Part Number: PT922-74110

Kit Contents

Item #	Quantity Req'd.	Description
1	1	Main Wire Harness
2	1	Switch Wire Harness
3	1	Switch
4	1	Switch Header
5	1	ECU
6	1	ECU Bracket
7	1	Hardware Kit
8	1	Instruction Card

Hardware Bag Contents

Item #	Quantity Reqd.	Description
1	4	T-taps (18-22 gauge)
2	42	25cm Wire Ties
3	1	Large foam tape
4	2	Small foam tape
5	3	Medium small foam tape
6	2	10cm Wire Ties

Additional Items Required For Installation

Item #	Quantity Reqd.	Description
1	1	PT922-74111 (Interior Light
		Kit)
2	1	PT922-74112 (Illuminated
		Door Sill)

Conflicts

None

General Applicability

Recommended Sequence of Application

Item #	Accessory
1	Fog Lights
2*	Interior Light Controller Kit (For illuminated
	door sills and interior light kit)
3	Interior Light Kit
4	XM tuner
5	Audio/Navigation
6	Illuminated Door Sills

*Mandatory

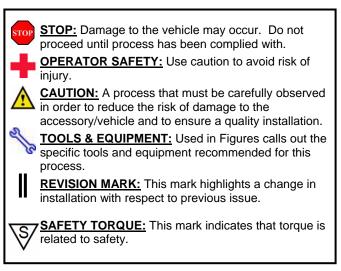
Vehicle Service Parts (may be required for reassembly)

Item #	Quantity Reqd.	Description
1	N/A	
2		
3		

Recommended Tools

Personal & Vehicle	Notes
	Itotes
Protection	
Safety Glasses	
Safety Gloves	Optional
Vehicle Protection	Blankets, Part Boxes
Special Tools	Notes
Nylon Panel Removal Tool	
Installation Tools	Notes
Socket extension	6"
Socket wrench	10 mm
Pliers	Needle Nose
Side Cutter	
Torque Wrench	48 in-lbf, 7.0 ft-lbf
Center punch	
Drill	6mm bit with 5mm drill stop
Hole deburring tool	
Scissors	
Electrical tape	
Masking tape	
Special Chemicals	Notes
All Purpose Cleaner	Mild, water based, solvent
_	free VDC approved all
	purpose cleaner.

Legend



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.

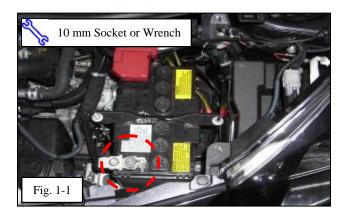
These guidelines can be found in the "Accessory Installation Practices" document.

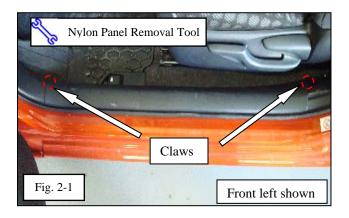
This document covers such items as:-

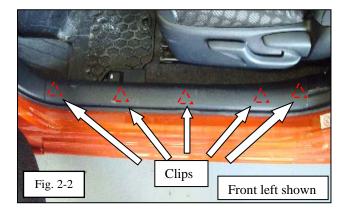
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- Vehicle Protection (use of covers and blankets, cleaning chemicals, etc.).
- Safety (eye protection, rechecking torque procedure, etc.).
- Vehicle Disassembly/Reassembly (panel removal, part storage, etc.).
- Electrical Component Disassembly/Reassembly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

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







1. Preparation

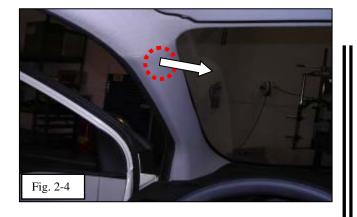
- (a) Inspect all kit components and check for damage or missing parts.
- (b) Locate and remove the negative battery cable.
 - (1) Remove the negative battery cable using a 10mm wrench or socket and set aside. (Fig 1-1)
 - (2) Do not touch the positive terminal with any part of the tool when removing cable

2. Vehicle disassembly

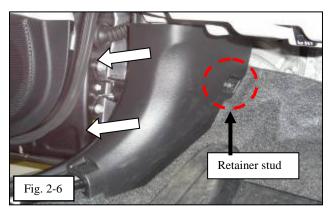
NOTE: Unless otherwise specified, procedure for driver and passenger side is the same.

