

SOUTHEAST TOYOTA CAMRY 2007 - Preparation

EC MIRROR W/HOMELINK® NON 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

All Non- Sunroof models

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.

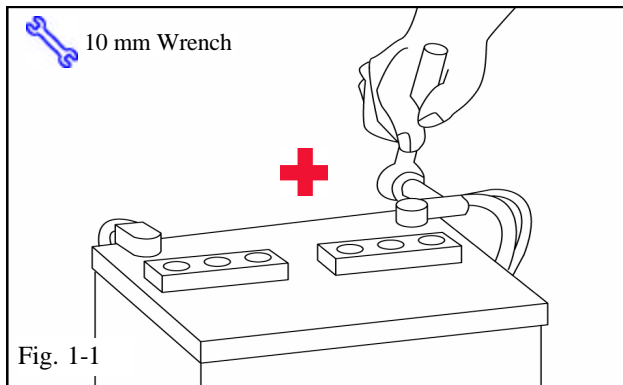
Procedure

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:-

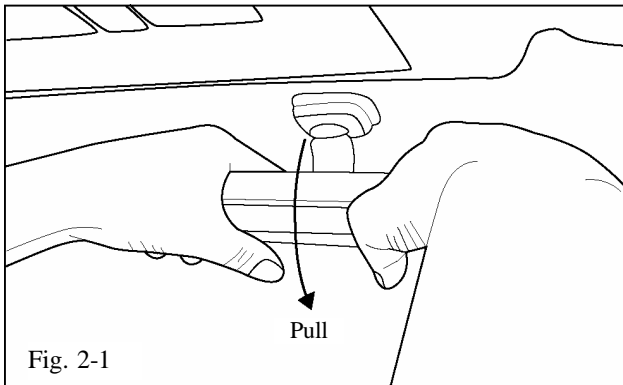
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).



1. Remove Battery Cable.

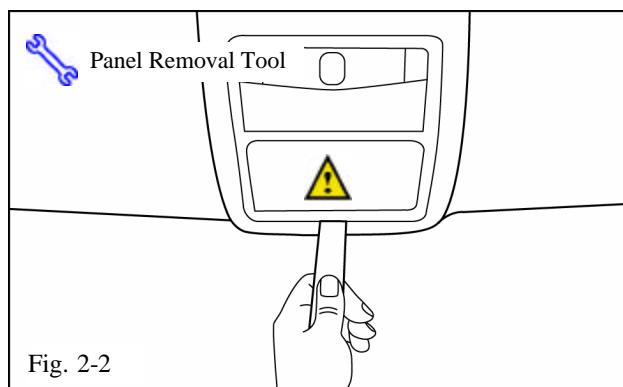


- (a) Protect fender before starting.
- (b) Do not touch the positive terminal with any tool when removing cable.
- (c) Remove the negative battery cable. (Fig. 1-1)



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)

