

# SOUTHEAST TOYOTA CAMRY 2007 - Preparation

# EC MIRROR W/HOMELINK® SUNROOF MODEL

**Part Number: 00016-07005**

**Code: CM5**



## Kit Contents

Item #	Quantity Req'd.	Description
1	1	AD Mirror Assembly w/ HomeLink® and Compass
2	1	Hardware bag
3	1	Installation Manual

## Hardware Bag Contents

Item #	Quantity Req'd.	Description
1	3	T-tap Connectors, Red 3M™
2	1	Wire Cover
3	1	EC Wire Harness
4	1	Jumper Wire
5	3	Foam Tape
6	8	Wire Ties, small
7	1	Operation Instruction Card

## Additional Items Required For Installation

Item #	Quantity Req'd.	Description
1		

## Conflicts

XLS, and Limited, or vehicles without sunroof.
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## Recommended Tools

Personal & Vehicle Protection	Notes
Blankets, Towels	
Special Tools	Notes
None	
Installation Tools	Notes
Screwdriver	Phillips #2
Ratchet	
Socket	10 mm
Torx Head Driver	T20
Pliers	Needle Nose
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST# 00002-06001-01
Dark Towel or Cloth	For Testing
Torque Wrench	(36 in. lbs.).
Side Cutters	

Special Chemicals	Notes
Cleaner	Household Windex

## General Applicability

Models with Sunroof Only
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## Recommended Sequence of Application

Item #	Accessory
1	Security
2	Satellite Receiver
3	Audio
4	EC Mirror

\*Mandatory

## Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description
1		

## 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.

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## 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. Also some items listed to be removed may not need to be removed if caution is taken to not damage vehicle.

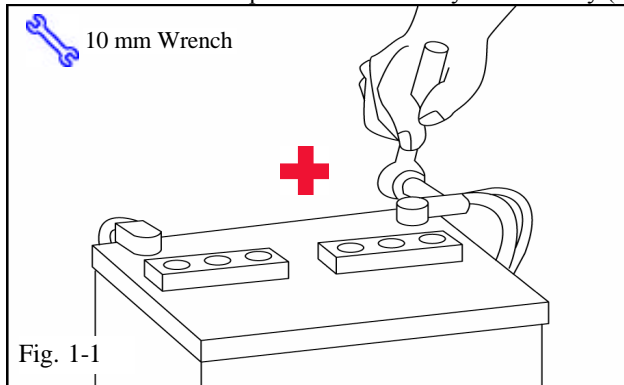
**Procedure**

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) Do not touch the positive terminal with any tool when removing cable.

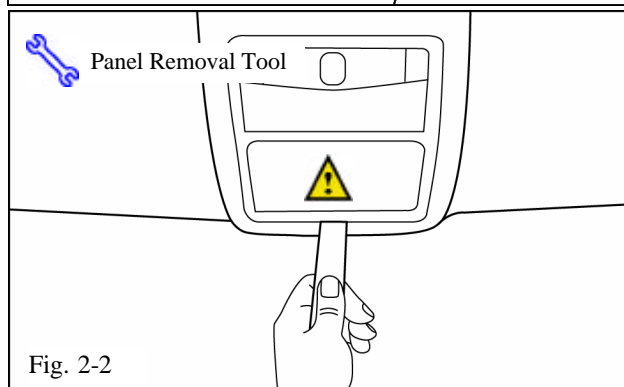
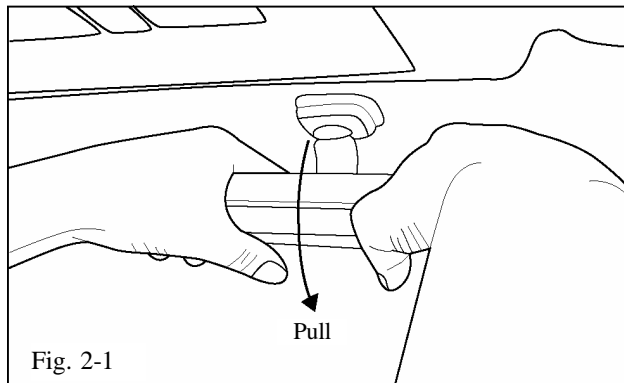