- (a) Remove the left and right door sills using a nylon panel removal tool
 - (1) Disengage the 2 claws at the front and rear bottom corners. (Fig. 2-1)
 - (2) Disengage the 5 clips and remove the panel from the vehicle. (Fig 2-2)

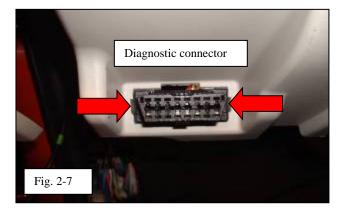


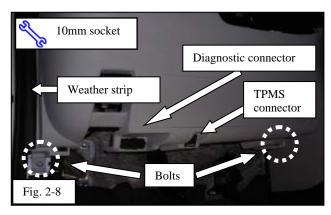




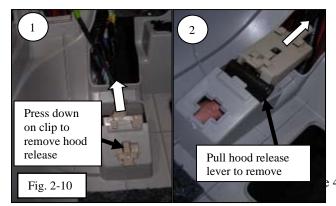


- (b) Detach the weather stripping from driver side A-pillar area. (Fig. 2-3)
- (c) Remove driver side A-pillar panel. (Fig 2-4)
 - Place masking tape on the upper IP around the A-pillar to protect the upper IP during removal.
 - (2) Pull the top of the panel straight out to disengage the top A-pillar clip.
 - (3) Apply tape to the jaws of the pliers, then rotate the base of the yellow A-pillar clip 90 degrees to disengage the panel from the clip. (Fig. 2-5)
 - (4) If the clip is damaged (i.e. scarred), or is removed from the body, replace it with a new one. Confirm the latest clip part number via the electronics parts catalog.
 - (5) Pull cover straight out to detach middle clip and slide panel up to remove slider clips.
 - (6) If the middle clip is stuck to the body after removal, remove the clip and reattach it to the A-pillar cover.
- (7) Do not remove the yellow A-pillar clip from the vehicle body.
- (d) Remove the left and right cowl side covers (Fig. 2-6)
 - (1) Unfasten the panel from the retainer stud.
 - (2) Pull the cover straight away from the body to detach the two clips in the direction of the arrows.



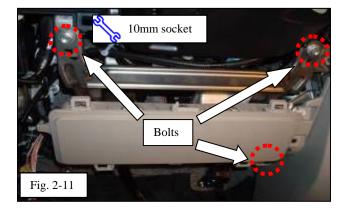


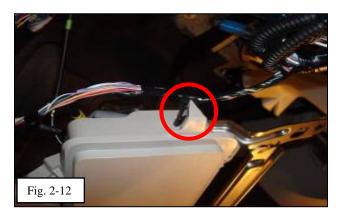




- (e) Disconnect the TPMS connector and the diagnostic port connector from the lower IP panel. (Fig. 2-7 & 2-8)
 - For the diagnostic port connector, press in on the two retaining clips (Fig 2-7) and push through back of panel.
- (f) Remove the driver side lower IP.
 - (1) Remove the two (2) bolts with a 10mm socket. (Fig. 2-8)
 - (2) Detach the driver side weather strip.
 - (3) Remove the lower panel by disengaging 10 clips and 2 guides. (Fig. 2-9)
- (g) Disconnect the hood release cable from the lower IP (Fig. 2-10)
 - (1) Press down on the hood release retainer clip.
 - (2) Slide the hood release away from the IP panel.
 - (3) Pull on the hood release lever to remove the hood latch from the lower IP.

e 4 of 27 pages





- (h) Remove three (3) bolts from driver air bag assembly using a 10mm socket or wrench. (Fig 2-11)
- (1) Some bolts removed during disassembly may be of different sizes and types. Keep bolts organized so they are reinstalled in the correct location.
- (i) If necessary, disengage wire harness clip from airbag panel to give more slack. (Fig 2-12)
- (j) Do not disconnect any airbag connectors.

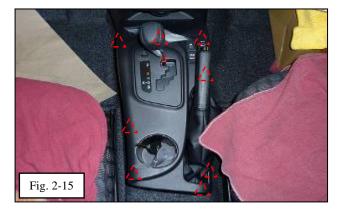


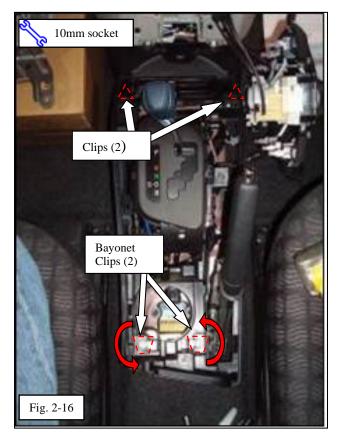


- (k) Cover the airbag assembly and support on top of a box to ensure there is no tension on the wire harness.
 - (l) Remove instrument cluster finish panel.
 - (1) Remove panel by disengaging 4 clips.(Fig. 2-13)
 - (2) Disconnect the two connectors.

(m) Position shift lever to N position. (Fig. 2-14)

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- (n) Remove center console upper panel.
 - Remove panel by disengaging 8 clips. (Fig. 2-15)
 - (2) Disconnect any connectors connected to the panel and remove panel.
- (o) Remove center console box.
- (1) Disengage bayonet clips by rotating 90 degrees counter clockwise. (Fig 2-16)
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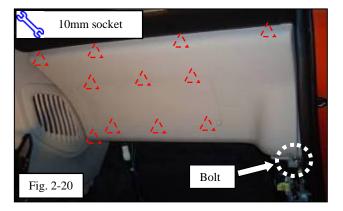
(2) DO NOT USE POWER TOOL.

