

TOYOTA

PRIUS

2010 -

EC REARVIEW MIRROR

Preparation

Part Number: 00016-47010

Accessory Code: CM6

**Kit Contents**

Item #	Quantity Req'd.	Description
1	1	AD Mirror Assembly w/ Homelink
2	1	Hardware bag

Hardware Bag Contents

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

Additional Items Required For Installation

Item #	Quantity Req'd.	Description

Conflicts

Vehicles with OE auto dimming mirror

Recommended Tools

Personal & Vehicle Protection	Notes
Blankets, Towels	
Special Tools	Notes
None	
Installation Tools	Notes
Ratchet	
Socket	10 mm
Screwdriver	Phillip's #2
Torx Head Driver	T20
Pliers	Needle Nose
Side cutters	
Dremel Tool	
Nylon Panel Removal Tool	e.g. Panel Pry Tool #1 Toyota SST# 00002-06001-01
Dark Towel or Cloth	For Testing
Torque Wrench	48 in-lbs
Wire fishing tool	(Optional)

Special Chemicals	Notes
Cleaner	VDC approved

General Applicability

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Recommended Sequence of Application

Item #	Accessory
1	EC Rearview Mirror

*Mandatory

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Req'd.	Description

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.

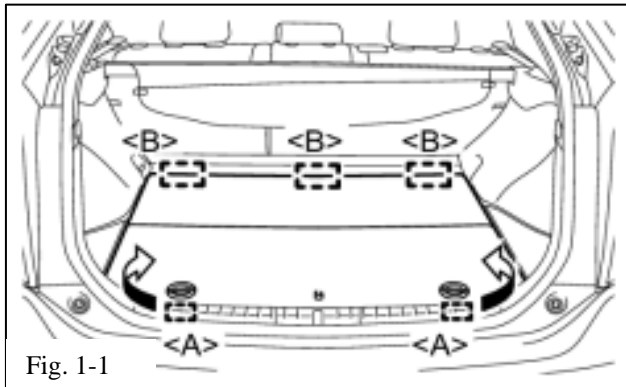
Procedure

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:

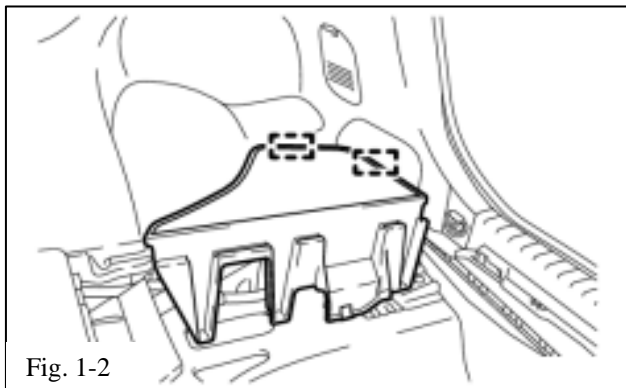
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).



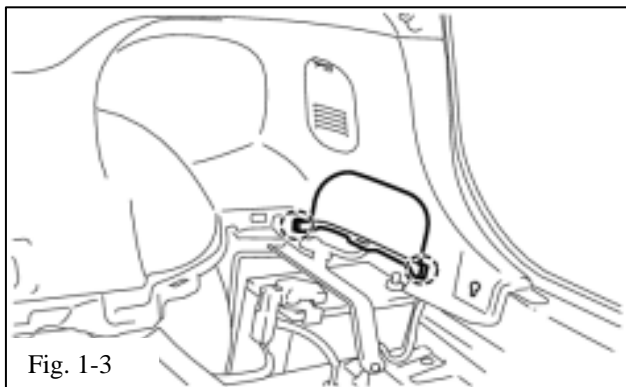
1. Remove Battery Cable.



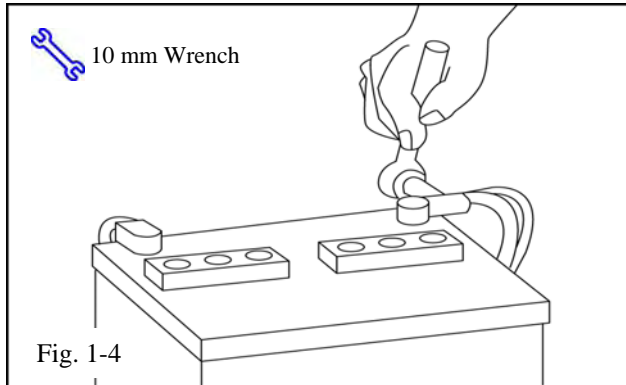
- (a) Protect fender before starting.
- (b) Disengage the two (2) guides <A> as shown in the illustration. (Fig. 1-1)
- (c) Disengage the three (3) guides and remove the floor board. (Fig. 1-1)
- (d) Remove the rear deck floor box.