(c) Remove the negative battery cable. (Fig. 1-1)

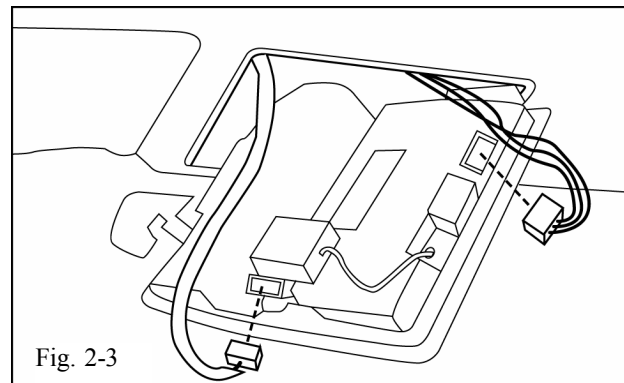
**2. Vehicle Disassembly.**

(a) Remove OE mirror and discard.

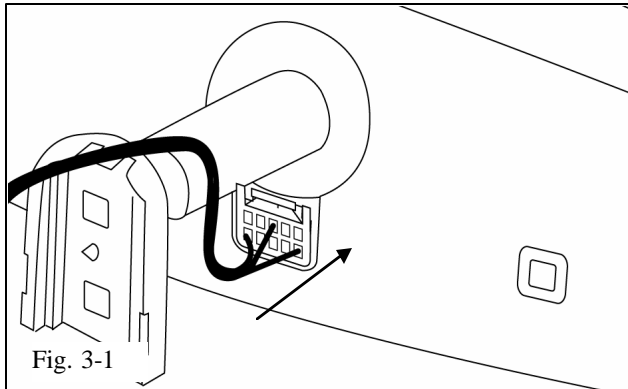
(1) With both hands, grab Mirror firmly on both sides and pull downward sharply until mount releases from windshield button. (Fig. 2-1)



(b) With a panel removal tool, carefully remove the overhead dome light assembly. (Fig. 2-2)

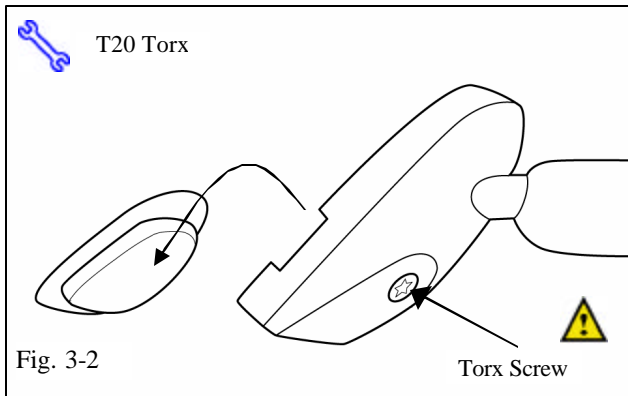


(c) Disconnect all connectors from overhead dome light assembly. (Fig. 2-3)



### 3. Install Mirror

- (a) Plug harness into mirror.  
dome light assembly. (Fig. 3-1)



- (b) Slide the EC mirror onto the mounting button  
on windshield. (Fig. 3-2)

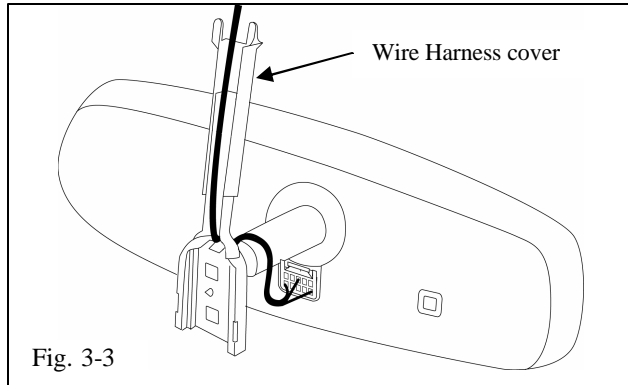


- (c) Install the screw in the mirror mounting  
bracket and tighten securely.

