

Part Number: PT374-42060

Kit Contents

Item #	Quantity Reqd.	Description
1	1	AD Mirror Assembly w/ Compass
2	1	Hardware bag

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	2	T-tap Connectors, Red 3M™
2	1	Wire Cover
3	1	EC Wire Harness
4	3	Foam Tape
5	1	Operation Instruction Card

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1		

Conflicts

Vehicles without sunroof.

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 lbf-in
Scissors	
Side Cutters	

NOTE: Part number of this accessory may not be the same as the part number shown.

Special Chemicals	Notes
Cleaner	Household Windex

General Applicability

Sunroof models only

Recommended Sequence of Application

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

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	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.
 SAFETY TORQUE: This mark indicates that torque is related to safety.

Procedure

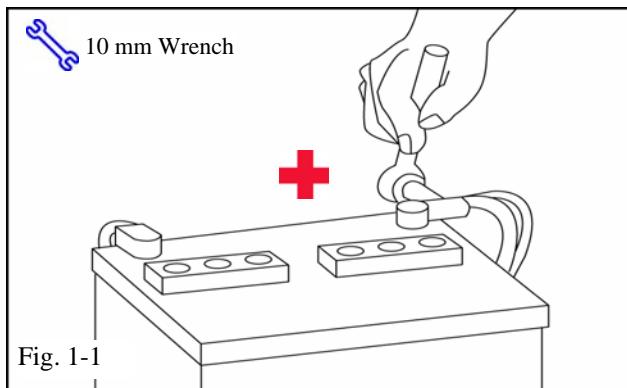
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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

This document covers such items as:-

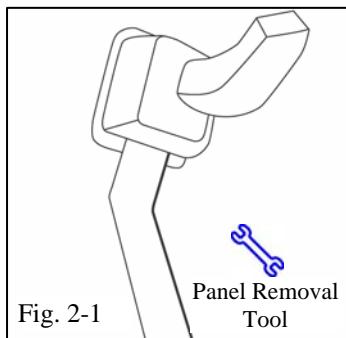
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

Please see your Toyota dealer for a copy of this document.



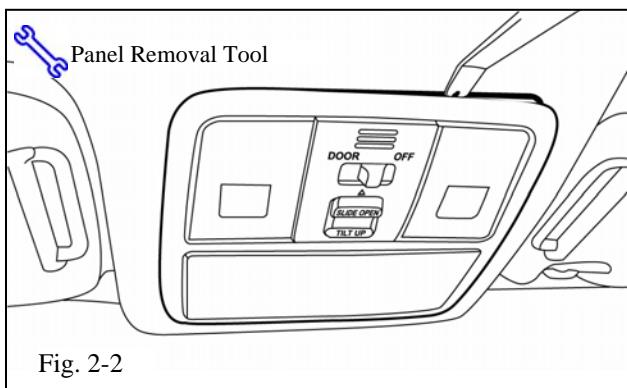
1. Remove Battery Cable.

- (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) Insert tip of panel removal tool into mirror base to release mirror from button.
(Fig. 2-1)



- (b) With a panel removal tool, pry down on the rear edge of the overhead dome light assembly. (Fig. 2-2)

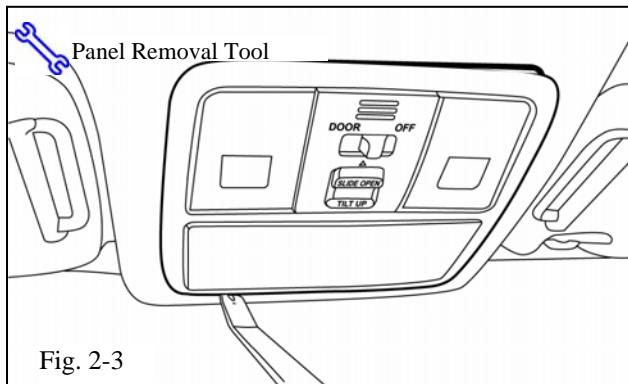


Fig. 2-3

(c) With a panel removal tool, pry down on the front edge of the overhead dome light assembly. (Fig. 2-3)

