PIO / DIO

Frameless<sup>®</sup> EC Mirror w/ Compass & HomeLink<sup>®</sup>

02/08/17

### Toyota 4Runner 2016



Part Number: 00016-05464 Accessory Code: ME4000 Note: This accessory requires 00016-05463-04 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
3	1	Main Power Wire Harness

### **Hardware Bag Contents**

	0	
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	Small Wire Harness Cover
		(00016-05463-04)

### **Recommended Tools**

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

### Service Parts Numbers

Part Description	Part Number
Frameless® EC Mirror w/Compass	00016-05464-01
and HomeLink®	
Main Power Wire Harness	00016-05464-02
33MM-58MM Wire Harness Cover	00016-05463-04

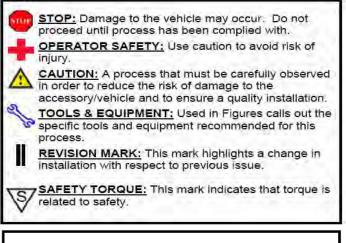
### **General Applicability**

All MY17 Models

### **Recommended Sequence of Application**

Item #	Accessory	
1		
2		
3		
		*Mandatory

### Legend



### 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.

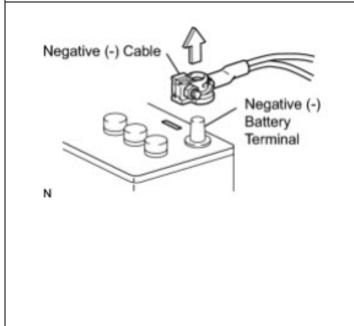
These guidelines can be found in the "Accessory Installation Practices" document.

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.).



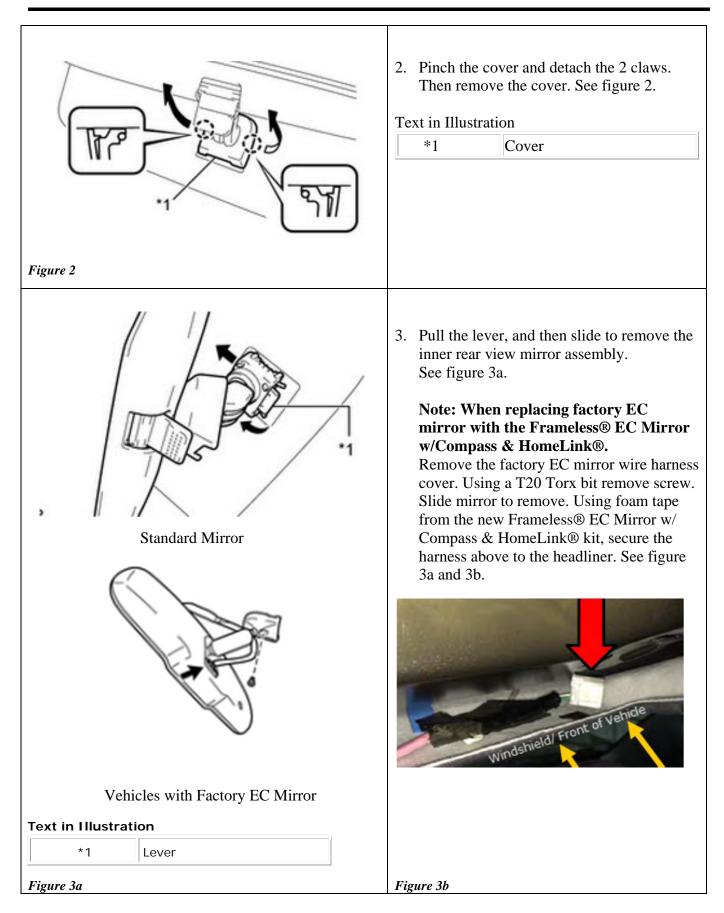
1. Remove the NEGATIVE (-) battery terminal before starting any disassembly. See figure 1.

