

**Toyota Prius 2016 Frameless EC Mirror w/Compass & Homelink**

**Part Number: 00016-05464**

**Accessory Code: ME4010**



**Note: This accessory requires a replacement A-Pillar clip 62217-78010 to complete the installation for this vehicle.**

**Conflicts**

**Note: Factory HomeLink**

Item #	Quantity Req'd.	Description
1	1	Frameless® Mirror w/Compass
2	1	Wire Harness Cover
3	1	Main Power Wire Harness

**Hardware Kit Contents**

Item #	Quantity Req'd.	Description
1	3	Red T-Taps
2	10	Wire Ties
3	6	Foam Tape
5	1	Quick Reference Guides

**Additional Items Required For Installation**

Item #	Quantity Req'd.	Description
1.	1	A-Pillar Clip (62217-78010)

**Recommended Tools**

Special Tools	Safety Tools
<b>Installation Tools</b>	
Screw Gun/	10MM Socket
Ratchet/Driver	T20 Torx Bit/Driver
Needle Nose Pliers	# 2 Philips Bit
Nylon Tool	Side Cuts
Dark Towel/Cloth	Torque Wrench (Car Battery)

**Service/Replacement Parts**

Part Description	Part Number
Frameless® Mirror w/Compass & HomeLink®	00016-05464-01
Main Power Harness	00016-05464-02
A-Pillar Clip	62217-78010

**General Applicability**

All models except factory installed Homelink

**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.).

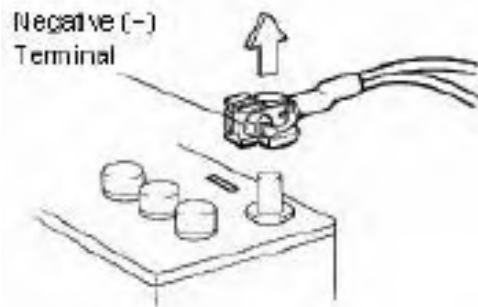


Figure 1

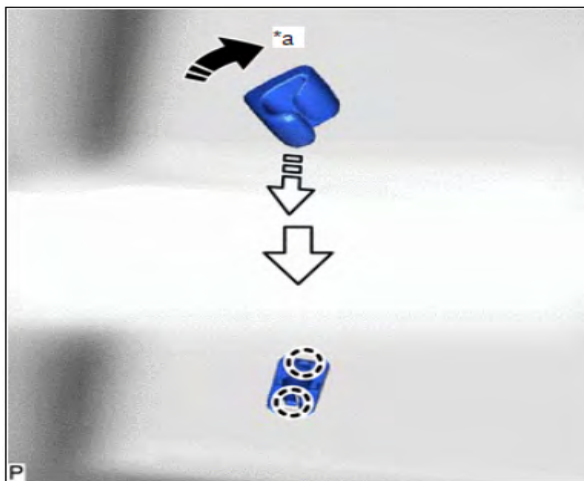
1. Disconnect the negative battery cable. Isolate the cable with protection in place. See Figure 1.



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



DO NOT touch the positive terminal.



*a	45°
	Remove in this Direction (1)
	Remove in this Direction (2)

2. Turn the visor holder 45° clockwise to disengage the 2 claws as shown in the illustration. Remove the visor holder. See Figure 2.

Figure 2



3. Using a nylon tool, disengage the 4 clips. Disconnect the connector. Remove map light assembly. See figure 3.

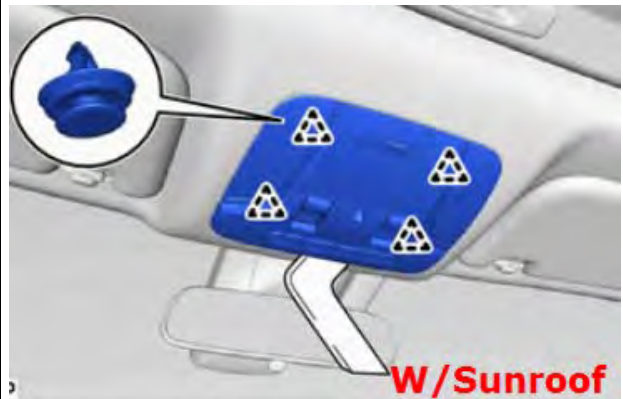
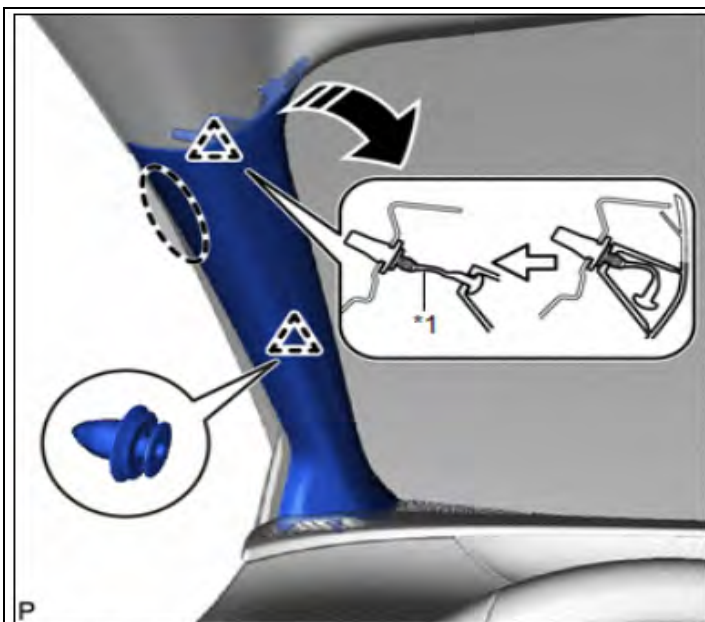


Figure 3

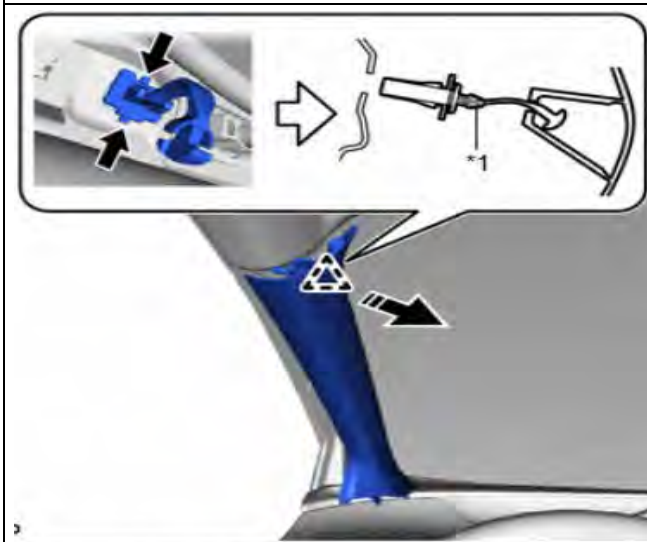


*1	Front Pillar Garnish Clip
	Place Hand Here
	Remove in this Direction

Figure 4

4. Pull the upper part of the front pillar garnish LH toward the inside of the cabin to disengage the clip and the front pillar garnish LH from the base of the front pillar garnish clip. See figure 4.

**HINT: Let the front pillar garnish LH hang from the front pillar garnish clip.**



*1	Front Pillar Garnish Clip
	Remove in this Direction

Figure 5a

5. While pushing the tabs of the front pillar garnish clip as shown in the illustration, disengage it. Disengage the 2 guides to remove the front pillar garnish LH. The clip CAN NOT be reused. DESTROY and DISPOSE of clip. See figure 5a and 5b. **A-Pillar Clip Part Number: 62217-78010**

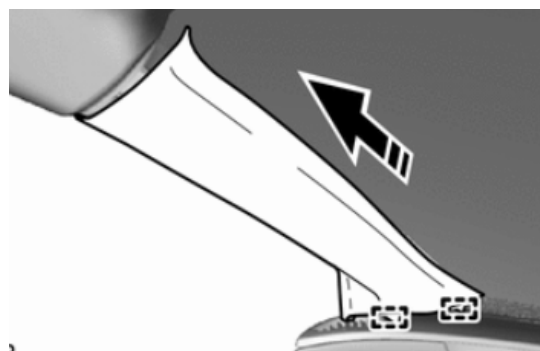
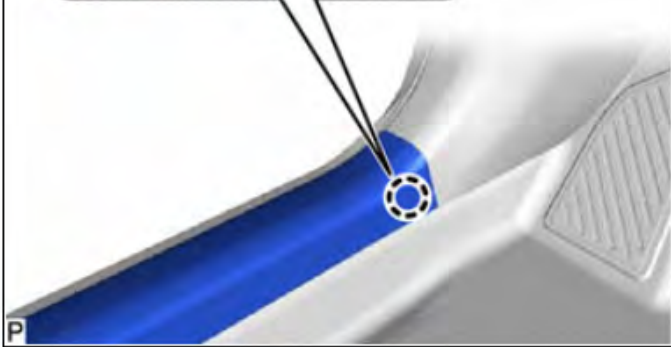
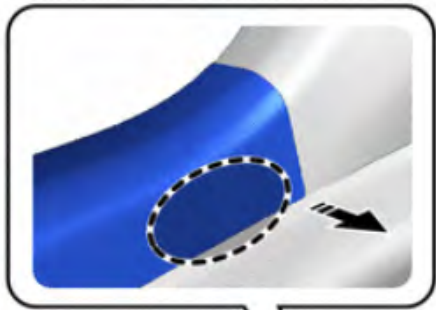