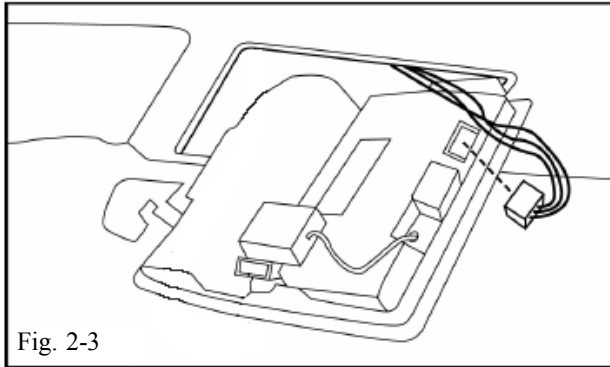


Fig. 2-3

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

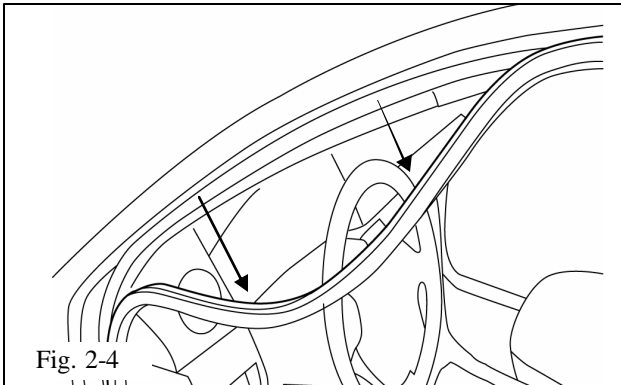


Fig. 2-4

- (d) Remove driver-side weather-seal. (Fig. 2-4)
(OPTIONAL)

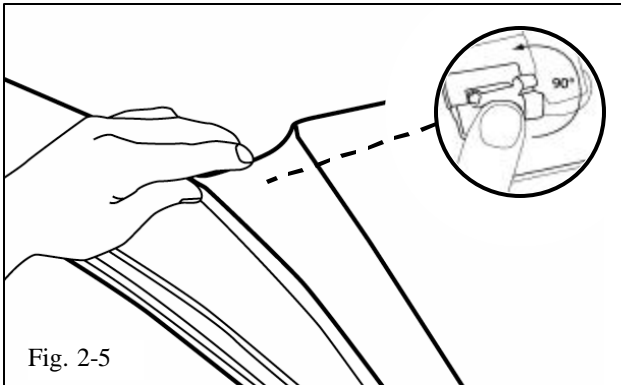


Fig. 2-5

- (e) Remove driver-side A-pillar trim. (Fig. 2-5)
- (1) Pull top of A-pillar trim out.
 - (2) Rotate A-pillar trim retainer 90° and disengage from A-pillar trim.
 - (3) Pull base of A-pillar trim out towards rear of vehicle to remove.

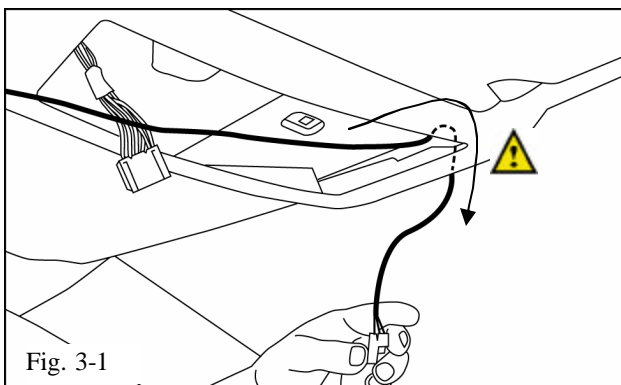
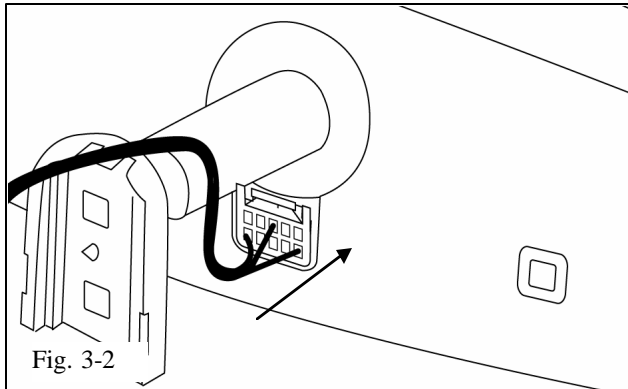


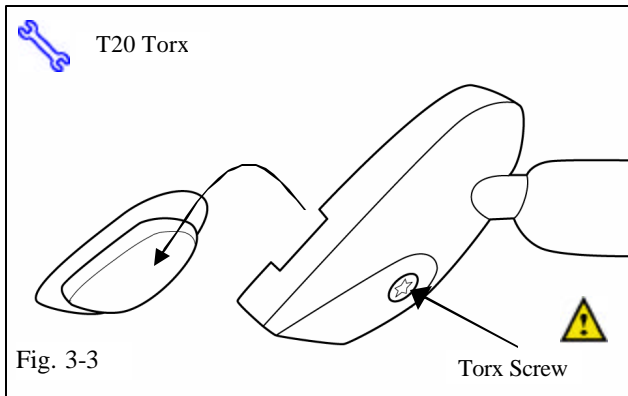
Fig. 3-1

3. Install EC Mirror.

- (a) Route EC mirror harness from inside overhead console opening, between headliner and roof metal (Fig. 3-1)



