

Preparation

Part Number: PT374-35052

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

Kit Contents

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

Special Chemicals	Notes
Cleaner	Household Windex

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	1	T-tap Connectors, Red 3M™
2	1	Wire Cover
3	1	EC Wire Harness
4	6	Foam Tape
5	5	Wire Ties, small
6	5	Wire Ties, large

General Applicability

B cab

Recommended Sequence of Application

Item #	Accessory
1	TVIP
2	Audio
3	EC Mirror

*Mandatory

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1		

Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1		


Conflicts


C & D-Cab


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
Slotted Nylon Removal Tool	A suitable tool can be obtained from: Plastic Factory (310) 532-8850
Dark Towel or Cloth	For Testing
Torque Wrench	36 lbf-inch
Utility Knife	


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.

Procedure

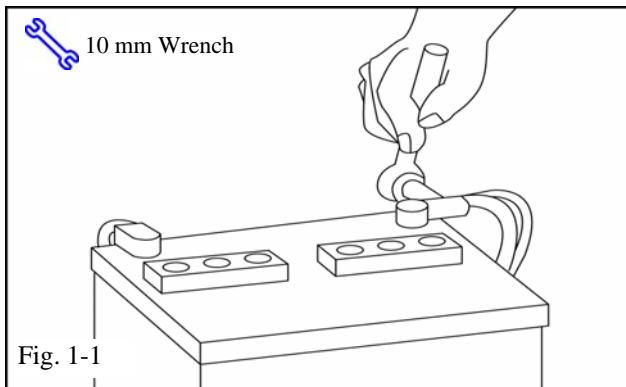
Care must be taken when installing this accessory to ensure damage does not occur to the vehicle. The installation of this accessory should follow approved guidelines to ensure a quality installation.

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



This document covers such items as:-

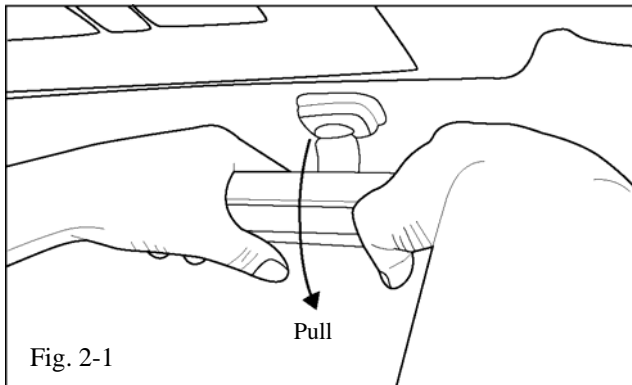
- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly (battery disconnection, connector removal, etc.).

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



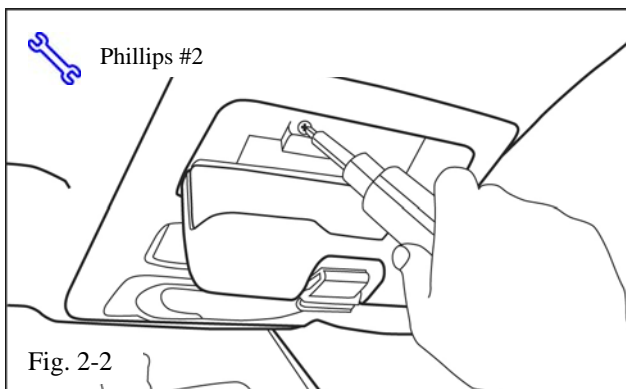
1. Remove Battery Cable.

- (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)

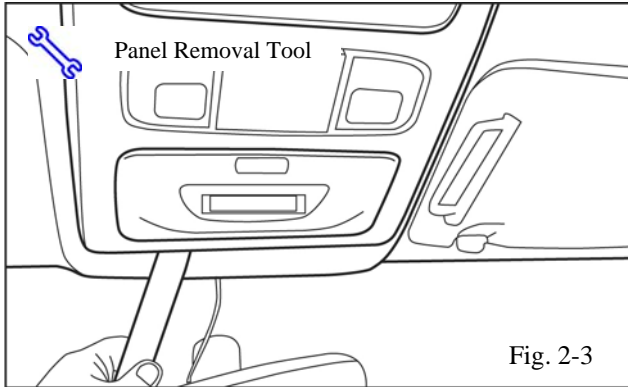


2. Vehicle Disassembly.

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



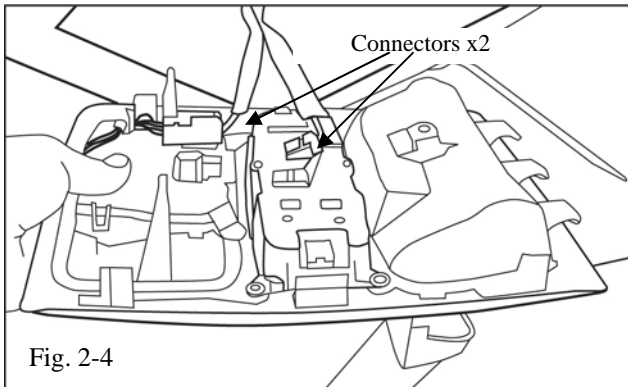
- (b) Remove overhead console.
 - (1) Open sunglasses compartment in overhead console and remove one (1) screw. (Fig. 2-2)



