

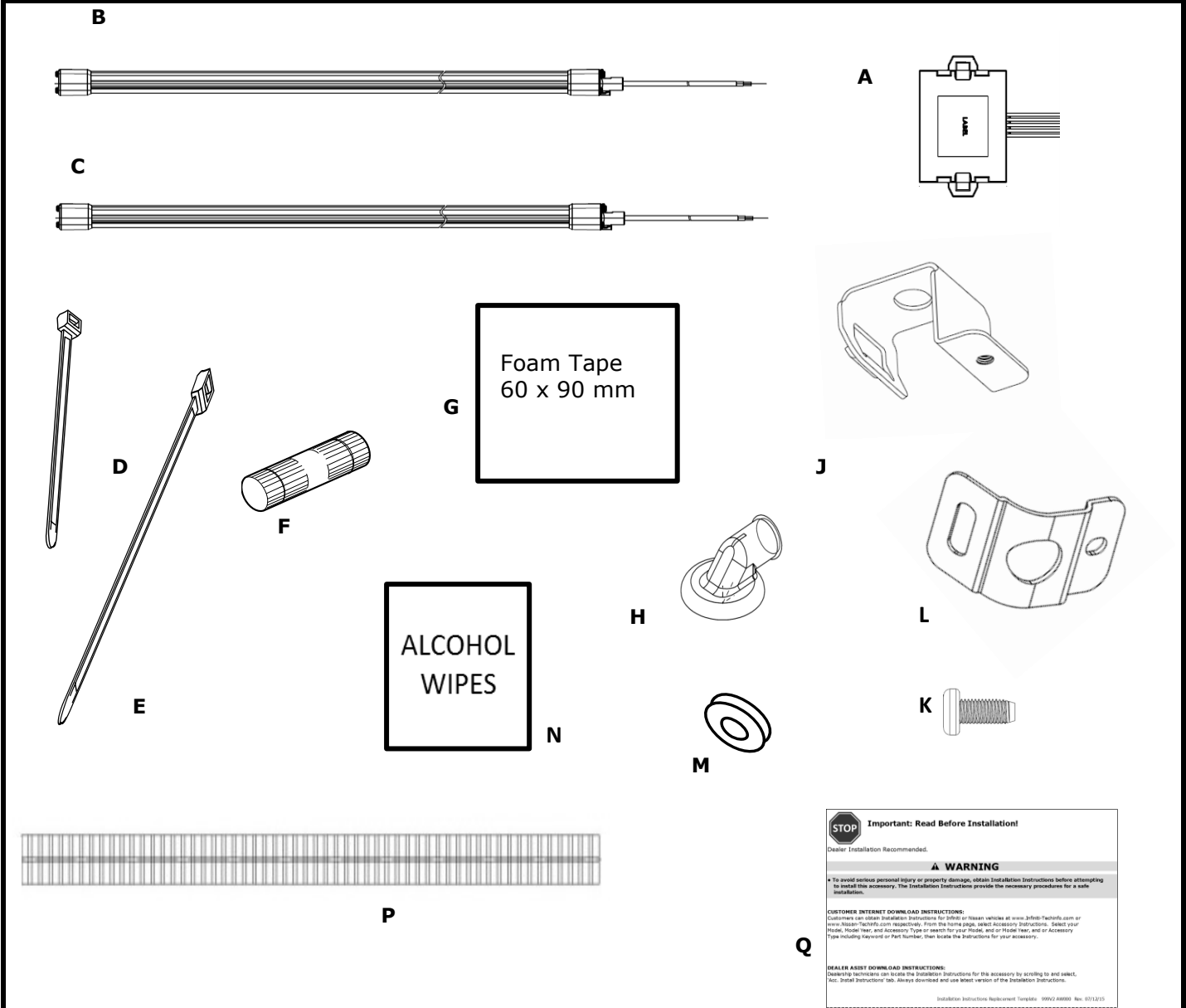


GENUINE PARTS

INSTALLATION INSTRUCTIONS

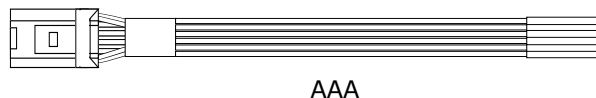
DESCRIPTION:	Infiniti Welcome Lighting Kit
APPLICATION:	Q50 / Q60
PART NUMBER(S) REQUIRED FOR INSTALLATION:	T99F4 5CH1C -Welcome Lighting Kit (2) T99F6 4RA0A , Accessory Service Connector - not included in kit

KIT CONTENTS:



ADDITIONAL SERVICE PARTS NOT INCLUDED IN KIT ABOVE :

Item	Qty.	Part Description	Service Part Number
AAA	2	Accessory Service Connector	T99F6 4RA0A



**PART NUMBER(S)
REQUIRED FOR
INSTALLATION:**

T99F4 5CH1C -Welcome Lighting Kit.

(2) T99F6 4RA0A , Accessory Service Connector - not included in kit above

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Control Module	Not Serviceable- Part of Kit T99F4 5CH1C
B	1	Welcome Light B 1.1M (RH)	
C	1	Welcome Light B 1.1M (LH)	
D	16	• Wire Tie 8 inch LG Black (203 mm x 4.7mm x1.27)	
E	1	• Wire Tie 12 inch LG Black (305 mm x 4.7mm x1.27)	
F	9	• Posi-Tap™ Connector	
G	5	• Foam Tape, 60 x 90 x 5 mm	
H	4	• Rubber Grommet [two not used on Q50 / 60]	
J	6	• Bracket-Upper	
K	6	• 4 mm Screw	
L	6	• Bracket Strap - Lower	
M	2	• Rubber Grommet 12mm (used on Q50 / 60 only)	
N	2	• Alcohol Wipes	
P	1	• Convoluted Tubing 762 mm	
Q	1	II REPLACEMENT TEMPLATE CARD	

TOOLS REQUIRED:

- Angled Trim Removal tool, nylon
- ST Trim Removal Tool, Nylon
- Drill Head
- Metric scale
- Screwdriver, Torx T-20
- Torque Wrench, 1/4" drive
- Towel, Soft Non-Linting
- Pliers, Wire Cutting
- Electrical Tape
- Flashlight
- Shop Vac
- Protective Gloves
- Soap and Water Solution
- Work Light
- 5 mm drill bit
- Wrench, 10mm
- Ratchet, 1/4" drive
- Deep Socket, 10mm, 1/4" drive

INSTALLATION CAUTIONS:

