

Toyota

Prius C

2017

Frameless® EC Mirror w/ Compass & HomeLink®

Part Number: 00016-05464

Accessory Code: ME4000

Note: This accessory requires replacement A-Pillar clip 62217-52120 to complete the installation for this vehicle.



Conflicts

Note: **Factory HomeLink**

Kit Contents

Item #	Quantity Reqd.	Description
1	1	Frameless® Mirror w/Compass & HomeLink®
2	1	Wire Harness Cover
5	1	Main Power Wire Harness

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	3	Red T-Taps
2	10	Wire Ties
3	6	Foam Tapes
4	1	Quick Reference Guides

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	1	A-Pillar Clip (62217-52120)

Recommended Tools

Safety Tools	
Safety Glasses	
Special Tools	
Installation Tools	
Needle Nose Pliers	10mm Socket
Screw Gun	Torque Wrench-48inch lbs (Car Battery)
T20 Torx Bit/Driver	Ratchet/Driver
#2 Phillips Bit	Torque Wrench-15.5 inch lbs
Nylon Tool	
Dark Towel/ Cloth	
Special Chemicals	

Service Part Numbers

Part Description	Part Number
Frameless® EC Mirror w/Compass and HomeLink®	00016-05464-01
Main Power Wire Harness	00016-05464-02
A-Pillar Clip	62217-52120

General Applicability







All MY17 Models

Recommended Sequence of Application

Item #	Accessory
1	
2	
3	

*Mandatory

Legend

	STOP: Damage to the vehicle may occur. Do not proceed until process has been complied with.
	OPERATOR SAFETY: Use caution to avoid risk of injury.
	CAUTION: 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.
	TOOLS & EQUIPMENT: Used in Figures calls out the specific tools and equipment recommended for this process.
	REVISION MARK: This mark highlights a change in installation with respect to previous issue.
	SAFETY TORQUE: This mark indicates that torque is related to safety.

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.

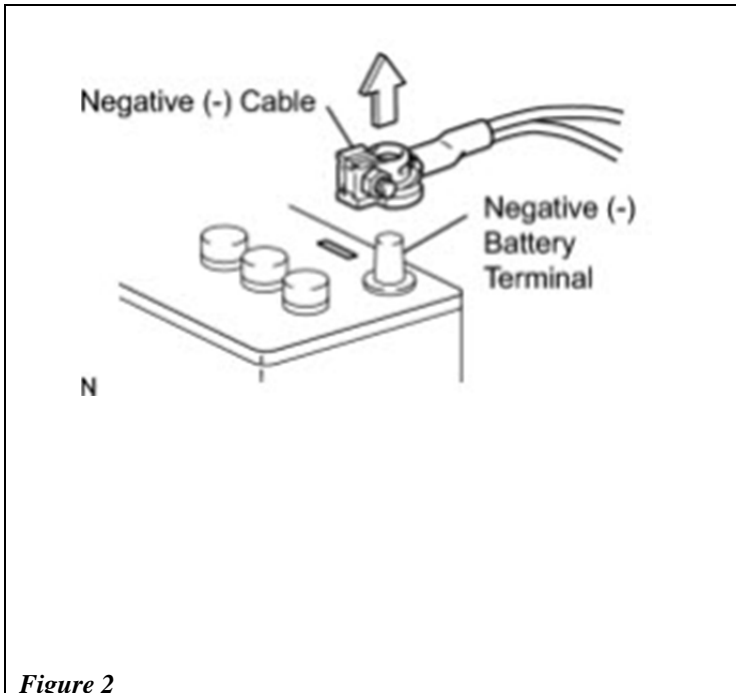
This document covers such items as:

- 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 the (2) Clips. Remove the passenger's side rear seat under cover. See figure 1.

Figure 1



2. Remove the NEGATIVE (-) battery terminal before starting any disassembly. See figure 2.

Caution: DO NOT touch the positive terminal.

Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

Figure 2

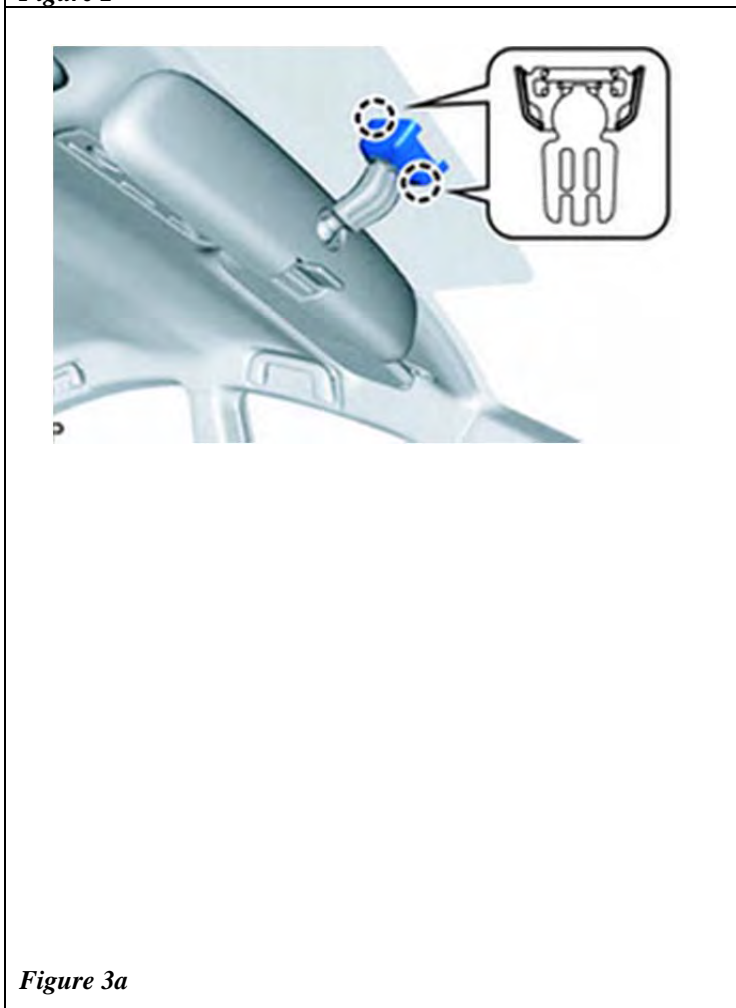


Figure 3a

3. Disengage the 2 claws and separate the inner mirror base cover. See figure 3a. Pull the lock lever in the direction indicated by the arrow in the illustration, and slide the inner rear view mirror assembly upward to remove it. See figure 3b.

Text in Illustration

*1	Lock Lever
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Figure 3b

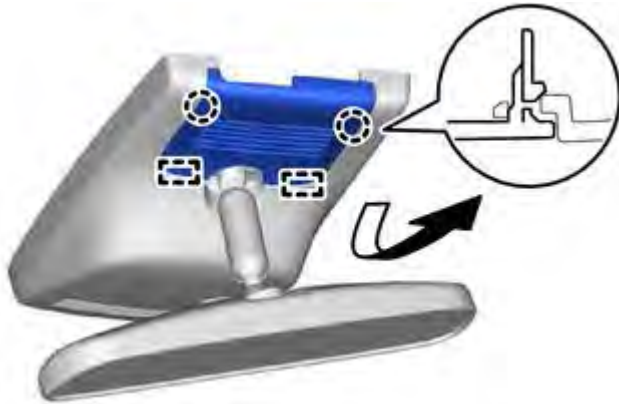


Figure 3c

Vehicles Equipped with Safety Sense (Lane Departure) System- Cover Removal.

Disengage the 2 claws and 2 guides to remove the pre-collision city cover 2nd as shown in the illustration. See figure 3c.

NOTICE: If these claws are disengaged separately, they may break. Insert a molding remover between them and pull it down to disengage the claws simultaneously.



Figure 3d

Disengage the 2 clips and 2 guides to remove the pre-collision city cover as shown in the illustration. See figure 3d.

NOTICE: To avoid damaging the guides, always slide the No. 1 forward recognition cover parallel to the windshield glass.