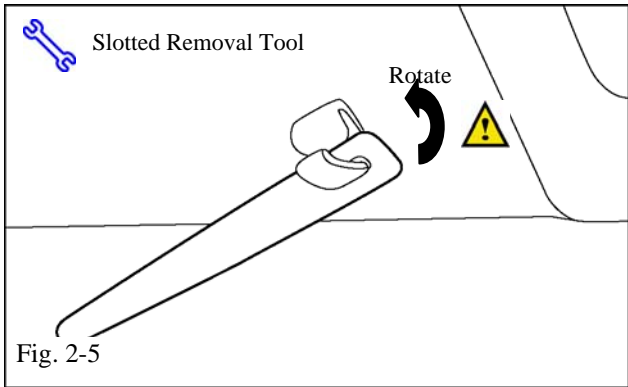
(2) Insert Panel Removal Tool between front edge of overhead console and vehicle headliner. (Fig. 2-3)



(3) Carefully pull overhead console down from headliner to expose harness connectors.



(4) Disconnect the connectors. (Fig. 2-4)



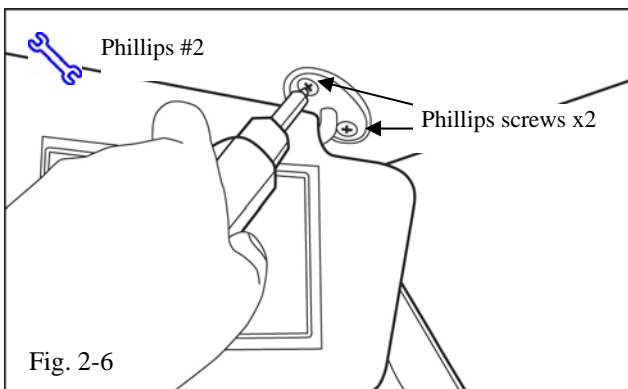
(c) Using a slotted panel removal tool, loosen the driver side sun visor clip by rotating clip 90 degrees counter clockwise. (Fig. 2-5)



(1) Rotating clip clockwise or more than 90 degrees will cause damage to clip when trying to remove it.

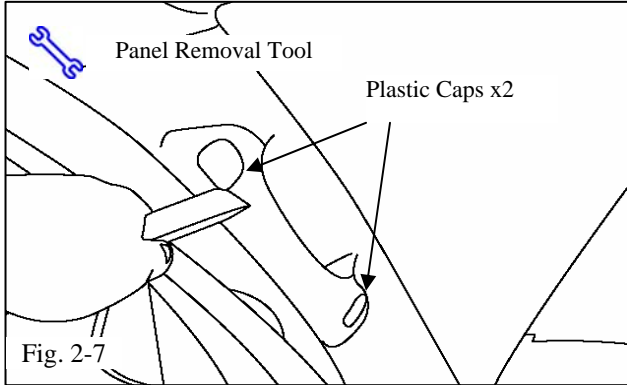


(2) Carefully pull clip with headliner down, taking care not to damage the clip. Do not remove clip from the headliner.

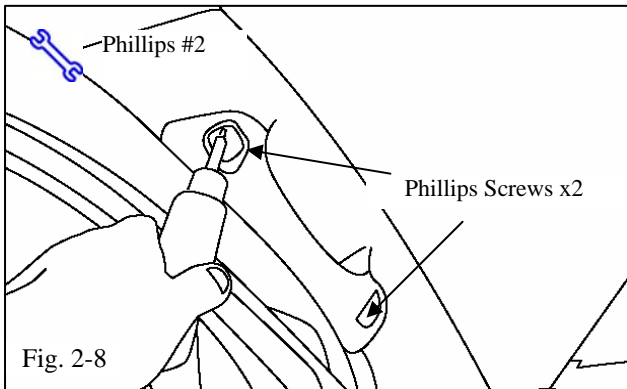


(d) Remove two (2) screws from the driver side sun visor base. (Fig. 2-6)

(1) Remove sun visor.