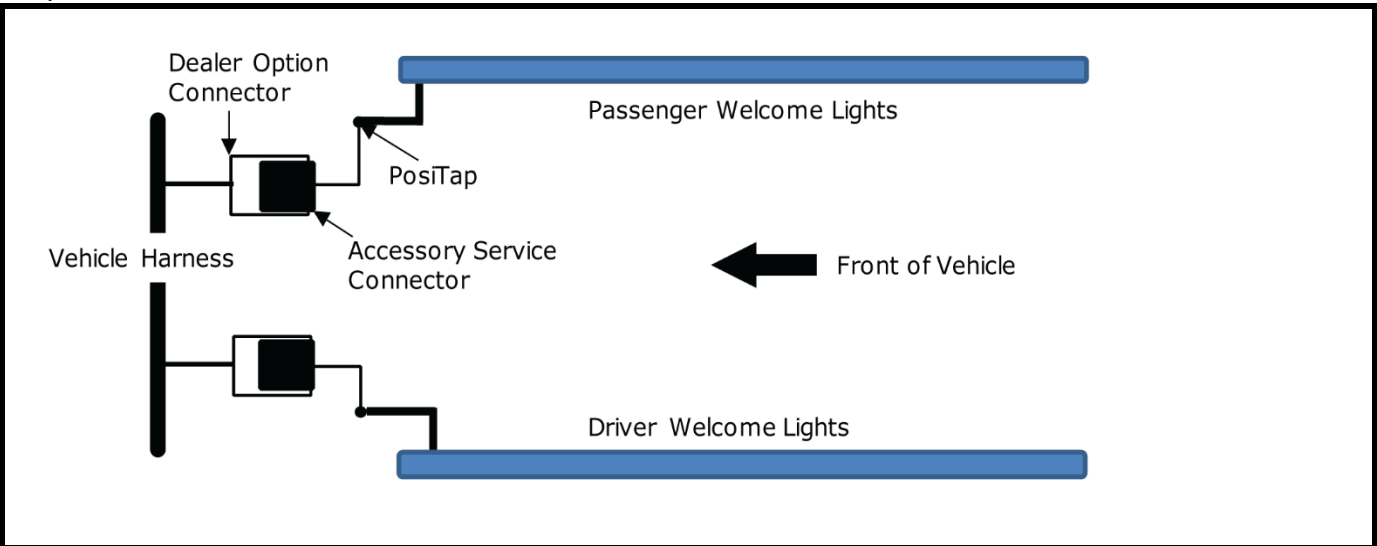


CAUTION

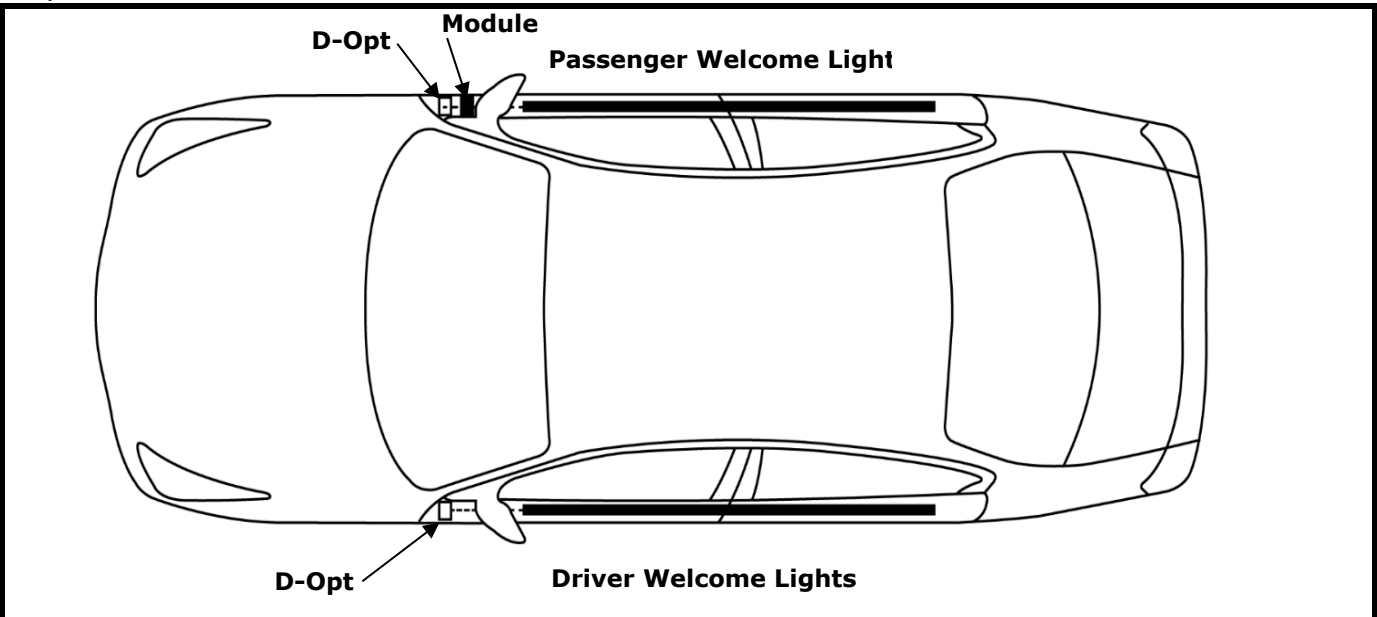
- Dealer installation recommended. Instructions may refer to Service Manual.
- Please read this instruction carefully before installing this product for correct installation.
- Please DO NOT use or install the part in ways other than what is described.
- Always use floor, seat and steering wheel protection.
- Parts utilizing adhesion as method of attachment are to be installed at surface temperature of 15-38°C
- Posi-Tap™ instructions must be specifically followed as described in Appendix A.
- Apply masking tape as needed to protect areas that may be scratched or damaged by tools.
- Always remove vehicle parts in the sequence directed. Improper procedure can damage parts.
- Take care not to scratch or damage any component during the removal or re-installation process.
- Trim pieces found to have witness marks or broken clips ARE NOT to be reinstalled.
- Store removed parts in a safe manner.
- If a problem occurs during installation, please contact Nissan dealer where product was purchased.

SECTION 1 - OVERVIEW

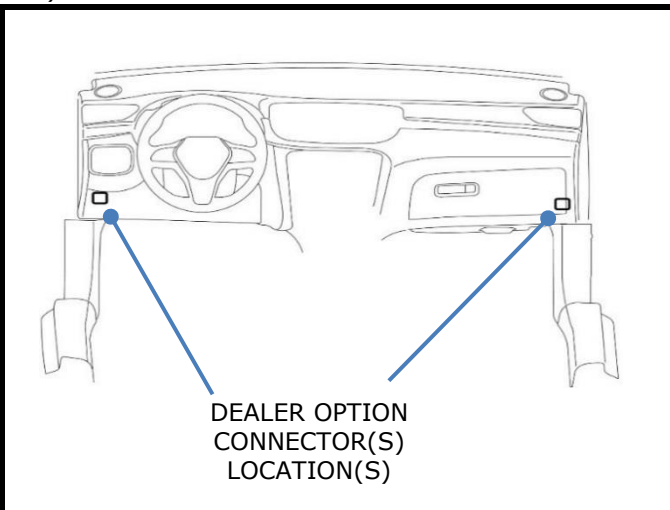
1.1) SYSTEM



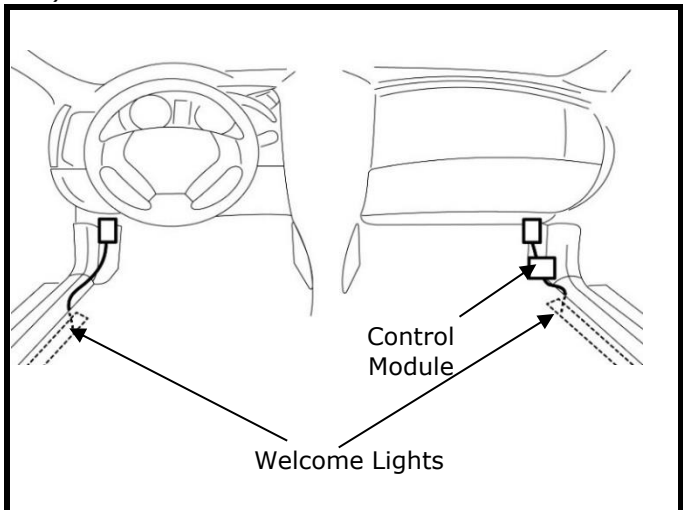
1.2) VEHICLE



1.3) D-OPT CONNECTOR LOCATION



1.4) VEHICLE - ROUTING



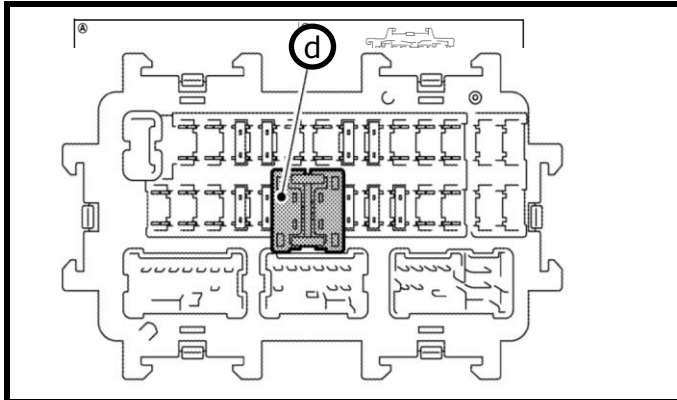
SECTION 2 - VEHICLE PREPARATION



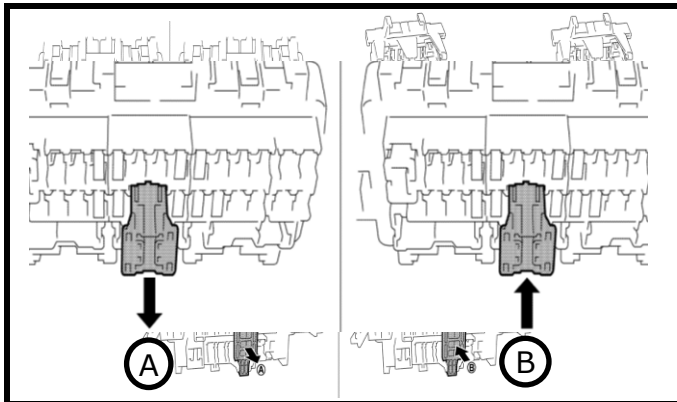
CAUTION

• Always confirm the ignition is in the "OFF" position before changing the E.S.S. position.

• If E.S.S. is not in Customer Mode, there will be a loss of normal vehicle operation, preventing accessory function check.



- 2.1) Check Extended Storage Switch Position
- a) Put shift lever in "P" position for A/T and CVT or "1st" for M/T .
 - b) Apply park brake.
 - c) Place ignition in "OFF" mode.
 - d) Locate Extended Storage Switch in cabin
 - e) Confirm Extended Storage Switch is in "Customer" (In/Engaged) position.
 - f) If ESS is not In/Engaged, then proceed to step 2.2 .



- 2.2) Changing ESS Position
- a) To disengage Customer Mode, pull out in **A** direction as shown.
 - b) To engage Customer Mode, press in **B** direction as shown.

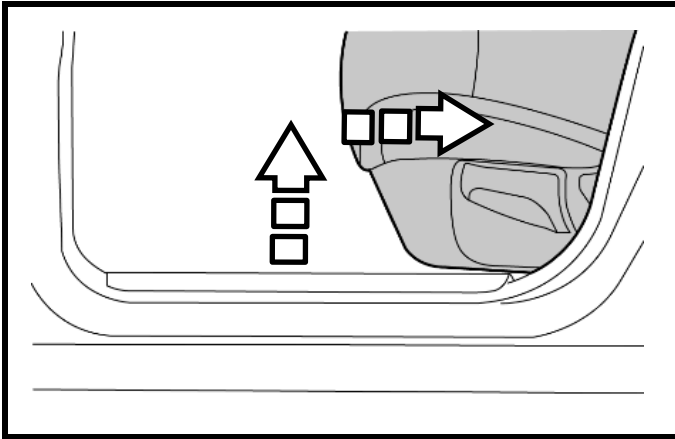
Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

- 2.3) Record Customer Presets
- a) Place ignition in "ON" mode.
 - b) Record the customer radio presets and other presets as required.

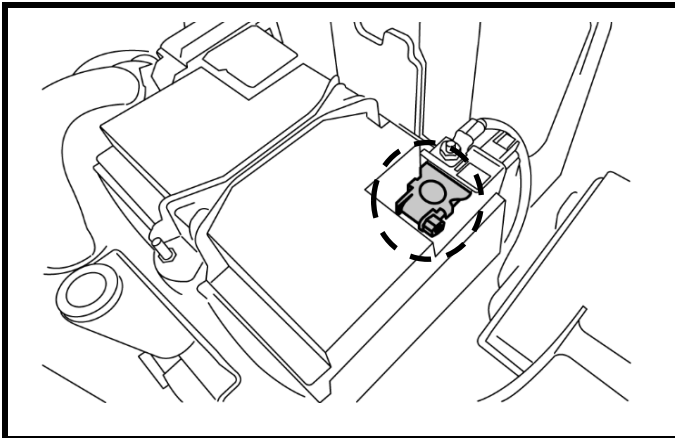
Preset	1	2	3	4	5	6	7	8	9	10

- c) Place ignition in "OFF" mode.

SECTION 2 - VEHICLE PREPARATION



- 2.4) Move seats.
- Move both front seats to full upward and rearward position.



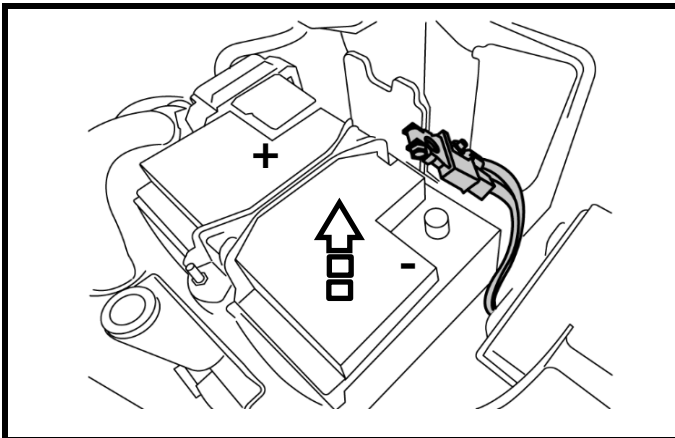
- 2.5) Battery terminal removal.
- Locate negative battery terminal.
 - Loosen negative battery terminal nut.