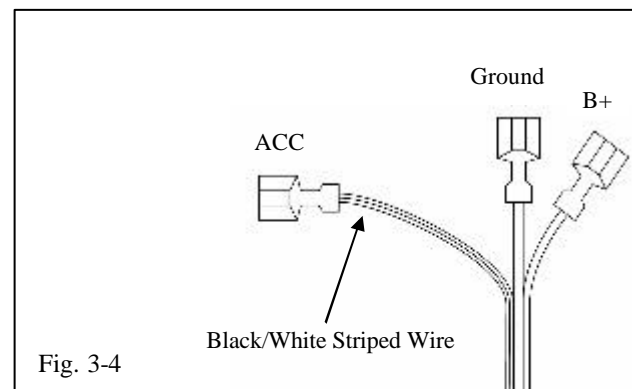


**CAUTION: DO NOT OVER TIGHTEN**

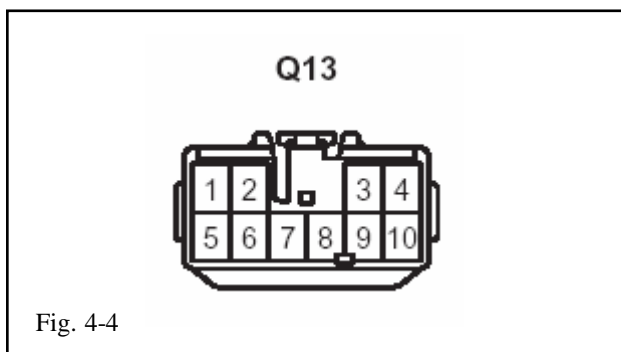
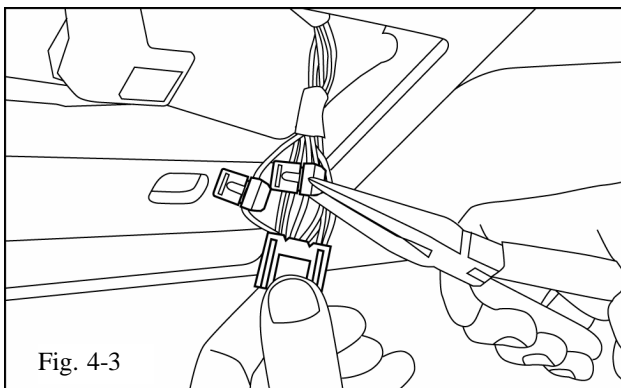
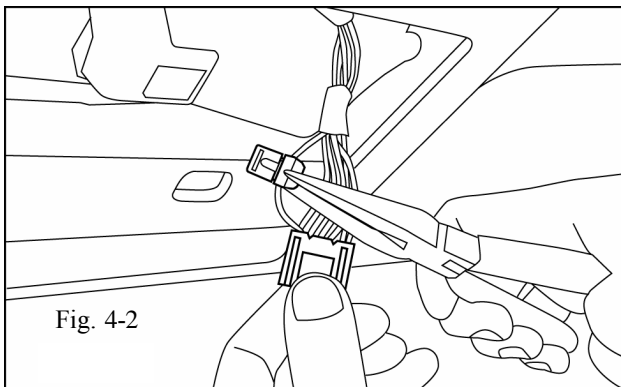
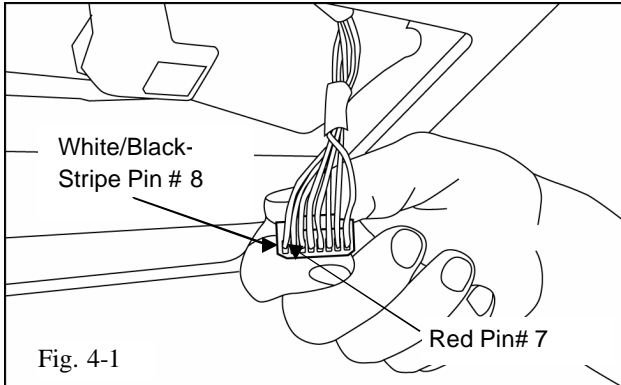
- (d) Slide the wire harness cover over the wire  
harness and extend to completely cover wire  
harness. (Fig. 3-3)