(b) Plug harness into mirror. (Fig. 3-2)



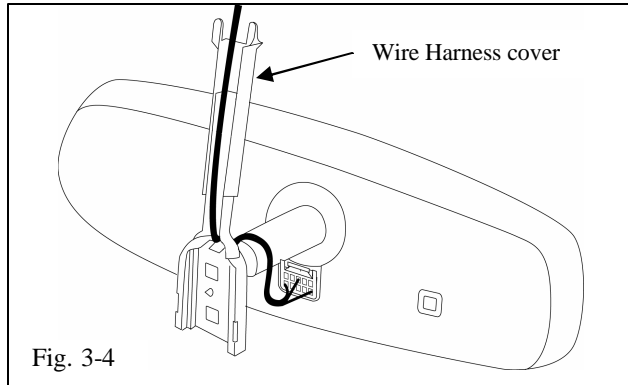
(c) Slide the EC mirror onto the mounting button on windshield. (Fig. 3-3)



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



CAUTION: DO NOT OVER TIGHTEN

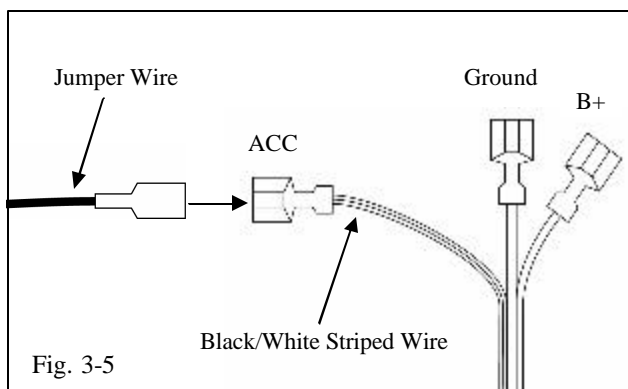


(e) Slide the wire harness cover over the wire harness and extend to completely cover wire harness. (Fig. 3-4)

(1) Be sure the bottom of cover is securely mounted to base.

(2) Be sure top of cover is fully extended into headliner.

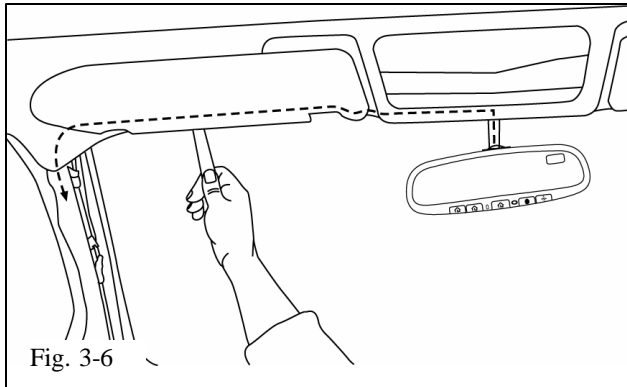
(3) Be sure the mirror has full range of movement.



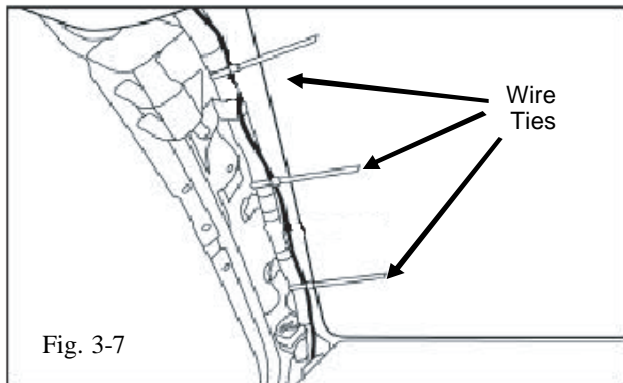
(f) Plug end of supplied jumper wire into ACC wire of EC mirror harness. (Fig. 3-5)

(1) Locate the Black/White-striped (ACC) wire of EC mirror harness.