Battery Terminal Nut



⚠ CAUTION

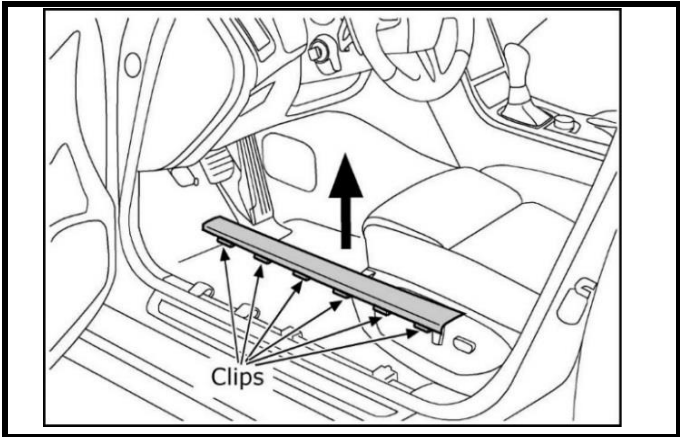
- Allow 3 min after key off with doors closed for vehicle power to time out.



- 2.6) Battery terminal removal.
- Lift negative battery terminal off nut.
 - Isolate negative battery terminal.
- Socket, 7mm, 1/4" drive**

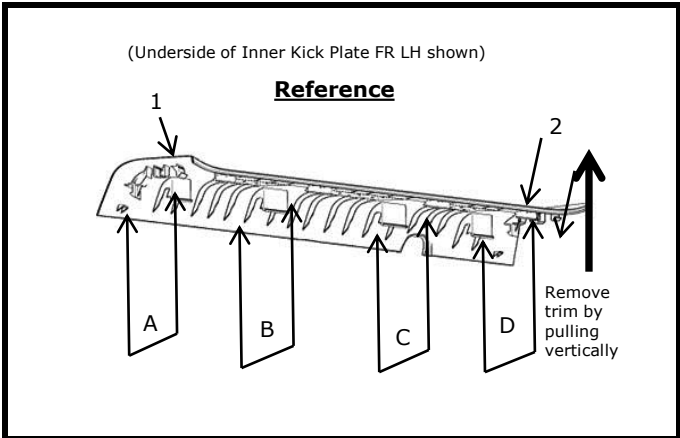
⚠ CAUTION

- Allow 3 min after negative terminal disconnect before separating any electrical connectors.

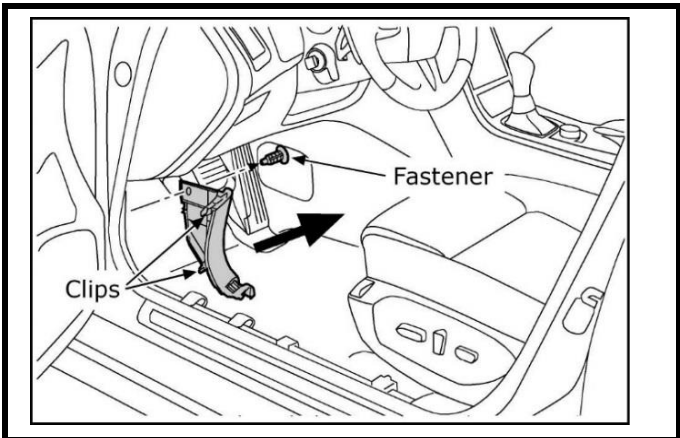


2.7) Use trim stick to carefully pry off trim panel at six (6) clip locations along bottom door seal. Remove footwell trim panel by pulling vertically.

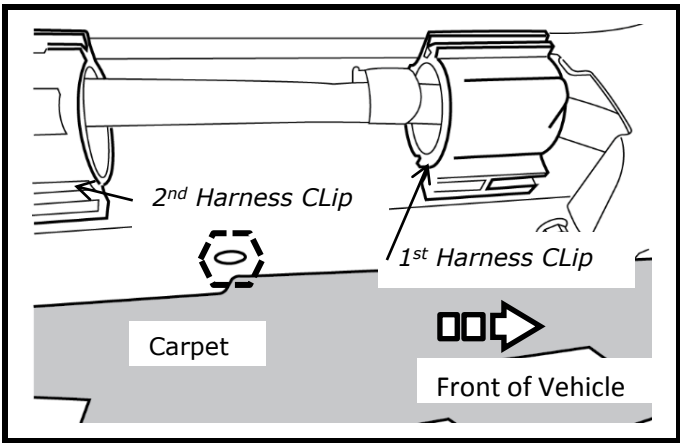
NOTE:
Be careful not to damage clips on panel.
See Fig. 2 for reference.



2.8) Clips are located at locations labeled; 1, 2, and A thru D as shown. Note locations and orientations to avoid damage.



2.9) Remove one (1) fastener clip from the outer footwell trim panel (LH). Use a trim stick to carefully pry off the trim panel at clip locations shown in Fig. 3. Remove part horizontally toward center of vehicle.

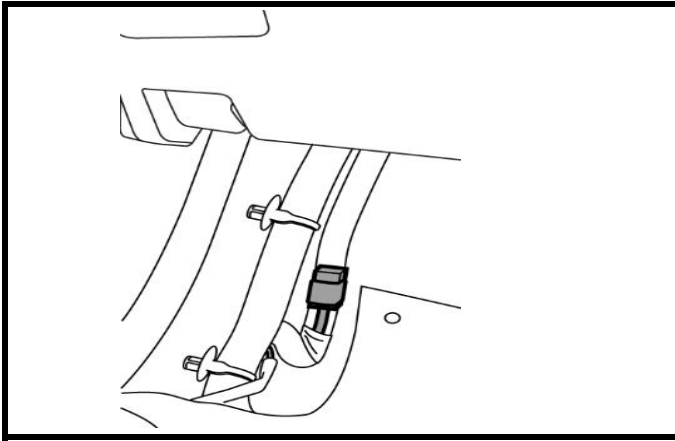


2.10) Expose the LH sill inner hole for harness pass through.

- Remove carpet from attachment hooks on harness clips.
- Carefully peel back tape disk to expose 12 mm access hole on inside surface of door sill. Hole is located between first two wire harness clips.

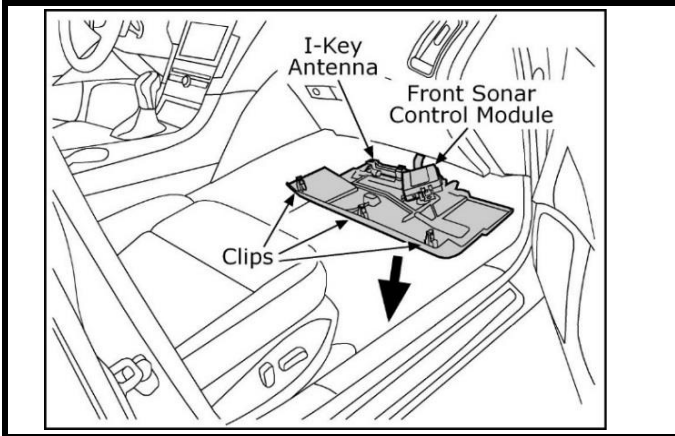


SECTION 2 - VEHICLE PREPARATION



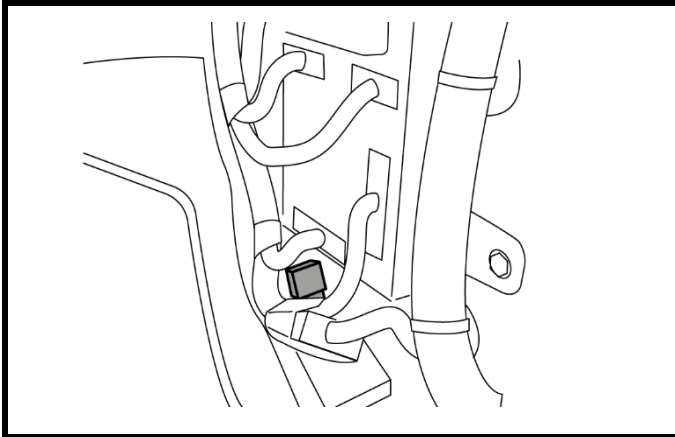
- 2.11) Prepare Driver side Accessory connector:
a) Locate driver side D-Opt Connector plug. It will be taped to harness below dash along outer wall of footwell.

MOVE TO PASSWNGER SIDE



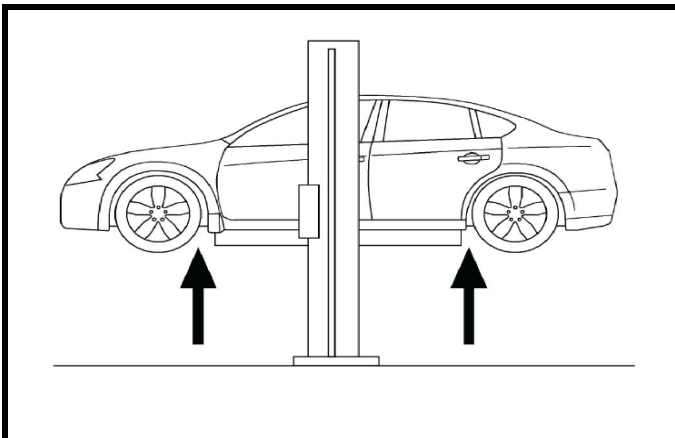
- 2.12) Remove Cover Instrument Lower RH from underneath the glovebox, do not unplug the connectors from the Key FOB sensor or the Front Sonar Controller. Both units must be removed without being disconnected from the harness.

- 2.13) Repeat steps 2.7 - 2.10 to remove trim on AS (passenger side) of vehicle.



- 2.14) Locate RH D-Opt connector
a) Locate Dealer-Option connector It will be taped to harness below dash along outer wall of footwell.

D-Opt Connector 

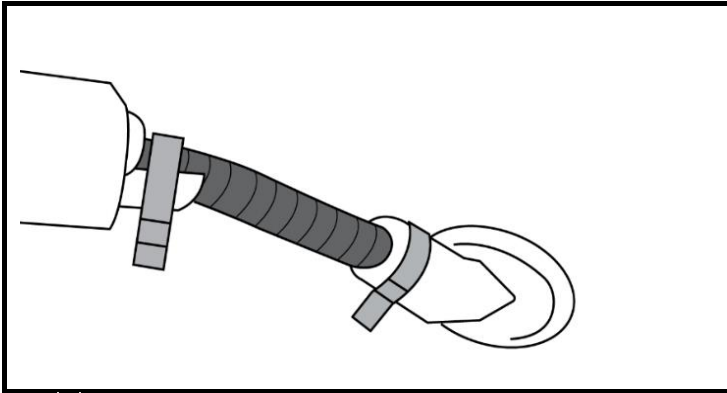


- 2.15) After step 2.14 Lift vehicle for next steps.
a) Locate lift points, set hoist arms and raise vehicle to necessary work height.