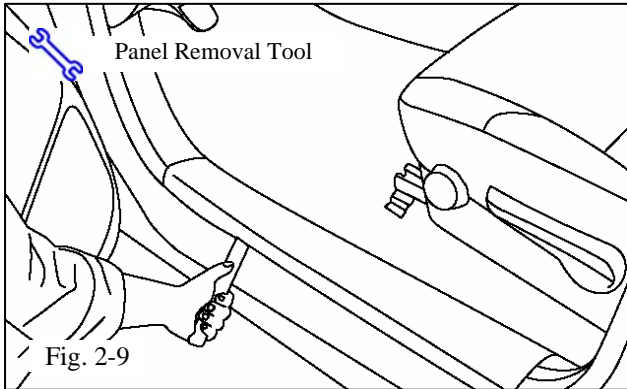


(e) Remove two (2) plastic caps from driver-side grab-handle. (Fig. 2-7)

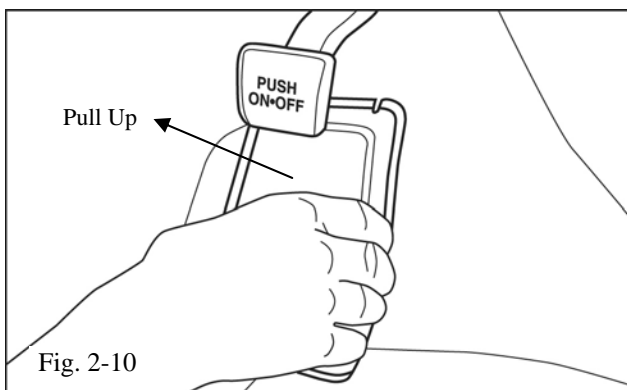


(f) Remove two (2) screws from grab-handle and remove grab handle. (Fig. 2-8)

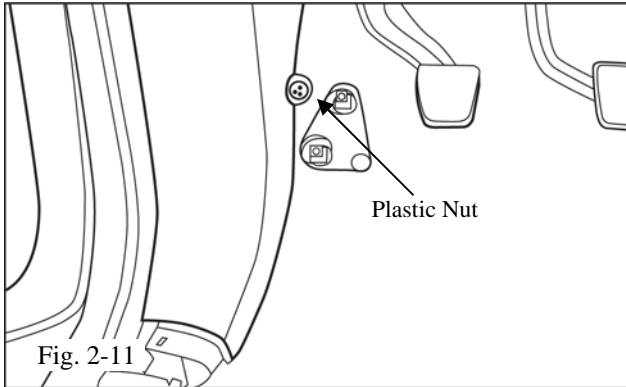
(1) Remove A-pillar garnish.



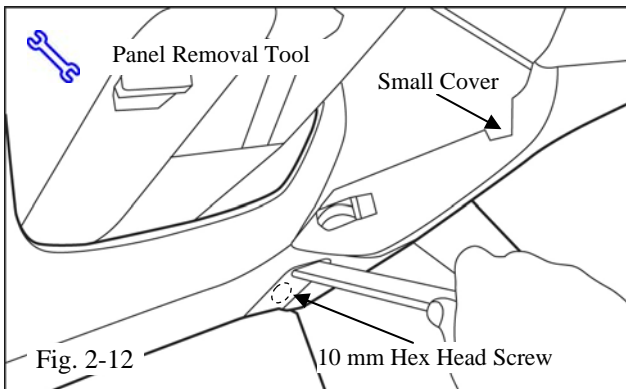
(g) Remove driver-side scuff plate. (Fig. 2-9)



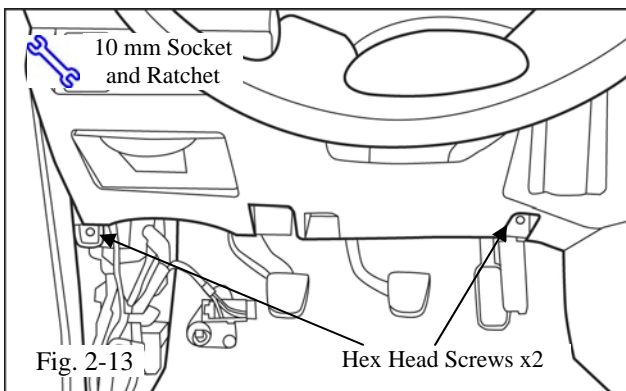
(h) Remove footrest. (Fig. 2-10)



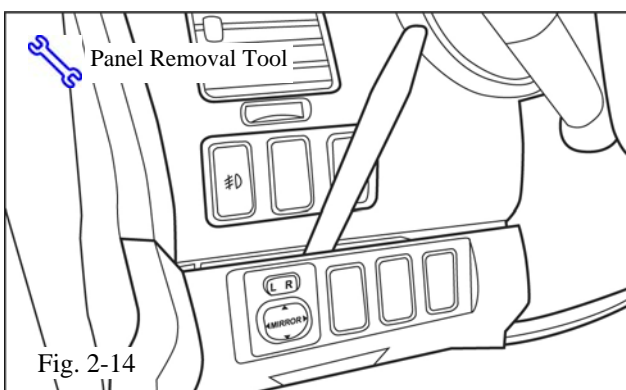
- (i) Remove plastic nut from driver-side cowl cover and remove cowl cover. (Fig. 2-11)