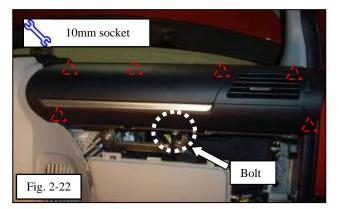
(3) Remove trim panel by disengaging 2 clips. (Fig. 2-16)

(p) Remove front console box cover by disengaging 4 clips and pulling toward the shifter along the 2 guides. (Fig. 2-17)



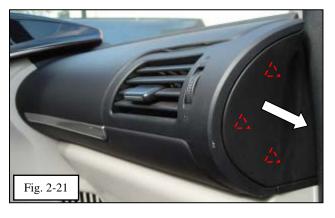


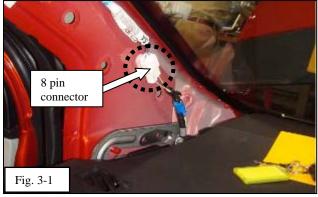


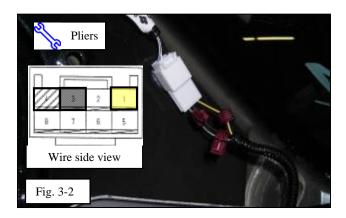


- (q) Disengage lower instrument cluster finish panel IP and set to the side.
 - (1) Disengage 8 clips. (Fig. 2-18)
 - (2) Cover the panel and set the panel to the side. (Fig 2-19)

- (r) Remove the passenger side lower IP.
 - Remove one M6 bolt with a 10mm socket. (Fig. 2-19)
 - (2) Disengage the weather strip.
 - (3) Disengage 11 clips. (Fig. 2-20)
- (s) Remove passenger side upper IP.
 - (1) Remove one M6 bolt with 10mm socket or wrench. (Fig. 2-22)
 - (2) Disengage 6 clips and pull panel away from dash, along 2 guides. (Fig 2-22)
 - (3) Use tape to protect upper IP.





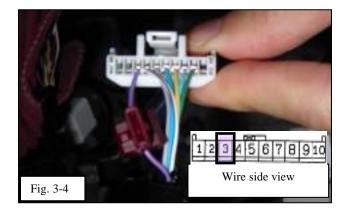




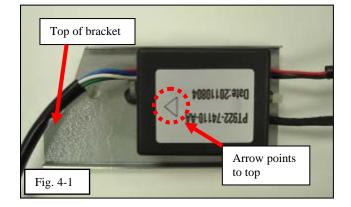
- (t) Remove the upper IP side panel from the passenger side upper IP that was removed from the previous step. (Fig 2-21)
 - (1) Disengage 3 clips
 - (2) Pull panel away from upper IP.

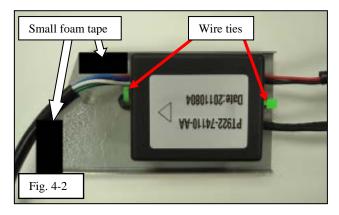
3. Install T-taps

- (a) Locate the 8 pin connector at the base of the driver side A-pillar. (Fig. 3-1)
- (b) Remove the electrical tape from the wire harness to get better access to the wires.
 - 5-10mm of corrugated tubing may need to be removed from OE harness to install and stagger t-taps.
 - (2) Disconnect the connector and disengage the connector from the body to get better access.
- (c) Apply a T-tap to the Yellow Wire, pin 1 about 0.5 inches from the connector end.
- (d) Apply a T-tap to the Black wire, pin 3 about1 inch from the connector end.
- (e) Apply a T-tap to the White/Black wire, pin 4 about 1.5 inches from the connector end.
- (f) Locate and disconnect the 10 pin outer mirror switch connector located behind the outer mirror switch. (Fig 3-3)
- (g) If necessary, remove the electrical tape from the harness to get better access to the wires.



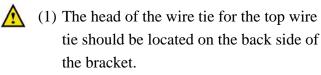
- (h) Apply a T-tap to the violet wire, pin 3 on the 10 pin connector. (Fig. 3-4)
- (i) Reapply electrical tape to the harness as needed.





4. Install ECU (Light Controller)

- (a) Orient ECU as shown with the arrow pointing toward the top of the bracket.(Fig. 4-1)
- (b) Attach ECU to bracket with small wire ties. (Fig. 4-2)



- (2) Trim wire ties.
- (c) Apply two (2) pieces of small foam tape(35mm) around the bracket edges as shown.(Fig. 4-2)
- (1) Do not cover mounting hole on ECU bracket.