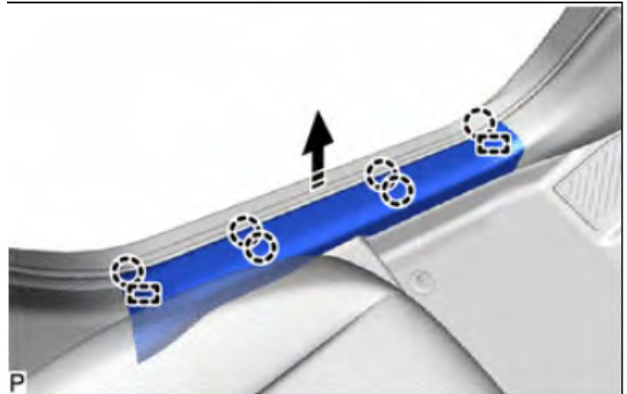
Figure 5b




	Place Hand Here
	Remove in this Direction

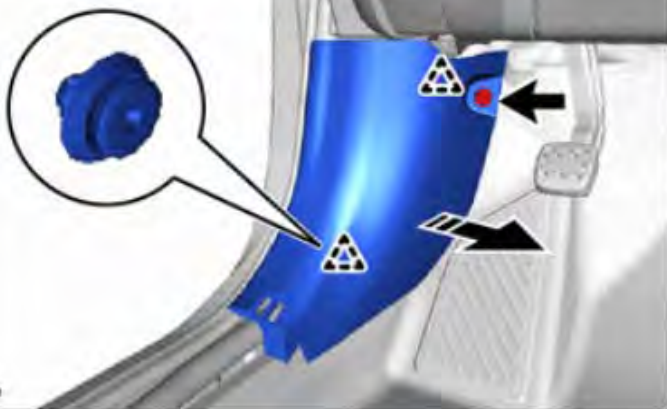
**Figure 6a**


6. Disengage the claw. Disengage the 6 claws and 2 guides to remove the front door scuff plate LH. See figure 6a and 6b.



	Remove in this Direction
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**Figure 6b**



	Remove in this Direction
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**Figure 7**

7. Remove the clip. Disengage the 2 clips to remove the cowl side trim board LH. See figure 7.

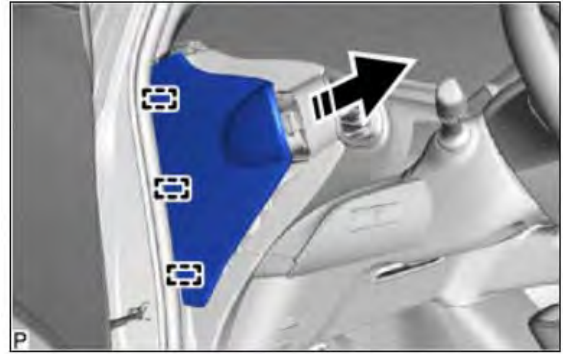




	Remove in this Direction
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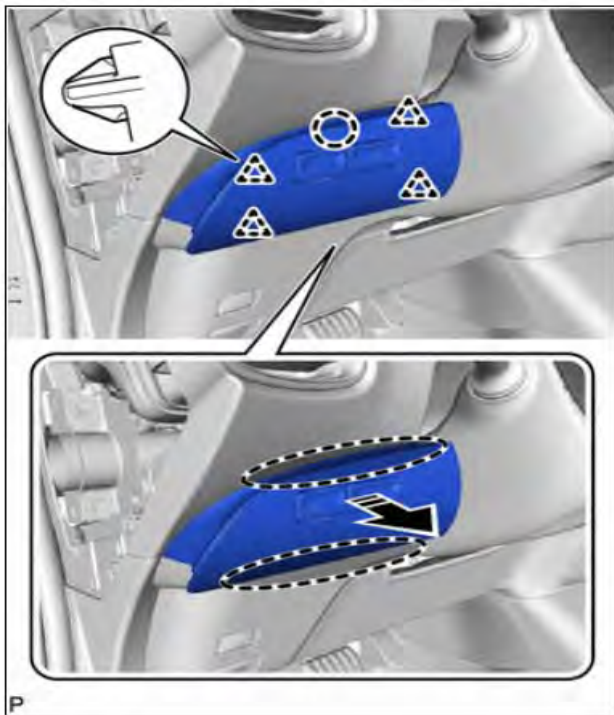
**Figure 8a**

8. Using a molding remover, disengage the 6 clips. Disengage the 3 guides to remove the instrument panel finish panel end LH. See figure 8a and 8b.



	Remove in this Direction
--	--------------------------

**Figure 8b**



	Place Hand Here
	Remove in this Direction

**Figure 9**

9. Disengage the 4 clips and claw. Disconnect each connector to remove the instrument cluster finish panel garnish assembly. See figure 9.

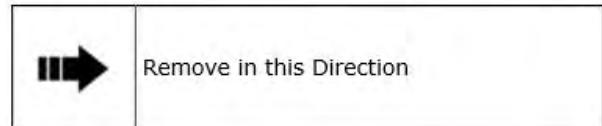
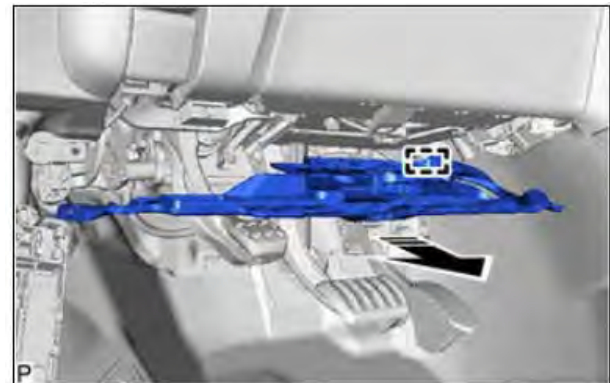
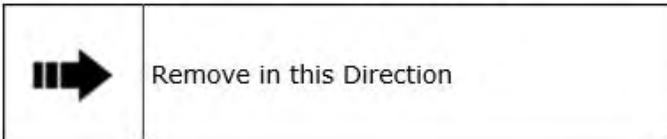