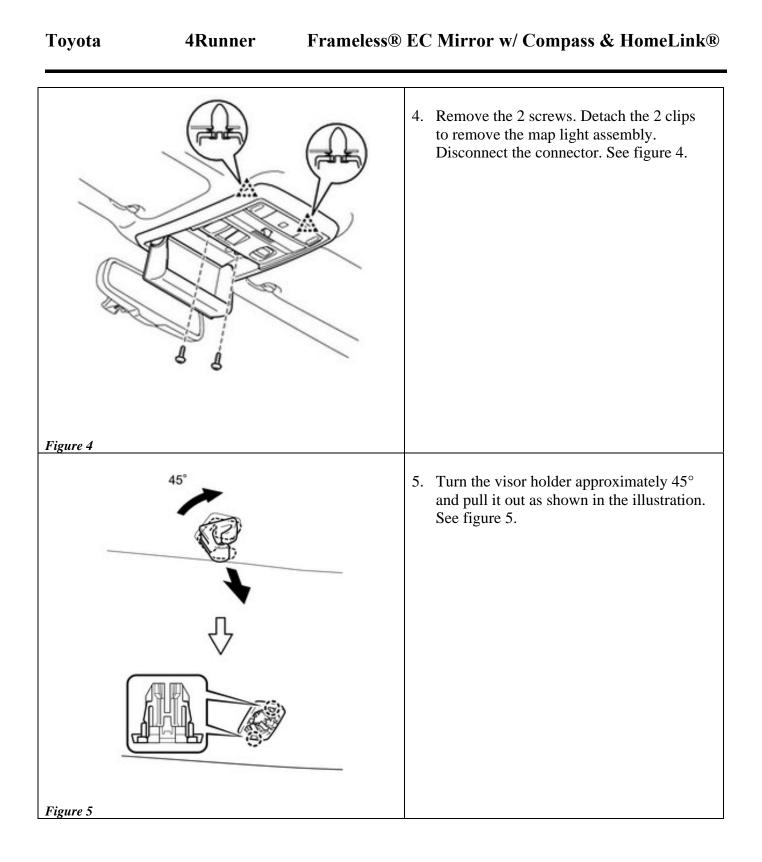


**Caution: DO NOT touch the** positive terminal.

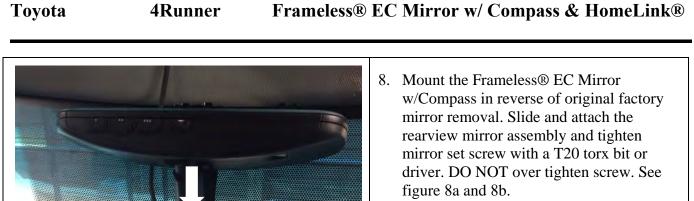
Wait at least 90 seconds after disconnecting the cable from the negative (-) battery terminal to disable the SRS system.