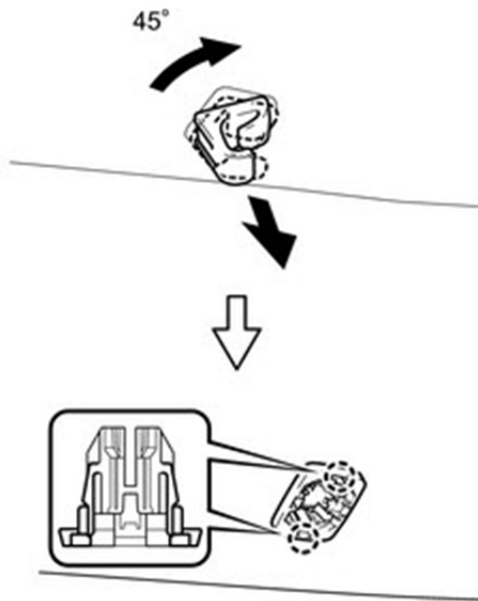


Figure 4

- 4. Turn the LH visor holder approximately 45° and pull it out as shown in the illustration. See figure 4.

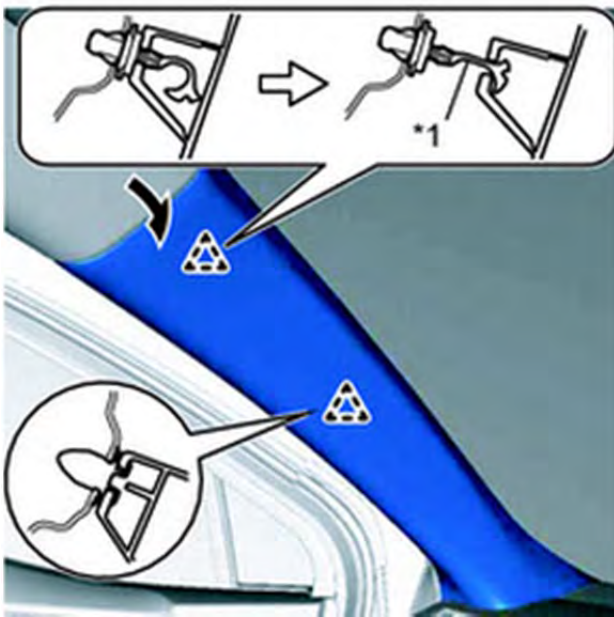


Figure 5

- 5. Pull the upper part of the garnish toward the inside of the cabin and disengage the garnish from the base of the 2 clips. See figure 5.

Text in Illustration

*1	Front Pillar Garnish Clip
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HINT: Let the front pillar garnish LH hang down from the front pillar garnish clip.

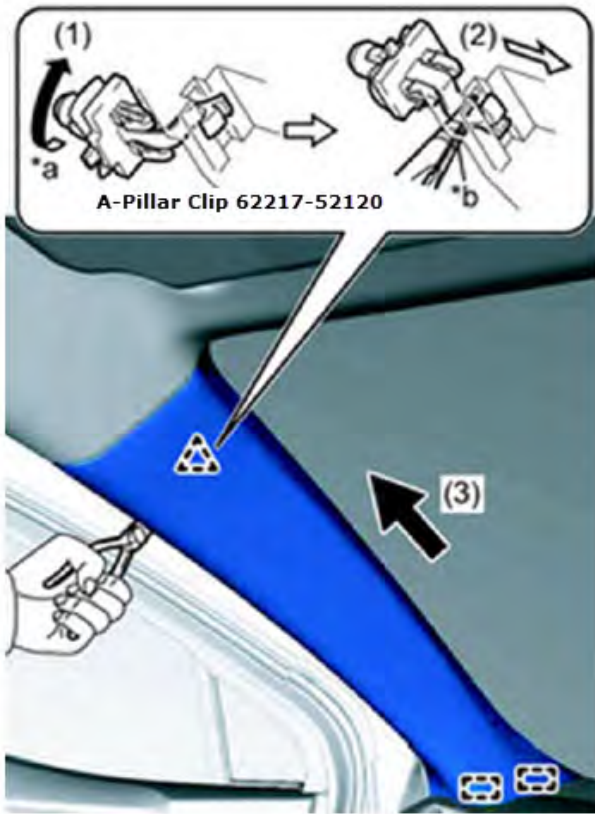


Figure 6

- Using needle-nose pliers with the tips wrapped with protective tape, rotate the front A-Pillar garnish clip 90° in the direction indicated by the arrow (1) shown in the illustration. Pull the front A-Pillar garnish LH in the direction indicated by the arrow (2) shown in the illustration to disengage it from the front A-Pillar garnish clip. Pull the front A-Pillar garnish LH in the direction indicated by the arrow (3) shown in the illustration to disengage the 2 guides to remove the front A-Pillar garnish LH. Remove the A-Pillar garnish clip from the A-Pillar. The clip CAN NOT be reused. DESTROY and DISPOSE of clip. See figure 6.



NOTE: Install a new A-Pillar garnish clip when replacing A-Pillar garnish at the end of installation. A-Pillar clip 62217-52120 is not provided in the mirror kit. This item must be ordered separately.

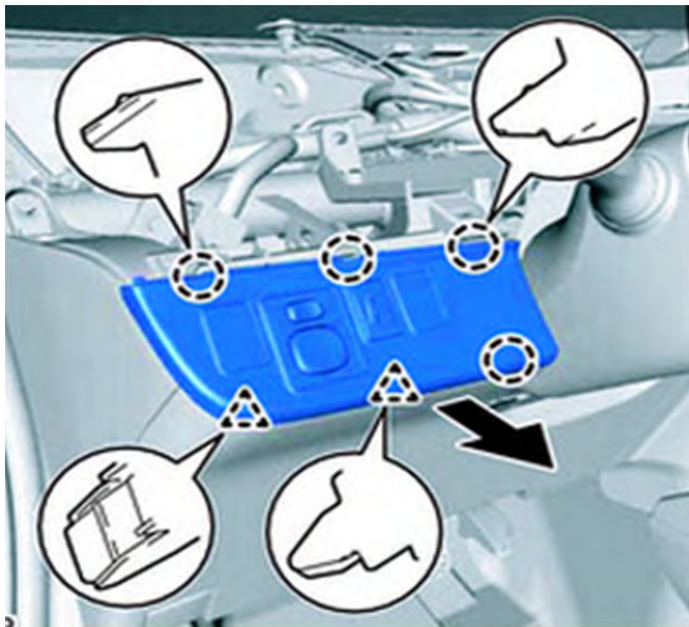
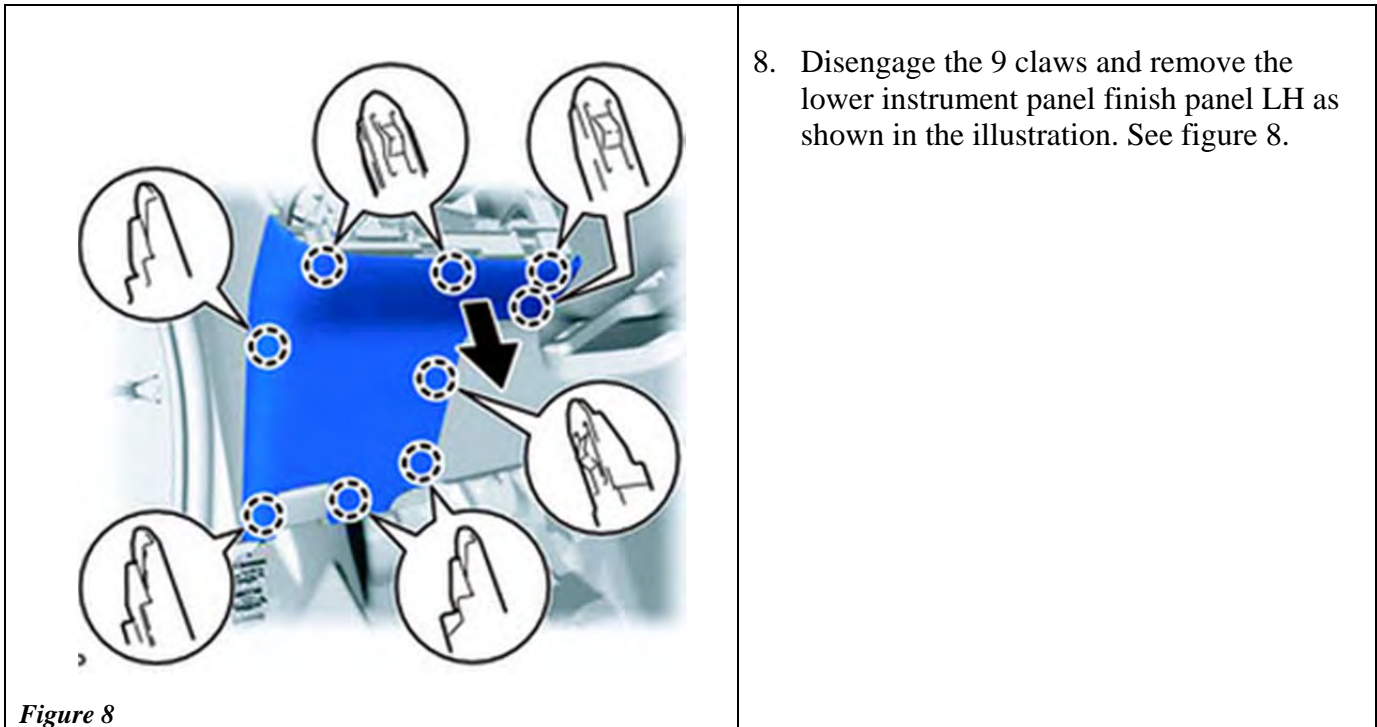