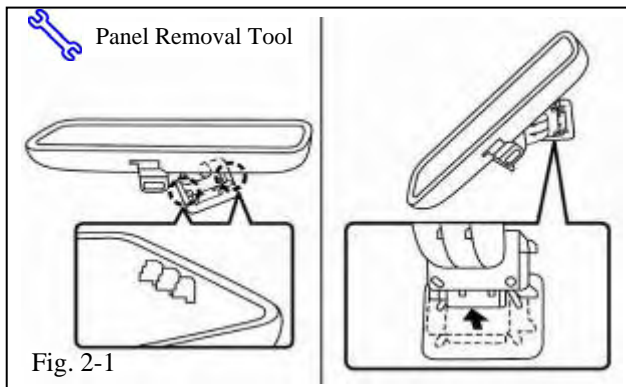
- (e) Disengage the two (2) guides and remove the rear floor board. (Fig. 1-2)



- (f) Disengage the 2 claws and remove the rear floor board plate upper. (Fig. 1-3)

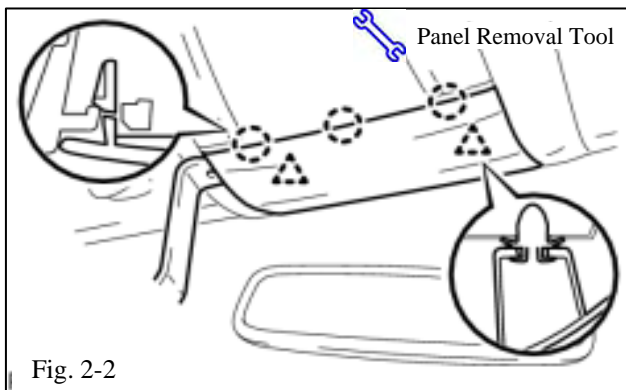


- + (g) Do not touch the positive terminal with any tool when removing cable.
- (h) Remove the negative battery cable.
(Fig. 1-4)

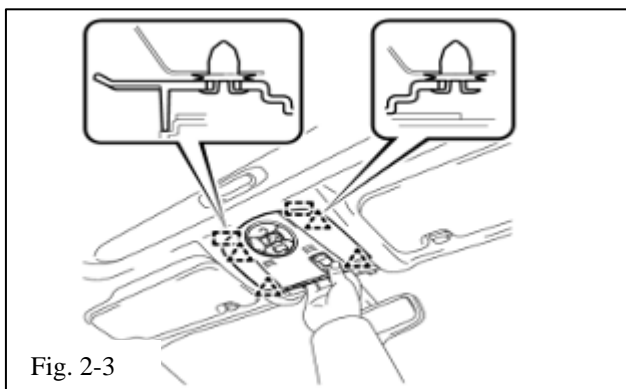


2. Vehicle Disassembly.

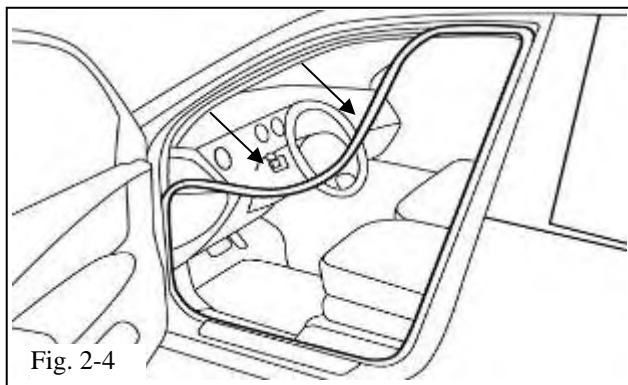
- (a) Remove the OE mirror.
 - (1) Disengage the two (2) claws and remove the mirror cover from the mirror base.
(Fig. 2-1)
 - (2) Pull the lever in the direction indicated by the arrow shown in the illustration and slide the inner rear view mirror assembly upward to remove it. (Fig. 2-1)



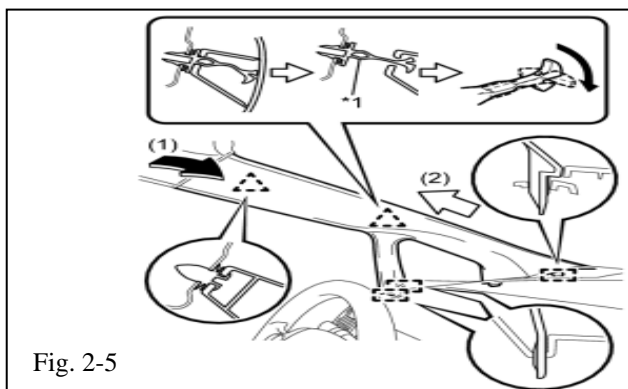
- (b) Using panel removal tool, disengage the three (3) claws and two (2) clips, and remove the roof top molding. (Fig. 2-2)



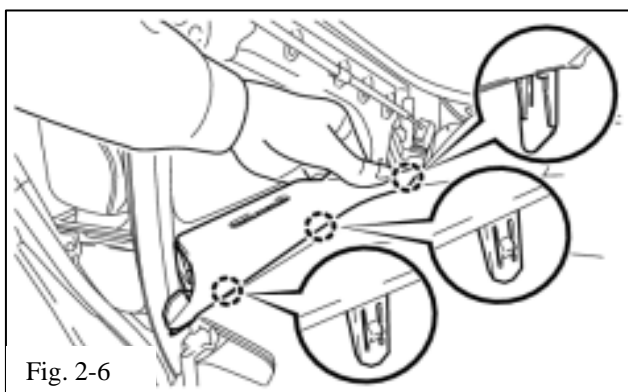
- (c) Using panel removal tool, remove map light assembly from headliner. (Fig. 2-3)
 - (1) Disconnect the map light connector.