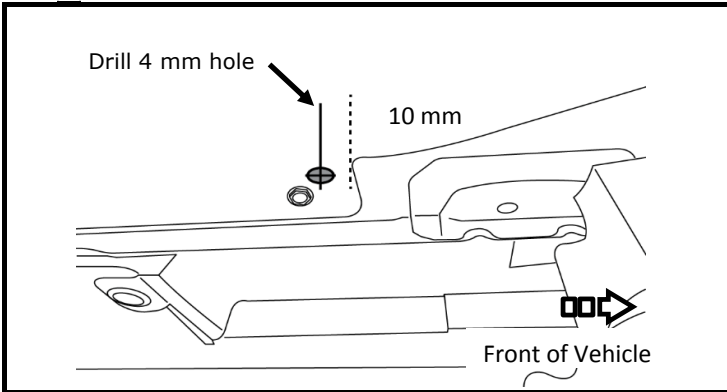
WARNING

- Always use proper lift points as specified in Service Manual Section: GI
- Be sure vehicle is secure on locks before proceeding underneath.
- Never get under the vehicle when it is supported only by the jack. Always use safety stands.

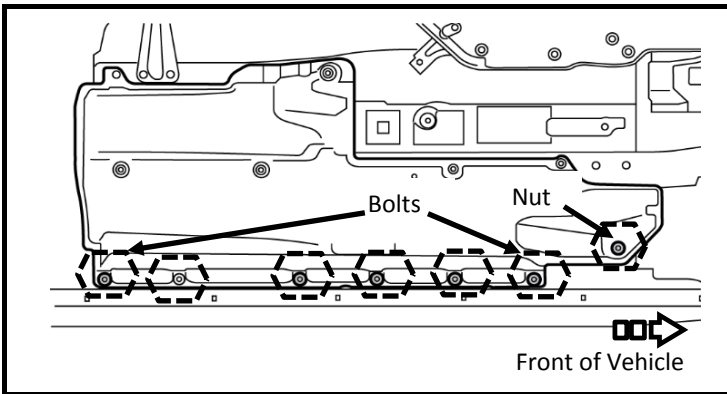
SECTION 2 - VEHICLE PREPARATION



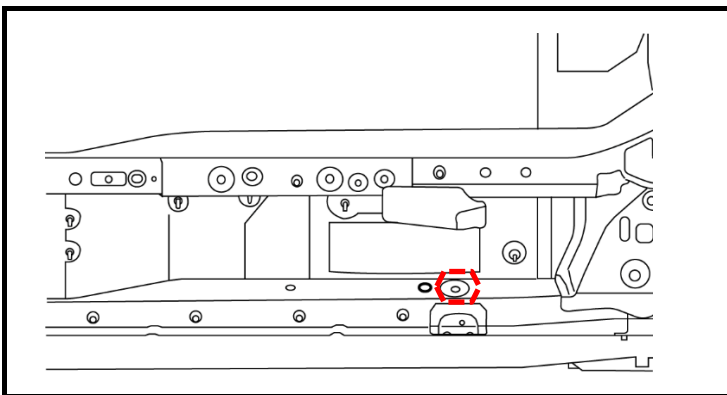
- 2.16) Prep both light bars for mounting
- Cut two (2) 130 mm pieces of convoluted tubing and slide convoluted tubing over harness and secure to light bar end with a tie strap.
 - Slide a grommet over wire harness and over end of convolute. Tie strap at light bar and grommet as shown in insert.



- 2.17) Drill 4 mm hole in floor under shield 10 mm from front edge of shield where the shield bends down as shown for convolute retention with tie strap



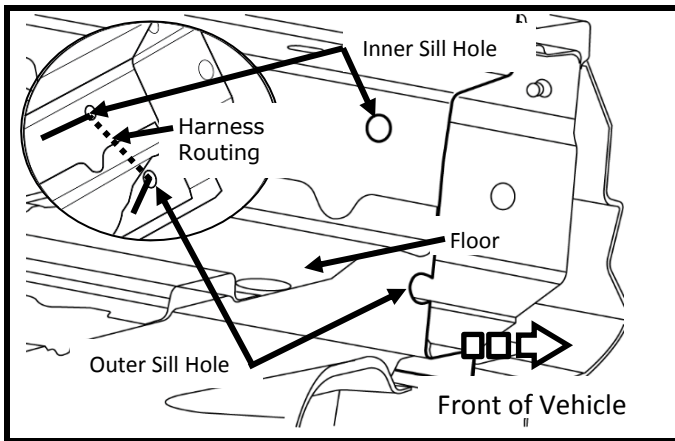
- 2.18) Remove front nut and 6 bolts from the Driver's side floor under shield as shown.
- Remove 1 nut and bolts 1,2,3,4,5,6



- 2.19) Pull floor under shield away and remove plug from hole in vertical wall of sill. Located toward the front of the vehicle as shown.
- 2.20) Repeat steps 2.17 - 2.19 for AS (Passenger side) of vehicle.

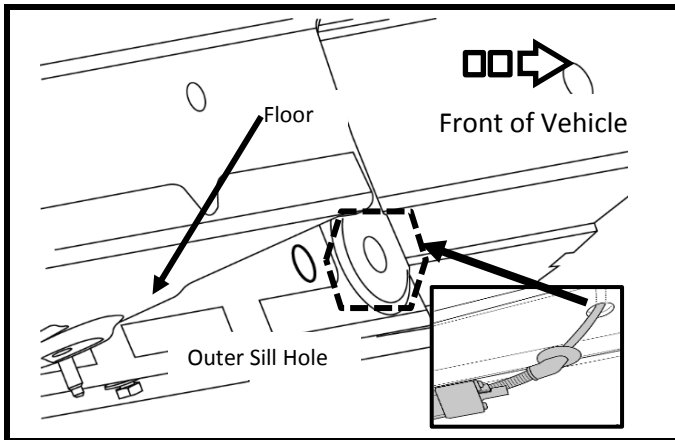


SECTION 3 - Install



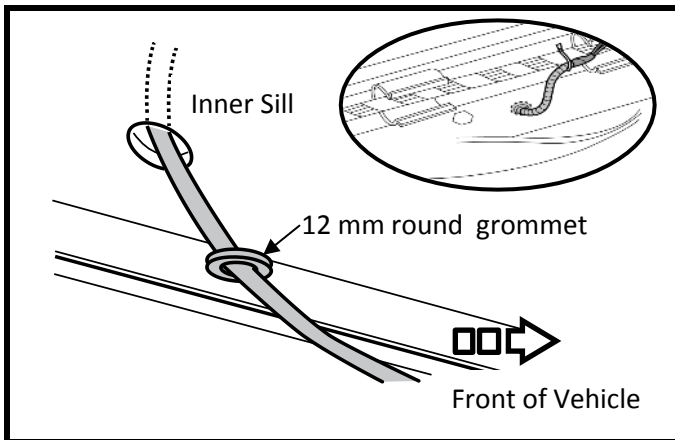
- 3.1) Route DS harness and seat outer grommet
- a) Route tie strap, or light gauge wire formed in a curve through sill from inside to outside as shown, tape harness to tie strap and feed through sill to inside body.

NOTE: Tie Strap fed from Inner sill to outer sill hole.



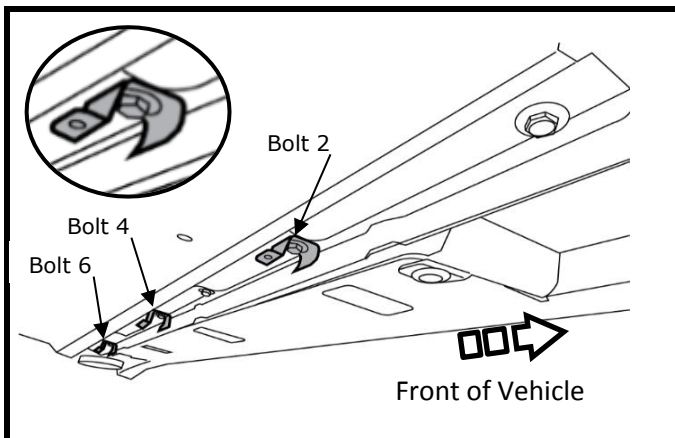
- 3.2) Seat Grommets on the outside sill
- a) Pull center side skirt down seat grommet in outer sill drilled hole after you feed harness to inside sill.

NOTE: Outer Sill Grommet will stay seated if the Harness is feed through the inner sill hole and Inner sill Grommet is installed.



- 3.3) Feed small round grommet over harness on inside of LH side and seat in access hole.
- a) Peel off sticker on inner sill hole to access hole in inner sill.
 - b) Feed harness on inside of vehicle through one of the small round grommets, seat grommet on sill.

NOTE: Small round grommet is not directional and can be mounted either way.



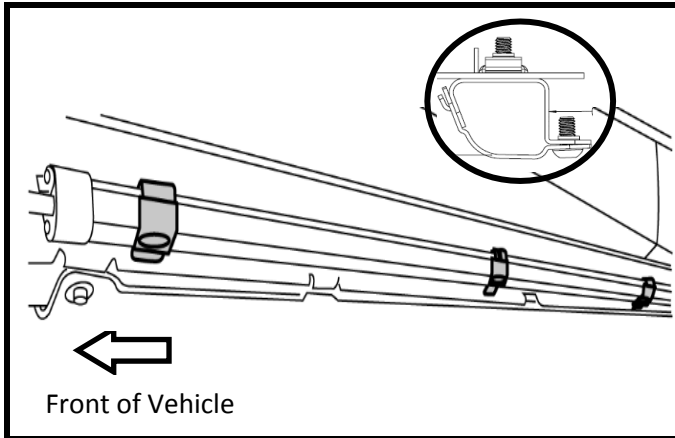
- 3.4) Reinstall bolts and nut on the LH Driver's side, previously removed from the floor under shield, while installing the top half of the brackets, in locations 2, 4, 6 that hold the outboard side of the floor under shield.

- a) Hold brackets square to pinch weld.
- b) Replace all remaining nuts and bolts removed
- c) Torque bolts to 2 - 3 Nm maximum.