Fig. 4-6

INTERIOR LIGHT CONTROLLER

- (d) Wrap large foam tape around ECU and bracket.
 - (1) Align top of foam tape with top of ECU tab. (Fig. 4-3)
 - (2) Wrap large foam tape around ECU and bracket
 - (3) Fold bottom ends of the foam tape in to cover bottom edges of bracket. (Fig. 4-4)

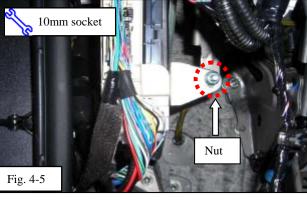
(e) Remove nut from driver side junction box bracket with a 10mm socket. (Fig. 4-5)

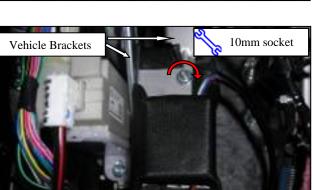
- (f) Attach ECU to the stud and reinstall the nut. (Fig. 4-6)
 - (1) Make bracket fits snugly in place and does not rotate.
 - (2) The top of the light controller bracket should fit between the two vehicle brackets.

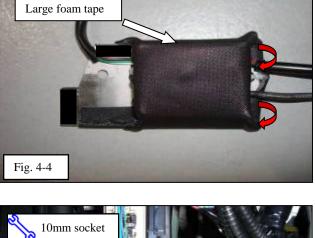
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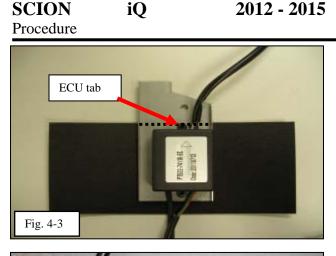
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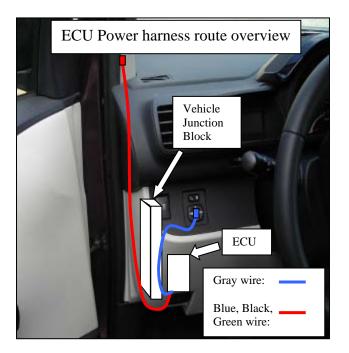






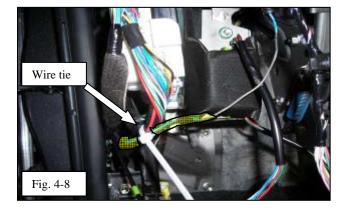








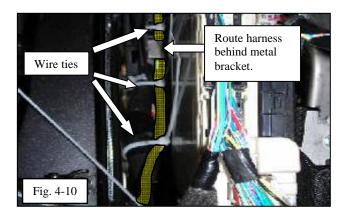
- (g) Connect grey wire to t-tap on violet wire on the 10 pin outer mirror switch connector.
- (h) Reconnect the outer mirror switch connector.(Fig 4-7)



- (i) Route the blue, black, and green wires over to the OE harness and secure with one (1) wire tie as shown. (Fig. 4-8)
- (1) Do not tie to with hood release cable.

Wire ties Fuse Fig. 4-9

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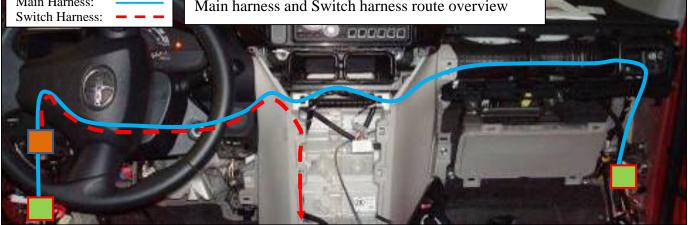