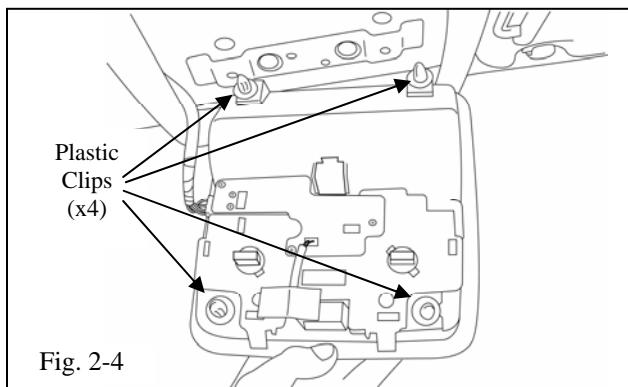


Fig. 2-4

(d) Ensure that all (4) plastic clips are removed with overhead dome light assembly. (Fig. 2-4)

(1) Remove any plastic clips left in overhead area and reattach to dome light assembly if necessary.

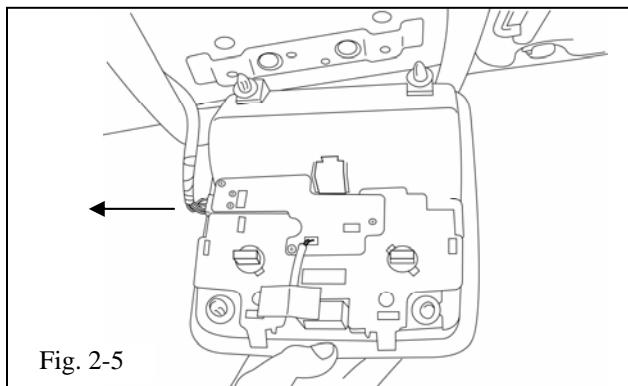


Fig. 2-5

(e) Remove 12-pin connector from dome light assembly. (Fig. 2-5)

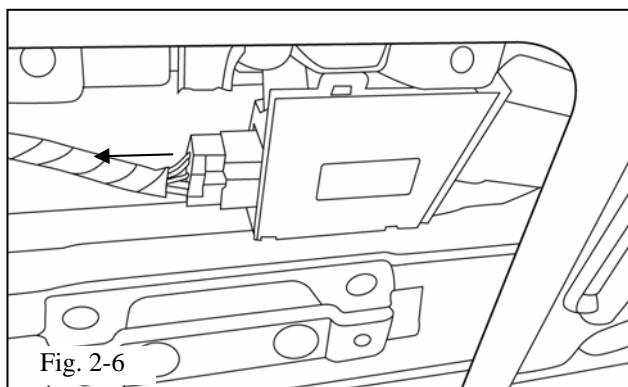
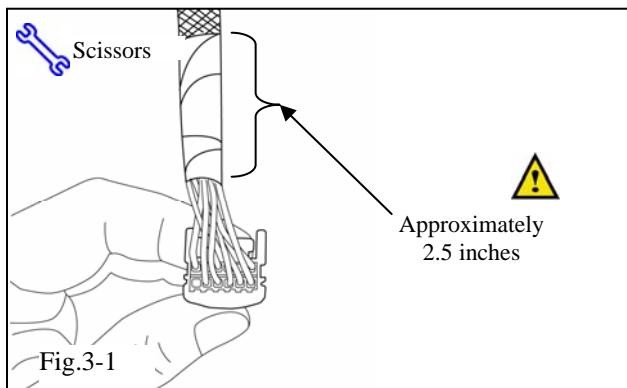


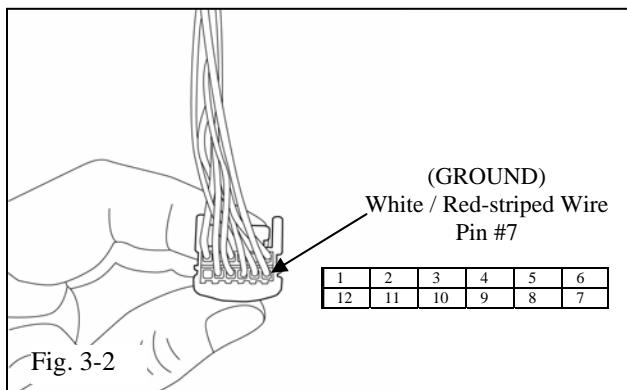
Fig. 2-6

(f) Remove 10-pin connector from sunroof motor. (Fig. 2-6)