SECTION 3 - Install



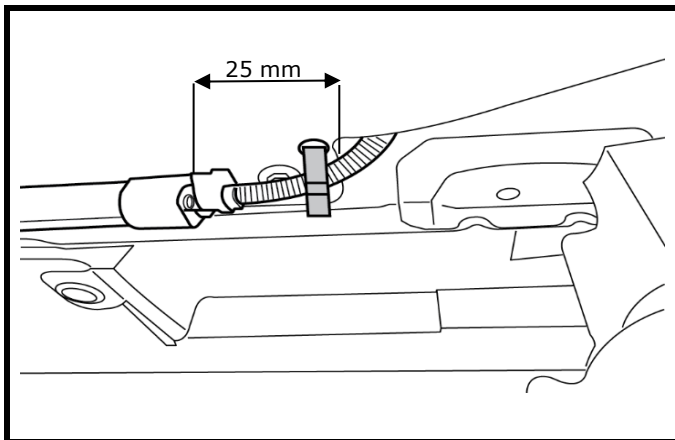
Sample Light Bar Label (on side of bar)



3.5) Bar labeled 11L on label is mounted on the Driver's side and Bar labeled 11R on label is mounted on the Passenger side.

3.6) Mount Light Bars

- a) Carefully line up end of the light bar with 1st bolt holding floor under shield and snap light bar into bracket.
- b) Snap light bar into brackets by placing curved end into outboard hooked end and snap toward inside of vehicle.
- c) Hook lower bracket to upper and secure with screw.
- d) Torque to 2 - 3 Nm.



3.7) Tie strap convolute tubing to hole drilled in floor under shield to hold to hold tubing.

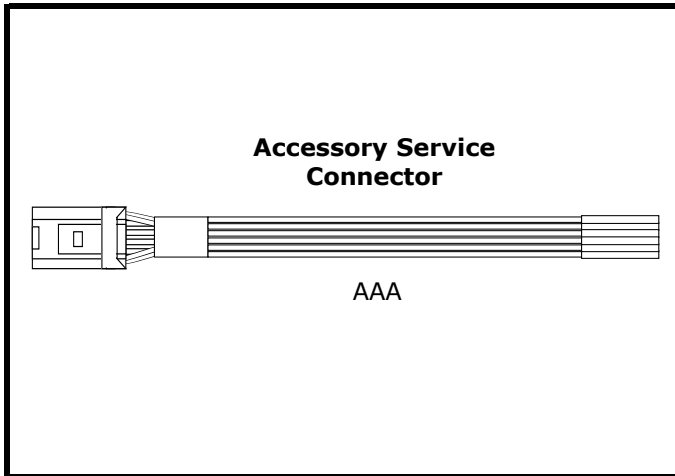
- a) Make sure outer grommet is seated before installing tie strap.
- b) Tighten tie strap after convolute is tight to floor under shield.

3.8) Repeat Steps 3.1 - 3.8 on RH Passenger side of vehicle.

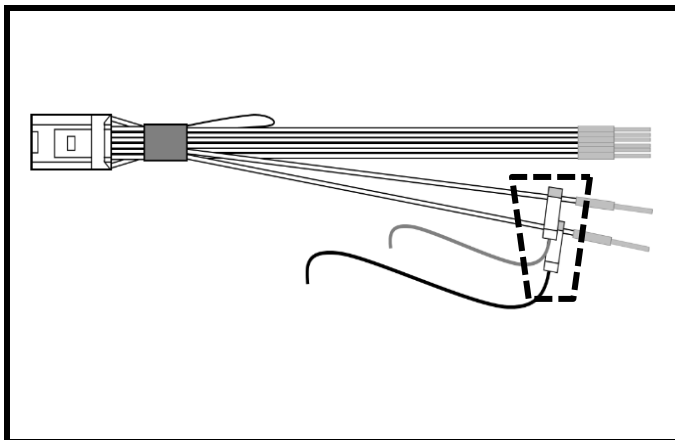
3.9) LOWER VEHICLE

CAUTION

- The Accessory Service Connector is for use **ONLY** with Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories. Use of this connector with non Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories or failure to follow the installation instructions for said connector being mentioned herein may result in damage to the accessory and/or your vehicle.
- Nissan/Infiniti is not liable for loss or damage due to improper installation or installation of non Genuine or non approved accessories.



- 4.1) Connect Accessory Service Connector
 - M) Accessory Service Connector (AAA) pin-out is shown.
 - b) For direction on how to connect Posi-Tap refer to Appendix A.
 - c) For additional circuit information refer to Appendix B.

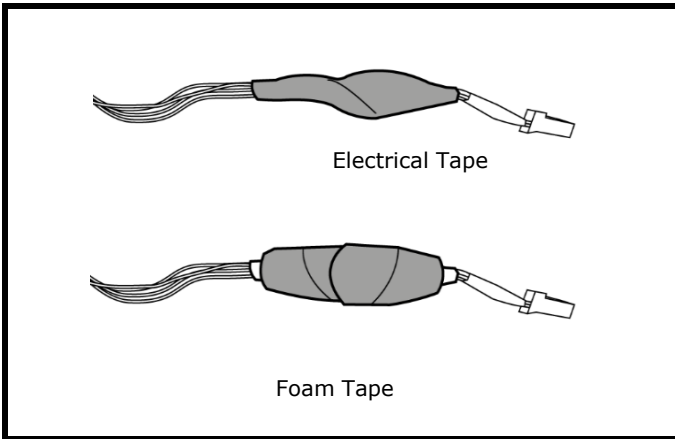


- 4.2) Installing Posi-Tap™ on LH (Driver's side) Accessory Service Connector.
 - a) Black wire from LED Harness to Black wire on Accessory Service Connector Harness.
 - b) Red wire from the LED Harness to the Grey wire on the Accessory Service Connector Harness.

Posi-Tap™ (F)



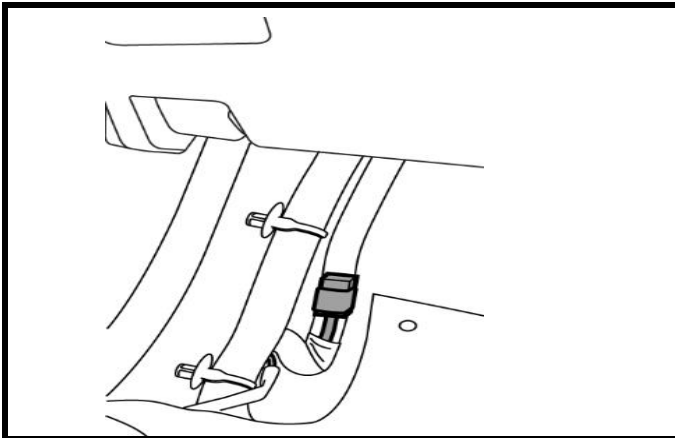
SECTION 4 - ASC CONNECTION & FUNCTION CHECK



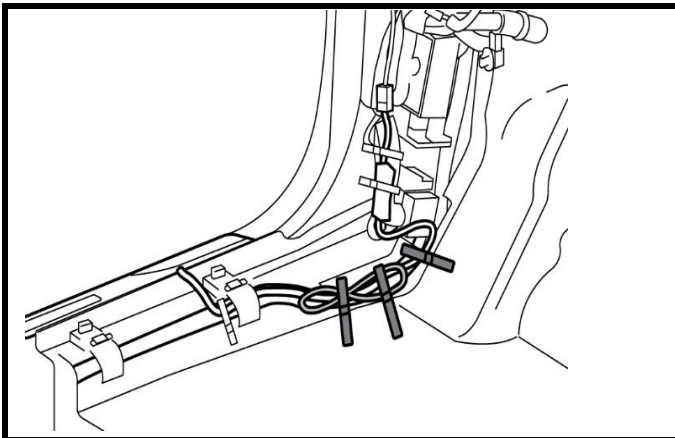
4.3)

Wrap Posi-Taps™ with electrical tape as shown. Do not wrap Accessory harness wires not used.

- Wrap Posi-Taps™ with electrical tape.
- Wrap electrical tape bundle with foam tape.



4.4) Plug Accessory Connector Harness into vehicle connector plug on LH (Driver side).



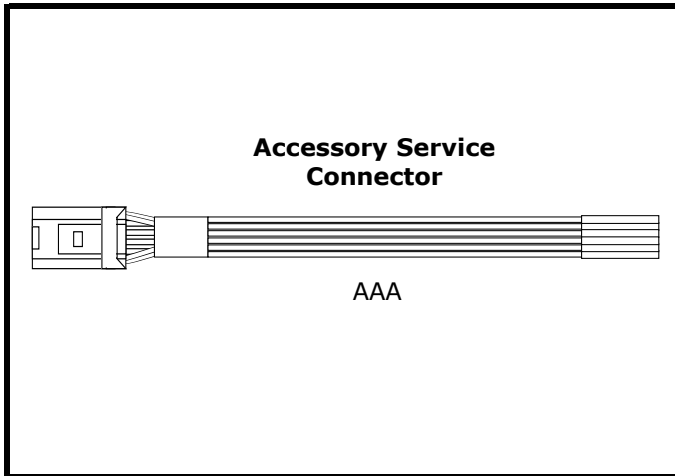
4.5) Dress excess harness as and tie strap as shown.

NOTE:

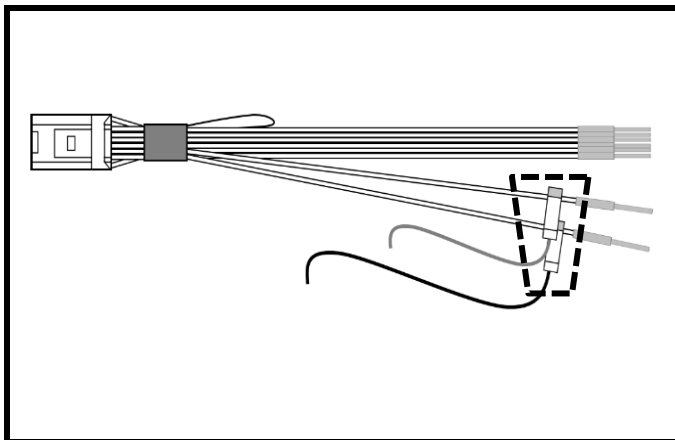
Recommended spacing for cable ties is 100mm to 120mm. Position cable ties as shown.

! CAUTION

- The Accessory Service Connector is for use **ONLY** with Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories. Use of this connector with non Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories or failure to follow the installation instructions for said connector being mentioned herein may result in damage to the accessory and/or your vehicle.
- Nissan/Infiniti is not liable for loss or damage due to improper installation or installation of non Genuine or non approved accessories.