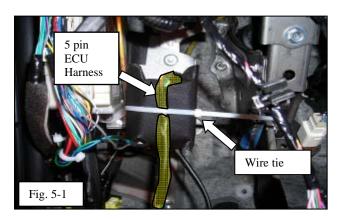


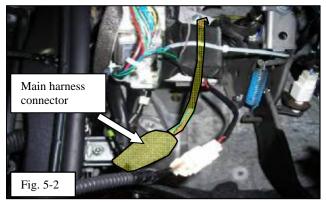


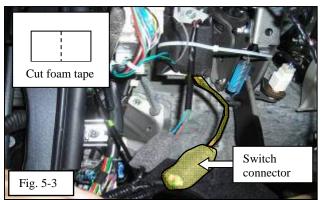
INTERIOR LIGHT CONTROLLER

- (j) Route the blue, black and green wires up along the OE harness to the left of the junction block as shown. (Fig. 4-9)
- (k) Secure the wires to the OE harness on both sides of the fuse with two (2) wire ties as shown. (Fig. 4-9)
- (1) Do not tie to with hood release cable.
- (1) Route the wires up along the OE harness to the left of the junction block. The OE harness runs up toward the A-pillar. Secure the wires to the OE harness as shown with three (3) wire ties. (Fig. 4-10)
- - (1) The wires should be routed behind the metal bracket.
 - (2) Do not tie to or with hood release cable.
- (m)Route the along the OE harness through the A-pillar opening and connect the wires to the T-taps. (Fig. 4-10)
 - (1) Connect Blue wire spade terminal to the T-tap on the Yellow wire.
 - (2) Connect Black wire spade terminal to the T-tap on the Black wire.
 - (3) Connect Green wire spade terminal to the T-tap on the White/Black wire.
- \wedge (4) Make sure T-taps are connected properly.
 - (n) Wrap T-tap connectors with foam tape and secure the harness to the OE harness with one (1) wire tie as shown. (Fig. 4-11)
 - (o) Reconnect and reinstall the connector to the body. (Fig. 4-11)
 - (p) Trim all wire ties.



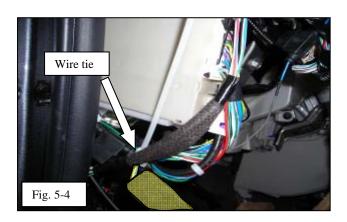


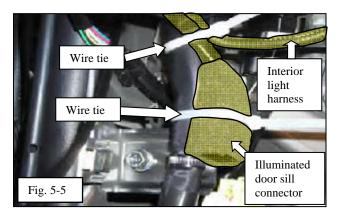


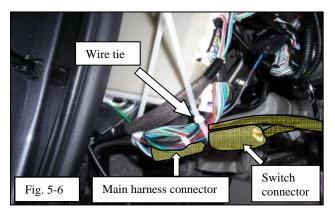


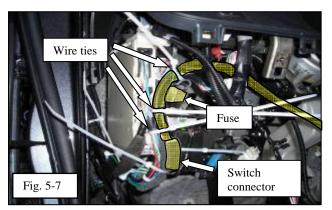
- 5. Route Main harness and Switch harness to center HVAC area.
 - (a) Route the Main harness down across the front of the ECU and secure to the ECU with one (1) wire tie as shown. (Fig. 5-1)

- (b) Connect the 5 pin Main harness connector to the 5 pin ECU connector.
- (c) Wrap the Main harness connector with foam tape. (Fig. 5-2)
- (d) Connect the 3 pin Switch harness connector to the 3 pin ECU connector.
- (e) Cut one piece of medium foam tape in half as shown.
- (f) Wrap the switch connector with the half piece of foam tape. (Fig. 5-3)



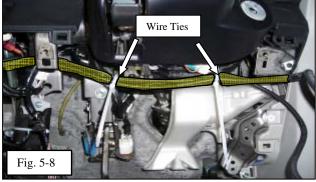


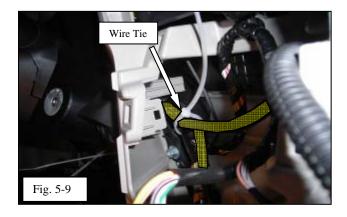


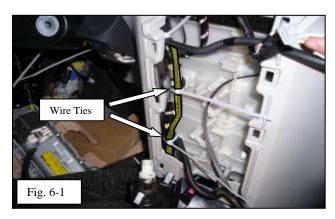


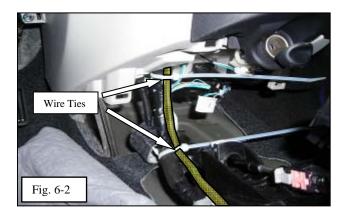
- (g) Route the Main harness and Switch harness across to the OE harness and secure with one(1) wire tie to the OE harness just in front of where the fuse was secured. (Fig. 5-4)
- (h) Wrap the driver side 4 pin illuminated door sill harness with the large foam tape.
- (1) Do not block the area where the connector is inserted with the tape.
- (i) Route the 4 pin door sill harness and 5 pin interior light harness from the main harness to the cowl block area and secure with one (1) wire tie as shown. (Fig. 5-5)
- (j) Secure the 4 pin door sill connector to the right of the OE harness with one (1) wire tie as shown. (Fig. 5-5)
- (k) Route the Main harness and Switch harness along the OE harness toward the junction block and secure to the OE harness with one (1) wire tie as shown. (Fig. 5-6)
 - (1) The wire tie is applied in front of the main harness connector and behind the switch connector.
 - (2) Make sure the connectors are located on the inner side of the OE harness, toward the junction block.
- Route the Main harness, the Switch harness, and the Gray wire up toward the top of the junction block and secure to the OE harness as shown with three (3) wire ties. (Fig. 5-7)