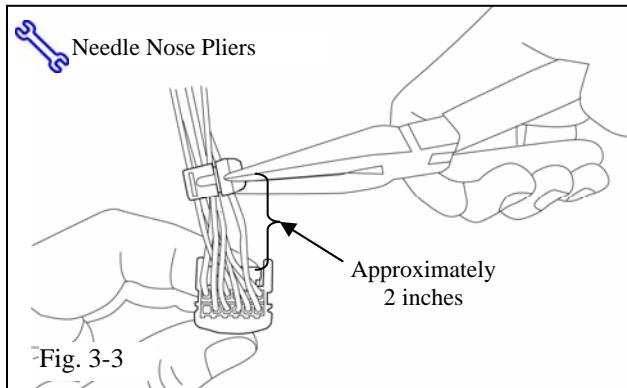
3. Wire harness and mirror installation.

! (a) Using scissors, carefully cut back and remove approximately 2.5 inches of tape and covering of the 12-pin connector. (Fig. 3-1)



(b) Identify GROUND connection wire in the 12-pin connector from the overhead dome light assembly. (Fig. 3-2)

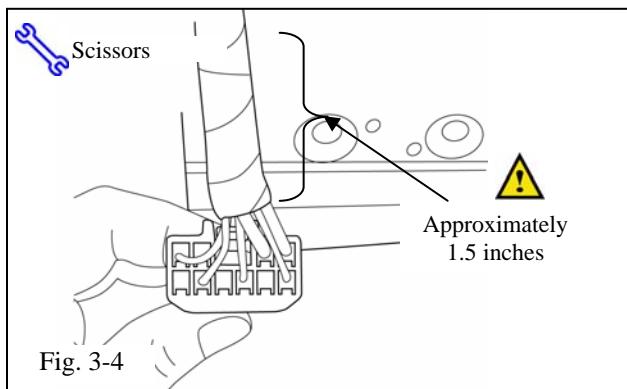
(1) Locate White / Red-striped wire (GROUND) in pin #7.



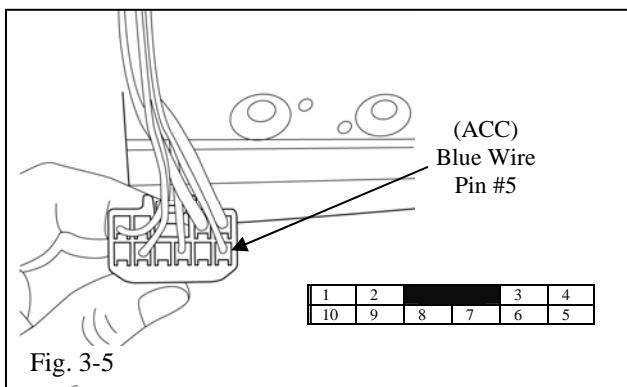
(c) Apply red T-tap connector to White / Red-striped wire (Pin #7) with needle nose pliers. (Fig. 3-3)

(1) Apply T-tap connector approximately 2 inches back from connector.

(2) Make sure T-tap halves are snapped together.



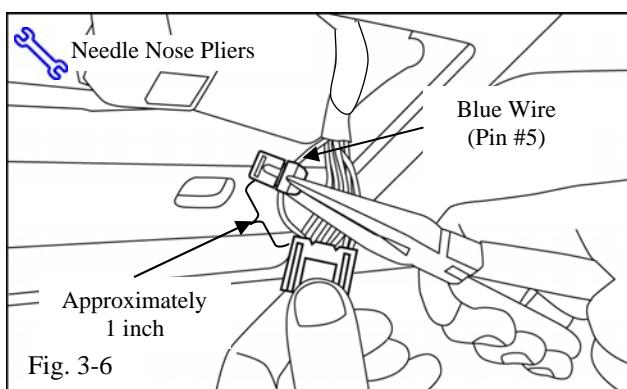
! (d) Using scissors, carefully cut back and remove approximately 1.5 inches of tape and covering of the 10-pin connector. (Fig. 3-4)



(e) Identify IG-ON connection wire in the 10-pin connector from the sunroof motor.