Figure 7

- Disengage the 4 claws and 2 clips as shown in the illustration. Disconnect each connector and remove the No. 1 switch base. See figure 7.





Note: Remove fingerprints, smudges, dirt, etc. from mirror and windshield with glass cleaner.

Figure 9a

9. Mount the Frameless® EC Mirror w/Compass in reverse of original factory mirror removal. Slide and attach the rearview mirror assembly and tighten mirror set screw with a T20 torx bit or driver. DO NOT over tighten screw. See figure 9a and 9b.

Torque: 15.5 in.*lbf



Do not use power tools to tighten screw. Hands tighten only.

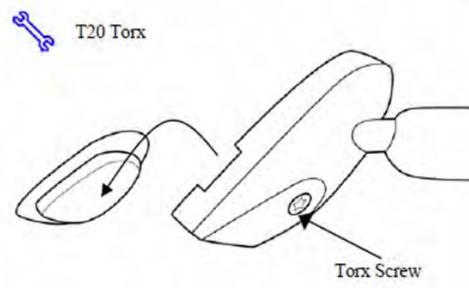


Figure 9b



Figure 10

10. Route the mirror harness to overhead console opening using the precut notches on the front of the headliner. See figure 10.



Figure 11

11. Install the wire harness cover over the wire harness. Seat the bottom of the cover securely to base of the mirror. Extend the top of the cover fully into headliner. See figure 11.

Note: Vehicles with Lane departure System (Saftey Sense) will not require the wire harness cover. Follow the instructions below to install the Pre-Collision System Cover.

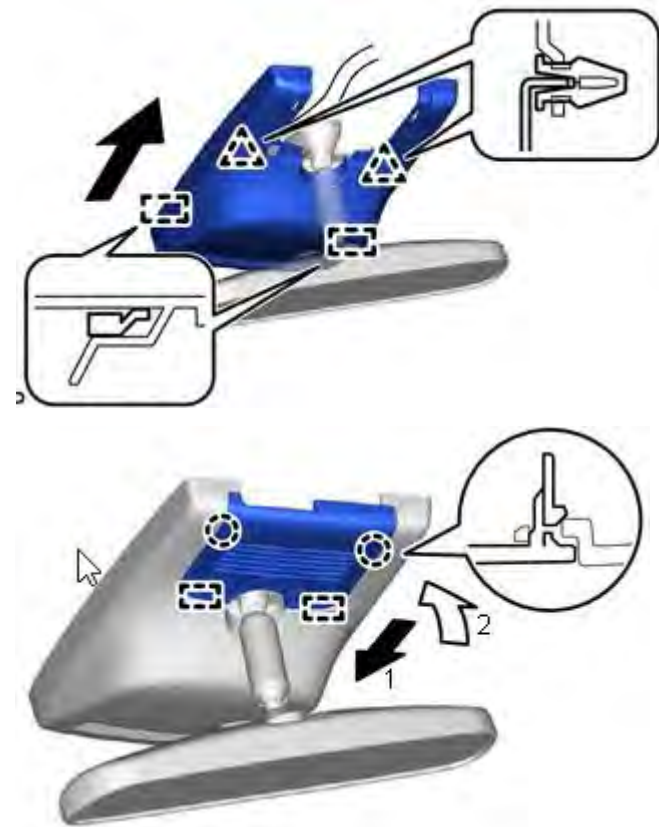


Figure 12

12. **Vehicles Equipped with Saftey Sense (Lane Departure) System-Cover Installation.**

Engage the 2 guides and 2 clips as shown in the illustration to install the pre-collision city cover. See figure 12. Engage the 2 guides and 2 claws as shown in the illustration to install the pre-collision city cover 2nd. See figure 12.

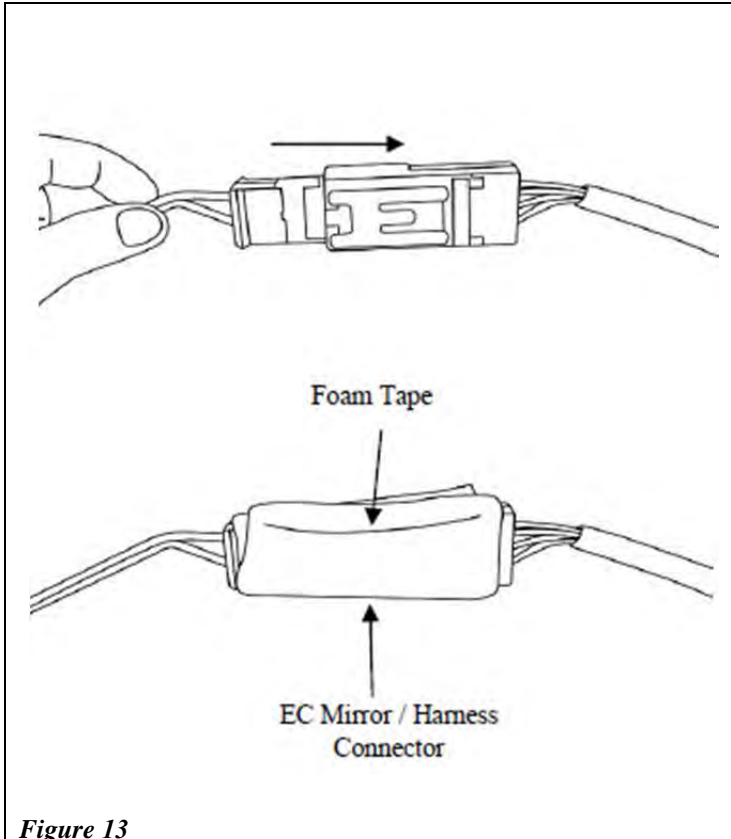


Figure 13

13. Connect the mirror harness to the mirror main power harness. Make sure both connectors are fully engaged. Wrap foam tape around connectors. See figure 13.