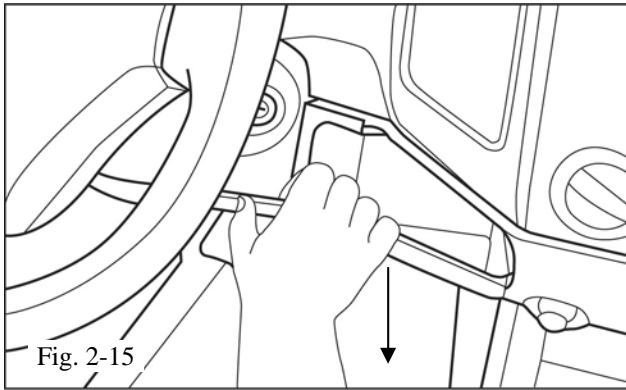
- (j) Insert Panel Removal Tool between mounting screw cover and lower I.P. (Fig. 2-12)
- (k) Pry top edge of screw cover open to expose 10 mm hex head screw.
- (l) Remove the small cover from the lower dash cover's right side. A/T model only.



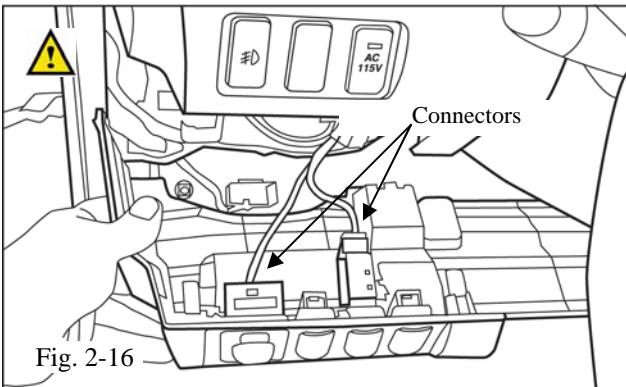
- (l) Remove two (2) hex head screws from lower I.P. (Fig. 2-13)



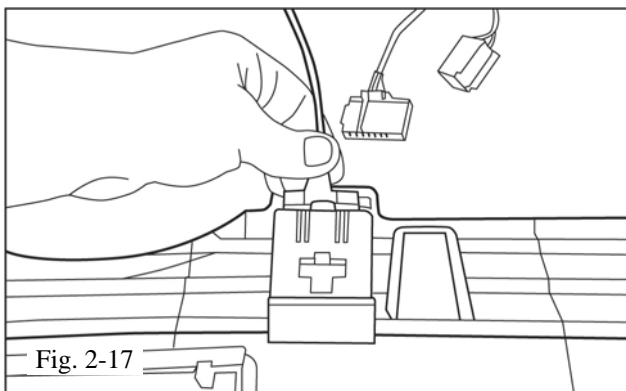
- (m) Insert Panel Removal Tool between dash panel and lower I.P. and pry downward to disengage clips. (Fig. 2-14)



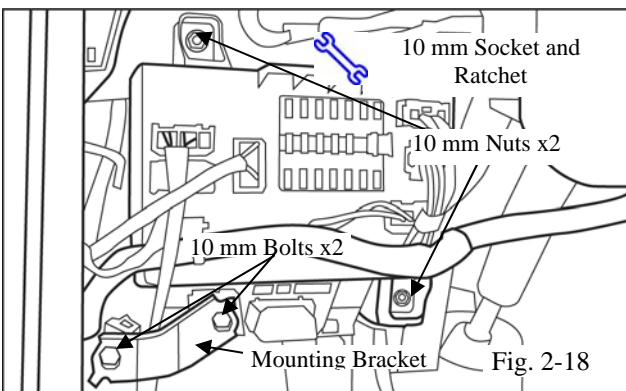
- (n) Grasp lower I.P. panel to the right of steering column and pull downward to disengage clips. (Fig. 2-15)



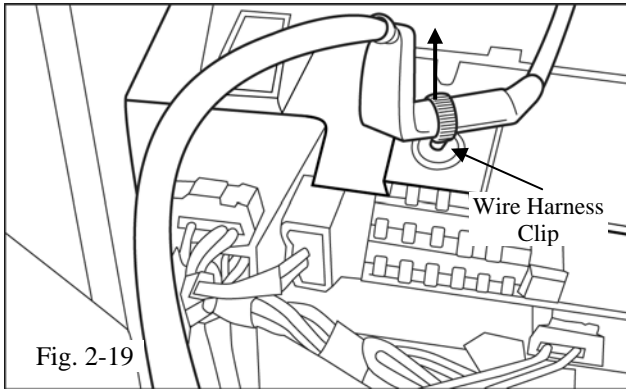
- (o) Carefully pull down on the lower I.P.
- (p) Disconnect all harness connectors from lower I.P. (There may be more than shown) (Fig.2-16)