Figure 1

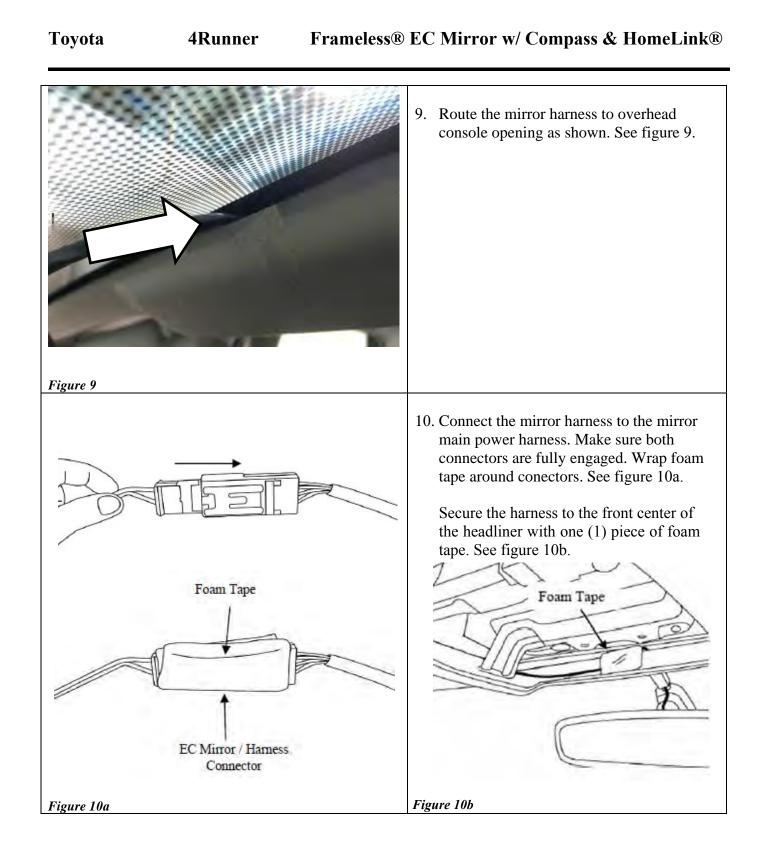


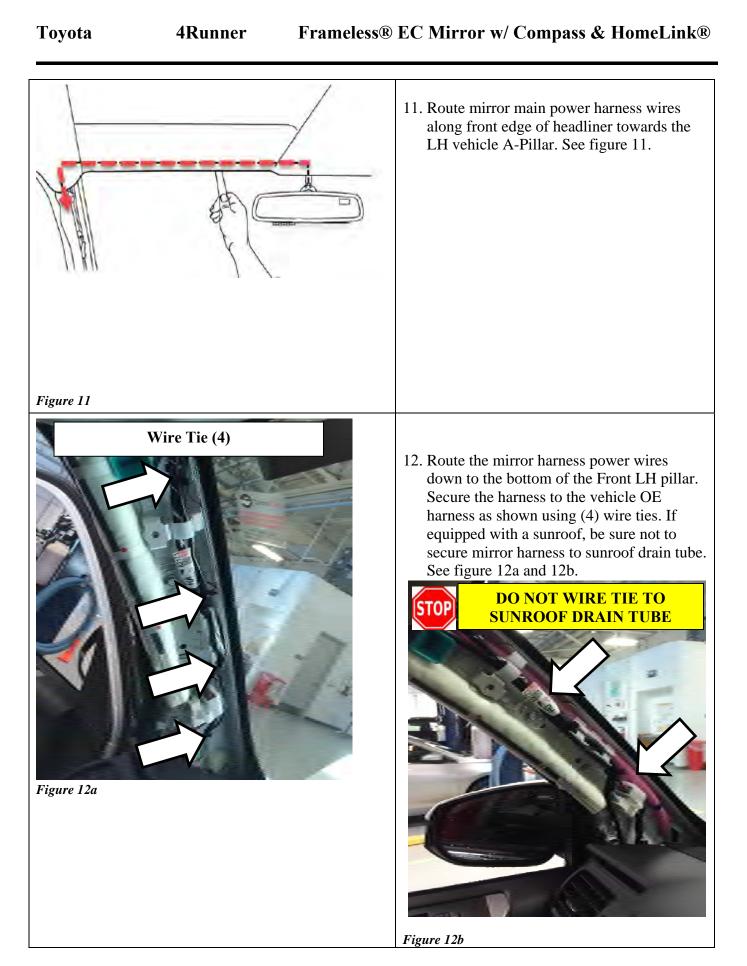


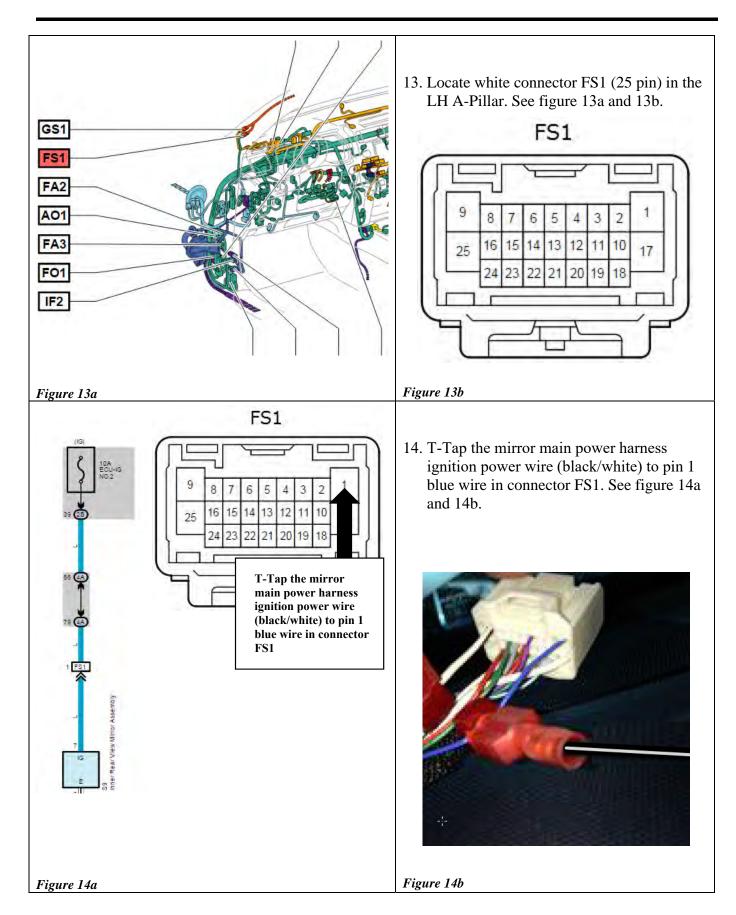
## 6. Using a screwdriver, detach the 2 claws to remove the No. 1 front pillar garnish cover LH. See figure 6. **Text in Illustration** \*1 Protective Tape **HINT:** Tape the screwdriver