10. Remove the 2 screws See figure 10.

**Figure 10**

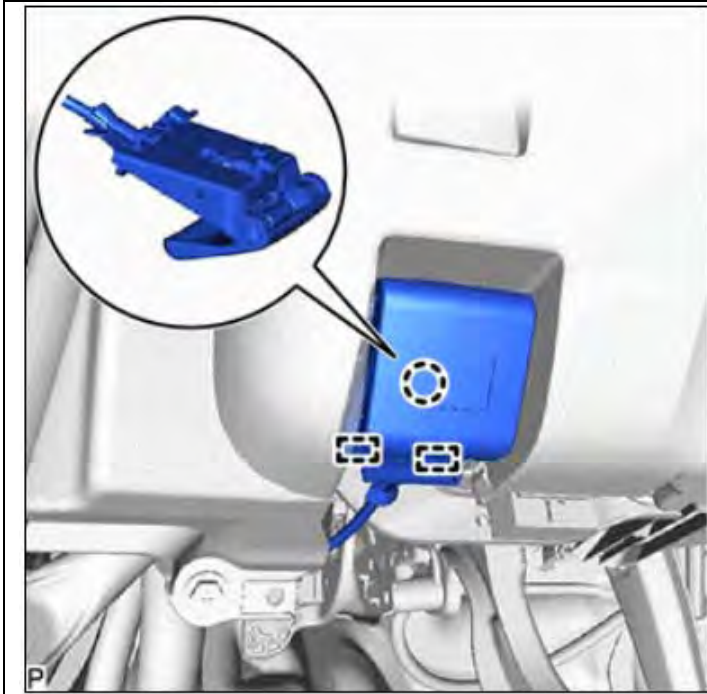


11. Disengage the claw and guide. See figure 11a and 11b.



**Figure 11a**

**Figure 11b**



*Figure 12*

12. Disengage the claw and 2 guides to disconnect the hood lock control lever sub-assembly. See figure 12.



*Figure 13*

13. Remove the screw and Disengage the 6 clips and 2 guides. See figure 13.



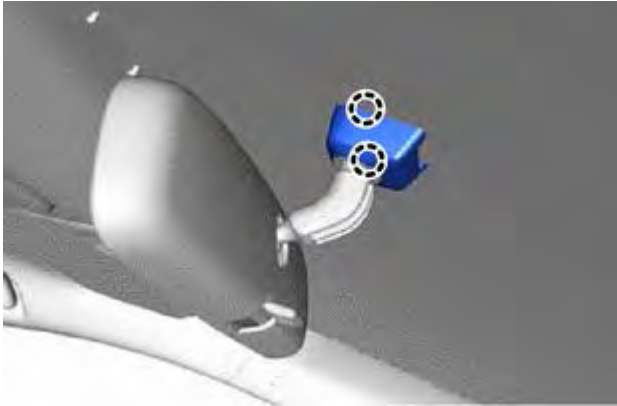
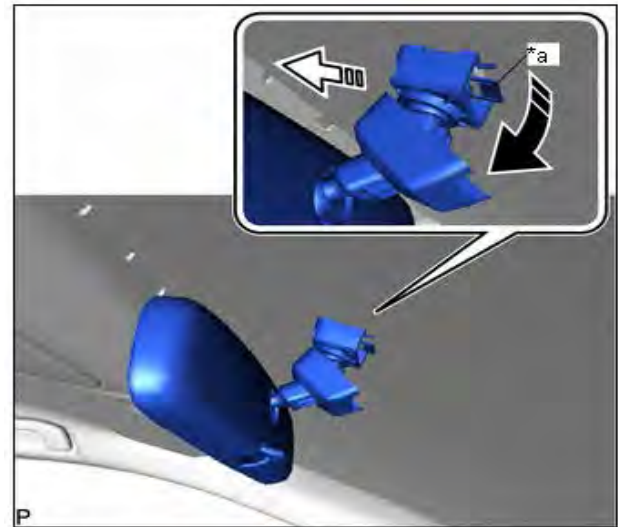


Figure 14a

14. Disengage the 2 claws and disconnect the inner mirror base cover. Pull the lock lever in the direction indicated by the arrow (1) in the illustration, and slide the inner rear view mirror assembly in the direction indicated by the arrow (2) to remove it. See figure 14a and figure 14b.




*a	Lock Lever
	Pull in this Direction (1)
	Remove in this Direction (2)

Figure 14b

**Replacing EC mirror with Frameless® EC Mirror w/ Compass & HomeLink®.**

Remove the factory ec mirror cover. Disconnect the connector. Using a T20 "TORX" bit, remove the screw and inner rear view mirror assembly. See figure 14c.



Figure 14c





	Remove in this Direction (1)
	Remove in this Direction (2)

Figure 14d




	Remove in this Direction
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Figure 14e

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

Pull the No. 2 forward recognition cover in the direction indicated by the arrow (1) in the illustration to disengage the 2 claws. Pull the No. 2 forward recognition cover in the direction indicated by the arrow (2) in the illustration to disengage the 2 guides and remove the No. 2 forward recognition cover. See figure 14d.

**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.**

Disengage the 2 clips and 2 guides to remove the No. 1 forward recognition cover as shown in the illustration. See figure 14e.

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



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

Figure 15a

15. 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 15a and 15b.



**Do not use power tools to tighten screw. Hand tighten only.**



T20 Torx

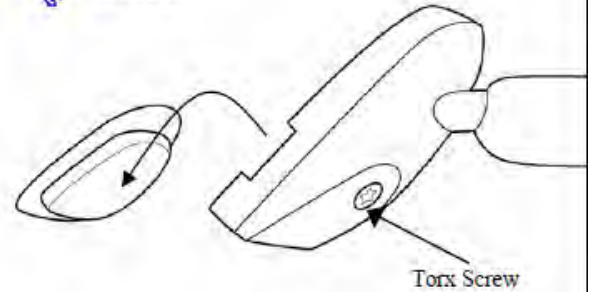


Figure 15b



Figure 16

16. Route the mirror harness to overhead console opening using the precut notches on the front of the headliner. See figure 16.





Figure 17

17. 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 17.

**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.**

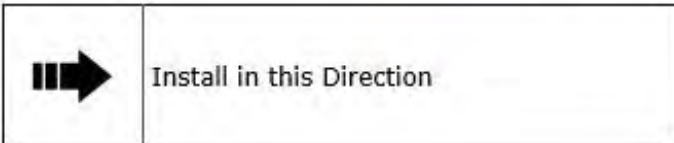


Figure 18a

18. Engage the 2 clips and 2 guides as shown in the illustration to install the No. 1 forward recognition cover. Engage the 2 guides and 2 claws as indicated by the arrows, in the order shown in the illustration to install the No. 2 forward recognition cover. See figure 18a and 18b.

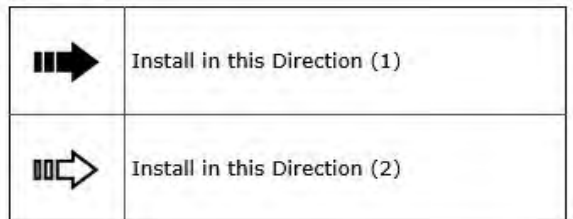
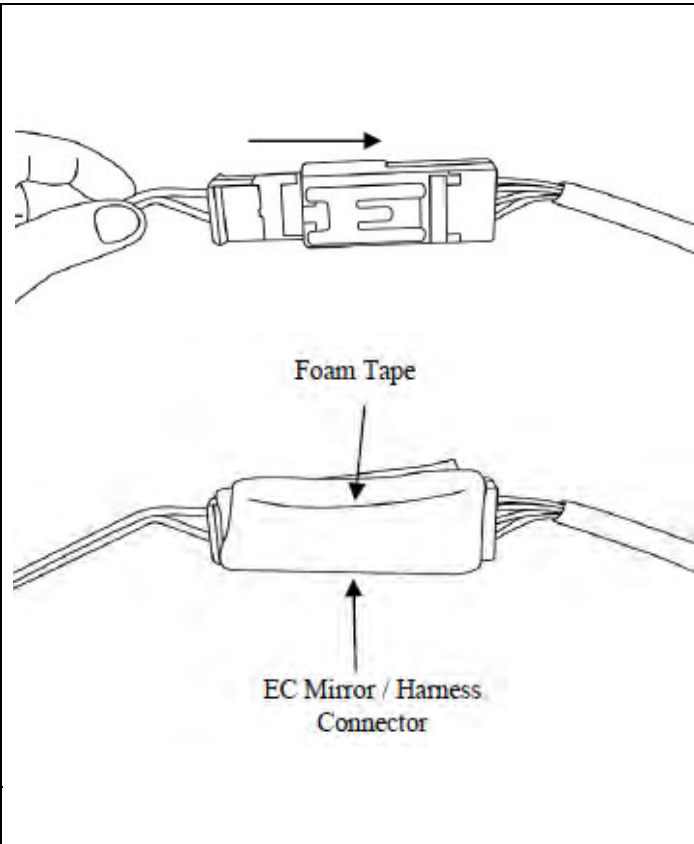
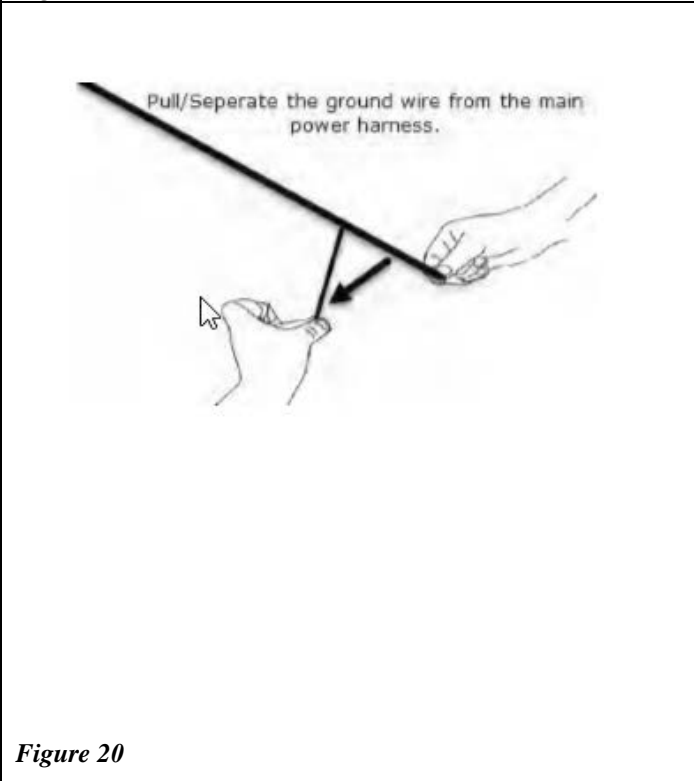


Figure 18b



19. Connect the mirror harness to the mirror main power harness. Make sure both connectors are fully engaged. Wrap foam tape around connectors. See figure 19.