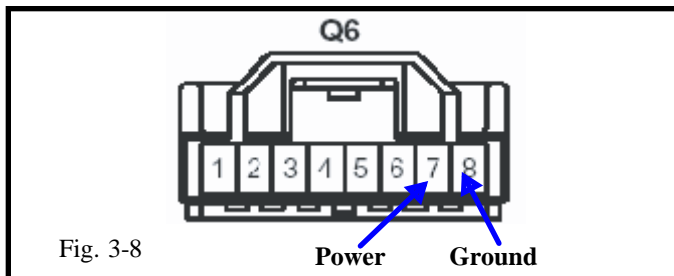
(2) Plug jumper wire into terminal on ACC wire, ensuring that terminals are securely interlocked.



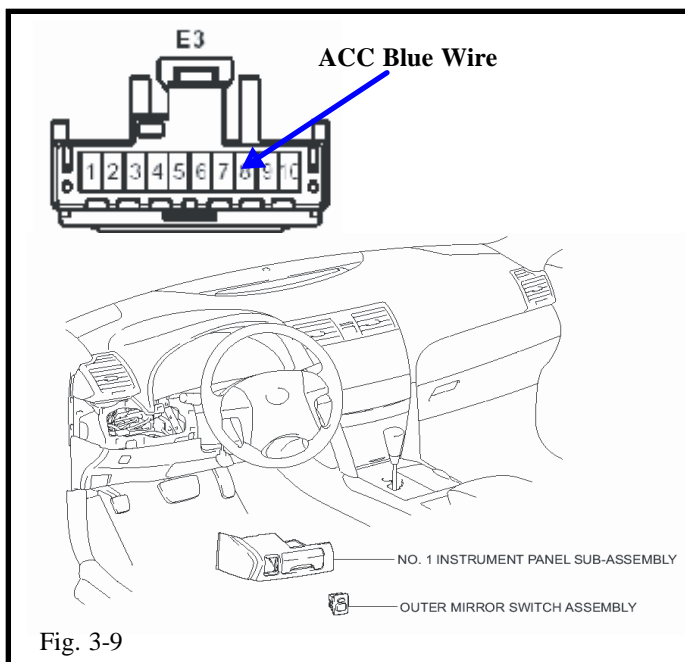
- (g) Route jumper wire between headliner and roof and down driver-side A-pillar. (Fig. 3-6)



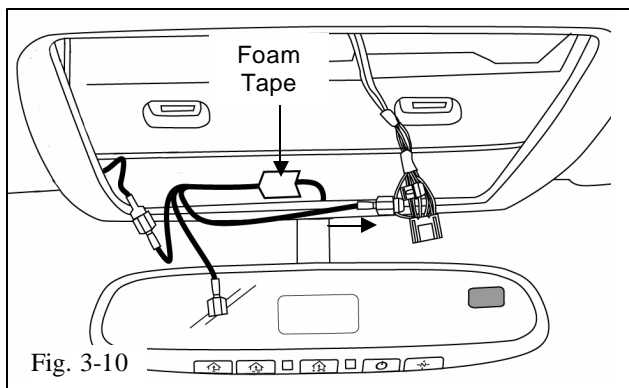
- (h) Secure jumper wire to factory harness with three wire ties. (Fig. 3-7)



- (i) Locate the White wire (Constant power) in pin # 7 and the White wire (GND) in pin # 8, in the 8-pin connector Q6 from overhead console. (Fig. 3-8)
- (j) Attach one red T-tap to the White wire in pin #8. (Fig. 3-8)
- (1) Make sure T-tap halves are snapped together.
- (k) Attach one red T-tap to the White wire in pin #7. (Fig. 3-8)
- (1) Make sure T-tap halves are snapped together.