(Fig. 3-5)

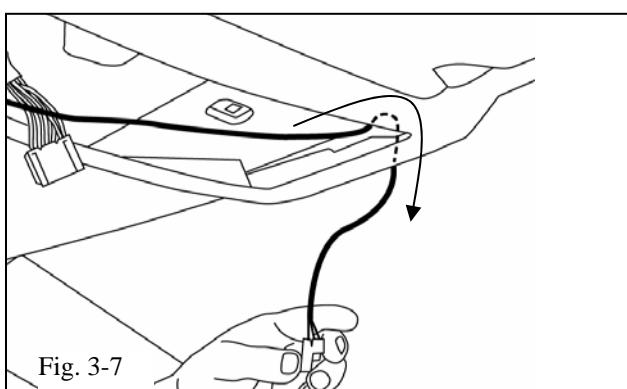
(1) Locate Blue wire (IGN) in pin #5.



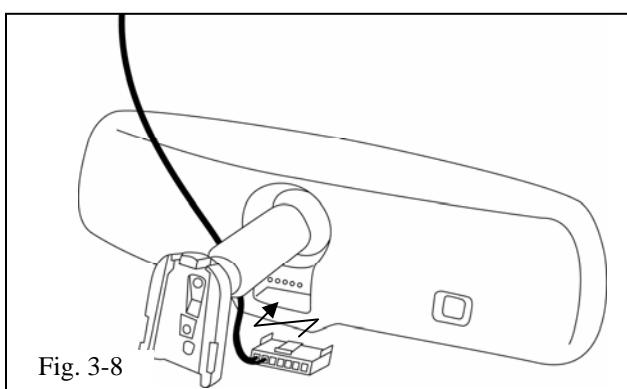
(f) Apply red T-tap connector to Blue wire (Pin #5) with needle nose pliers. (Fig. 3-6)

(1) Apply T-tap approximately 1 inch back from connector.

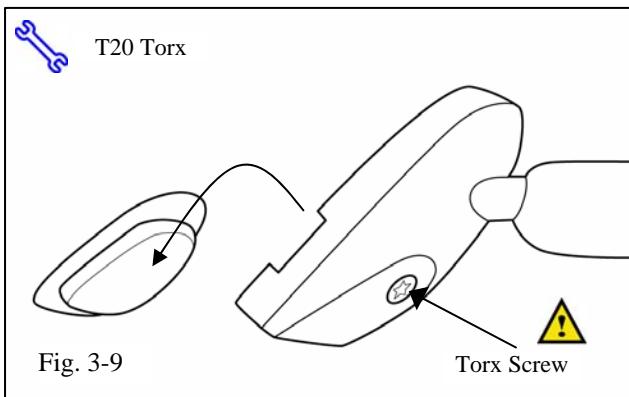
(2) Make sure T-tap halves are snapped together.



(g) Carefully route mirror harness through overhead console opening and between vehicle roof and headliner. (Fig. 3-7)



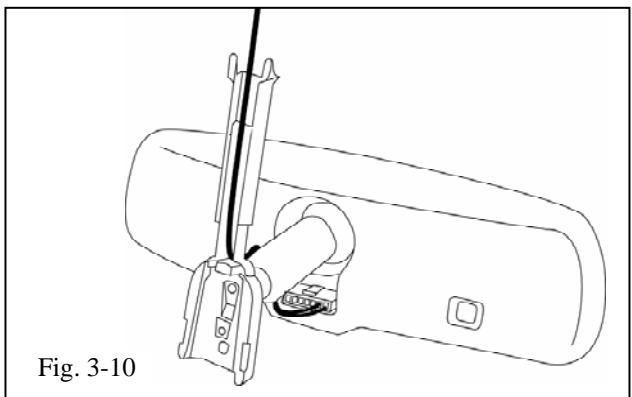
(h) Plug wire harness 10-pin connector into the back of mirror. (Fig. 3-8)



(i) Slide the EC mirror onto the mounting button on windshield. (Fig. 3-9)

⚠ (j) Tighten the screw in the mirror mounting bracket with torque wrench to 1.75 N·m (15.5 lbf-in).