- (d) Pull weather-stripping down past top of A-pillar garnish. (Fig. 2-4)



- (e) Detach A-pillar garnish from body.
- (1) Pull the upper part of the garnish toward the inside of the cabin and disengage the two (2) clips. (Fig. 2-5)
 - (2) Put masking tape around the jaws of the needle-nose pliers to prevent clip damage.



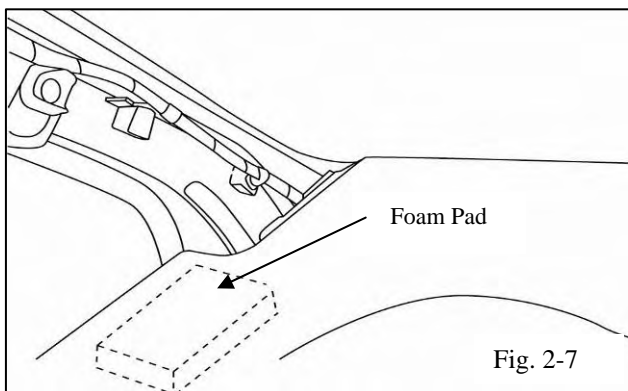
- (3) Using needle-nose pliers, rotate the center portion of the clip 90°, then pull the pillar garnish to release the tip of the clip from the pillar garnish. (Fig. 2-5)

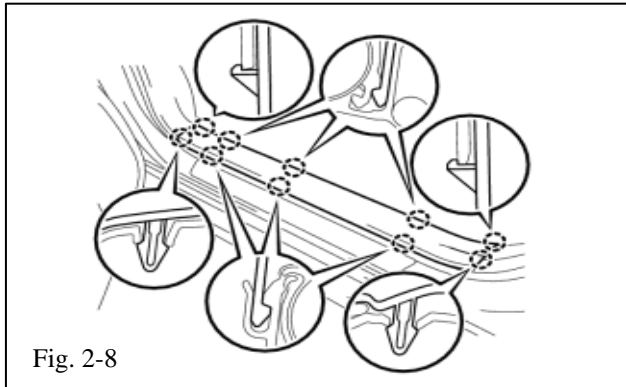
- STOP** (4) DO NOT remove the clip from the A-pillar body. If the clip shows any signs of damage or is removed from the body, replace with a new clip.

- (5) Disengage the three (3) guides and remove the front pillar garnish. (Fig. 2-8)

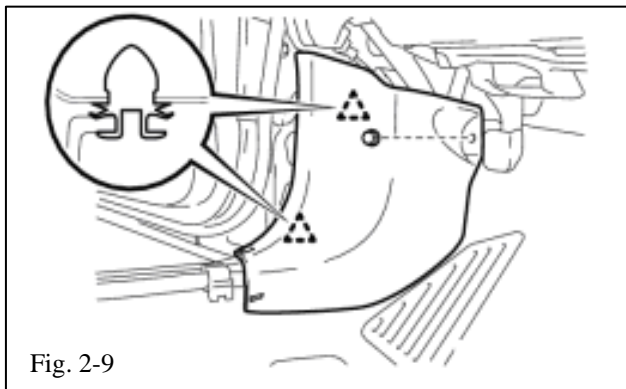
- (f) Disengage the three (3) claws and front pillar garnish corner piece as shown in illustration. (Fig. 2-6)

- (g) Temporarily remove foam pad from under dash, near A-pillar, in order to route harness. (Fig. 2-7)