- (1) Be sure the bottom of cover is securely  
mounted to base.
- (2) Be sure top of cover is fully extended  
into headliner.
- (3) Be sure the mirror has full range of  
movement.

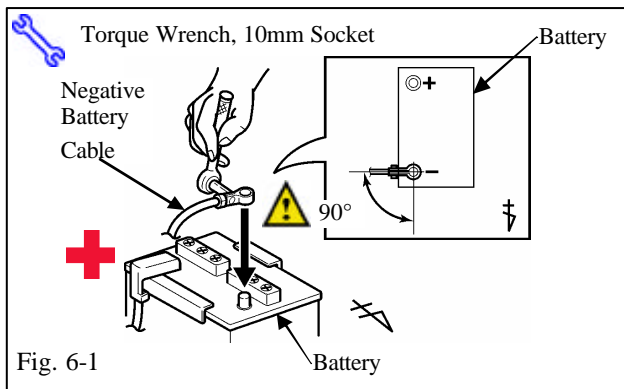


- (e) Mirror harness diagram. (Fig. 3-4)



#### 4. Wire Connections

- (a) Locate the Red wire (Constant power) in pin # 7 and the White/Black-striped wire (GND) in pin # 8, in the 8-pin connector from overhead console. (Fig. 4-1)
- (b) Attach one red T-tap to the Black/White-striped wire in pin #8. (Fig. 4-2)
  - (1) Make sure T-tap halves are snapped together.
  - (2) Plug the middle black wire (GND) from mirror harness into T-Tap on the White/Black stripe wire.
- (c) Attach one red T-tap to the Red wire in pin #7. (Fig. 4-3)
  - (1) Make sure T-tap halves are snapped together.
  - (2) Plug the outside Black wire (Constant Power) from mirror harness into T-Tap on the Red wire.
- (d) Attach (1) Red T-Tap to Yellow wire Pin # 5 in connector Q13. (Fig. 4-4)
  - (1) Make sure T- tap halves are snapped together.
  - (2) Plug the Black wire with White stripe (Ignition wire) from mirror harness into T-Tap on the Yellow wire.



**5. Re - attach all connectors to overhead console.**

**6. Reconnect Negative Battery Cable.**

- (a) Reconnect the vehicle's negative battery cable. (Fig. 6-1)



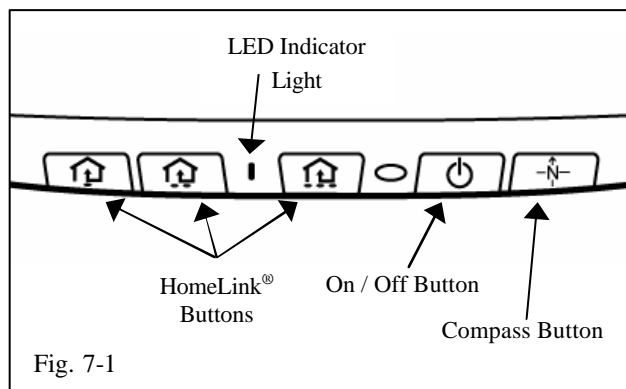
- (1) Tighten the nut to 36 in. lbs..
- (2) Do not touch the positive terminal with any tool when replacing the cable.