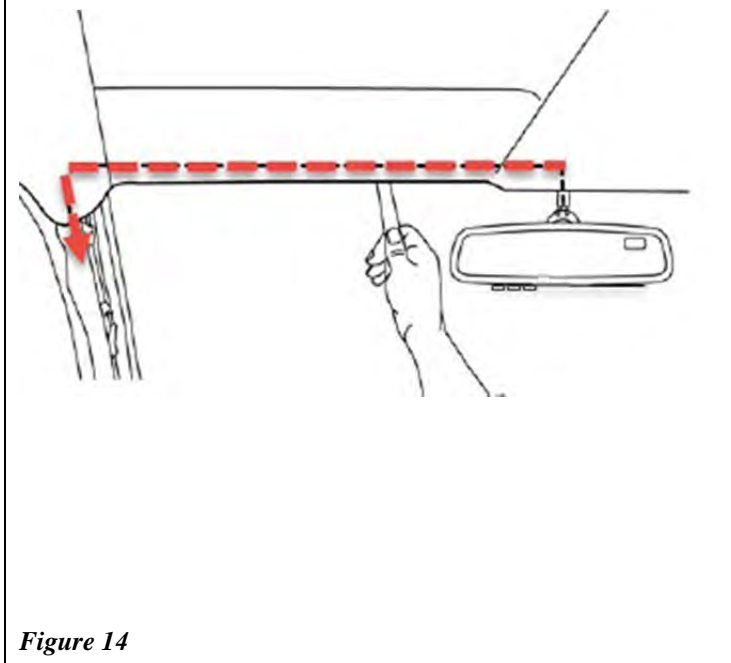


Figure 14

14. Route mirror main power harness along front edge of headliner towards the LH vehicle A-Pillar. See figure 14.

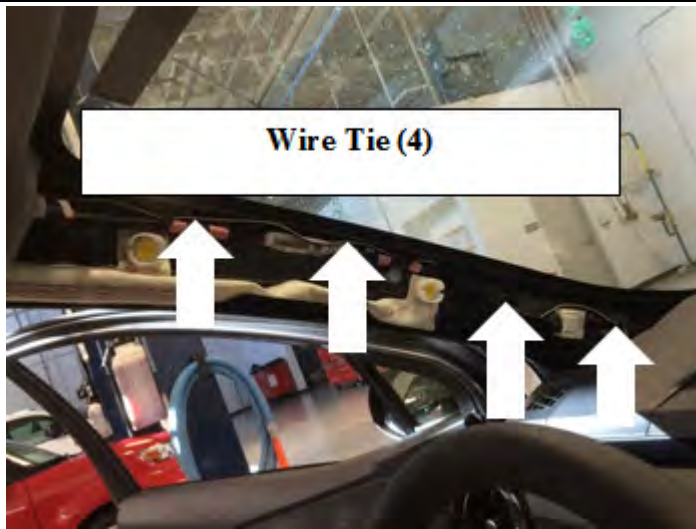


Figure 15

15. Route the mirror harness down to the bottom of the Front LH pillar. Wire tie the harness to the vehicle OE harness as shown using (3) wire ties. If equipped with a sunroof, be sure not to secure mirror harness to sunroof drain tube. See figure 15.

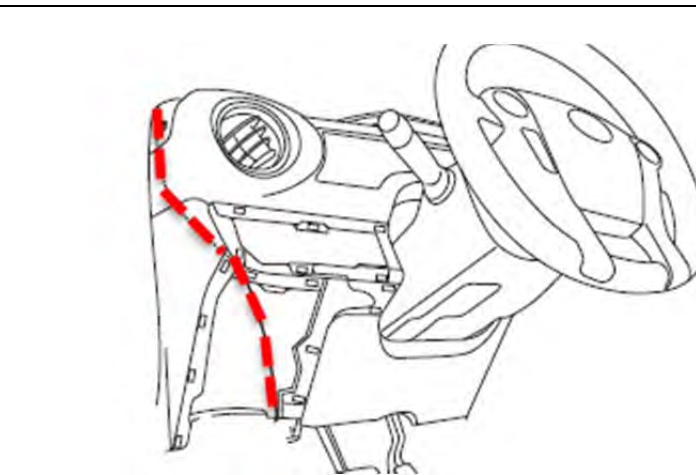
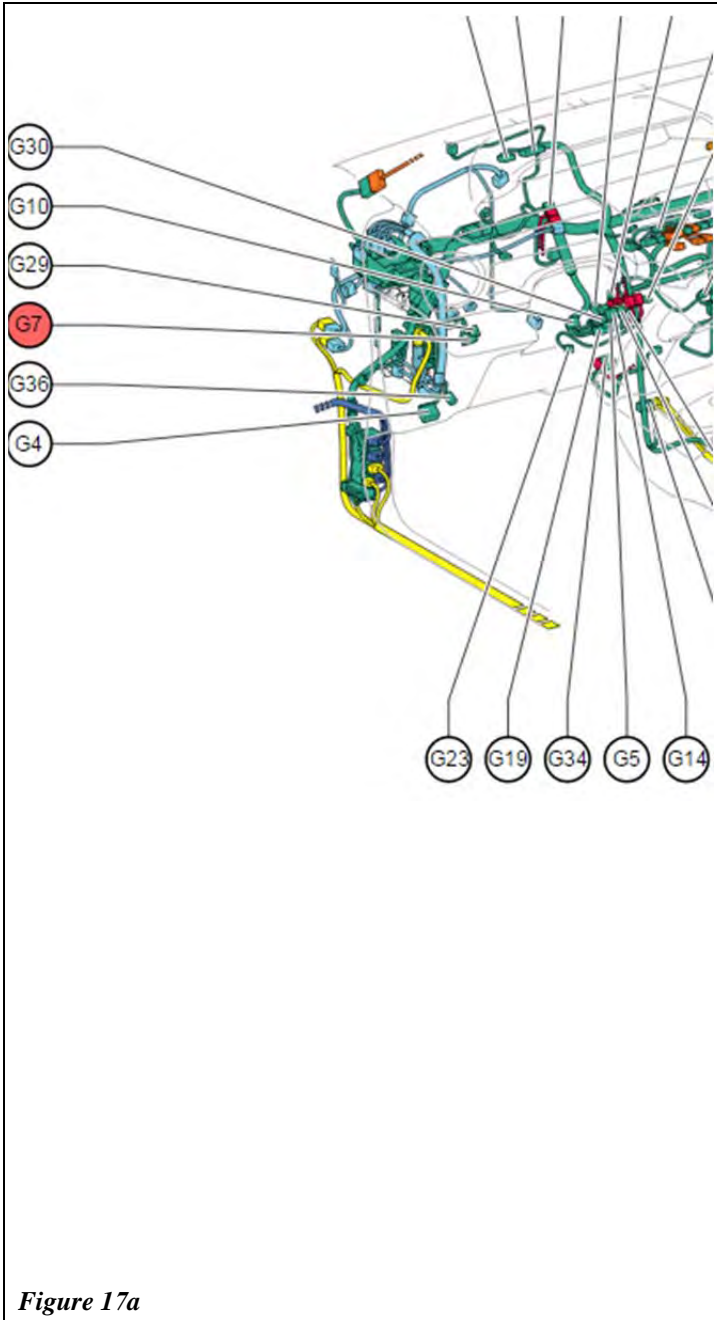


Figure 16

16. 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. See figure 16.



17. Locate white outer mirror remote switch connector G7 (10 pin) in the lower dash panel. See figure 17a and 17b.

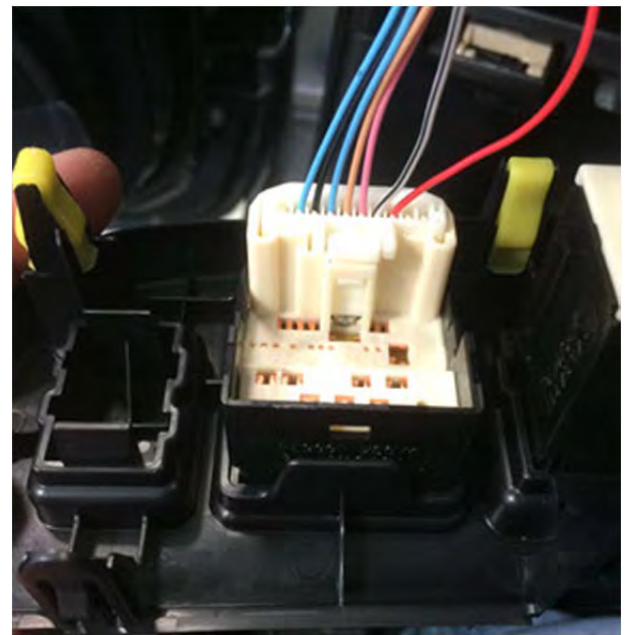
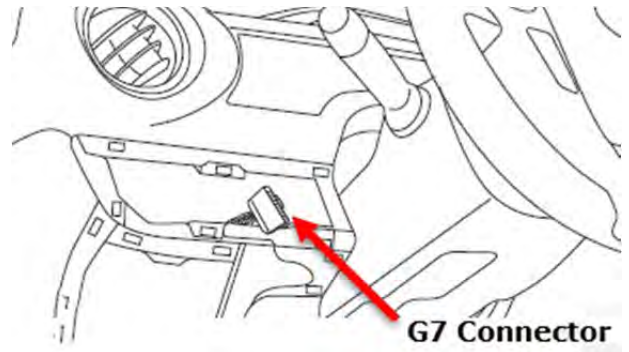