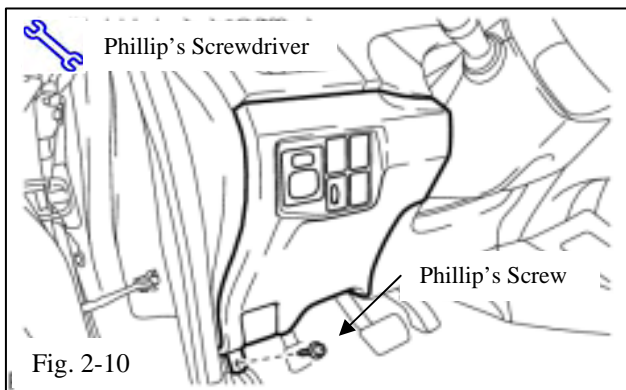




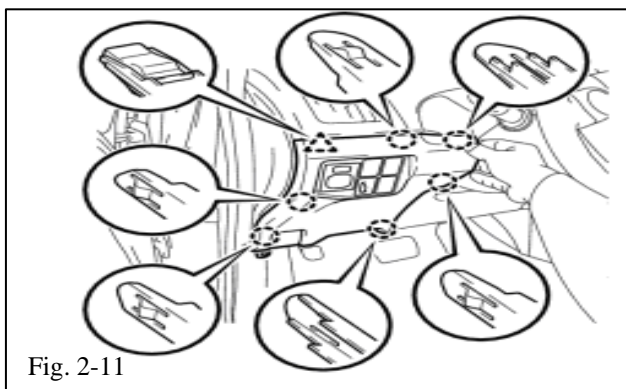
- (h) Remove the driver side inner door scuff plate. (Fig. 2-8)



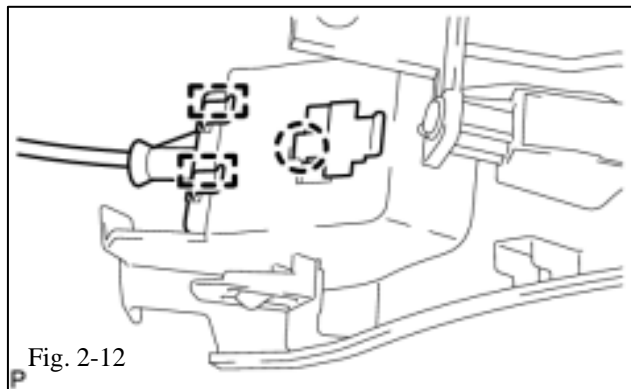
- (i) Remove the driver side cowl cover. (Fig. 2-9)



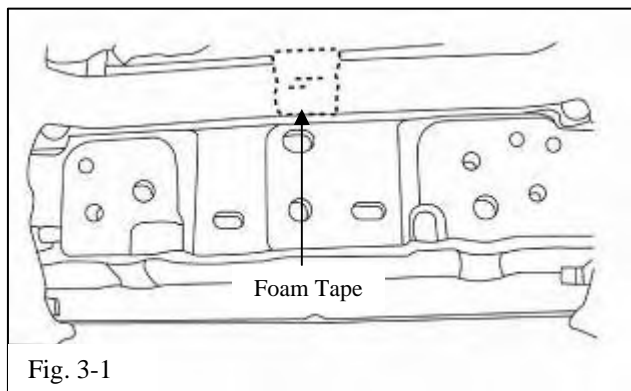
- (j) Remove the Lower IP panel.
- (1) Remove the Phillip's screw from the lower IP as shown in illustration. (Fig. 2-10)



- (2) Disengage the six (6) claws and clip as shown in the illustration. (Fig. 2-11)
- (3) Disconnect all applicable connectors.

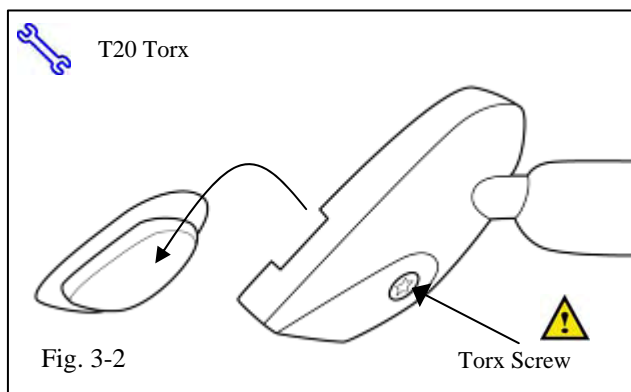


- (4) Disengage the claw and 2 guides and disconnect the hood lock control cable. (Fig. 2-12)



3. Wire Harness and Mirror Installation.

- (a) Place one (1) piece of foam tape to inside center of overhead bracket as shown to prevent damage to EC harness during routing. (Fig. 3-1)

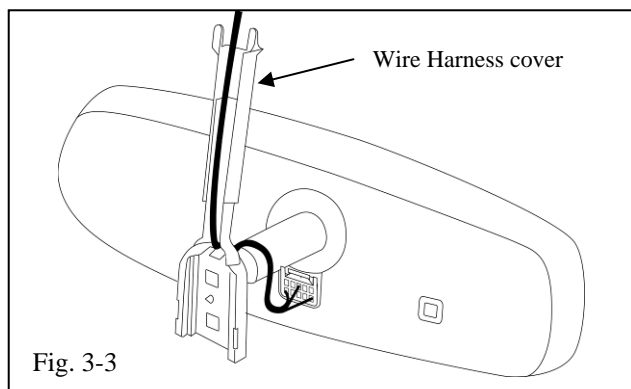


- (b) Slide the EC mirror onto the mounting button on windshield. (Fig. 3-2)



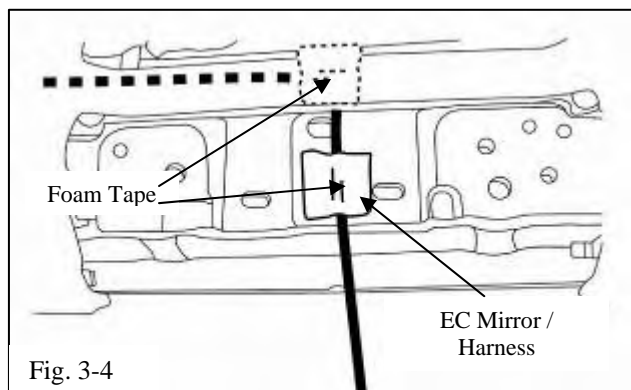
- (1) Tighten the screw in the mirror mounting bracket with torque wrench to 1.75 N-m (15.5 lbf-in).