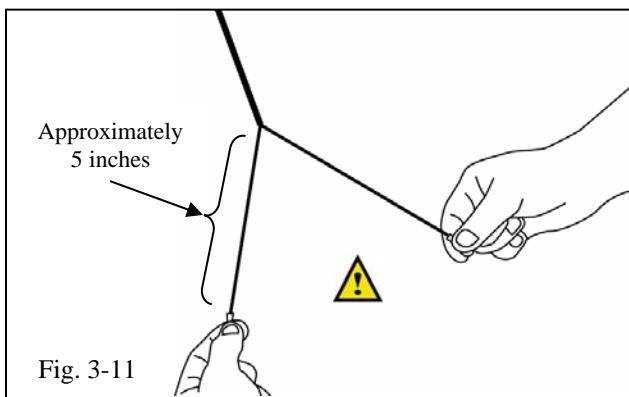
(k) Slide the wire harness cover over the wire harness and extend to completely cover wire harness. (Fig. 3-10)



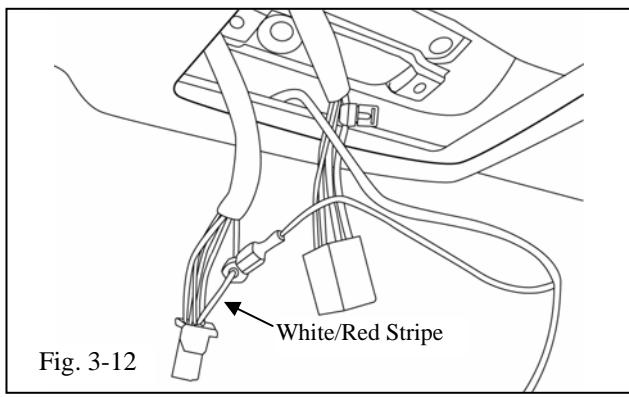
(1) Be sure the bottom of cover is securely mounted to base.

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

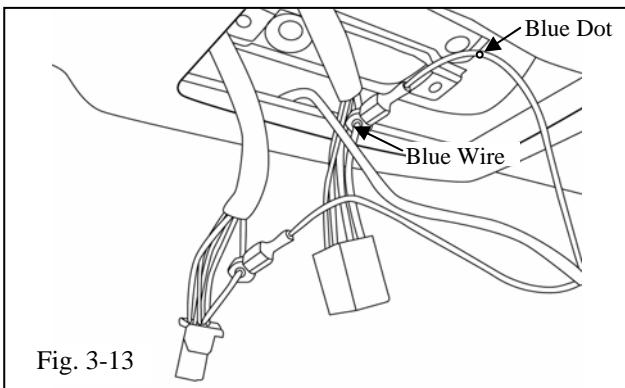
(3) Be sure the mirror has full range of movement.



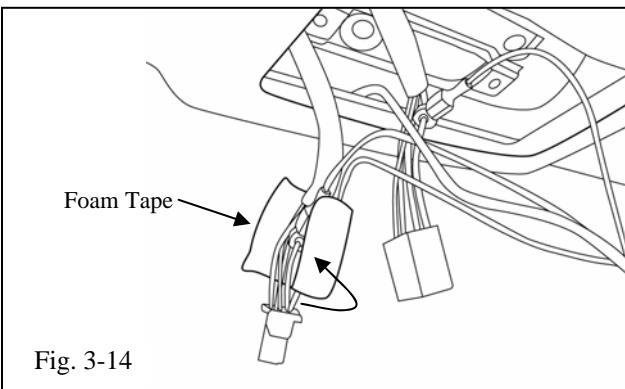
⚠ (l) Carefully pull the 2 wires of the EC mirror harness apart, approximately 5 inches. (Fig. 3-11)