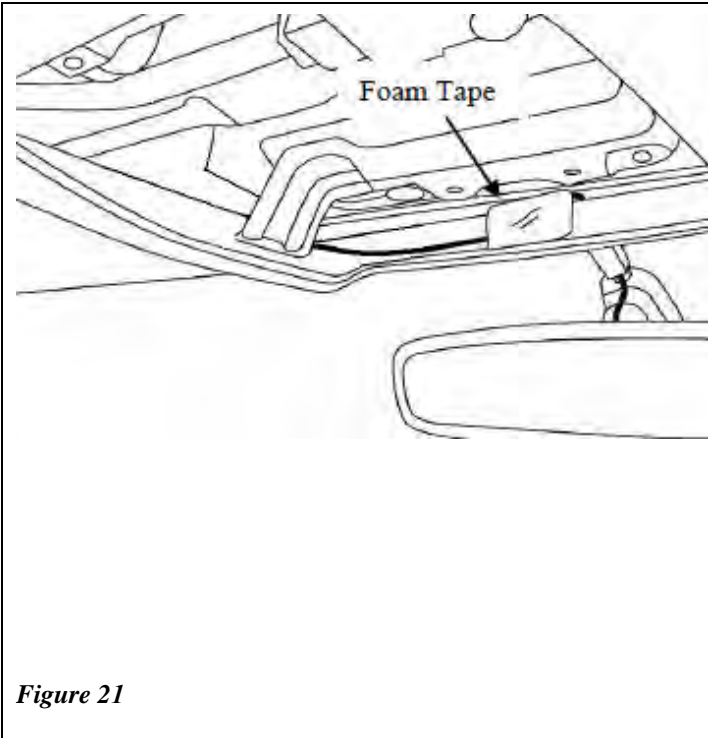
Figure 19



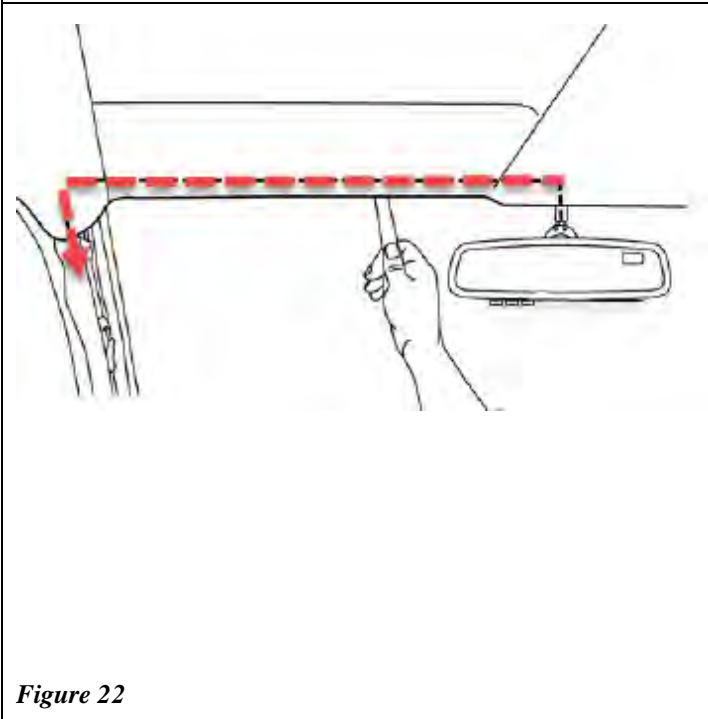
20. Pull/Separate the ground wire from the main power harness approximately 50 inches. See figure 20.

Figure 20





21. Secure the harness to the front center of the headliner with one (1) piece of foam tape. See figure 21.



22. Route mirror main power harness along front edge of headliner towards the LH vehicle A-Pillar. See figure 22.



Figure 23

23. Route the mirror harness ground and power wires down to the bottom of the Front LH pillar to connector FO2. Wire tie the mirror harness to the vehicle harness as shown. If equipped with a sunroof, be sure not to secure mirror harness to sunroof drain tube. See figure 23.

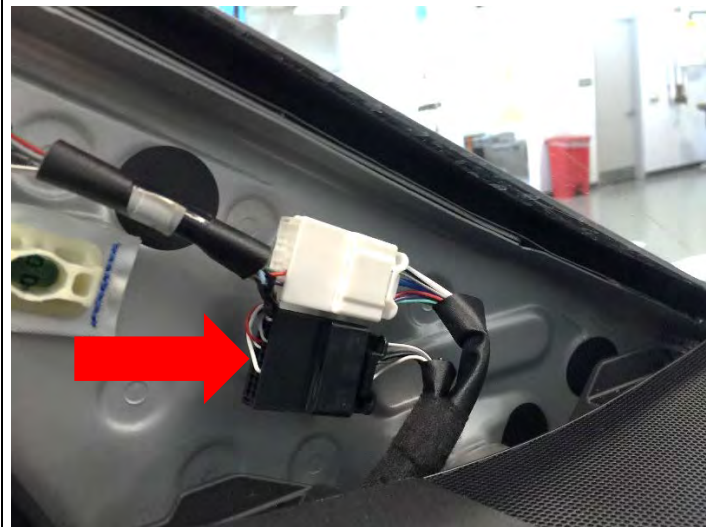


Figure 24a

24. Locate (Black) connector FO2 in the LH A-Pillar. See figure 24a and figure 24b.

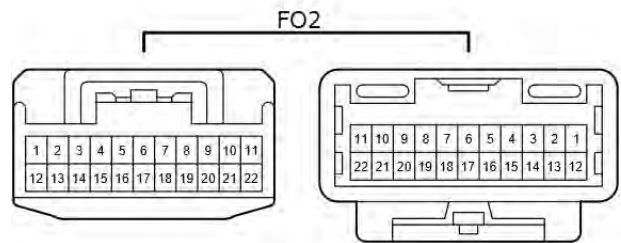


Figure 24b

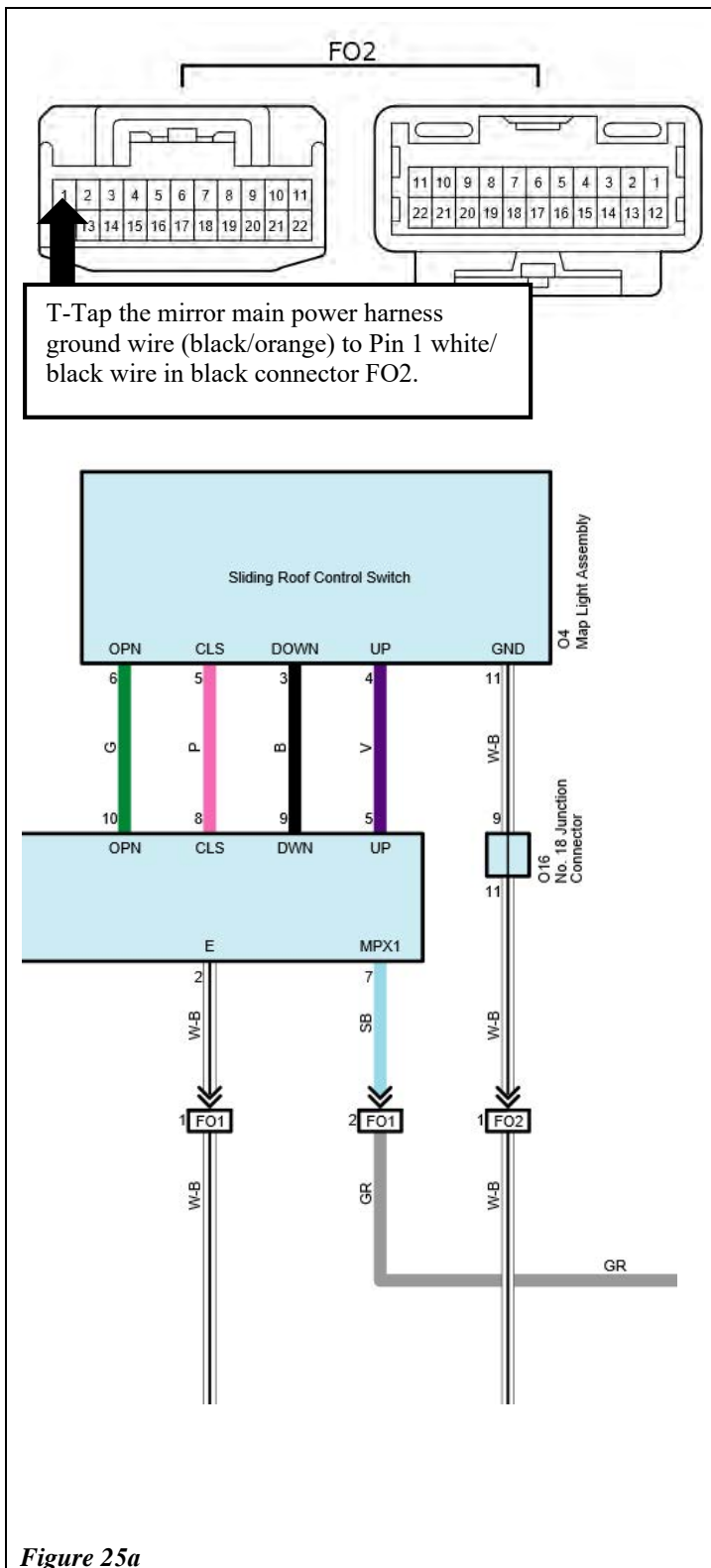


Figure 25a

25. T-Tap the mirror main power harness ground wire (black/orange) to Pin 1 white/black wire in black connector FO2. See figure 25a and 25b. Bundle any excess wire and secure to the OE harness using a wire tie.