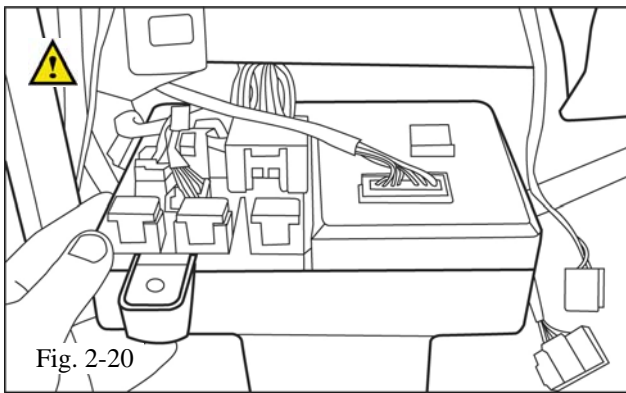
- (q) Remove hood release lever and completely remove lower IP. (Fig. 2-17)



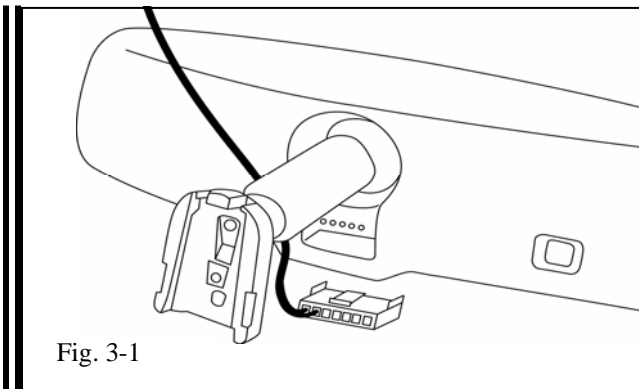
- (r) Remove two (2) 10 mm nuts from fuse box assembly. (Fig. 2-18)
- (s) Remove two (2) 10 mm bolts and fuse box mounting bracket. (Fig. 2-18)



- (t) Disconnect wire harness clip by pulling up. (Fig. 2-19)

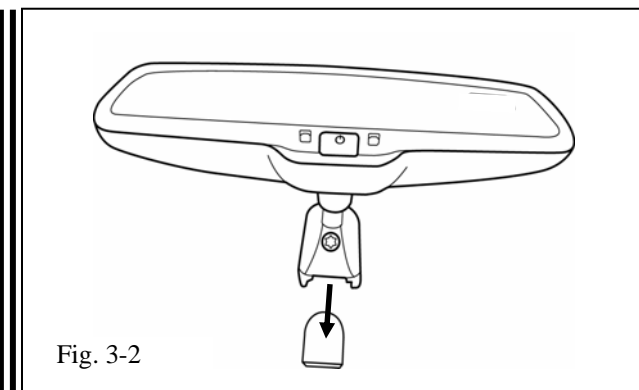


- ⚠ (u) Carefully lower fuse box to horizontal position. (Fig. 2-20)

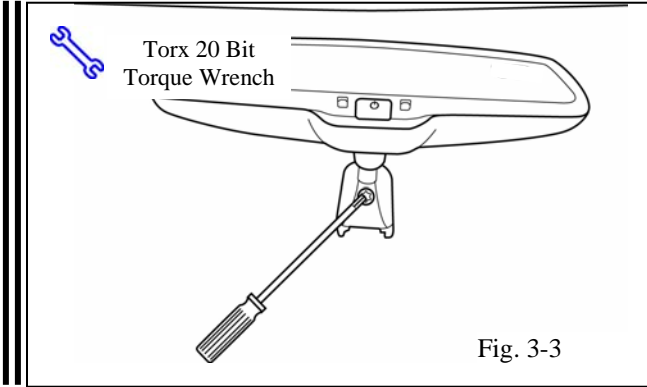


3. Mirror Installation.

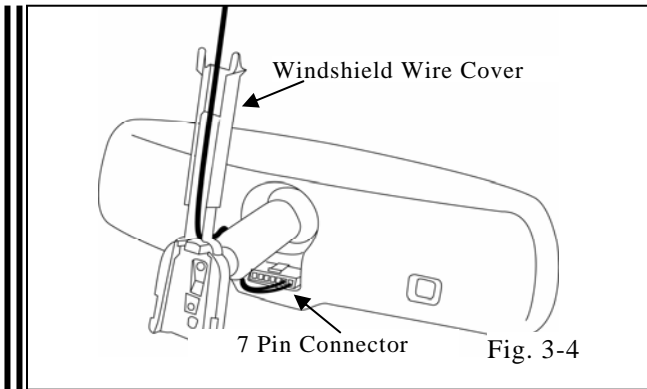
- (a) Plug the wire harness 7-pin connector into the back of the mirror. (Fig. 3-1)