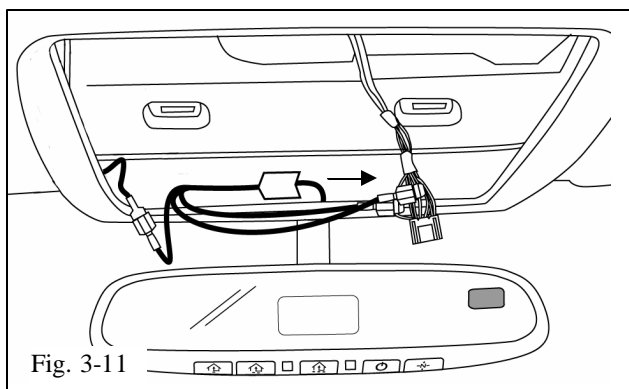
- (l) Locate outer mirror switch assembly and attach (1) Red T-Tap to Blue wire Pin # 8 in connector E3. (Fig. 3-9)
- (1) Make sure T- tap halves are snapped together.
- (2) Plug the Black wire with White stripe (Ignition wire) from mirror harness into T-Tap on the Blue wire.



(m) Secure Black/White-striped wire of EC mirror harness to inside of headliner with one piece of foam tape. (Fig. 3-10)

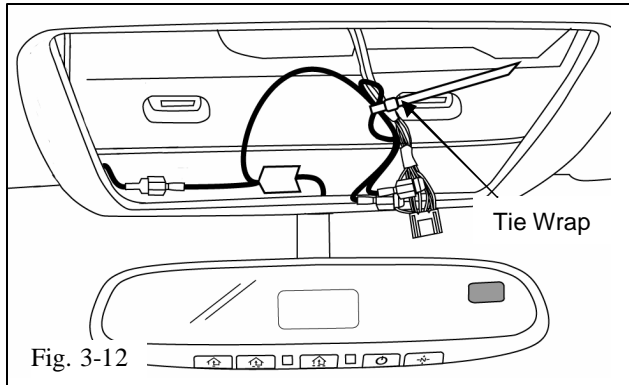
(n) Plug the middle black wire (GND) from mirror harness into the T-tap on the White wire (pin #8) of the 8-pin overhead console connector. (Fig. 3-10)

NOTE: Be sure to use the correct wire from EC mirror harness (middle wire)



(o) Plug the outside black wire (Constant power) from mirror harness into the T-tap on the White wire (pin #7) of the 8-pin overhead console connector. (Fig. 3-11)

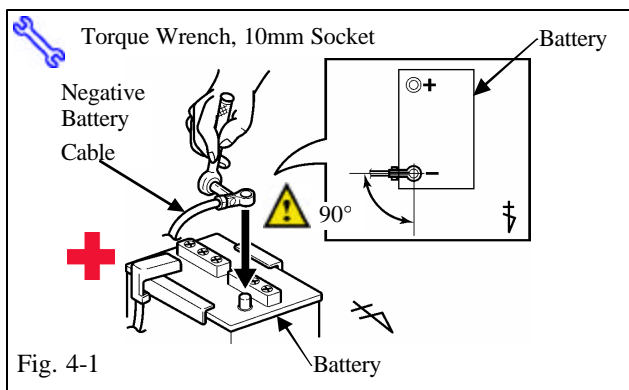
NOTE: Be sure to use the correct wire from EC mirror harness (outside wire)



(p) Secure Ground and Constant power wires to 8-pin connector wires with one tie wrap. (Fig. 3-12)

(1) Cut excess material from all wire ties.

(q) Re-attach all connectors to overhead console.