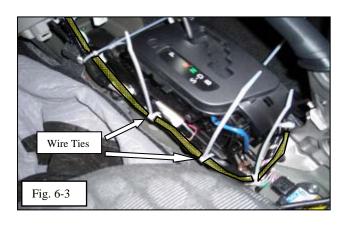


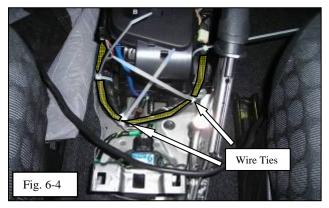
INTERIOR LIGHT CONTROLLER

- (1) The Switch connector should be located on the inner portion of the OE harness, toward the center of the vehicle.
- (2) The first wire tie is secured in front of the switch connector.
- (3) The second and third wire tie should secure the fuse in place.
- (m)Route the Main harness and switch harness underneath the steering column area and secure to the OE harness with two (2) wire ties as shown. (Fig. 5-8)
- (n) Route the main harness and switch harness through to the center panel area and secure to the OE harness with one (1) wire tie as shown. (Fig. 5-9)
- (o) Trim all wire ties.

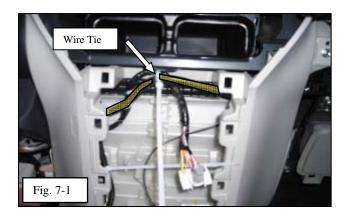
6. Route Switch harness to center console area.

- (a) Route the switch harness down the center panel area along the OE harness and secure with two (2) wire ties as shown. (Fig. 6-1)
- (b) Route the switch harness to the center console area and secure to the OE harness with two (2) wire ties as shown. (Fig. 6-2)





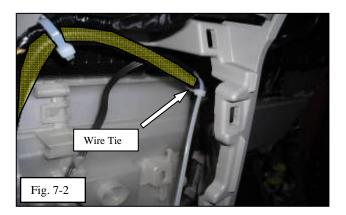
Wire Tie Fig. 6-5

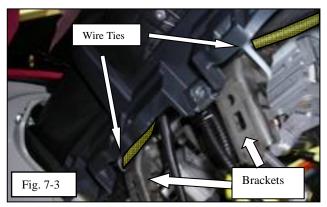


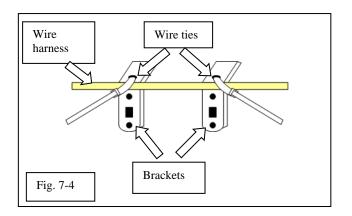
(c) Route the switch harness to the back of the center console area along the OE harness on the left side and secure to the OE harness with two (2) wire ties as shown. (Fig. 6-3)

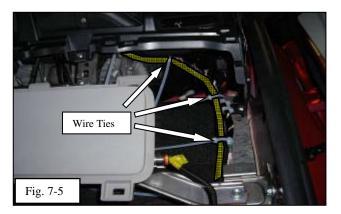
(d) Route the switch harness around the back and to the right of the shifter assembly along the OE harness and secure to the OE harness with two (2) wire ties as shown. (Fig. 6-4)

- (e) Route the switch toward the front of the vehicle along the right side OE harness and secure the harness to the OE harness with one (1) wire tie as shown. (Fig. 6-5)
- (f) Trim all wire ties.
- 7. Route main harness from Center IP area to passenger side cowl connector area.
 - (a) Route the main harness across the center IP area secure to the OE harness with one (1) wire tie as shown. (Fig. 7-1)





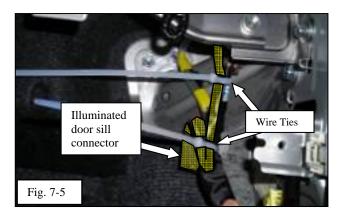




(b) Route the main harness to the passenger side lower IP opening and secure with one (1) wire tie as shown. (Fig. 7-2)

- (c) Route the main harness above the passenger side knee air bag assembly and secure to the two brackets with two (2) wire ties as shown.
 (Fig. 7-3 & 7-4)
 - (1) Attach zip ties through upper oval holes in bracket.
- (2) Ensure harness cannot be pinched behind upper IP bolt.

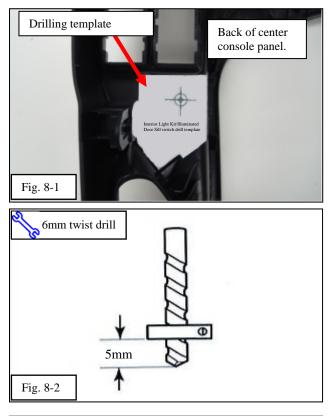
(d) Route the main harness along the OE harness down to the cowl side connector block and secure with three (3) wire ties as shown.(Fig. 7-5)

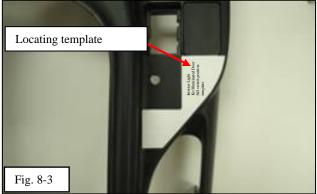


- (e) Wrap the passenger side illuminated door sill connector with a large piece of foam tape.
 - (1) Do not block the area where the connector is inserted with the tape.