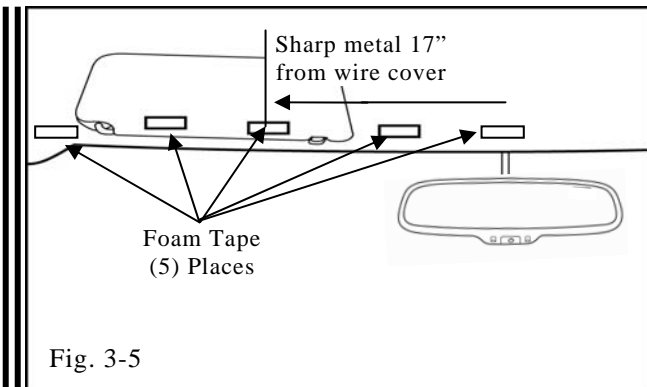
- (b) Slide the EC mirror onto the mounting button on windshield. (Fig. 3-2)



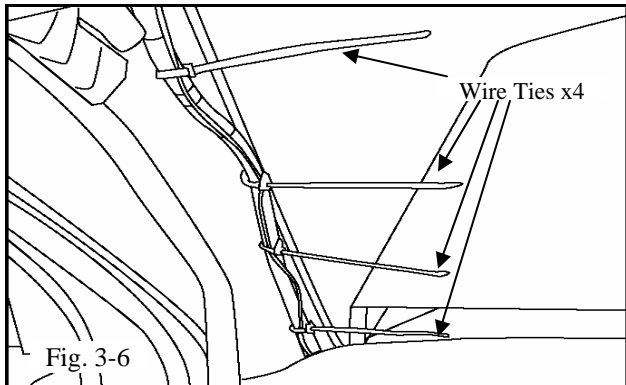
- (c) ⚠ Tighten the screw in the mirror mounting bracket with torque wrench to 1.75 N-m (15.5 lbf-in). (Fig. 3-3)



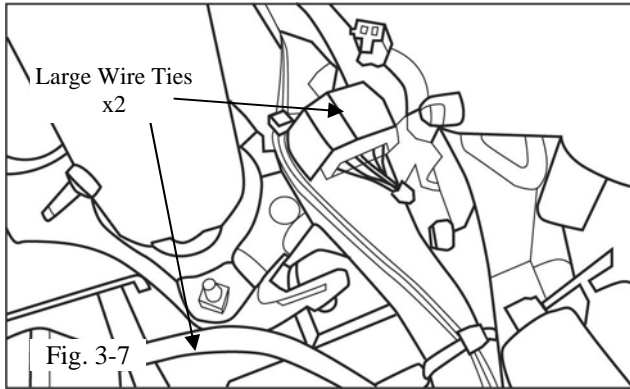
- (d) || Route the mirror wire harness into the groove of the windshield wire. (Fig. 3-4)



- (e) ⚠ Route the mirror wire harness into the headliner and across to driver-side A-pillar.
 - (1) Apply one (1) piece of foam tape to cover sharp edge.
 - (2) Apply four (4) pieces of foam tape to secure harness to inner surface of headliner. (Fig. 3-5)

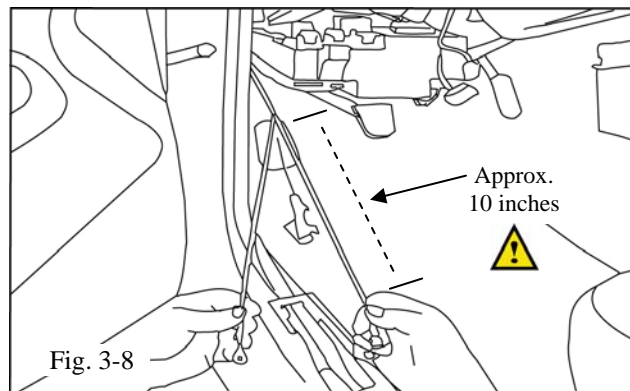


- (f) Route mirror harness down the A-pillar, along the OE harness, forward of I.P. reinforcement bar and under dash.
 - (1) Secure the mirror wire harness to the OE harness with four (4) small wire ties in A-pillar. (Fig. 3-6)