Figure 25b

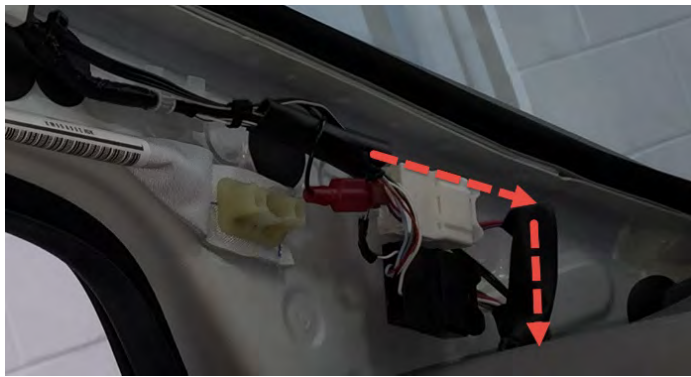


Figure 26a

26. Route the mirror harness behind the dash to the instrument J/B assembly. See figure 26a and 26b.

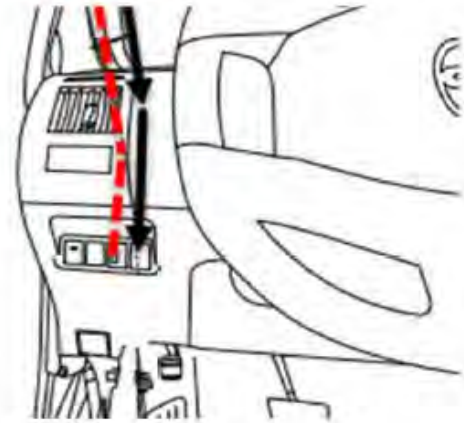


Figure 26b

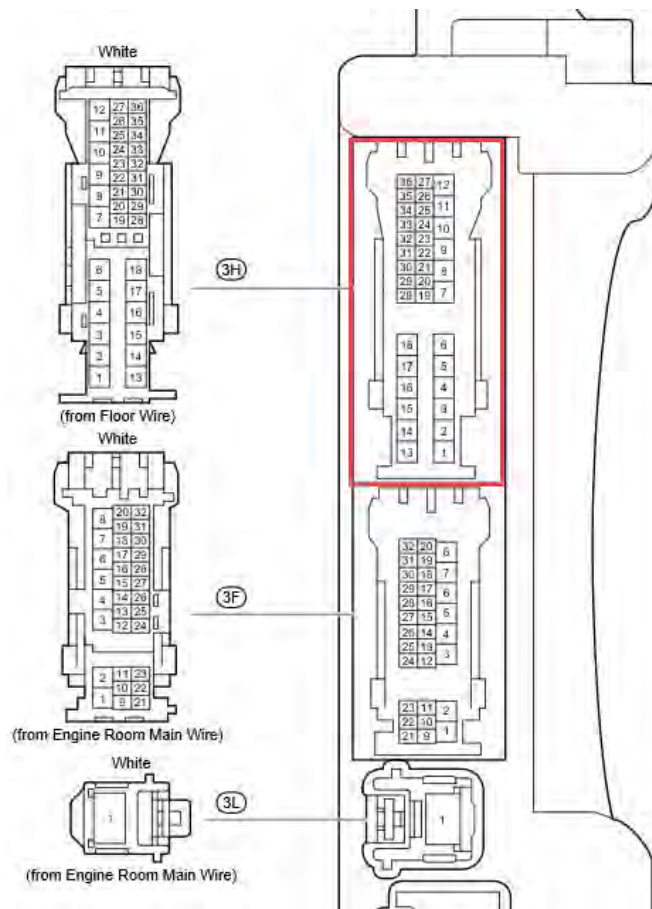
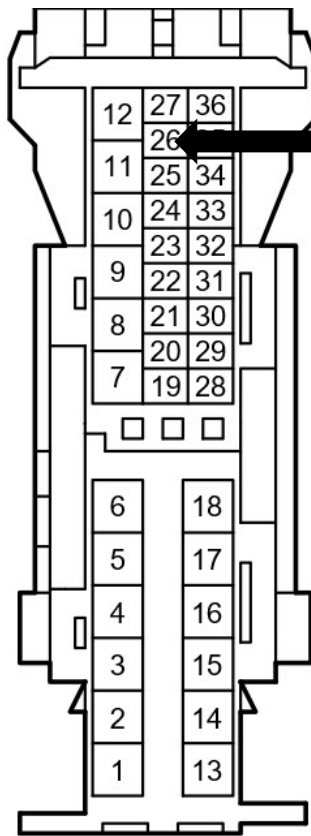


Figure 27

27. Locate (White) connector 3H in the instrument J/B assembly. See figure 27.



T-Tap the mirror main power harness ignition power wire (black/white) to Pin 26 red wire in instrument J/B assembly connector 3H.

3H

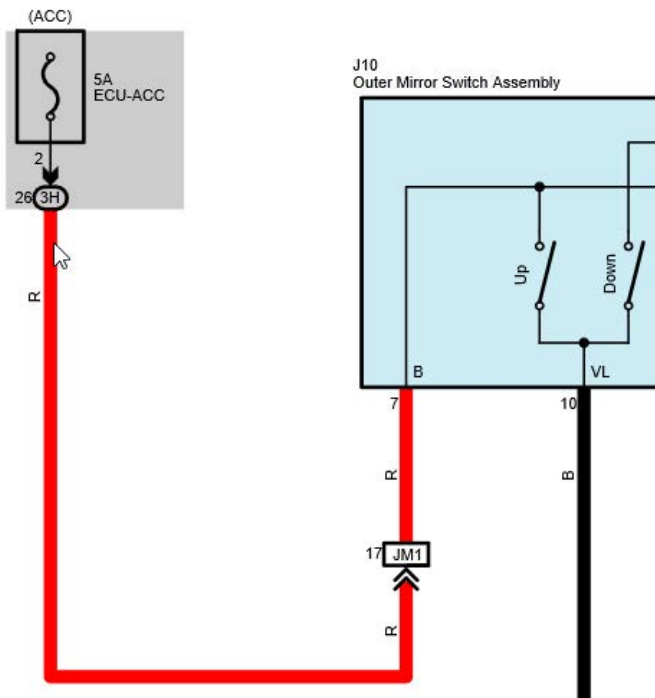


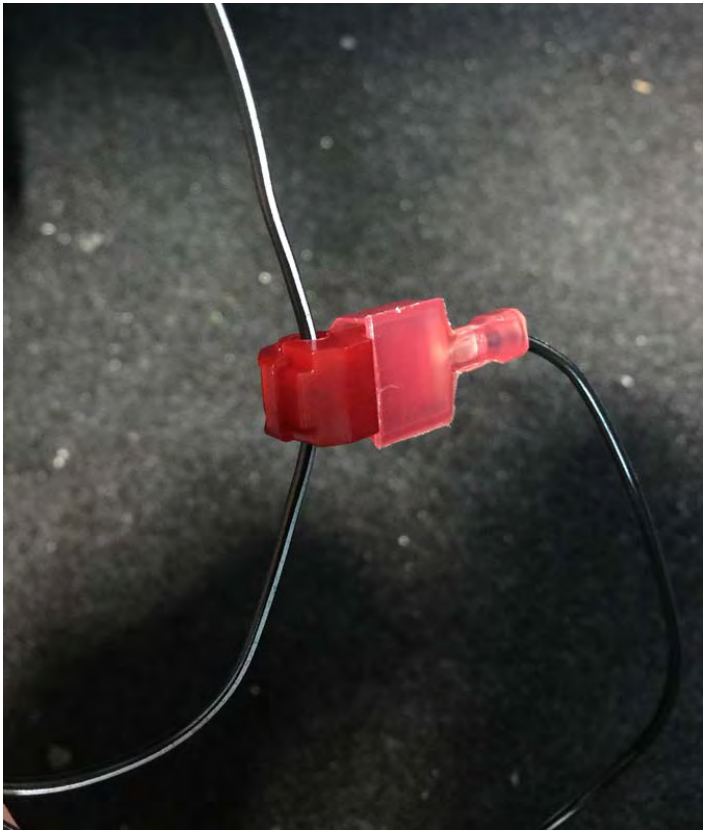
Figure 28a

28. T-Tap the mirror main power harness ignition power wire (black/white) to Pin 26 red wire in instrument J/B assembly connector 3H. See figure 28a and 28b.