Figure 17b

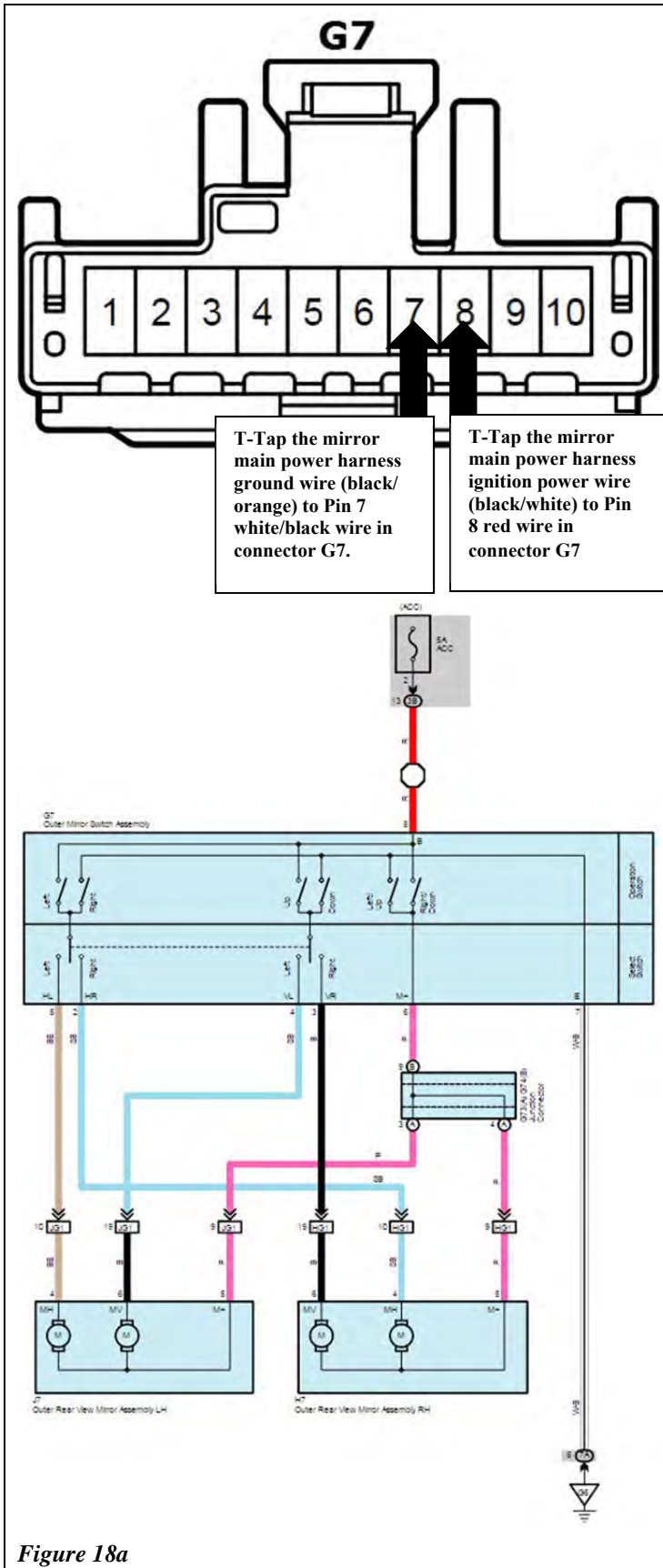


Figure 18a

18. T-Tap the mirror main power harness ignition power wire (black/white) to Pin 8 red wire in connector G7. T-Tap the mirror main power harness ground wire (black/orange) to Pin 7 white/black wire in connector G7. See figure 18a and figure 18b.

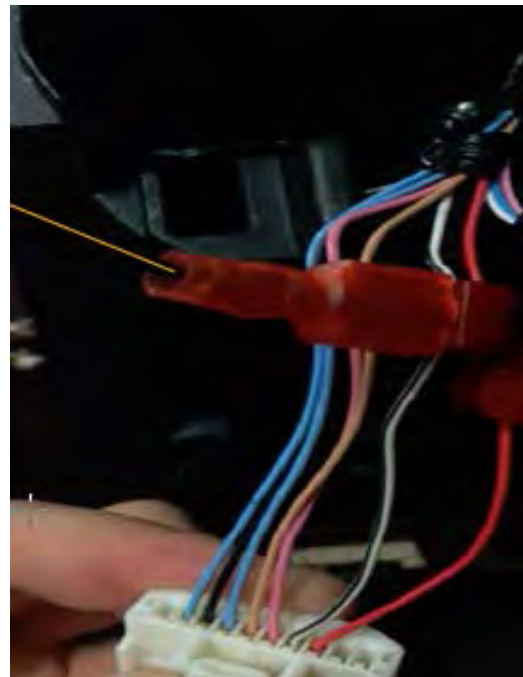
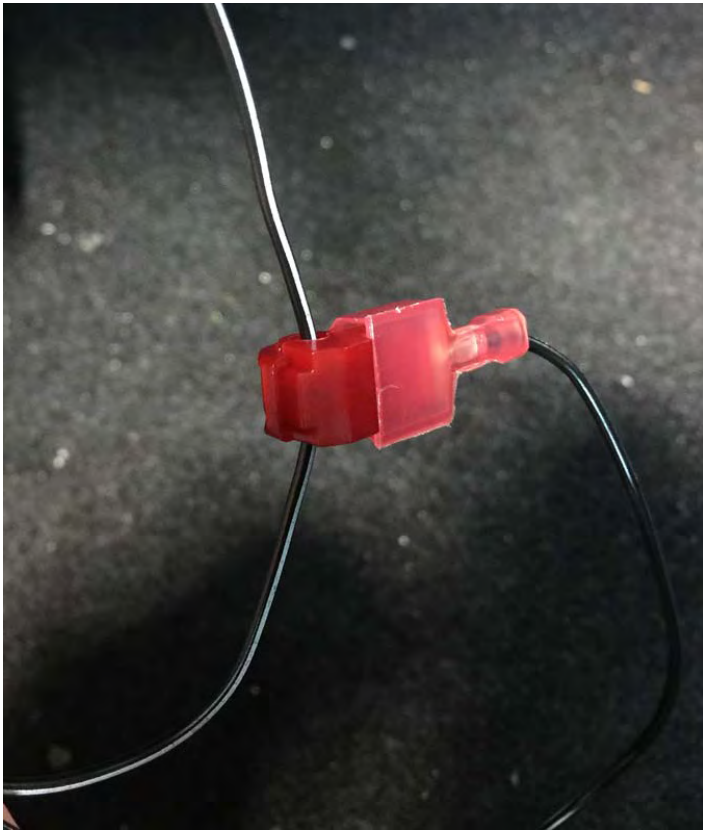


Figure 18b



19. T-Tap the mirror main power harness power wire (black) to the mirror main power harness ignition wire (black/white). See figure 19.