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



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

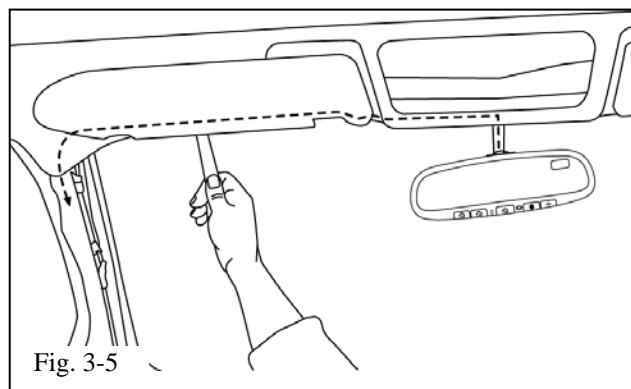
- (1) Be sure the bottom of cover is securely mounted to base.
(2) Be sure top of cover is fully extended into headliner.
(3) Be sure the mirror has full range of movement.



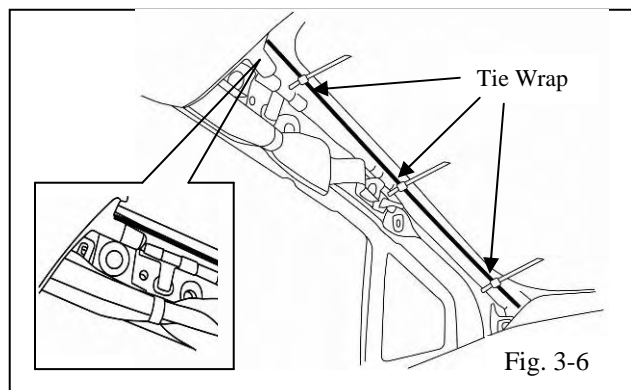
(e) Route EC harness into overhead compartment toward driver side A-pillar.

(1) Secure harness to overhead body with one (1) piece of foam tape. (Fig. 3-4)

(2) Secure harness over previously placed foam tape (from step 3a) with one (1) piece of foam tape. (Fig. 3-4)



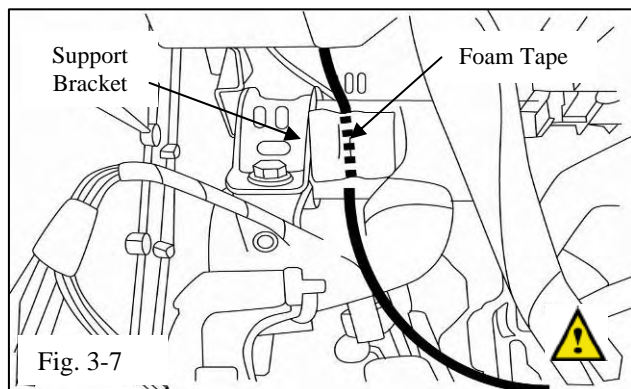
(f) Route wire harness between headliner and roof and down driver-side A-pillar. (Fig. 3-5)



(g) Route harness down vehicle A-pillar above the OE harness. Secure the harness to the OE harness with three (3) tie wraps. (Fig. 3-6)



(1) Verify mirror harness will not interfere with airbag deployment.



(h) Carefully route harness through center dash panel, over the support bracket and secure with one (1) piece of foam tape. (Fig. 3-7)



(1) Use care when routing through the center dash, as there are many sharp edges. (Fig. 3-7)