(f) Bundle any excess wire and secure the illuminated door sill connector and wire bundle to the OE harness above the cowl connector block with one (1) wire tie as shown. (Fig. 7-5)

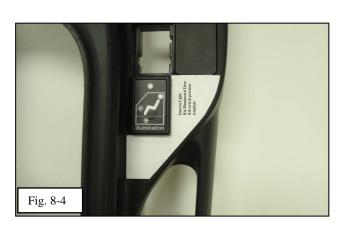
(g) Trim all wire ties.

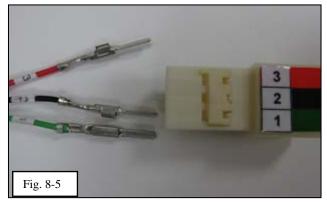


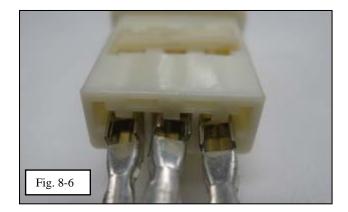


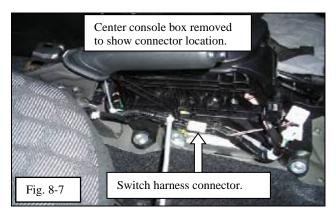
8. Install switch to center console top panel.

- (a) Remove lower 2 switches or knock outs from center console panel (USB/AUX jack and Fog light switch or blank knockout)
- (b) Cut out the switch templates on the last page of this document and place the switch drill template on back side of center console panel as shown. (Fig 8-1)
- (c) Mark the hole's center mark onto the panel and remove the template.
- (d) Set drill bit depth to 5mm as shown. The goal is to stop the drill just after the complete drilling of the hole. (Fig. 8-2)
- (e) Drill a 6mm hole through the center mark.
- (f) Using a de-burring tool, lightly remove any excess material and clean hole so there are no sharp edges.
- (g) Replace lower 2 switches or knockouts.
- (h) Using an approved cleaner, clean the top surface of the center console panel.
- (i) Fold switch locating template along dashed line.
- (j) Insert tab between switch and knockout, the edge of the template should line up with the knockout as shown. (Fig. 8-3)



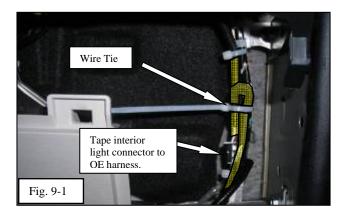


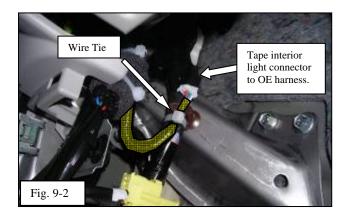




- (k) Install the switch. (Fig. 8-4)
 - (1) Insert the wires from the switch through the drilled hole.
 - (2) Orient the switch so the word"Illumination" can be read right side up from the driver's seat.
 - (3) Peel off the tape from the back of the switch and install the switch using the locating template.
- (1) Attach the switch wires to the switch connector.
 - (1) The wire colors and numbers should match the color and number of the connector slots. (Red to Red, Black to Black, Green to Green) and (3 to 3, 2 to 2, 1 to 1). (Fig. 8-5)
 - (2) Position the pins in the proper orientation before inserting into the connector.(Fig. 8-6)
 - (3) Check each wire after inserting to make sure the terminals are locked properly.
 - (4) Press down on the pin lock to lock in the terminals.
 - (5) Wrap the switch connector with a half piece of foam tape.
- (m)Reinstall the lower instrument cluster finish panel.
- (n) Reinstall the front console box cover.
- (o) Reinstall the center console box.
 - (1) Make sure clips are snapped into place.
 - (2) The bayonet clips should be rotated 90° and fastened properly.







INTERIOR LIGHT CONTROLLER

- (p) Connect switch connector to the switch harness located to the right of the shifter assembly. (Fig. 8-7)
 - (1) Harness should be routed through connector opening as shown. (Fig 8-8).
- (q) Reinstall the center console upper panel.
 - (1) Reconnect any disconnect connectors.
- (2) Make sure the switch harness is not pinched.

9. Install Interior Light Kit

- (a) See installation instructions for PT922-74111 if installing interior light kit.
- (b) If not installing interior light kit, secure passenger side interior light harness with one (1) wire tie as shown. (Fig. 9-1)
 - (1) Secure connector to OE harness with electrical tape.
- (c) If not installing interior light kit, secure driver side interior light harness with one (1) wire tie as shown. (Fig. 9-2)
 - (1) Secure connector to OE harness with electrical tape.

10. Reassembly

(a) Reinstall the passenger side upper IP.