Figure 19

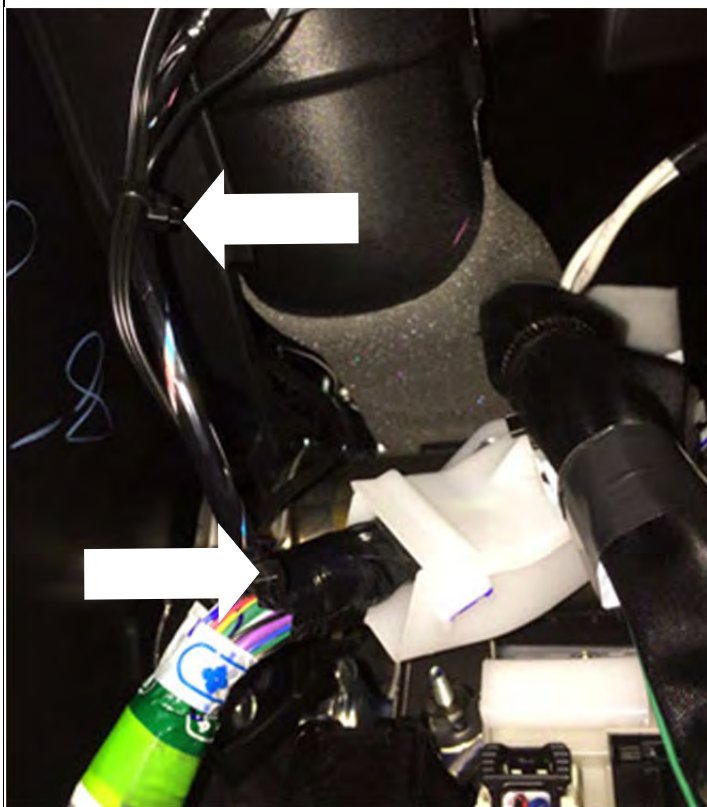


Figure 20

20. Bundle any excess wire. Secure the mirror main power harness to the remote mirror switch OE harness in the lower dash as shown with (2) wire ties. See figure 20.

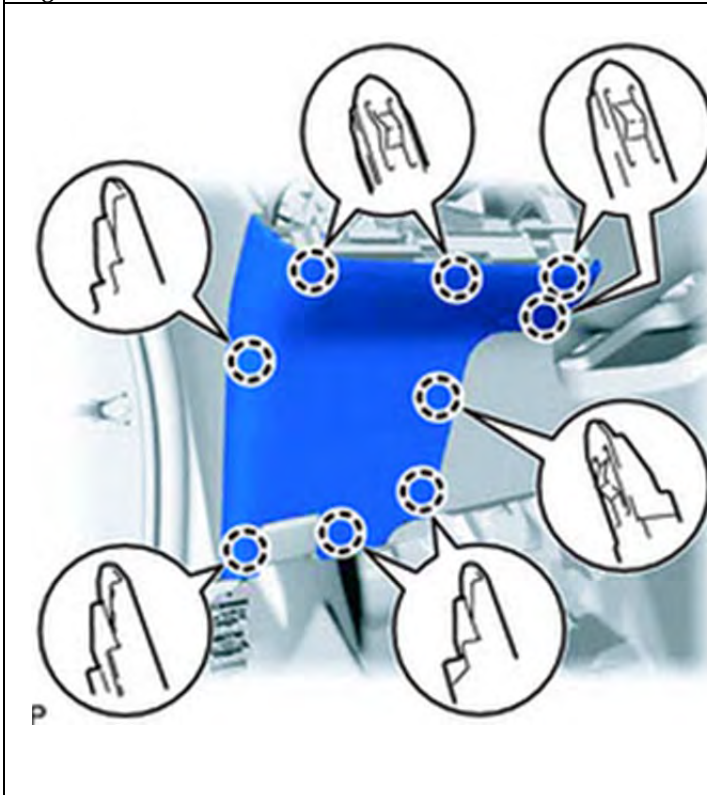


Figure 21a

21. Engage the 9 claws to install the lower instrument panel finish panel LH as shown in the illustration. Connect each connector. Engage the 4 claws and 2 clips to install the No. 1 switch base. See figure 21a and figure 21b.

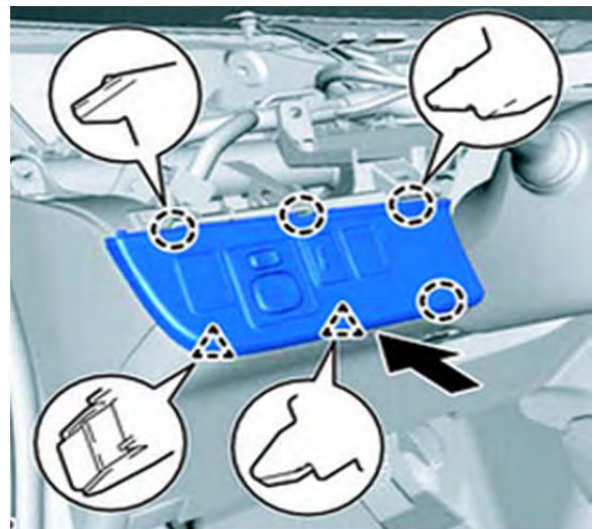
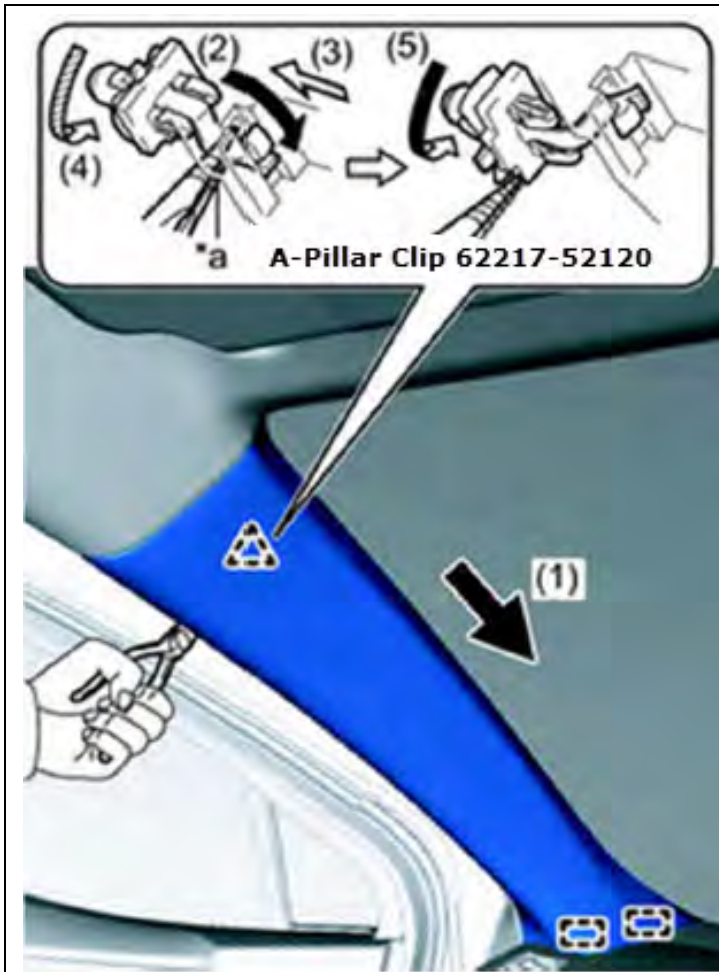


Figure 21b



HINT: Rotate the front pillar garnish clip so that the longer end of the front pillar garnish clip is positioned at the bottom.

HINT: Make sure that the front pillar garnish clip is positioned as shown in the illustration. Failing to do so may cause a gap between the front pillar garnish LH and roof headlining assembly.

Figure 22

22. Install the New A-Pillar garnish clip 62217-52120 to vehicle A-Pillar.



NOTE: Install a new A-Pillar garnish clip when installing garnish. DO NOT REUSE THE OLD CLIP. THE CLIP MUST BE REPLACED.

A-Pillar clip 62217-52120 is not provided in the mirror kit. This item must be ordered separately.

Push the front pillar garnish LH in the direction indicated by the arrow (1) shown in the illustration to engage the 2 guides. Using needle-nose pliers with the tips wrapped with protective tape, bend the end of the front pillar garnish clip in the direction indicated by the arrow (2) shown in the illustration. Push the front pillar garnish LH in the direction indicated by the arrow (3) shown in the illustration and insert it to the front pillar garnish clip. Using needle-nose pliers with the tips wrapped with protective tape, rotate the front pillar garnish clip in the direction indicated by the arrow (4) shown in the illustration. Using needle-nose pliers with the tips wrapped with protective tape, push the front pillar garnish clip in the direction indicated by the arrow (5) and rotate it to the position shown in the illustration. See figure 22.