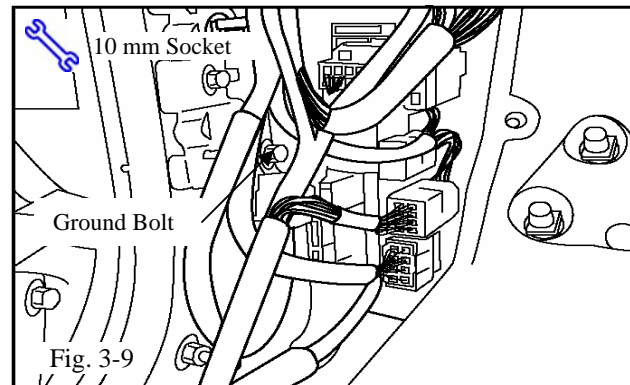


(g) Route wire harness along main vehicle harness, forward of I.P. reinforcement bar and into driver-side cowl area. (Fig. 3-7)

(1) Secure with two (2) large wire ties.

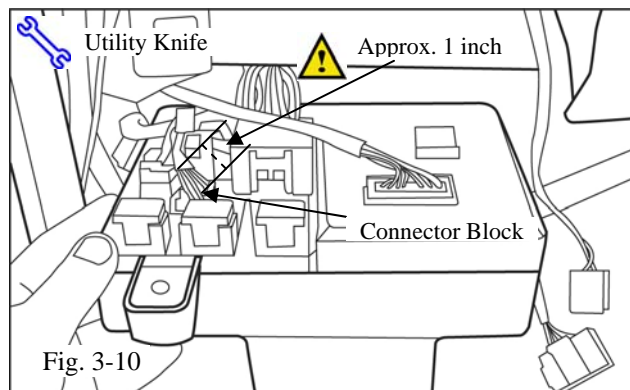


⚠ (h) Carefully pull apart Ground wire from Ignition wire, enough to allow separate routing (approximately 10 inches). (Fig. 3-8)



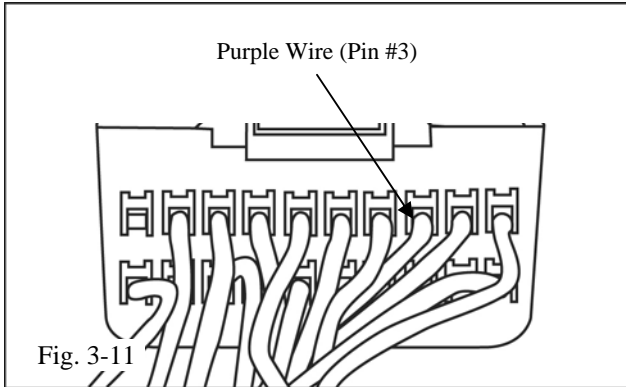
(i) Remove Ground bolt and apply ring-terminal end of harness to Ground bolt. (Fig. 3-9)

(1) Re-attach Ground bolt.

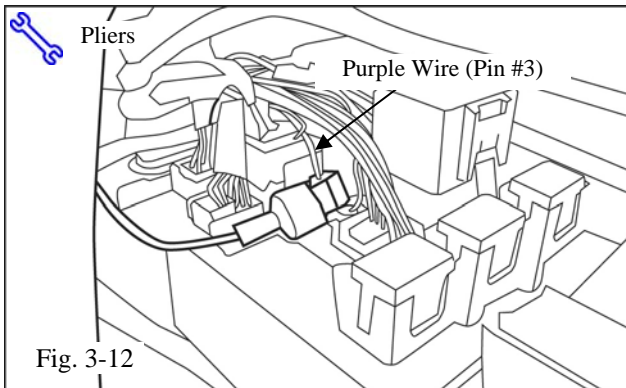


(j) Locate connector block on back of fuse panel as shown. (Fig. 3-10)

⚠ (1) Cut away approximately 1 inch of tape to expose wires.

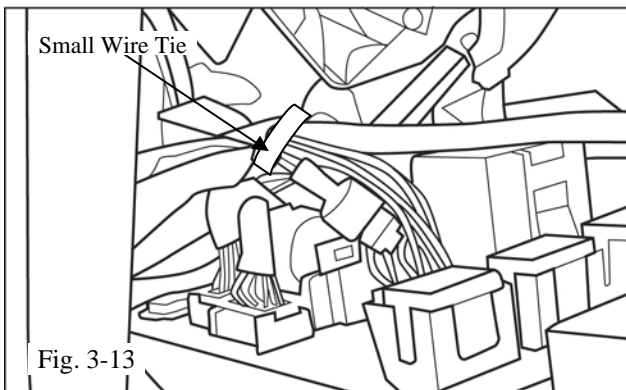


(k) Locate purple wire in pin #3 on 20-pin connector block. (Fig 3-11)