tip before use. Figure 6 7. Remove the bolt and detach the clip. See figure 7a. Detach the 2 guides to remove the front pillar garnish LH. See figure 7b. 0 Ĺ Figure 7b Figure 7a



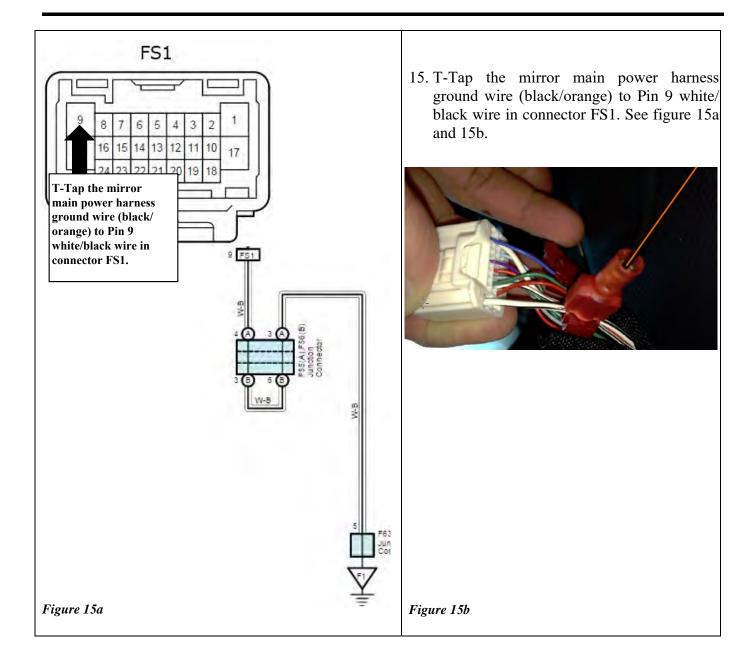
# Figure 8aInguice of and ob.Torque: 15.5 in.\*lbfTorque: 15.5 in.\*lbfFigure 8aFigure 8b