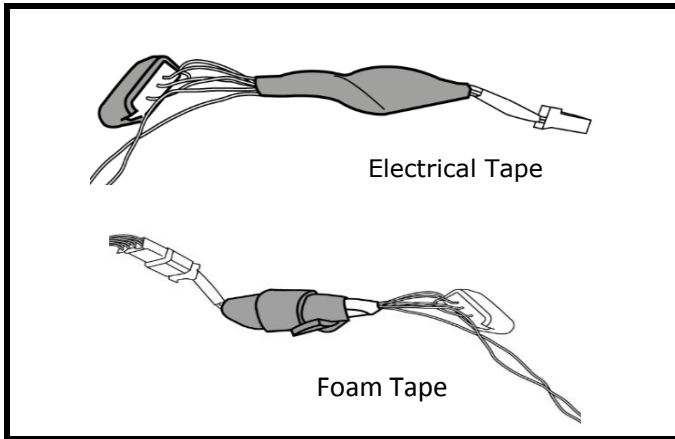
- 4.6) Connect Accessory Service Connector
- a) Accessory Service Connector (AAA) pin-out is shown.
 - b) For direction on how to connect Posi-Tap refer to Appendix A.
 - c) For additional circuit information refer to Appendix B.



- 4.7) Installing Posi-Tap™ on RH (Passenger side) Accessory Service Connector.
- a) Black wire from Control Module to Black wire on Accessory Service Connector Harness.
 - b) Pink wire from Control Module to Pink wire on Accessory Service Connector Harness.
 - c) Yellow wire from Control Module to Yellow wire on Accessory Service Connector Harness.
 - d) White wire from Control Module to White wire on Accessory Service Connector Harness.
 - e) Grey wire from the Control Module to Grey wire on the Accessory Service Connector Harness.
 - f) Black wire from LED Harness to Black wire on the Controller Module Harness.
 - g) Red wire from LED Harness to Grey wire on Controller Module Harness.

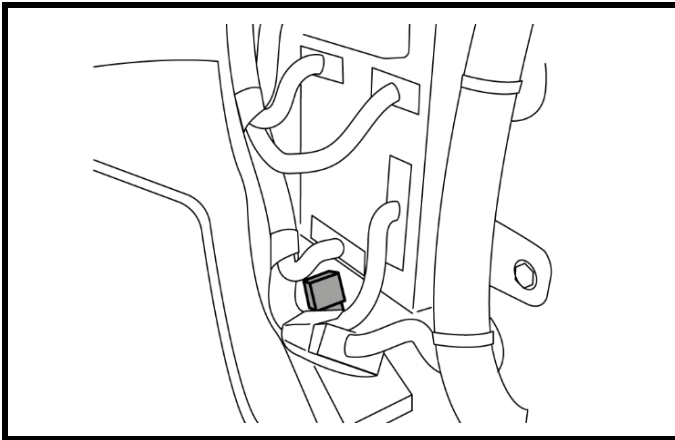
Posi-Tap™ (F) 

SECTION 4 - ASC CONNECTION & FUNCTION CHECK

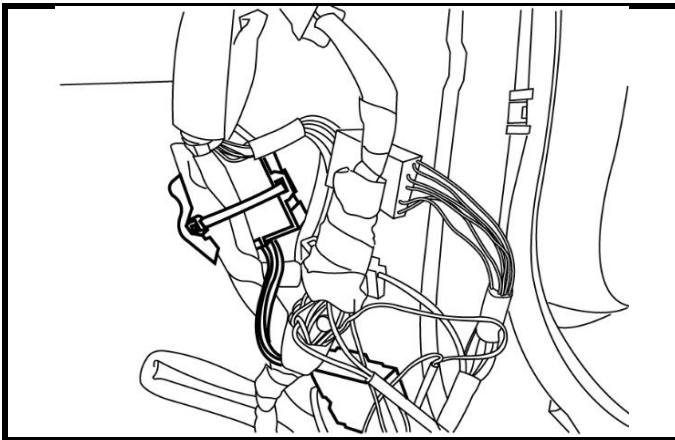


4.8)

- Wrap Posi-Taps™ with electrical tape as shown. Do not wrap Accessory harness wires not used.
- Wrap Posi-Taps™ with electrical tape.
 - Wrap electrical tape bundle with foam tape.



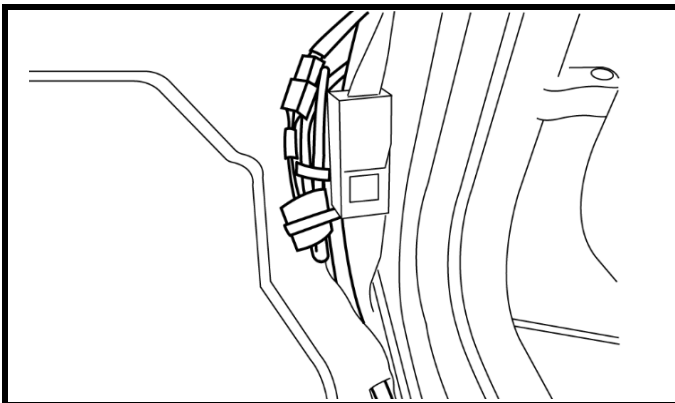
- 4.9) Plug Accessory Connector Harness into vehicle connector plug on RH (Passenger side).
- Tie strap module to harness and wrap in foam tape to prevent rattle.



- 4.10) Dress excess harness as and tie strap as shown.

NOTE:

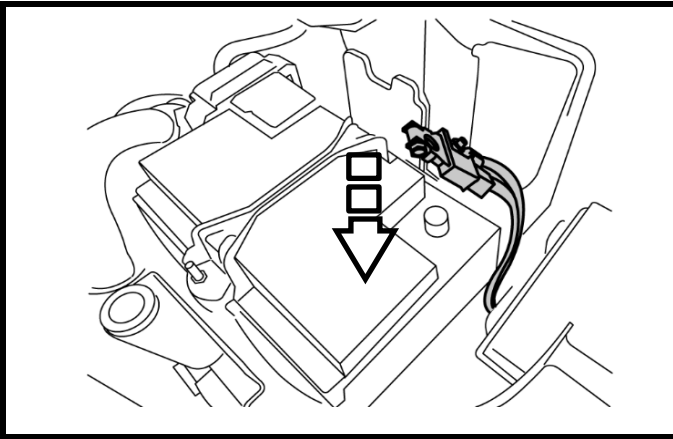
Recommended spacing for cable ties is 100mm to 120mm. Position cable ties as shown.



- 4.11) Mount Control Module

- Wrap control module in foam tape.
- Tie Strap module to harness as shown.

SECTION 5 - FINAL

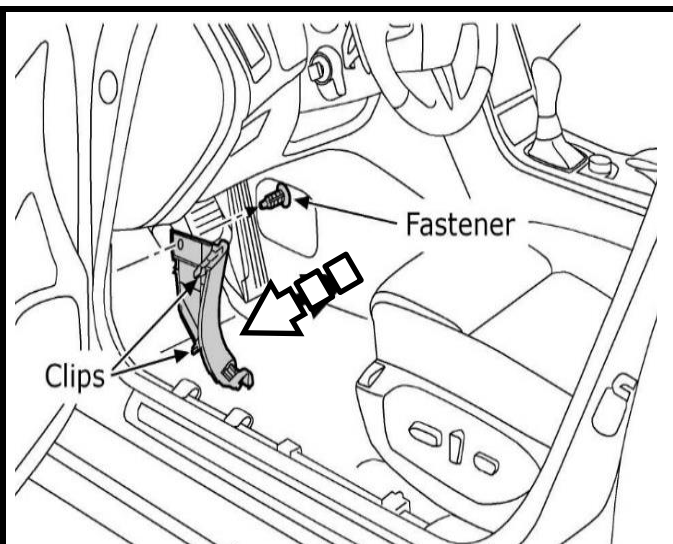


- 5.1) Electrical function check
 - a) Close all doors
 - b) Re-connect negative battery cable
 - c) Use key unlock and lock on key fob and check if lights follow room lamp operation.
 - d) Verify the security lighting turns on and off with the dome lamp in the car.

If NG, check harness routing, connections, and module to identify root cause.

CAUTION

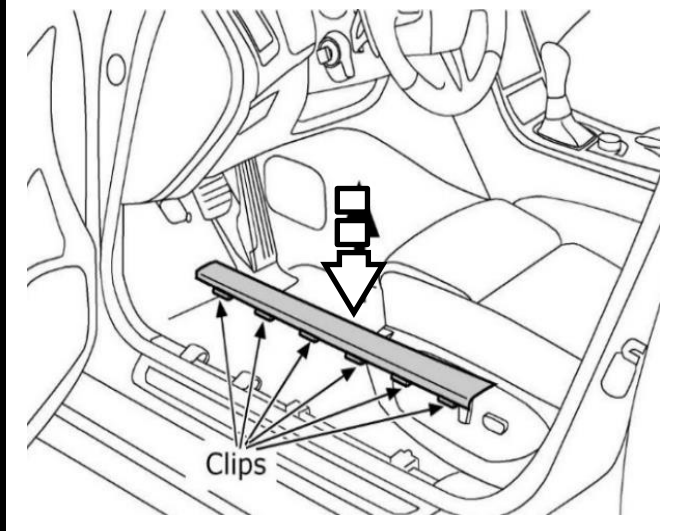
When diagnosing electrical system problems, first disconnect the accessory connectors and note effect on vehicle system. Continue the investigation with the accessory connectors disconnected. Reconnect when the investigation is complete.



- 5.2) Re-Installation of Trim
 - a) Reinstall Drivers side inner footwell panel and one fastener clip.
 - b) Reinstall the Drivers side trim panel along the bottom door seal.
 - c) **Repeat steps for Passenger side of vehicle.**

NOTE:

Be sure all clips are properly aligned. Be careful not to damage any clips on the panels during reinstallation.



 **CAUTION**

Take care not to scratch or damage any component during the removal or re-installation process. Trim pieces found to have witness marks or broken clips should be replaced with new parts.

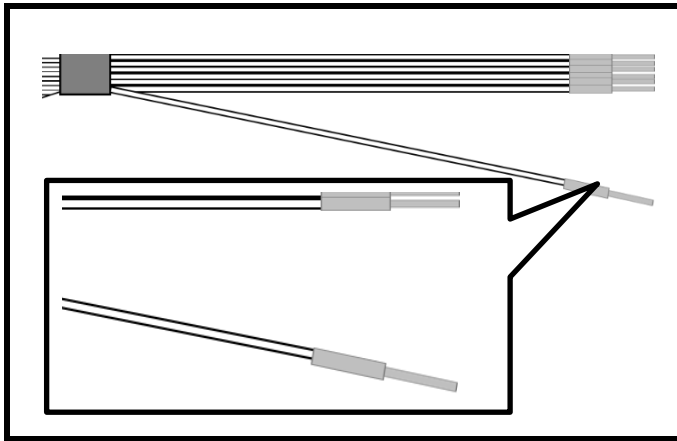
5.3) Complete checklist:

- Tighten battery terminal nut to 5 N-m.
- Verify re-installed trim parts for proper fit (no gap, waviness, etc.), particularly the door sill
- Verify all windows and sunroof (if equipped), one touch operation and perform the reset procedure if necessary. Refer to the vehicle Service Manual for more details.
- Re-program radio presets and other vehicle settings to the recorded settings if necessary.
- If this vehicle will be returned to a dealer lot or showroom for an extended period of time, be sure the Extended Storage Switch is placed in the Transit position. See step 2.2 .
- Remove all tools, templates, and other debris from interior of vehicle.
- Verify vehicle headliner, seat, steering wheel, center console, carpet, etc. are not soiled.
- Verify interior and exterior are not damaged.