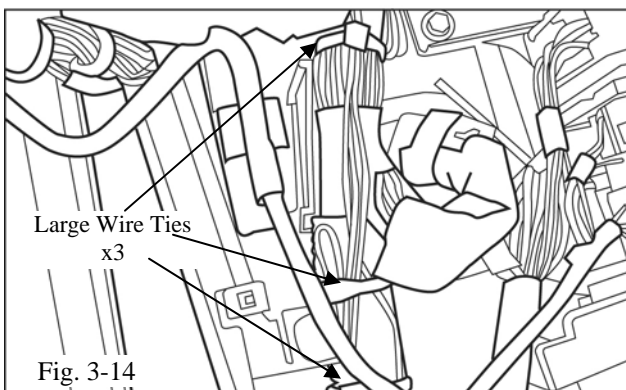


(l) Apply red T-tap to the purple wire and secure with pliers. (Fig. 3-12)

(m) Plug the wire harness' red spade connector into the T-tap. (Fig. 3-12)

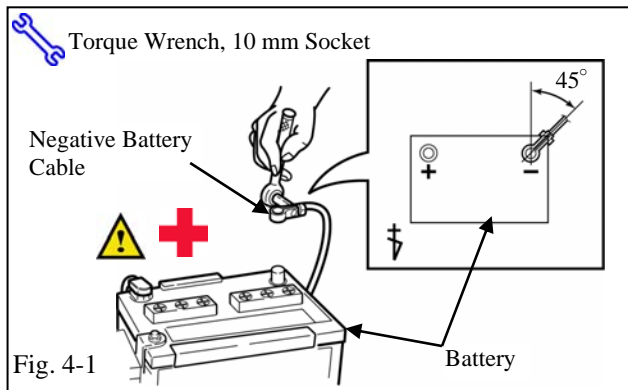


(n) Secure harness behind fuse panel to wire bundle with one (1) small wire tie. (Fig. 3-13)



(o) Bundle any excess wire and secure to OE harnesses with three (3) large wire ties. (Fig. 3-14)

(p) Tighten all wire ties and clip excess.



4. Reconnect Battery.

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



(1) Position the negative terminal to the battery as shown (~45 degrees).

(2) Tighten the nut to 4.1 N-m (36 lbf-in).



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

5. Testing.

(a) Turn ignition key to ON position.

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

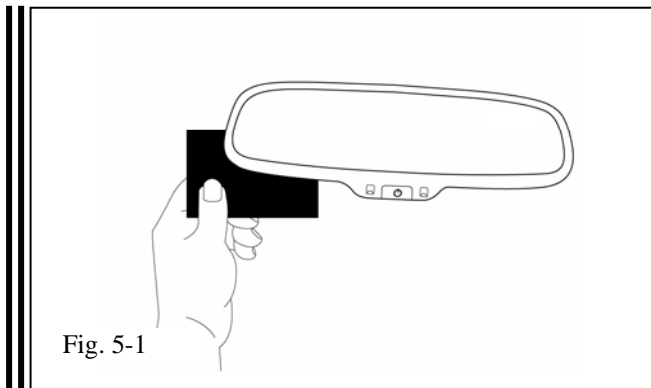
(1) To make sure the auto-dimming feature is on, verify that the green LED to the left of the switch is on. If it is not on, push the "I O" (on/off) button to turn feature on.

(2) Cover (using dark cloth or towel) the forward-looking photocell located on the back of the mirror. (Fig. 5-1)

(3) After a few seconds, the mirror will begin to darken (the time may vary with ambient light levels).

(4) Remove the cover from the forward photocell and the mirror will begin to clear.

(5) Turn ignition key to OFF position.




6. Final Assembly.

(a) Reinstall fuse box and harness clip.

(b) Reconnect hood release lower.

- (c) Reconnect all connectors to IP panel.
- (d) Reinstall lower IP and small cover (if removed).
- (e) Reinstall driver side cowl cover.
- (f) Reinstall driver side foot rest.
- (g) Reinstall driver side scuff plate.
- (h) Reinstall driver side "A" pillar trim and grab handle.
- (i) Reinstall driver side sun visor and clip.
- (j) Reinstall overhead console.
- (k) 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.
- (l) Verify each reinstalled component for proper fit and function.

TOYOTA TACOMA 2005 - EC REARVIEW MIRROR
 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><input type="checkbox"/> Turn ignition switch to ON.</p> <p>Auto-dimming feature:</p> <p><input type="checkbox"/> Cover the forward-looking light sensor (on the back of the mirror).</p> <p>Mirror clears:</p> <p><input type="checkbox"/> Remove cover from photocell.</p> <p><input type="checkbox"/> Operation Instruction Card</p>	<p><u>Look For:</u></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>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><input type="checkbox"/> Check functions of all switches/controls on lower IP.</p>	<p>Verify dome light functions properly.</p> <p>Nut should be tightened to 4.1 N-m (36 lbf-inch).</p> <p>Correct operation.</p>