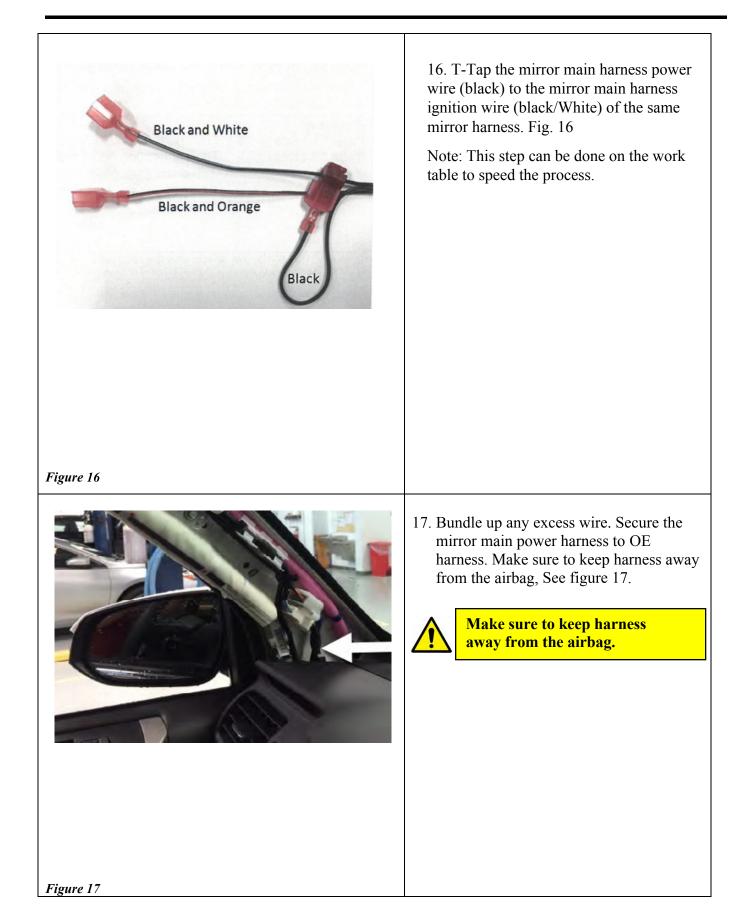


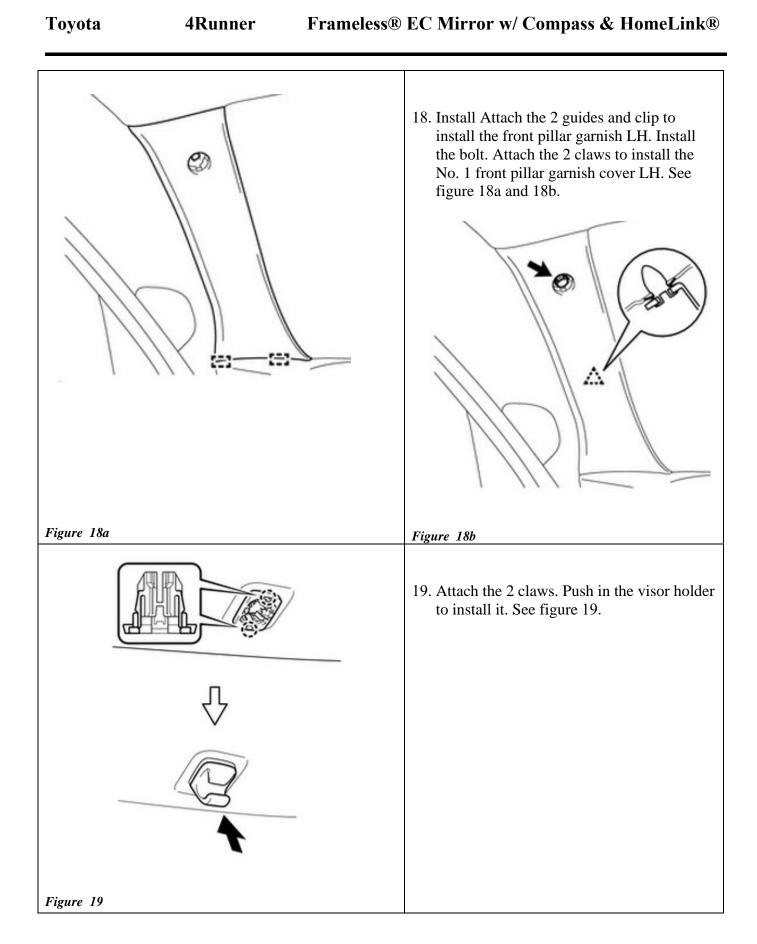




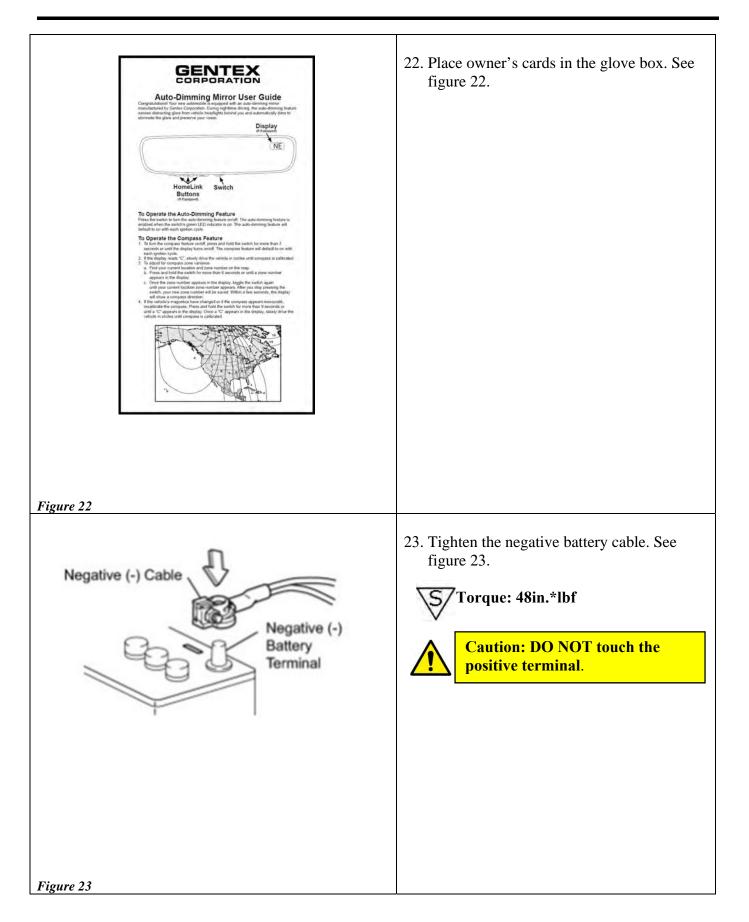
### Toyota

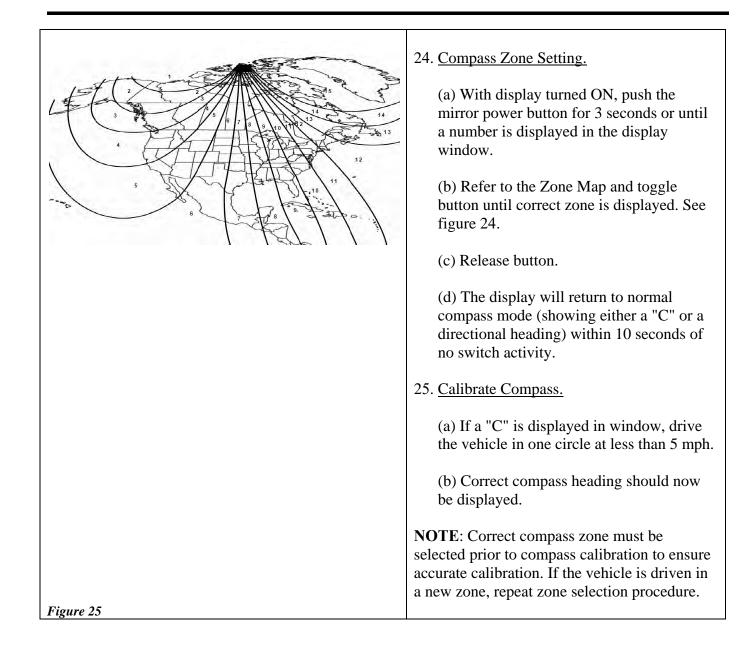






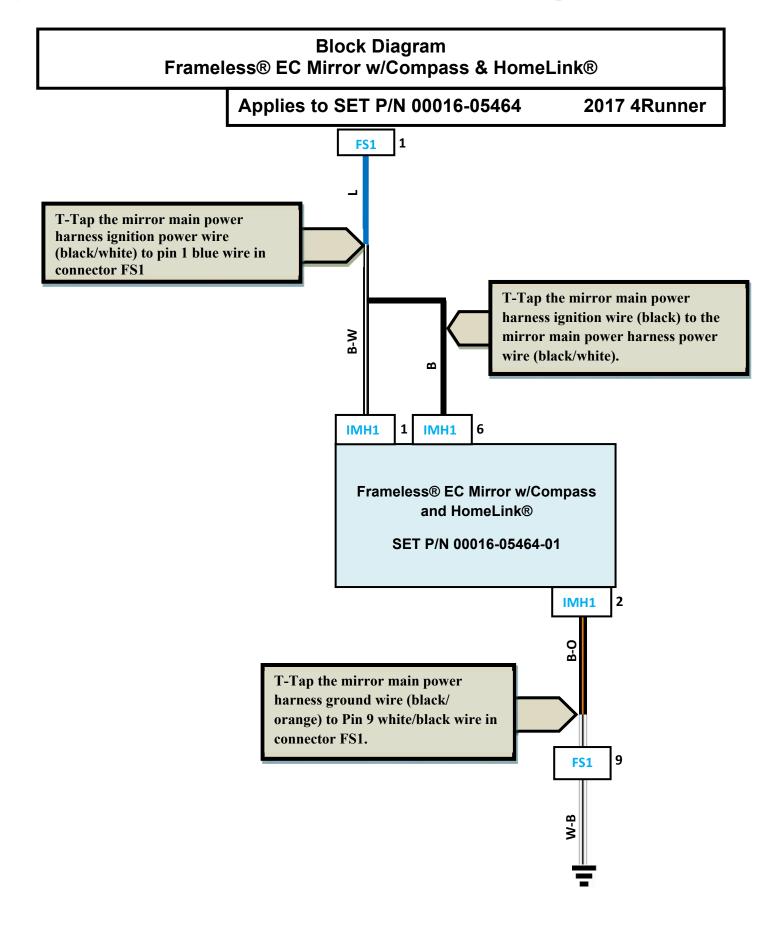
Toyota	4Runner	Frameless®	EC Mirror w/ Compass & HomeLink®
A C			20. Connect the connector. Attach the 2 clips to install the map light assembly. Install the 2 screws. See figure 20.
Figure 20	33MM-5 Harness	AND IN THE OWNER OF	<ul> <li>21. Install the 33MM-58MM wire harness cover (SET part # 00016-05463-04) over the wire harness. Seat the bottom of the cover securely to base of the mirror. Extend the top of the cover fully into the headliner. See figure 21a and figure 21b.