Figure 28b





T-Tap the mirror main power harness power wire (black) to the mirror main power harness ignition wire (black/white). See figure 28c.

*Figure 28c*



Figure 29

29. Bundle any excess wire. Using wire ties, secure the mirror main power harness wires to the vehicle harness as shown. See figure 29.

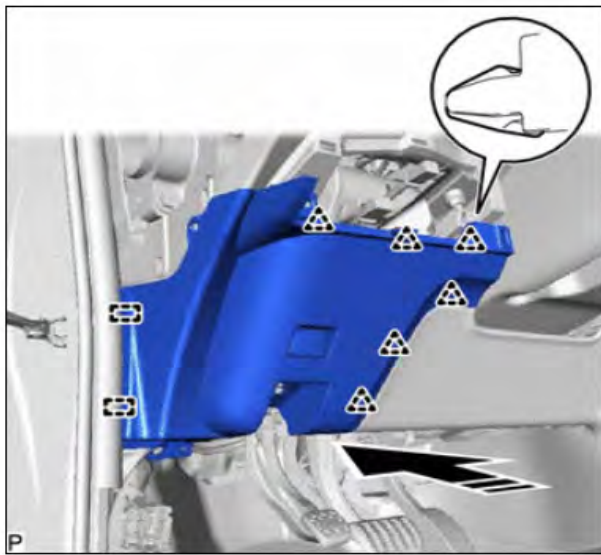


Figure 30a

30. Connect the connector. Engage the 2 guides and 6 clips. Install the lower instrument panel finish panel assembly with the screw. Engage the claw and 2 guides to connect the hood lock control lever sub-assembly. See figure 31a and 30b.

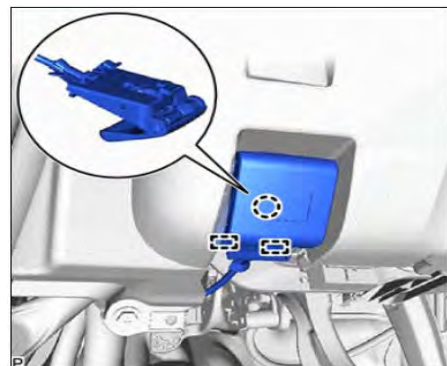
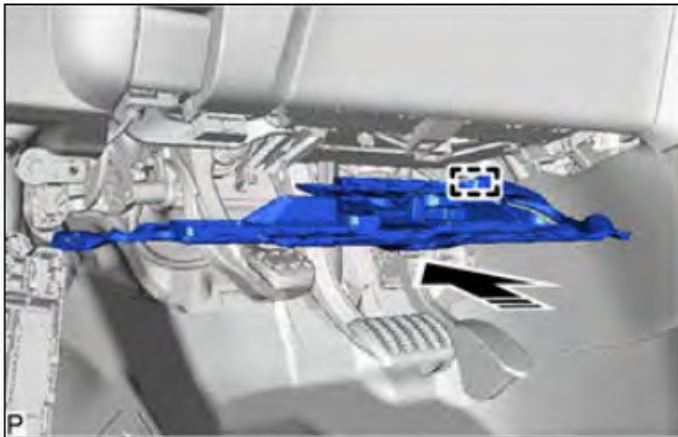


Figure 30b



Install in this Direction

31. Engage the guide and claw. Install the No. 1 instrument panel under cover sub-assembly with the 2 screws. See figure 31a and 31b.



Install in this Direction

Figure 31a

Figure 31b



Install in this Direction

32. Connect each connector. Engage the claw and 4 clips to install the instrument cluster finish panel garnish assembly. See figure 32.

Figure 32

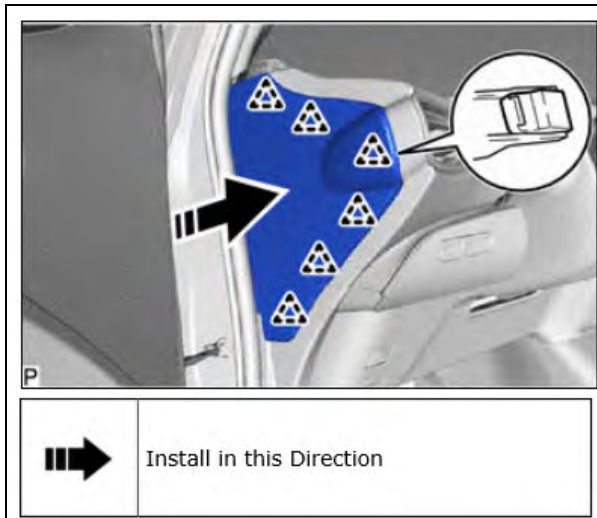


Figure 33a

33. Engage the 3 guides and the 6 clips to install the instrument panel finish panel end LH. See figure 33a and 33b.

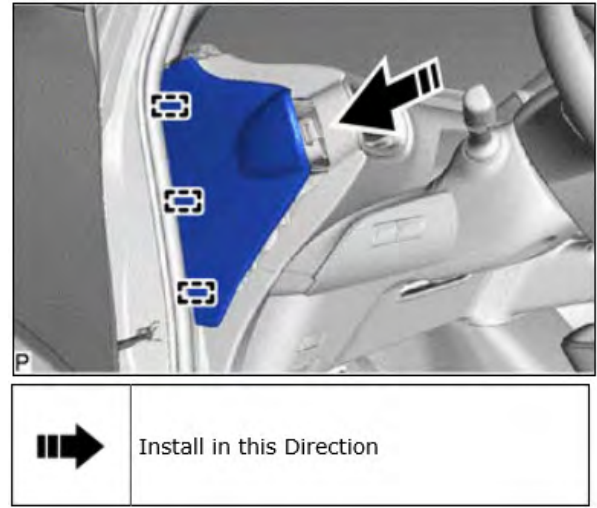


Figure 33b

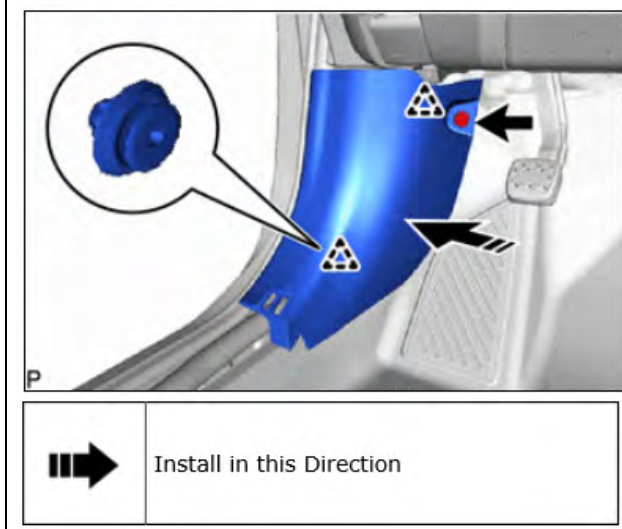
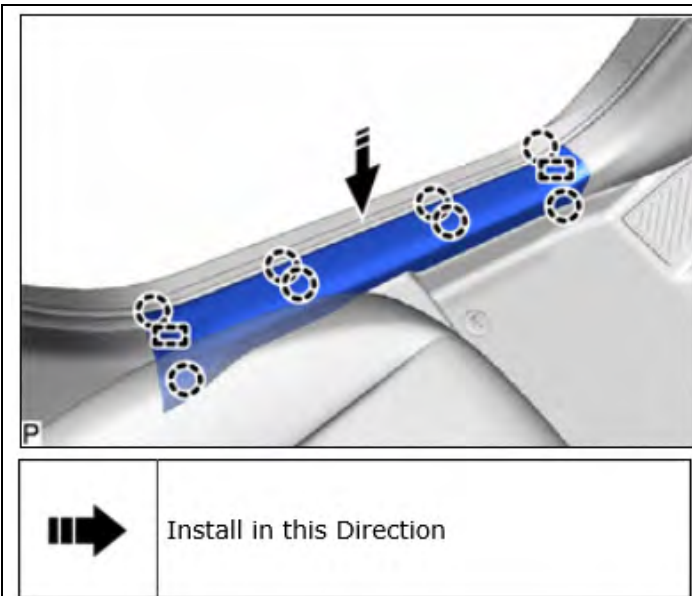