**7. Testing.**

- (a) HomeLink® Feature:

- (1) Push in HomeLink® switches, one at a time. Verify that the LED Indicator light is red when each switch is pushed. (Fig. 7-1)

**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).

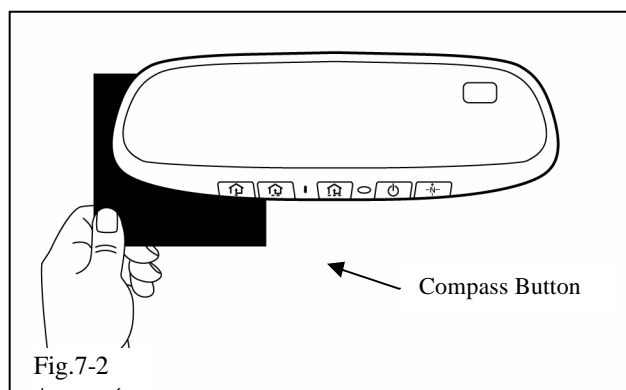


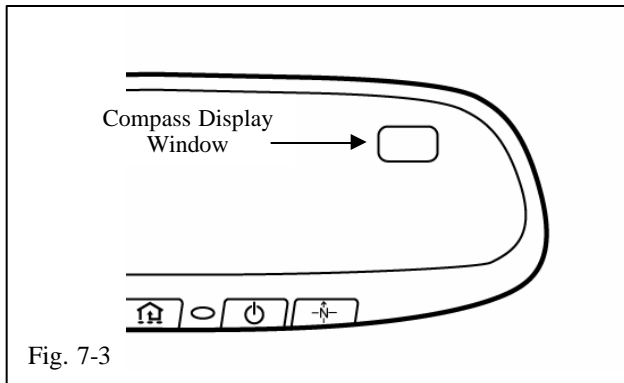
- (b) Turn ignition switch to ON.

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

- (d) 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/Off" button to turn the LED on.
- (2) Cover the forward-looking light sensor located on the back of the mirror with a dark cloth or towel. (Fig. 7-2)
- (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.





(e) Compass Feature:

- (1) Push the Compass button to turn the compass on/off. Compass is enabled when a direction or a "C" appears in the mirror display window. (Fig. 7-3)
- (2) Turn ignition OFF.

**8. Final Assembly.**

- (a) Re-install overhead console.
- (b) Place the operation instruction card in the vehicle glove box.
- (c) 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.
- (d) Verify each reinstalled component for proper fit and function.

**VEHICLE FUNCTION CHECK**

**AFTER ALL PANEL, COVERS, AND COMPONENTS HAVE BEEN RE-INSTALLED, THAT WERE REMOVED, TEST THOROUGHLY, ALL MECHANICAL AND ELECTRICAL COMPONENTS DISCONNECTED AND OR REMOVED FROM THE VEHICLE DURING THE INSTALLATION OF THIS ACCESSORY.**

Check:

Look For:

Accessory Function Checks**Vehicle should be in a fairly well lit area.****HomeLink® feature:**

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

Turn ignition (ACC power) to ON.

**Auto-dimming feature:**

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

**Mirror clears:**

- ☐ Remove cover from photocell.

**Compass Feature:**

- ☐ Push the Compass Button.

- ☐ Operation Instruction Card

- ☐ HomeLink® Programming Instructions

Verify LED indicators turns red.

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.

"C" is displayed.

Placed in the vehicle glove box.

Placed in the vehicle glove box

Vehicle Function Checks

- ☐ Check dome light
- ☐ Check Sunroof
-  ☐ Check battery negative cable

Verify dome light functions properly.

Verify sunroof functions properly.

Nut should be tightened to (36 in. lbs.).