</li> <li>Note: The 33MM-58MM wire harness cover 00016- 05463-04 is not provided in the mirror kit. This item must be ordered separately.</li> </ul>
			Figure 21b





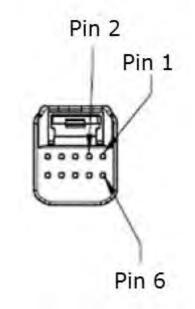
Toyota	4Runner	Frameless® EC Mirror w/ Compass & HomeLink®
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Check: After Installation		Look For:
	Vehicle should be in a fairly well lit area. Turn ignition (ACC power) to ON.	Verify green LED is on. If it is not ON press ON / OFF button - confirm LED is ON.
	Auto-dimming feature:	
	Cover the forward-looking light sensor (located on the back of the mirror).	Verify mirror darkens.
	Remove cover from photocell.	Mirror returns to clear state.
	Compass Feature:	
	Look at the mirror compass display.	Correct compass heading should now be displayed. If a "C" is displayed in window, calibrate the compass.
	Operation Instruction Cards	Place in the vehicle glove box.
	HomeLink Feature:	
	Look at the mirror's (3) HomeLink buttons.	Verify all (3) buttons are illuminated when the vehicle ignition is ON.
	Press the mirror's (3) HomeLink buttons.	HomeLink icon will appear in mirror. Press button again to stop the icon from flashing.
	Overhead Console:	masining.
	Check dome light.	Verify the dome light functions properly.
	Check the Sunroof if applicable.	Verify the sunroof functions properly.



**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 FS1 Power Circuit / FS1 Ground Circuit