Figure 34

34. Engage the 2 clips and install the cowl side trim board LH with the clip. See figure 34.



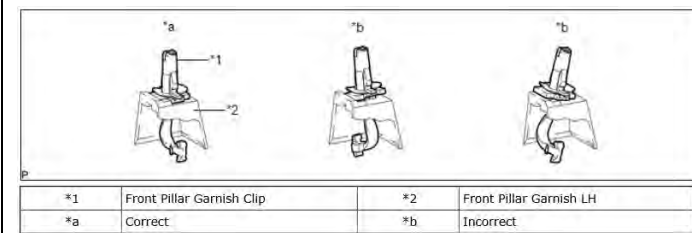


35. Engage the 2 guides and 8 claws to install the front door scuff plate LH. See figure 35.



Install in this Direction

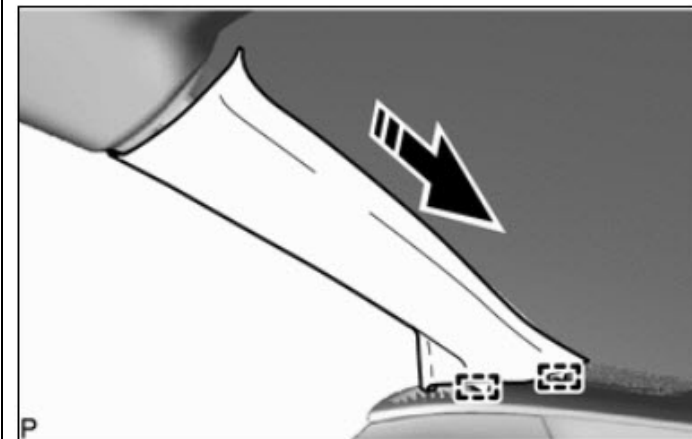
Figure 35



36. Engage the front pillar garnish clips to the front pillar garnish LH. Push the front pillar garnish LH as shown in the illustration to engage the 2 guides. See figure 36.



**NOTE: Install new A-Pillar garnish clips when replacing A-Pillar garnish. A-Pillar clip 62217-78010 is not provided in the mirror kit. This item must be ordered separately. One clip is required.**



Install in this Direction

**A-Pillar Clip Part Number: 62217-78010**

Figure 36



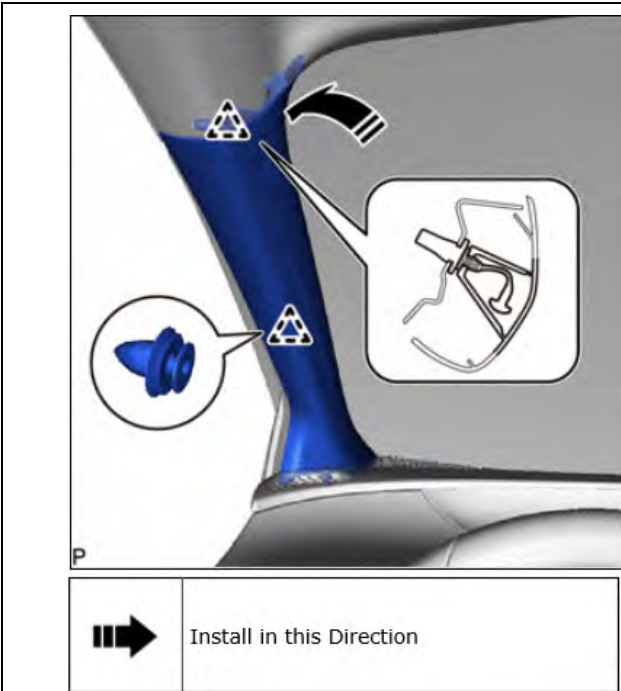


Figure 37

37. Engage the clip and front pillar garnish clip to install the front pillar garnish LH. See figure 37.

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



Figure 38a

38. Engage the 2 claws to install the visor holder LH. See figure 39a and 39b.

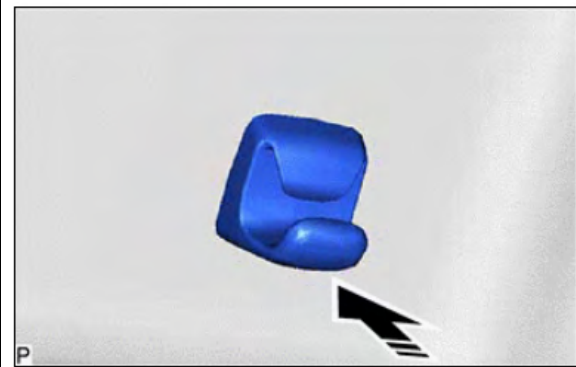
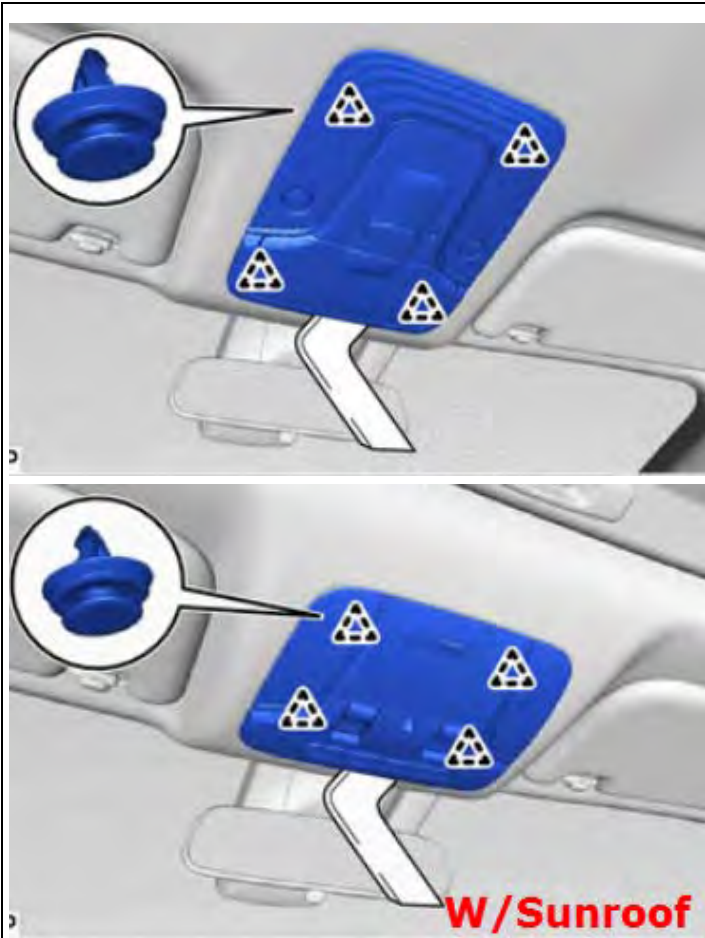


Figure 38b



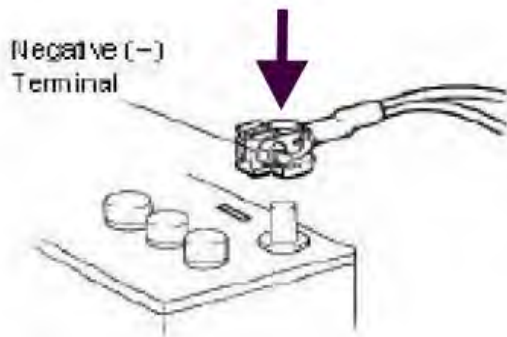
39. Connect the connector. Engage the 4 claws and 4 clips to install the map light assembly. See figure 39.

*Figure 39*



40. Place owner's cards in the glove box. See figure 40.

Figure 40



41. Connect the negative battery cable. See figure 41.


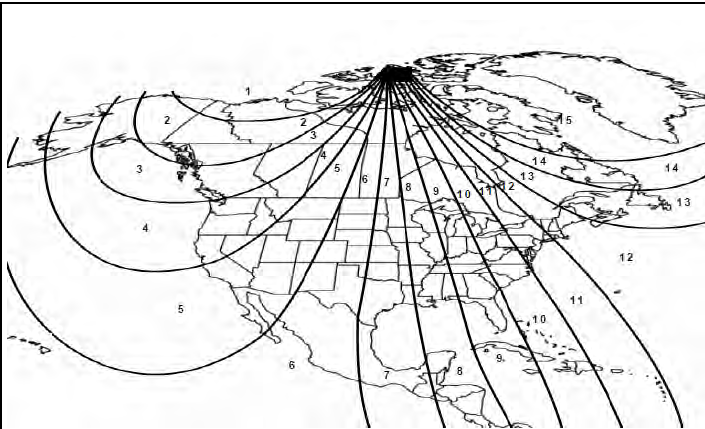
 **Torque: 48in.\*lbf**

Figure 41



**Figure 42**

42. 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 42.
- (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.

43. 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.

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).

#### **Mirror clears:**

- 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.