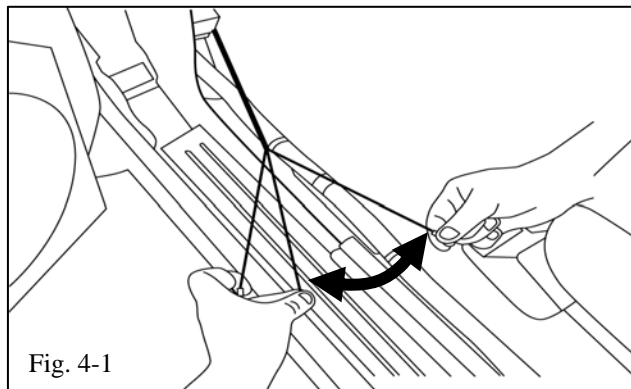


Fig. 4-1

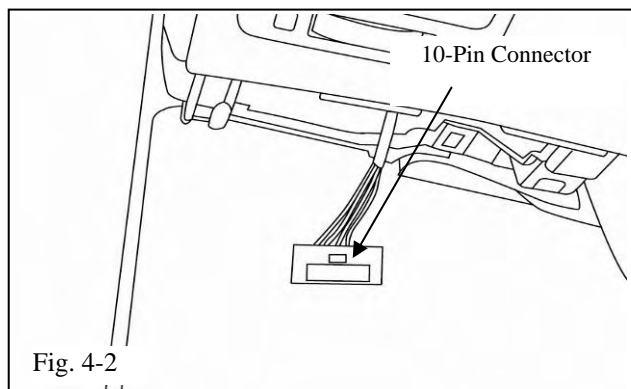


Fig. 4-2

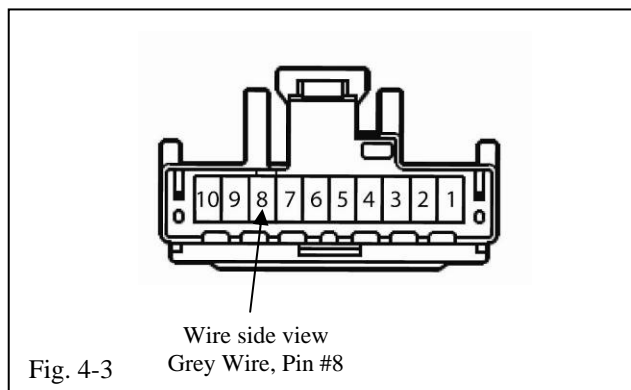


Fig. 4-3

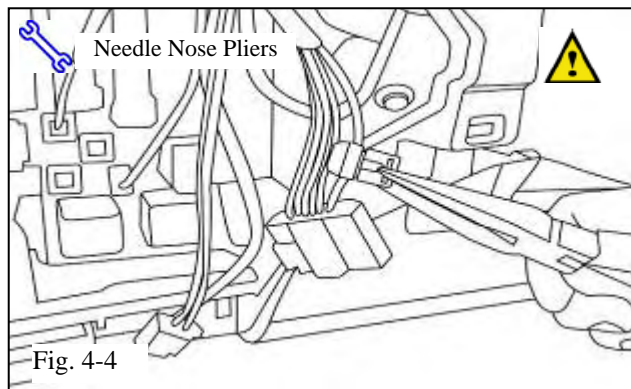


Fig. 4-4

4. Install T-Taps.

- (a) Pull EC harness wires apart approximately 8 inches. (Fig. 4-1)

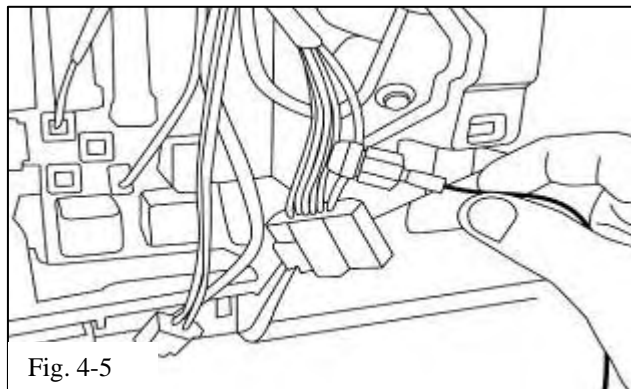
- (b) Locate the disconnected 10 pin Outer Mirror Switch connector. (Fig. 4-2)

- (c) Locate the GREY wire in pin #8 on the 10 pin connector. (Fig. 4-3)

- (d) Attach T-tap connector to GREY wire (pin #8) on the 10 pin connector with needle nose pliers about 1 inch from the connector. (Fig. 4-4)



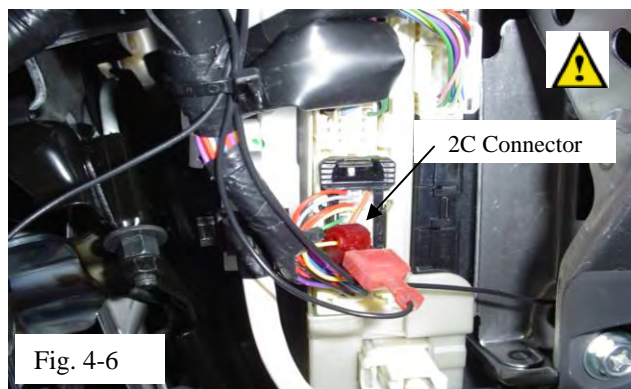
- (1) Ensure both halves of T-tap connector are snapped together.



- (e) Plug the **BLACK / WHITE STRIPED** wire spade end of the EC mirror harness into T-tap connector on the **GREY** wire. (Fig. 4-5)



- (1) Ensure that the spade end is properly seated in the T-tap.