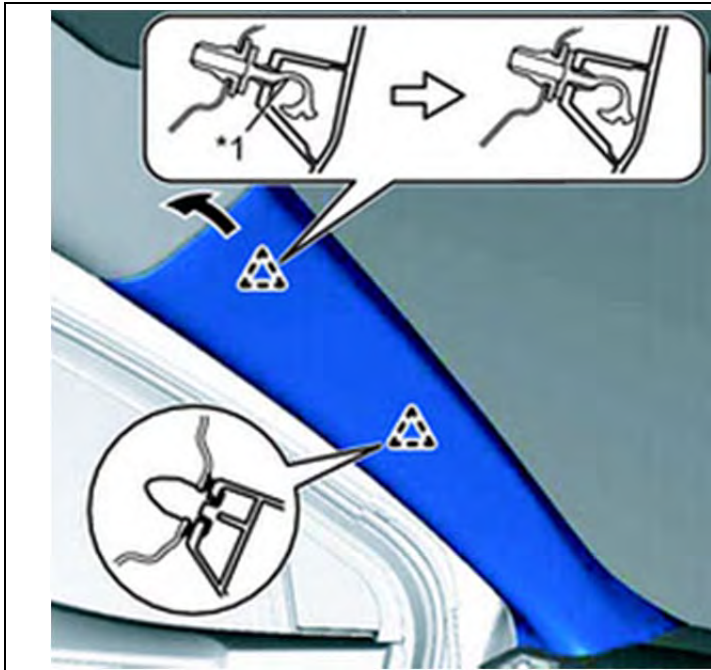


Figure 23

23. Engage the clip and front pillar garnish clip to install the front pillar garnish LH. See figure 23.

*1	Front Pillar Garnish Clip
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NOTICE: If there is a gap between the front pillar garnish LH and roof headlining assembly, the front pillar garnish clip is not installed correctly. While lightly pressing the front pillar garnish LH as shown in the illustration, push it towards the front pillar garnish clip side.

HINT: Make sure that the curtain shield airbag assembly LH is not pinched.

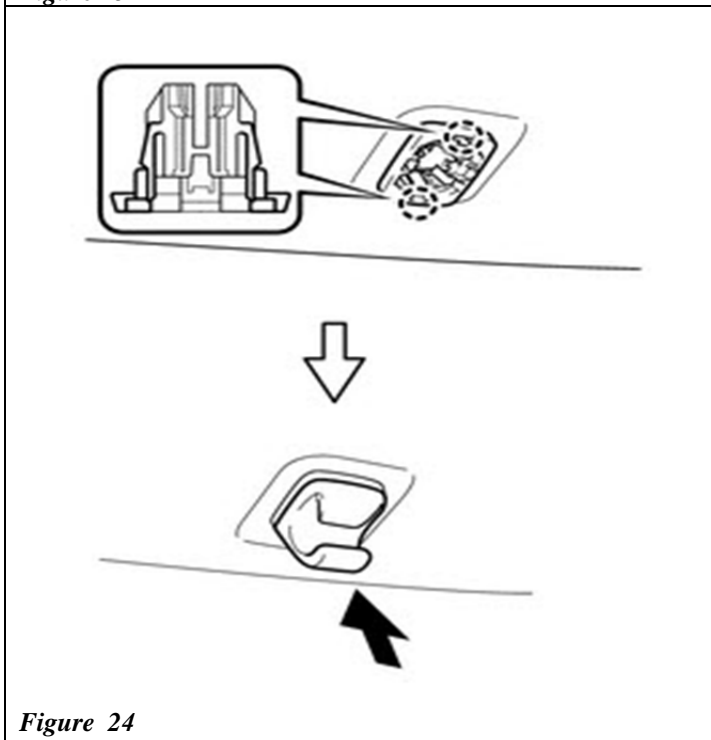


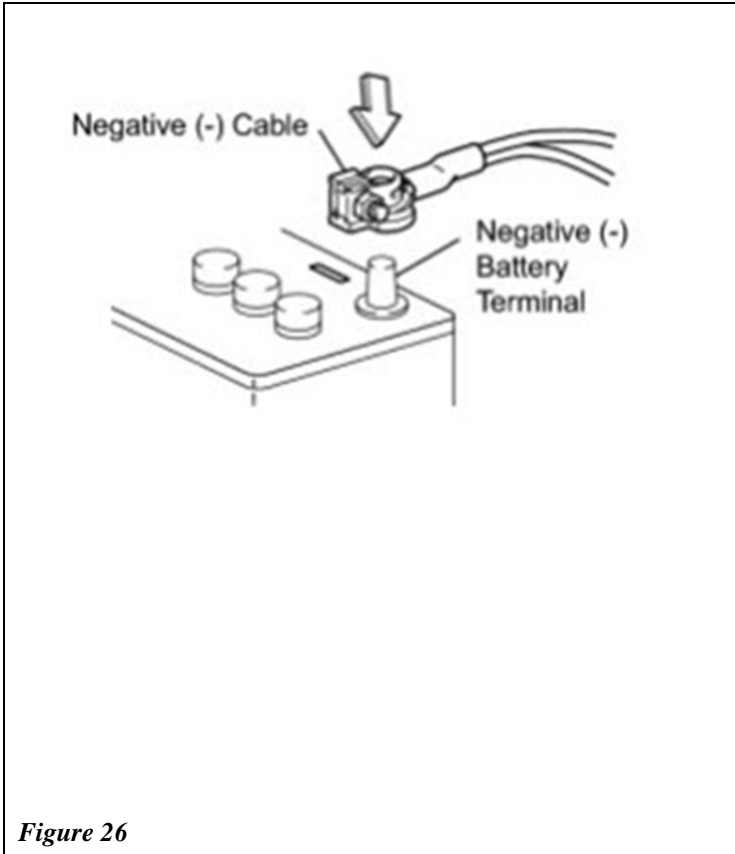
Figure 24

24. Engage the 2 claws. Push in the visor holder as shown in the illustration. See figure 24.




25. Place owner's cards in the glove box. See figure 25.

Figure 25

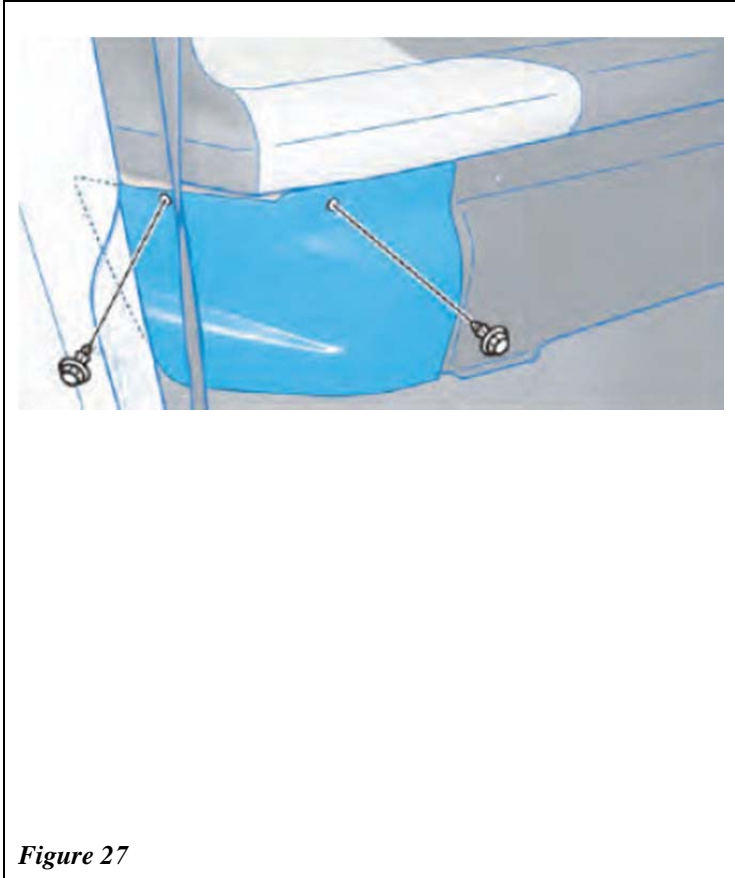


26. Tighten the negative battery cable. See figure 26.

 Torque: 48in.*lbf

 **Caution: DO NOT touch the positive terminal.**

Figure 26



27. Install the passenger's side rear seat under cover and (2) clips. See figure 27.

Figure 27



28. Compass Zone Setting.

- (a) With display turned ON, push the mirror power button for 3 seconds or until a number is displayed in the display window.
- (b) Refer to the Zone Map and toggle button until correct zone is displayed. See figure 28.
- (c) Release button.
- (d) The display will return to normal compass mode (showing either a "C" or a directional heading) within 10 seconds of no switch activity.