5.4) Accessory Final checklist:

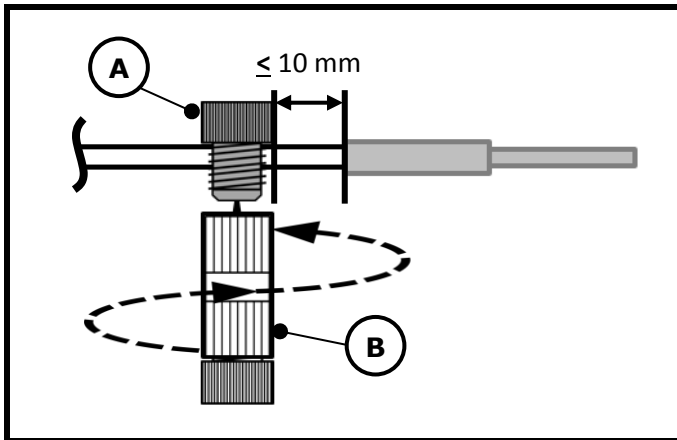
- Close all doors.
- Using the keyless entry fob, press the door unlock.
- Verify the security lighting turns on and off with the dome lamp in the car.
- Enter the car and press the door unlock and then start the car.
- Verify the welcome lamps turn off when the car starts.
- With the car running, shifter in park, open the door and verify the lights remain off.
- Turn off car and open door again and verify welcome lights and dome lamp
- Unlock the doors, wait and then lock the doors. The welcome lighting should turn off with the dome lamp.

APPENDIX A - POSI-TAP PROCEDURE



A.1) Installing Posi-Tap™ on Accessory Service Connector (AAA)

- a) Identify and confirm ASC wire to be tapped. Check color as well as connector location.
- b) Separate wire from rest of bundle.

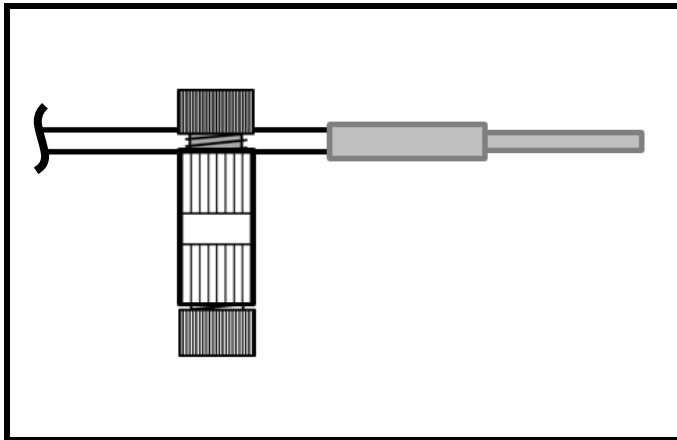


A.2) Installing Posi-Tap™ on ASC (AAA)

- a) Remove pierce cap (A) gray side from tap
- b) Slide cap around single wire to be tapped
- c) Position cap ≤ 10 mm away from heat shrink end of connector
- d) Turn tap (B) clockwise until finger "tight". Then secure to cap (A) with another $\frac{1}{4}$ turn.

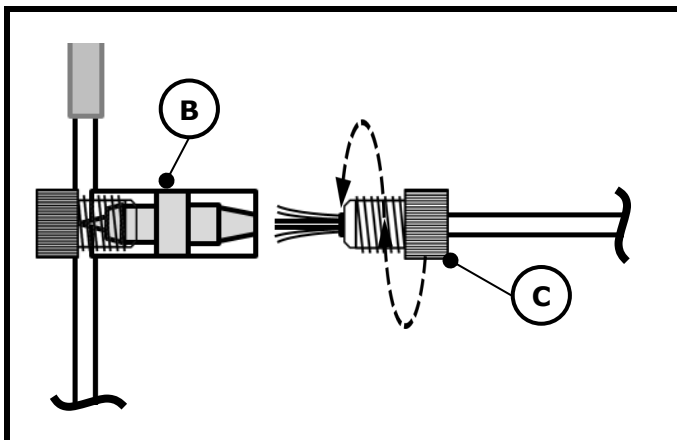
CAUTION

Do not overtighten Posi-Tap, it may damage wire



A.3) Installing Posi-Tap™ on ASC (AAA)

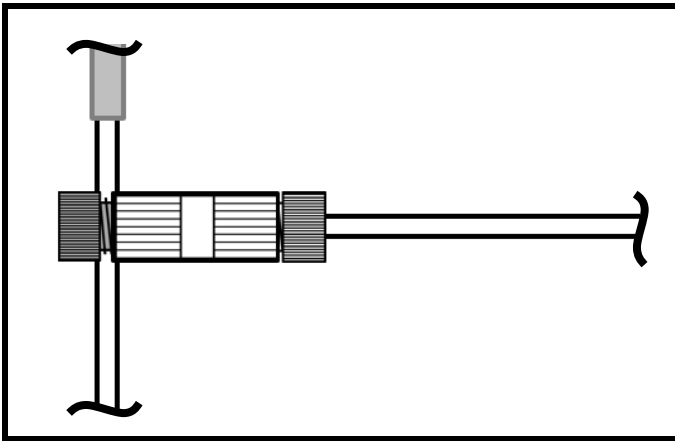
- a) Inspect Posi-Tap™ to ensure correct installation.
- b) Wire jacket should be crushed enough to maintain pressure.
- c) Confirm tap cap gap is straight and evenly spaced around perimeter.



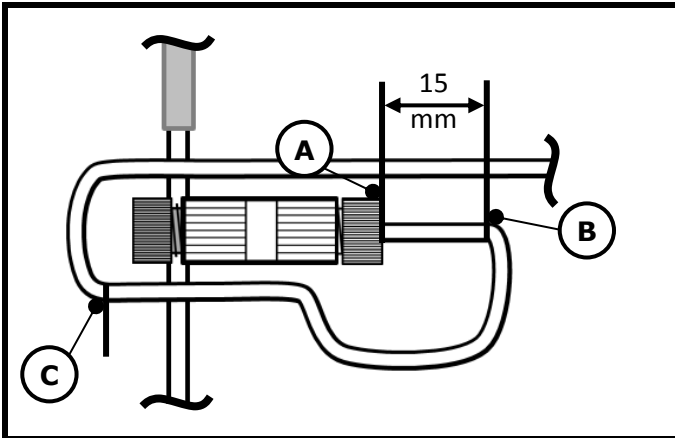
A.4) Installing Accessory wire into Posi-Tap™

- a) Remove tap bottom (C) red side from tap body (B).
- b) Remove the pre cut insulation from correct Accessory wire.
- c) Insert wire through tap bottom (C) opening.
- d) Fan out individual wire strands as shown.
- e) Insert wire into tap body until it bottoms
- f) Turn tap bottom (C) clockwise until finger "tight". Then secure to tap body (B) with another $\frac{1}{4}$ turn.

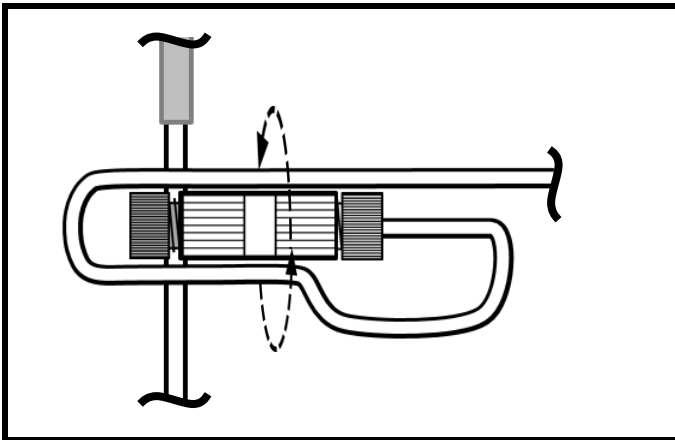
APPENDIX A - POSI-TAP PROCEDURE



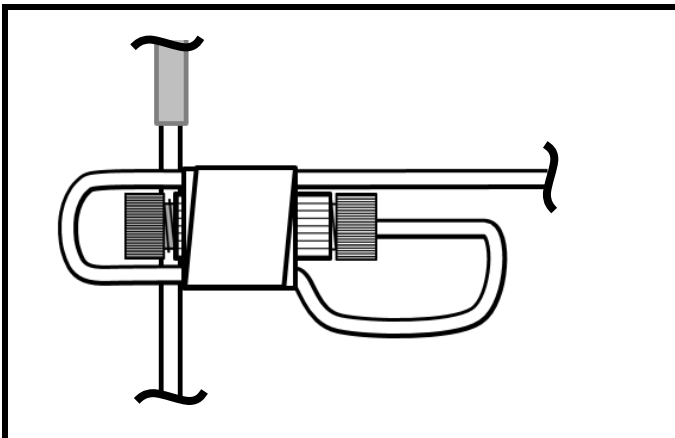
- A.5) Installing accessory wire into Posi-Tap™
- Confirm tap bottom gap is straight and evenly spaced around perimeter
 - Gently pull on wire to confirm secure connection.



- A.6) Accessory wire strain relief
- Measure ≥ 15 mm from point (A).
 - Gently form a loop at point (B) and bend back up towards Posi-Tap™ (bend radius ≥ 10 mm).
 - Gently form a loop at point (C) and bend back over top of Posi-Tap™ and down opposite side (bend radius ≥ 10 mm).