- (f) Locate the 2C connector on the junction block. (Fig. 4-6)
- (g) Locate the **YELLOW** wire in pin #18 on the 2C connector. (Fig. 4-6)
- (h) Attach T-tap connector to **YELLOW** wire (pin #18) on the 2C connector with needle nose pliers about 1 inch from the connector. (Fig. 4-6)

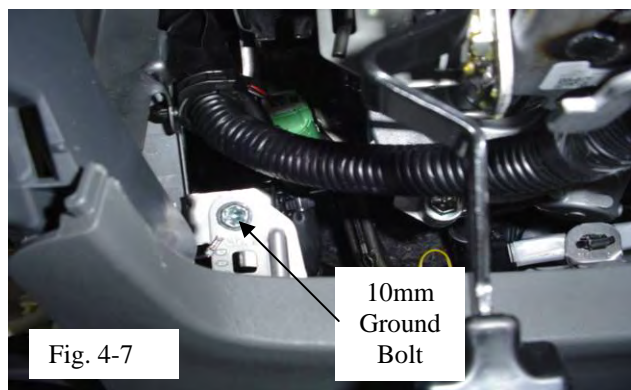


- (1) Ensure both halves of T-tap connector are snapped together.

- (i) Plug the **BLACK** wire spade end of the EC mirror harness into T-tap connector on the **YELLOW** wire. (Fig. 4-6)



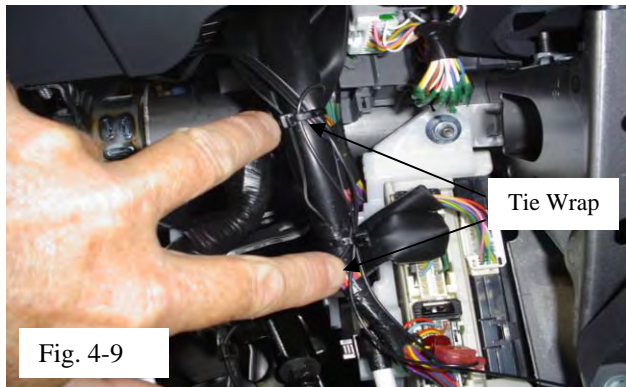
- (1) Ensure that the spade end is properly seated in the T-tap.



- (a) Locate 10mm ground bolt on left side of steering column. (Fig. 4-7)
- (b) Attach mirror harness ring terminal to ground bolt and reinstall.

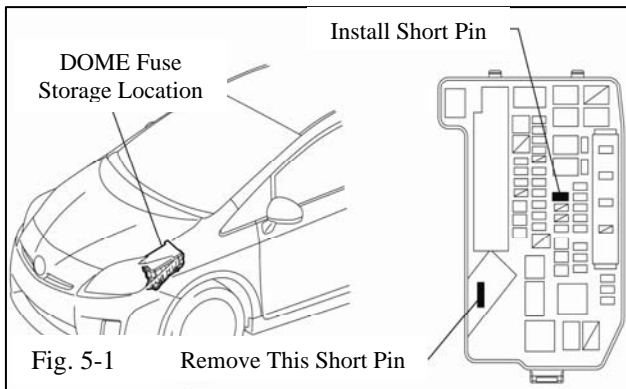


- (a) Bundle any excess black / white harness wire and secure it to the Outer Mirror Switch connector harness as shown with one (1) tie wrap. (Fig. 4-8)

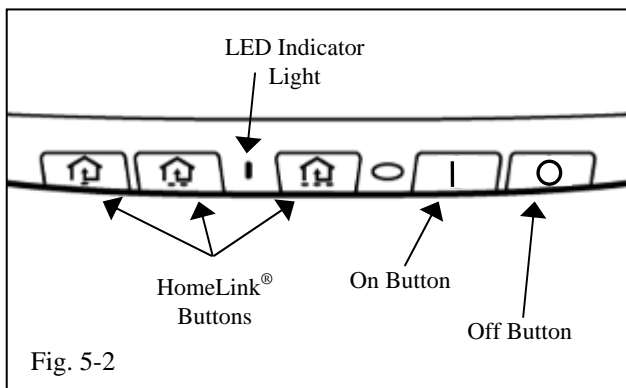


- (b) Bundle any additional harness wire and secure it to the junction block harness as shown with two (2) tie wraps. (Fig. 4-9)

5. Testing.



- (a) If required, install the short pin located in the engine compartment DOME fuse storage location. (Fig. 5-1)
- (b) Temporarily reconnect the negative battery terminal.
- (c) If necessary, locate and install the short pin.
- (d) HomeLink® Feature:

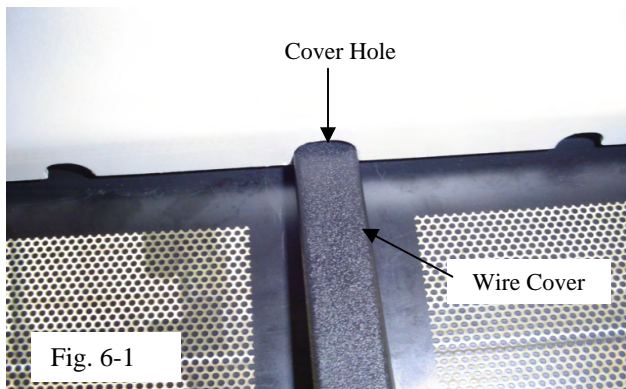
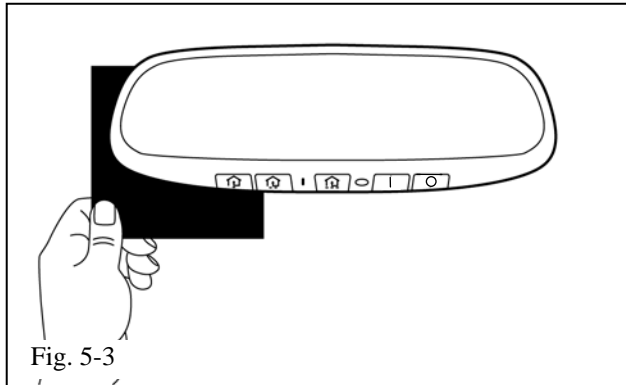


- (1) Push in HomeLink® switches, one at a time. Verify that the LED Indicator light is red when each switch is pushed. (Fig. 5-2)

HomeLink® and the HomeLink® house are registered trademarks of Johnson Controls, Inc.

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.

- (e) Turn ignition switch to ON.
- (f) With the vehicle in a fairly well lit area, perform the following test:
- (g) 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" 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. 5-3)
- (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.

- (h) Turn the ignition OFF.
- (i) Disconnect the negative battery terminal.

6. Final Assembly.

- (a) Trim excess off all tie wraps.
- (b) Re-install the driver side sun visor assembly, visor clip, and hinge cover.
- (c) Reconnect the map light connector and install the overhead console.
- (d) Re-install roof top molding.
 - (1) For vehicle's that have access holes cut into the molding, ensure the wire cover is placed through the hole and butted up against the cover. (Fig. 6-1)
- (e) Re-install the driver side IP.
 - (1) Reconnect any disconnected connectors.
- (f) Re-install the driver side cowl cover.
- (g) Re-install the driver side door scuff plate.
- (h) Re-install the foam pad under dash, near A-pillar
- (i) Re-install front pillar garnish corner piece.
- (j) Re-install the A pillar garnish.
 - (1) Inspect the center clip. If it is damaged, replace it.

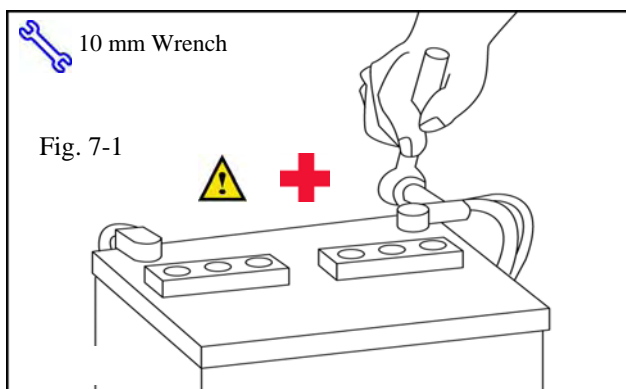
- (2) Set the claws of the lower A pillar garnish into the upper IP.
- (3) Insert the tip of clip A into the pillar garnish's hole by using needle-nose pliers to rotate the tip of the clip 90°.



- (4) Ensure that the clip is properly secure in the A pillar garnish, and that the clip is properly engaged in the garnish when in the deployed position.



- (5) Before installing the A pillar garnish, be sure the air bag or wire harnesses will not get pinched or tangled.
- (6) Push the pillar garnish toward the vehicle body to attach the base of the center clip.
- (k) Reinstall the weather seal.
- (l) Ensure components are securely fastened and do not interfere with existing OE or EC harnesses.
- (m) Place the operation instruction card in the vehicle glove box.
- (n) Remove fingerprints, smudges, dirt, etc. from mirror and windshield with a VDC approved cleaner.
- (o) Verify each reinstalled component for proper fit and function.



7. Reconnect Negative Battery Cable.

- (a) Reconnect the vehicle's negative battery cable. (Fig. 7-1)
- (b) Re-install the rear deck floor box.
- (1) Tighten the nut to 4.1 N-m (48 in-lbs)
- (c) Re-install the rear floor board.
- (2) Do not touch the positive terminal with any tools when replacing the cable.



MIRROR 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.****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.
- ☐ Operation Instruction Card

Verify LED indicators turn red.

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

Verify mirror darkens.

Mirror returns to clear state.

Placed in the vehicle glove box.

Vehicle Function Checks

- ☐ Check map lights.
- ☐ Check power mirrors.
- ☐ Check security system if equipped.
- ☐ Check dimmer switch
- ☐ Check driver side visor lamp

Verify map lights function properly.

Verify power mirrors function properly.

Verify security system works properly.

Verify dimmer switch functions properly.

Verify drive side visor lamp functions properly.