30. Calibrate Compass.

- (a) If a "C" is displayed in window, drive the vehicle in one circle at less than 5 mph.
- (b) Correct compass heading should now be displayed.

NOTE: Correct compass zone must be selected prior to compass calibration to ensure accurate calibration. If the vehicle is driven in a new zone, repeat zone selection procedure.

Figure 28

Checklist - these points **MUST** be checked to Ensure a quality installation.

Check: After Installation

- Vehicle should be in a fairly well lit area. Turn ignition (ACC power) to ON.

Auto-dimming feature:

- Cover the forward-looking light sensor (located on the back of the mirror).

- Remove cover from photocell.

Compass Feature:

- Look at the mirror compass display.

- Operation Instruction Cards

HomeLink Feature:

- Look at the mirror's (3) HomeLink buttons.

- Press the mirror's (3) HomeLink buttons.

Overhead Console:

- Check dome light.

- Check the Sunroof if applicable.

Remote Mirror Switch, Interior Light Dimming Switch, and Traction Control Switch

- Check the remote mirror switch, interior light switch, and traction control switch.

Look For:

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

Verify mirror darkens.

Mirror returns to clear state.

Correct compass heading should now be displayed. If a "C" is displayed in window, calibrate the compass.

Place in the vehicle glove box.

Verify all (3) buttons are illuminated when the vehicle ignition is ON.

HomeLink icon will appear in mirror. Press button again to stop the icon from flashing.

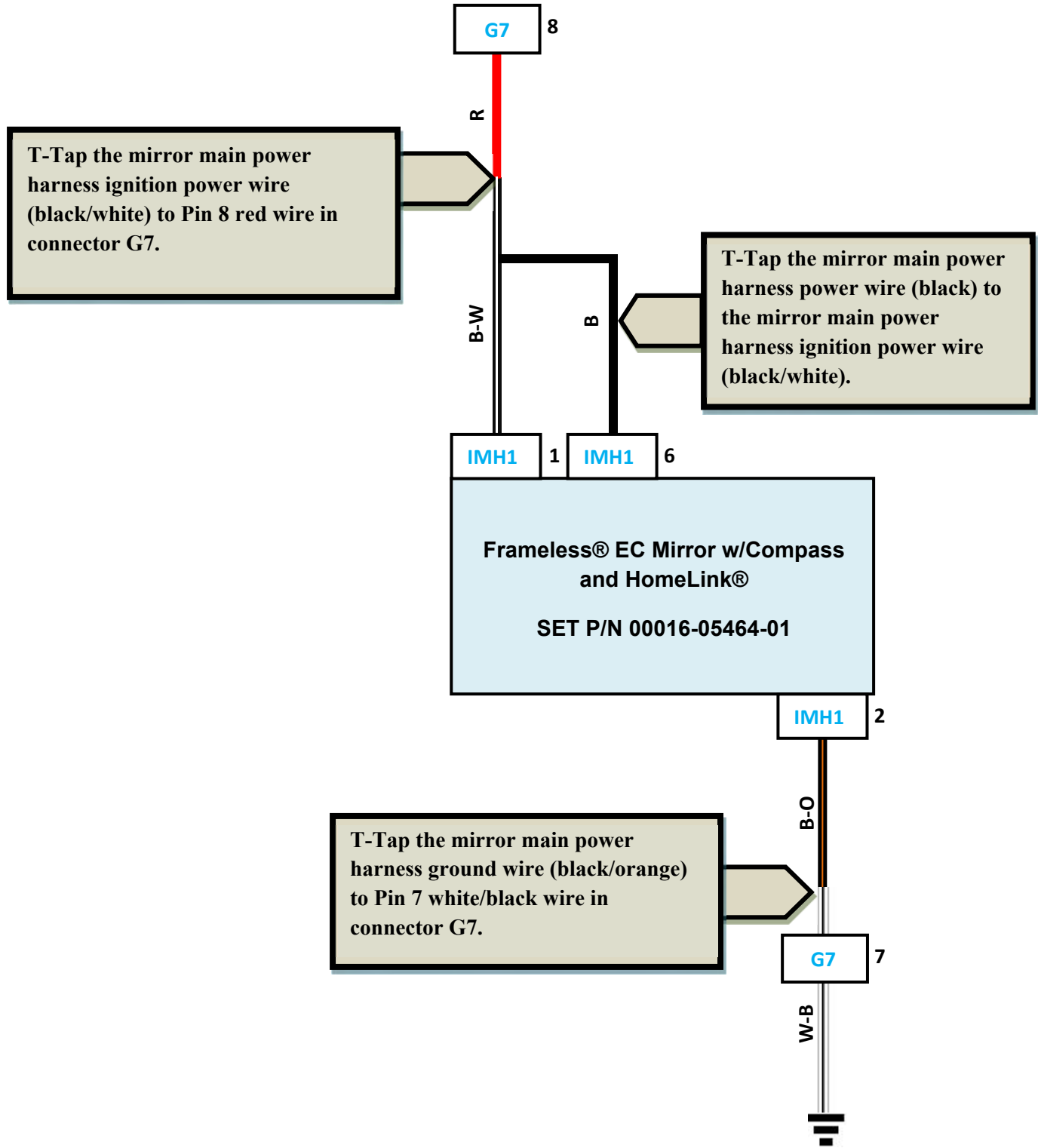
Verify the dome light functions properly.

Verify the sunroof functions properly.

Verify switch functions properly.

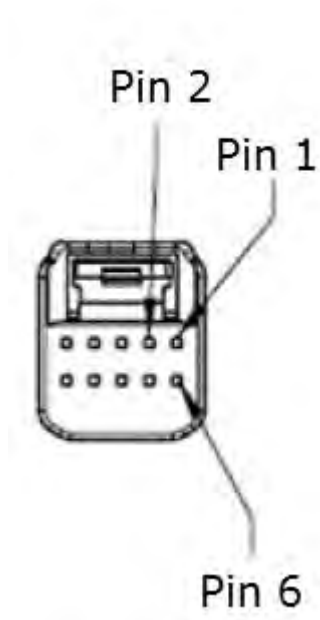
Block Diagram
Frameless® EC Mirror w/Compass & HomeLink®

Applies to SET P/N 00016-05464 **2017 Prius C**



Checking the Harness Pin outs:

Connector IMH1: Frameless® EC Mirror w/Compass Power Harness Connector



Connector view is from the front (pin side)

If feedback from the harness on any of the pins does not match the results shown in the Proper Operation field below, check the connection to the vehicle wiring and re-test.

Pin	Wire Color	Test Reference	Proper Operation
1	Black w/White Trace	Pin 1 to ground	Approx. 12 VDC with switch in ON position Approx. 0 VDC with switch in OFF position
2	Black w/Orange Trace	Pin 2 to ground	Always Continuity
6	Black	Pin 3 to ground	Approx. 12 VDC with switch in ON position Approx. 0 VDC with switch in OFF position

Pin	Wire Color	Circuit
1	Black w/White Trace	Ignition
2	Black w/Orange Trace	Ground
6	Black	Battery

Vehicle Connector G7 Power Circuit / Ground Circuit

