- (d) Turn the ignition switch to ON.

- (e) With the vehicle in a fairly well lit area, perform the following test:





(f) Auto-Dimming Feature:

- (1) To make sure the auto-dimming feature is on, verify that the LED indicator light is on. If it is not on, push the “On” button for 3 seconds, or until the LED is illuminated.

**NOTE: Headlights must be ON in order for auto-dimming feature to operate.**

- (2) Cover the forward-looking light sensor located on the back of the mirror with a dark cloth or towel. (Fig. 5-3)
- (3) In a few seconds, the mirror will begin to darken (time may vary with ambient light levels).
- (4) Remove the cover from the forward-looking light sensor and the mirror will begin to clear.

(g) Turn ignition OFF.

(h) Disconnect the negative battery terminal.

## 6. Final Assembly

- (a) Reinstall a-pillar trim, power window switch and lower dash panel.

- (1) Make sure the EC mirror harness goes through the slot in the roof top molding (if applicable).

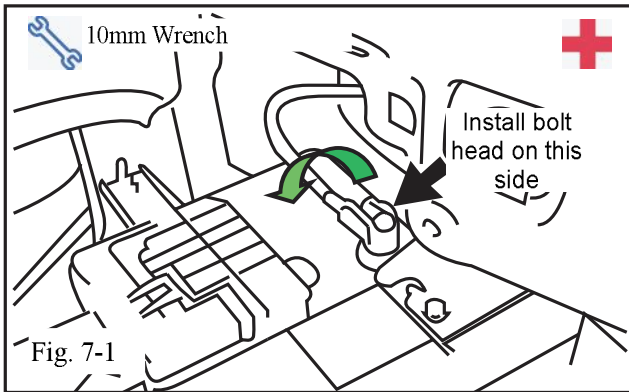


- (b) Remove fingerprints, smudges, dirt, etc. from mirror and windshield with Household Windex.


- (1) When cleaning with Household Windex, follow the manufacturer’s directions. Do not allow cleaner to air dry.

**NOTE:** Do not spray cleaner directly on the vmirror.

- (c) Verify each reinstalled component for proper fit and function.



## 7. Reconnect Negative Battery Cable

- (a) Remove and reverse the direction of the bolt and nut from the negative battery terminal so that the nut can be accessed with a torque wrench. (Fig. 7-1)
- (b) Tighten the negative battery cable.
  - (1) Position the negative battery cable at the original factory position.
  - (2) Tighten the nut with 5.4 N-m (48 lbf-in) of torque.
-  (3) Do not touch the positive battery terminal with any tool when replacing the cable.
- (c) Reinstall rear floor board plate upper.
- (d) Reinstall the right rear floor board.
- (e) Reinstall the rear deck floor box.
- (f) Reinstall the rear floor board.
- (g) Perform vehicle function checks.

# TOYOTA PRIUS C EC REARVIEW MIRROR W/ HOMELINK

Checklist - These points **MUST** be checked to ensure a quality installation.

Check:

Look For:

## Accessory Function Checks

**Vehicle should be in a fairly well lit area.**

### **HomeLink® feature:**

☐ Push in HomeLink® buttons with key in AND out of the key slot.

☐ Turn ignition to ON.  
**Note: Headlights must be ON during testing.**

### **Auto-dimming feature:**

☐ Cover the forward-looking light sensor (located near the wire harness connection on the back of the mirror).

### **Mirror clears:**

☐ Remove the cover from photocell.

☐ Operation instruction card.

Verify LED indicators turn red.

Verify green LED is on. If it is not ON press On button - confirm LED is ON

Verify mirror darkens.

Mirror returns to clear state.

Placed in the vehicle glove box.

## Vehicle Function Checks

☐ Check reinstalled panels

☐ Check negative battery cable

Verify accurate fitment.

Verify installation and torque spec.