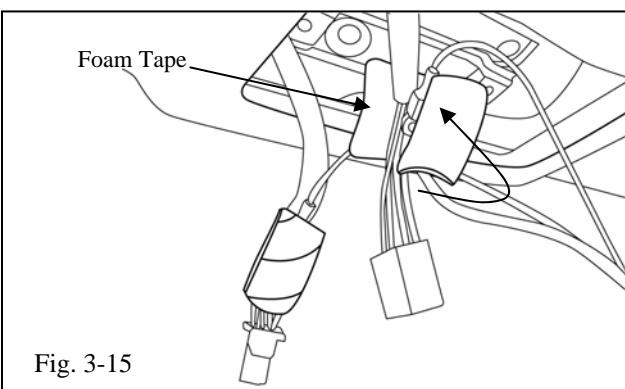
(m) Plug the black wire without the blue dot (GROUND) into the T-tap connector on the White / Red-Striped wire (Pin #7) of the 12-pin connector from the overhead dome light assembly. (Fig. 3-12)



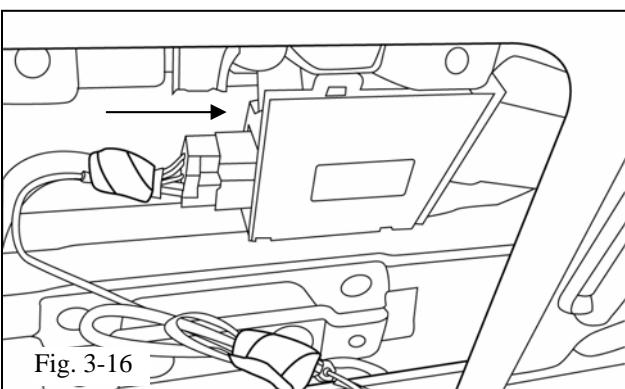
(n) Plug the black wire with the blue dot (IGN) into the T-tap connector on the Blue wire of the 10-pin connector from the sunroof motor. (Fig. 3-13)



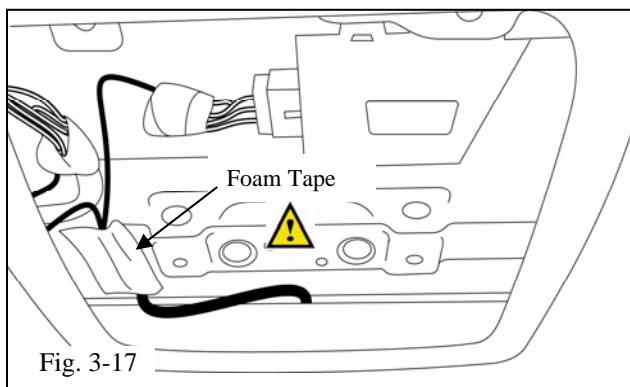
(o) Wrap T-tap connector and EC mirror harness connector on 12-pin connector with 1 piece of foam tape. (Fig. 3-14)



(p) Wrap T-tap connector and EC mirror harness connector on 10-pin connector with 1 piece of foam tape. (Fig. 3-15)

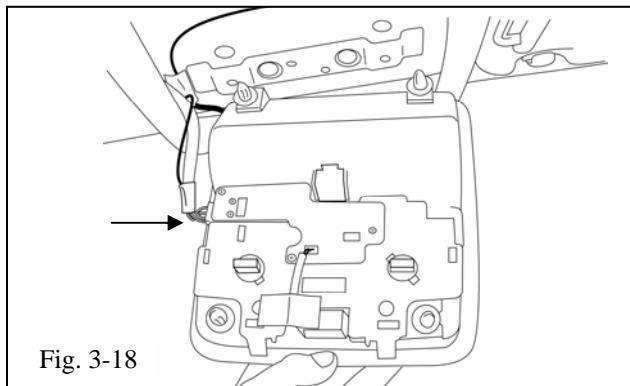


(q) Plug 10-pin connector into sunroof motor. (Fig. 3-16)