### **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.

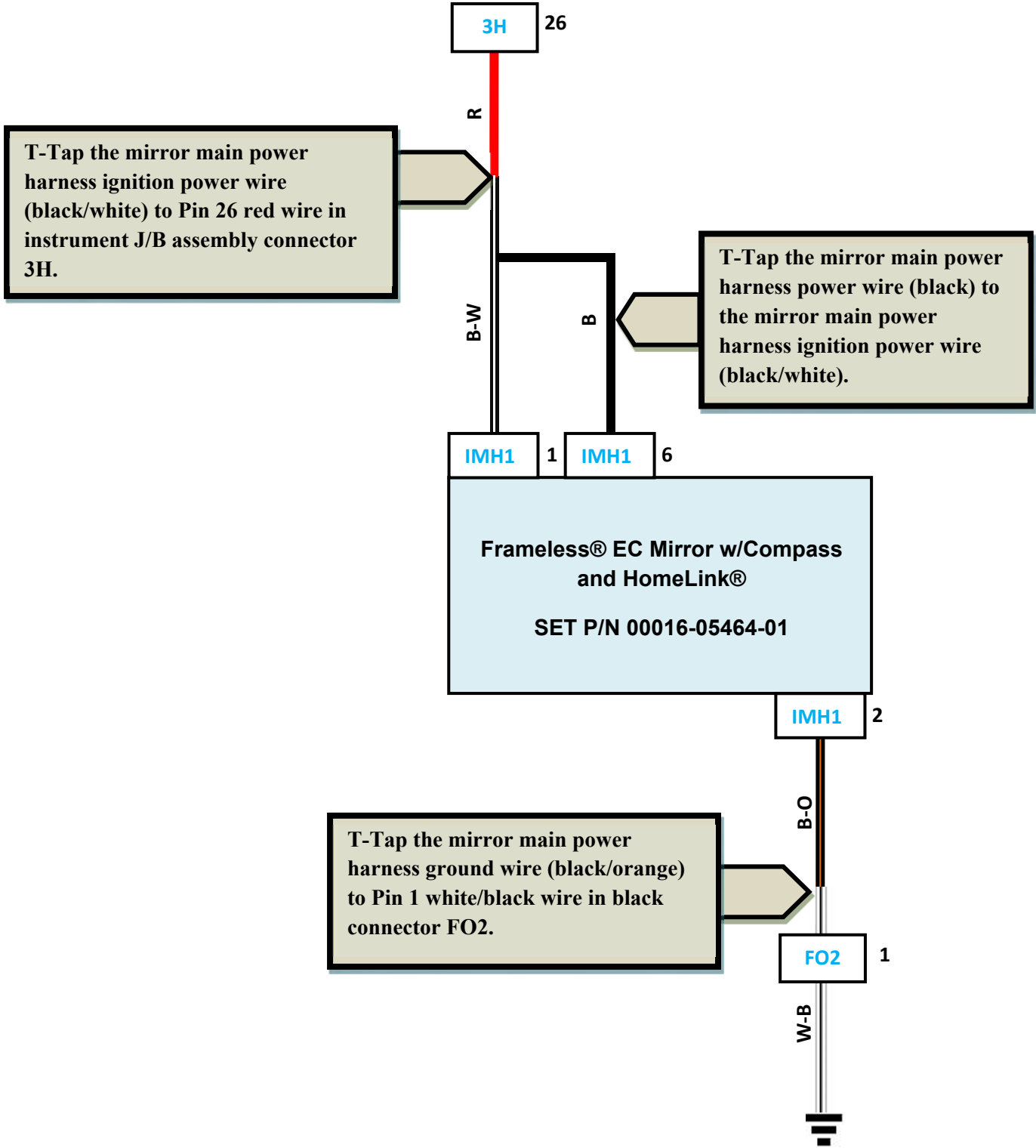
Verify the dome light functions properly.

Verify the sunroof functions properly.



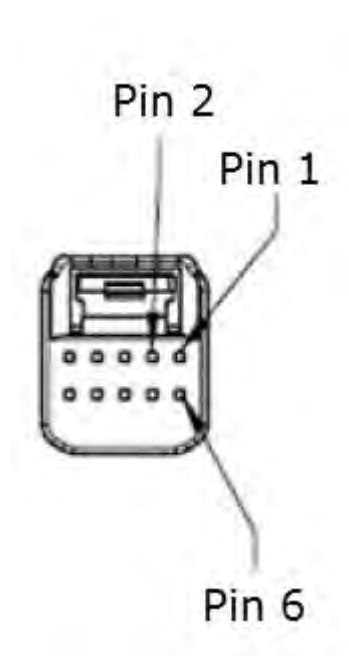
# Block Diagram Frameless® EC Mirror w/Compass & HomeLink®

**Applies to SET P/N 00016-05464** **2016 Prius**



## Checking the Harness Pin outs:

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



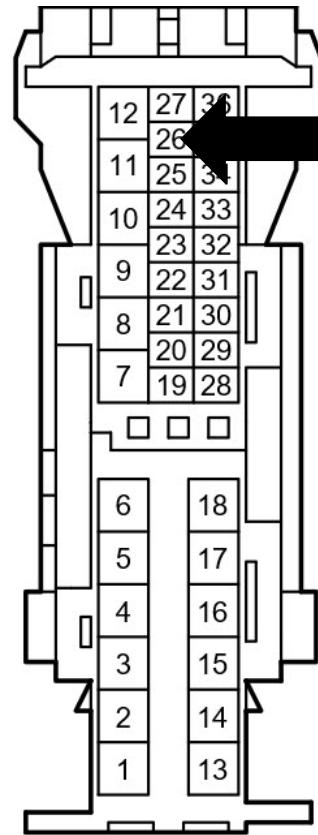
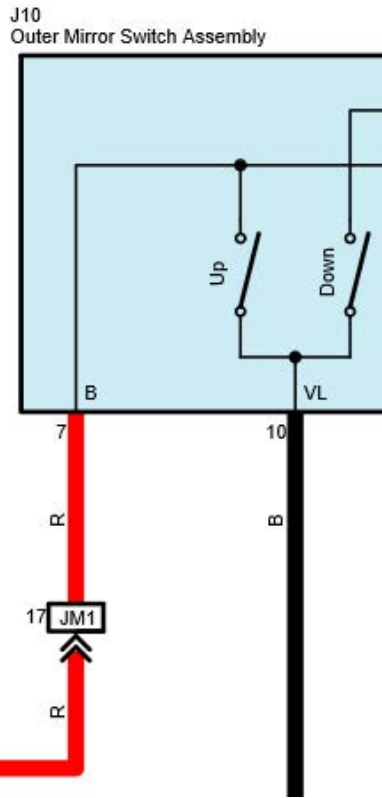
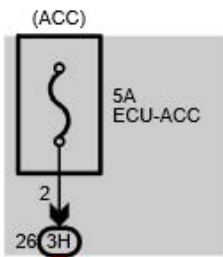
**Connector view is from the front (pin side)**

**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.**

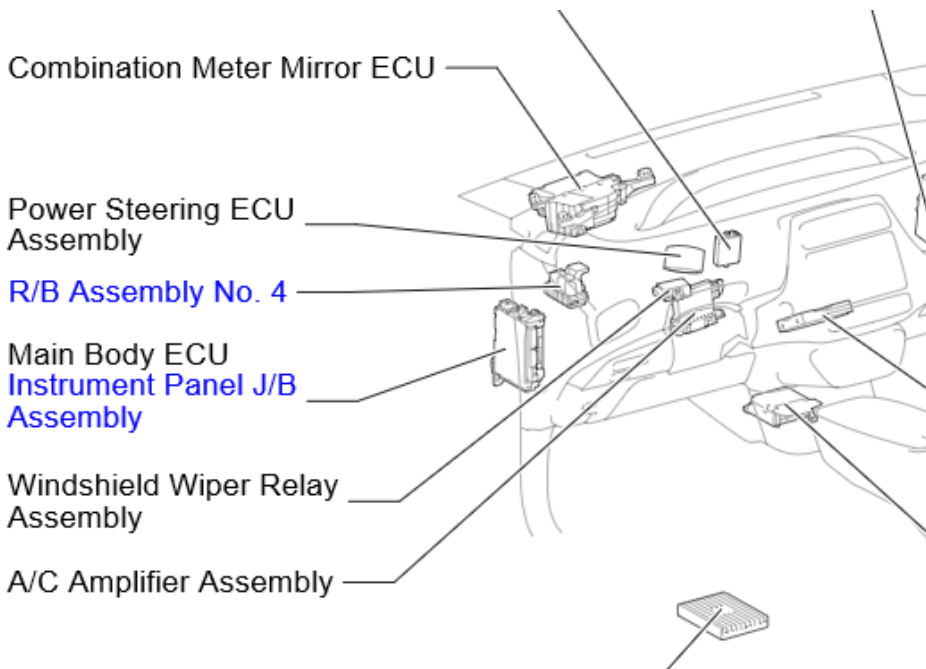
Pin	Wire Color	Test Reference	Proper Operation
1	Black w/White Trace	Pin 1 to ground	Approx. 12 VDC with switch in ON position Approx. 0 VDC with switch in OFF position
2	Black w/Orange Trace	Pin 2 to ground	Always Continuity
6	Black	Pin 3 to ground	Approx. 12 VDC with switch in ON position Approx. 0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



3H



# Vehicle Connector FO2 Ground Circuit