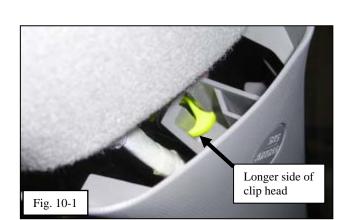


- (1) Make sure to reinstall the bolt.
- (b) Reinstall passenger side upper IP side panel.
- (c) Reinstall the passenger side lower IP.
- (1) Make sure to reinstall the bolt.
- (d) Reinstall the passenger side weather strip.

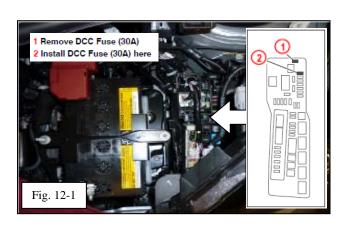
- (e) Reinstall instrument cluster finish panel. (Fig. 2-13)
- (1) Reinstall the disconnected connectors.
- (f) Reinstall driver side knee airbag assembly.
- (1) Torque bolts to 10 N-m (7.0 ft-lbf)
 - (2) Reconnect the disconnected harness clamp if removed.
 - (g) Reinstall hood release cable.
 - (h) Reinstall diagnostic port connector, and TPMS set connector to driver's side lower IP. (Fig. 2-7 & 2-8)
 - (i) Reinstall the driver's side lower IP. (Fig. 2-9)
 - (1) Reinstall the two bolts.
 - (j) Reinstall driver side A-pillar garnish.
 - (1) Insert bottom of A-pillar garnish into upper IP.
 - (2) Insert top A-pillar clip into garnish.
 - (3) Rotate clip 90° to set the clip head into the panel.
 - (4) The longer side of the clip head should be pointing down. (Fig 10-1)
 - (5) Press the A-pillar garnish panel in to set the top and middle clips on the panel.
 - (6) Reinstall the driver side weather strip in the A-pillar area.

11. Install Illuminated Door Sills

- (a) See installation instructions for PT922-74112 if installing illuminated door sills.
- (b) If not installing the illuminated door sills, reinstall the driver side and passenger side cowl panels and door scuff panels.







12. Testing

- (a) Reinstall the negative battery cable.
 - (1) Position the negative battery cable at the original factory position
 - (2) Tighten the nut with 5.4 N-m (48 in-lbf) of torque.
- (3) Do not touch the positive battery terminal with any tool when replacing the cable.
- (b) If necessary, install the 30A DCC fuse. (Fig. 12-1)
- (c) Perform accessory function check.
 - Open a door. The interior light kit or illuminated door sills should light up. The switch LED should be ON.
 - (2) With a door open, press the illumination switch to cycle through all 7 of the colors. (There are two blue color positions when a door is open.)

 $Blue \rightarrow Turquoise \rightarrow Green \rightarrow Yellow \rightarrow Red \rightarrow Purple \rightarrow White \rightarrow Blue$

- (3) With the key in the OFF position, close all doors (INCLUDING TRUNK). The interior light kit or illuminated door sills should turn off. The switch LED should turn OFF.
- (4) With all doors closed, turn the key to ACC/ON. The switch LED should come on.
- (5) With all doors closed and with the key in the ACC/ON position, press the switch to cycle through all 7 of the colors and the off position.

Blue \rightarrow Turquoise \rightarrow Green \rightarrow Yellow \rightarrow Red \rightarrow Purple \rightarrow White \rightarrow Off

(6) If necessary, replace the 30A DCC fuse in the original position.

13. Completing the installation.

- (a) Place operation instruction card into compartment under passenger seat.
- (b) Perform vehicle function checks
- (c) Clean up and remove any trash.

SCIONiQ2012 - 2015INTERIOR LIGHT CONTROLLERChecklist - these points MUST be checked to ensure a quality installation.

Accessory Function Checks	
Open a door	Interior light kit or illuminated door sills should be ON.
Close doors with key in OFF position.	Interior light kit or illuminated door sills should turn off within a few seconds.
Close doors with key in ACC/ON position	Interior light kit should remain on (except if color selection is in the off position)
Switch LED	Switch LED should be ON when a door is open or when key is in ACC/ON position.
Color selection	Color should be selectable when switch LED is illuminated.
Vehicle Function Checks	
USB jack	USB jack should function normally.
VSC/Traction control button	VSC/Traction control should function normally.
Lock/Unlock button.	Lock/Unlock should function normally.
Fog lights	Fog lights should function normally.
Power outside mirrors	Power outside mirrors should function normally.
Hazard lights	Hazard lights should function properly.
HVAC controls	HVAC should function properly.
TPMS button	TPMS connector should be connected.

SCIONiQ2012 - 2015INTERIOR LIGHT CONTROLLERChecklist - these points MUST be checked to ensure a quality installation.

Check	knst - these points with i be checked	to ensure a quanty instanation.
	Hood release cable	Hood release should function normally.
	Dome lamp.	Dome lamp should function properly.

Note: Cut along solid lines

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