4. Reconnect Negative Battery Cable.

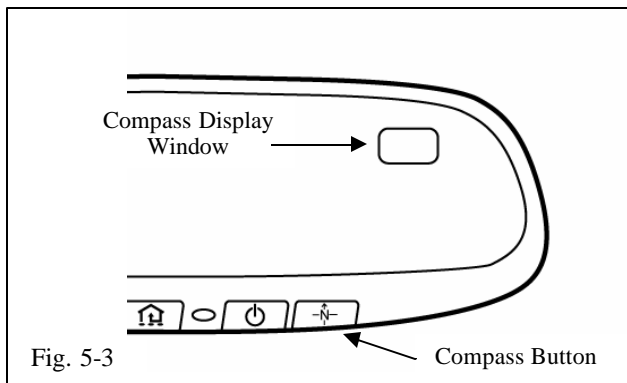
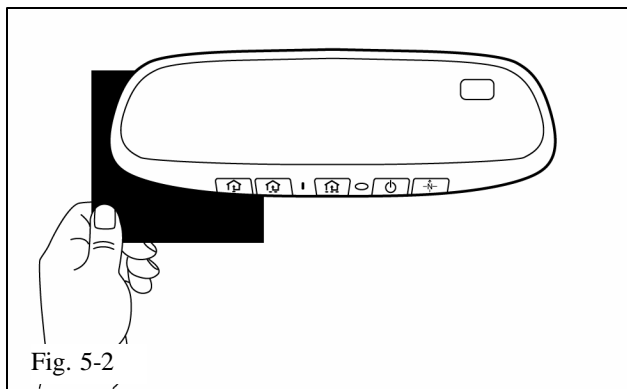
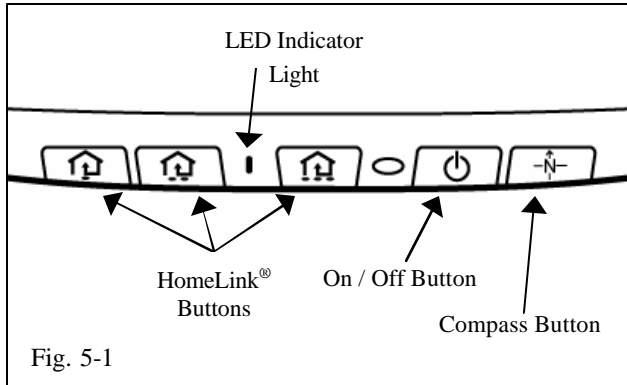
(a) Reconnect the vehicle's negative battery cable. (Fig. 4-1)



(1) Tighten the nut to 36 in. lbs..



(2) Do not touch the positive terminal with any tool when replacing the cable.



5. 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. 5-1)

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.

(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. 5-2)
- (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. 5-3)
- (2) Turn ignition OFF.


6. 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.

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

Check:	Look For:
<p><u>Accessory Function Checks</u></p> <p>Vehicle should be in a fairly well lit area.</p> <p>HomeLink® feature:</p> <p><input type="checkbox"/> Push in HomeLink® switches with key in AND out of the key slot.</p> <p>Turn ignition (ACC power) to ON.</p> <p>Auto-dimming feature:</p> <p><input type="checkbox"/> Cover the forward-looking light sensor (located below the wire harness connection on the back of the mirror).</p> <p>Mirror clears:</p> <p><input type="checkbox"/> Remove cover from photocell.</p> <p>Compass Feature:</p> <p><input type="checkbox"/> Push the Compass Button.</p> <p><input type="checkbox"/> Operation Instruction Card</p> <p><input type="checkbox"/> HomeLink® Programming Instructions</p>	<p>Verify LED indicators turns red.</p> <p>Verify green LED is on. If it is not ON press On / Off button - confirm LED is ON.</p> <p>Verify mirror darkens.</p> <p>Mirror returns to clear state.</p> <p>"C" is displayed.</p> <p>Placed in the vehicle glove box.</p> <p>Placed in the vehicle glove box</p>
<p><u>Vehicle Function Checks</u></p> <p><input type="checkbox"/> Check dome light</p> <p> <input type="checkbox"/> Check battery negative cable</p>	<p>Verify dome light functions properly.</p> <p>Nut should be tightened to (36 in. lbs.).</p>