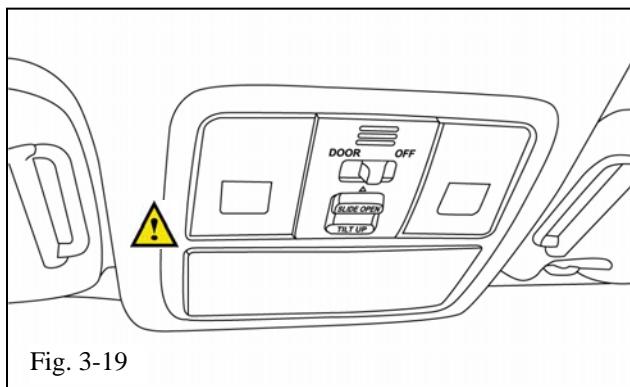


(r) Apply 1 piece of foam tape to secure wire harness to roof in overhead console area. (Fig. 3-17)

NOTE: Be sure NOT to cover any holes / openings with foam tape.



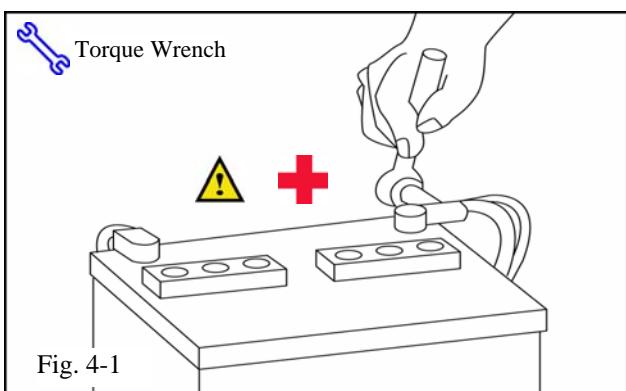
(s) Plug 12-pin connector into overhead dome light assembly. (Fig. 3-18)



(t) Reinstall overhead dome light assembly. (Fig. 3-19)

(1) Tuck any excess wire harness into the driver-side of the overhead console area.





4. Reconnect Negative Battery Cable.

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

⚠ (1) Tighten the nut to 4.1 N·m (36 lbf-in).

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

5. Testing.

(a) Turn ignition switch to ON.

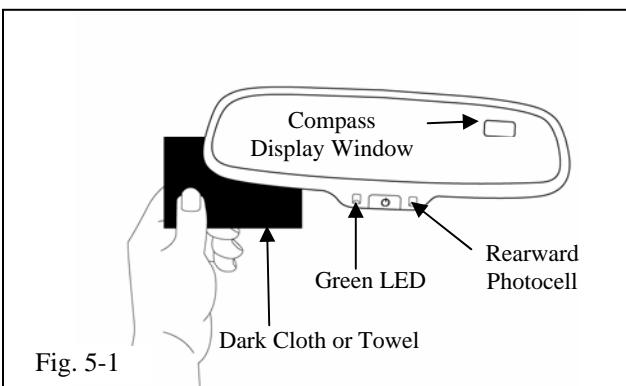
(b) With the vehicle in a fairly well lit area, perform the following test:

(c) 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 for 3 seconds, or until the LED is illuminated.
- (2) Cover the forward-looking light sensor located on the back of the mirror with a dark cloth or towel. (Fig. 5-1)
- (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.

(d) Compass Feature:

- (1) Push and release the "On/Off" button in less than 3 seconds to toggle the directional heading display On and Off.
- (2) Compass is enabled when a direction or a "C" appears in the mirror display window.
- (3) Turn ignition OFF.



6. Final Assembly.

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

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

Check:

Look For:

Accessory Function Checks

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 below the wire harness connection on the back of the mirror).

Mirror clears:

Remove cover from photocell.

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

Verify mirror darkens.

Compass Feature:

Push the "ON/Off" Button.

Mirror returns to clear state.

"C" is displayed.

Operation Instruction Card

Placed in the vehicle glove box.

Vehicle Function Checks

Check dome light

Verify dome light functions properly.

Check Sunroof

Verify sunroof functions properly.



Check battery negative cable

Nut should be tightened to 4.1 N·m (36 lbf-inch).