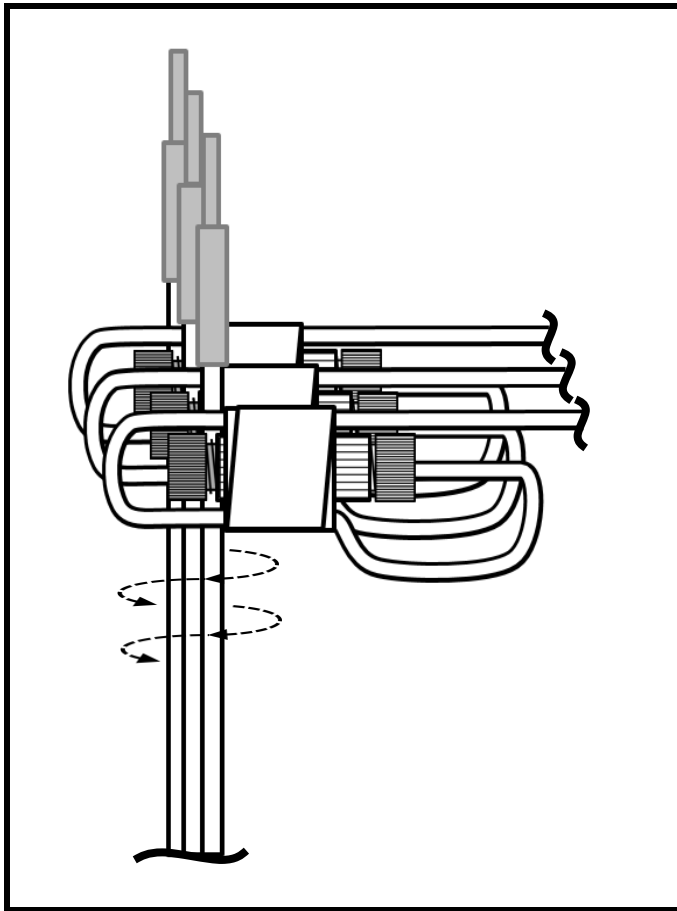
- A.7) Accessory wire strain relief
- Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).
- S



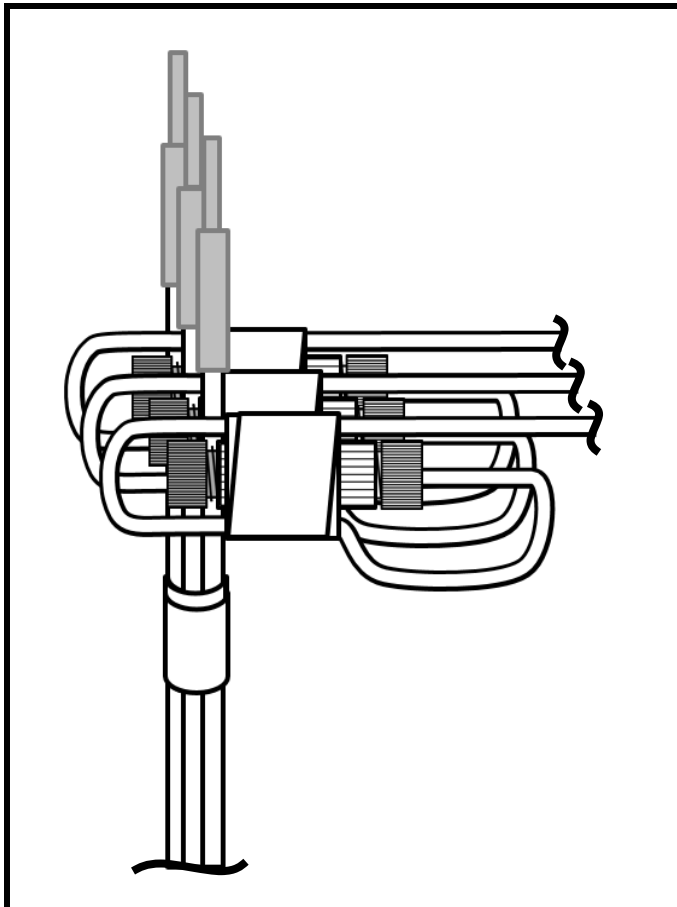
- A.8) Accessory wire strain relief
- Once accessory wire strain relief is taped to tap body, it should look as shown.

- A.9) Installing Posi-Tap™ on ASC (AAA)
- Repeat steps A.1 - A.8 for all other wires requiring a Posi-Tap™.

APPENDIX A - POSI-TAP PROCEDURE

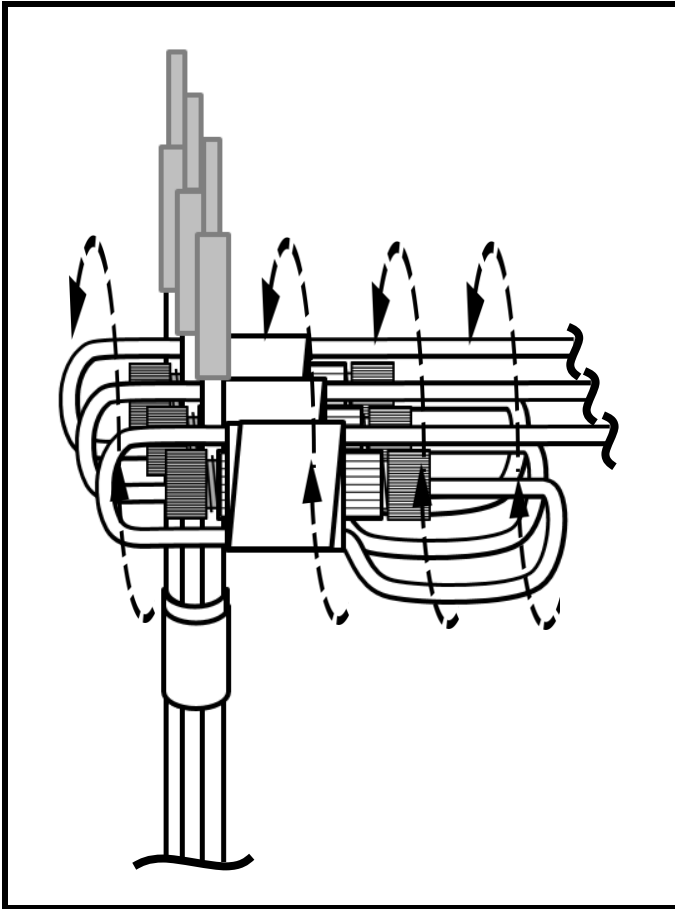


- A.10) Securing multiple Posi-Taps™ together
- a) Stack Posi-Taps™ in slightly staggered fashion as shown.
 - b) Secure tapped circuits together with electrical tape (≥ 2 revolutions).

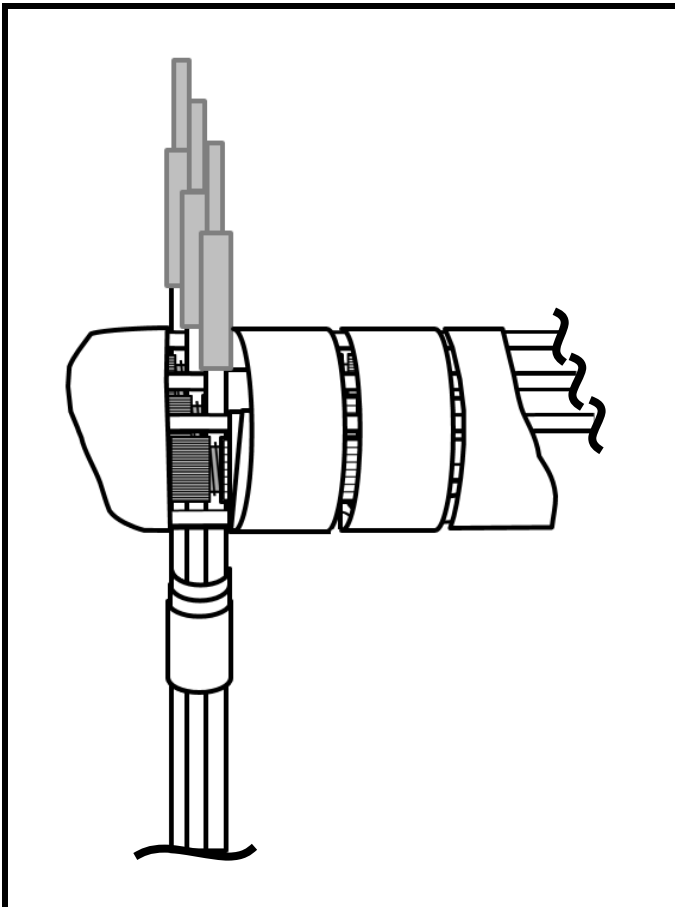


- A.11) Securing multiple Posi-Taps™ together
- a) Once tapped circuits are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE

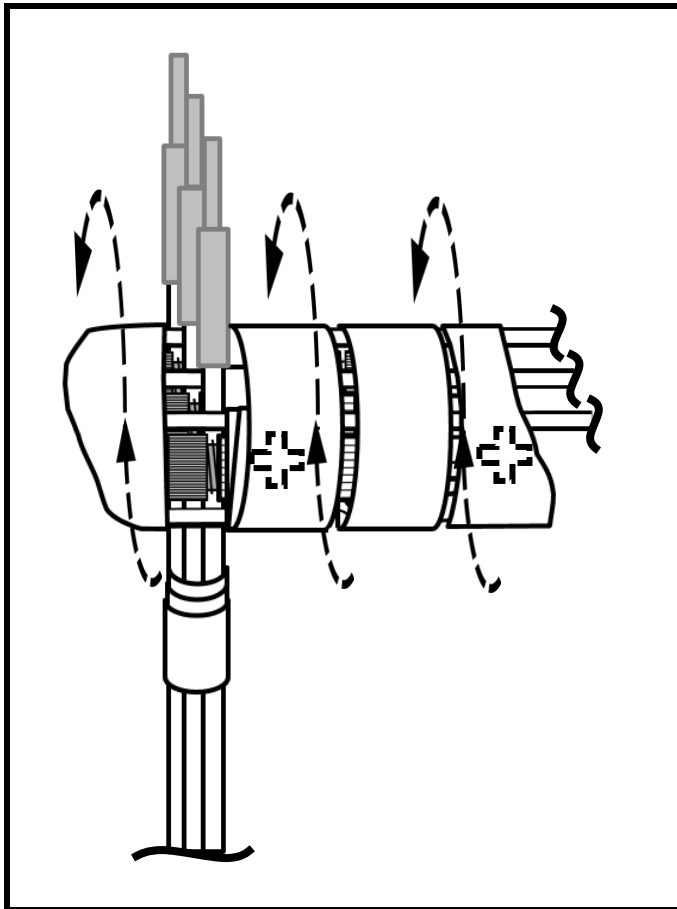


- A.12) Securing multiple Posi-Taps™ together
a) Secure Posi-Taps™ together with electrical tape (≥ 4 revolutions).



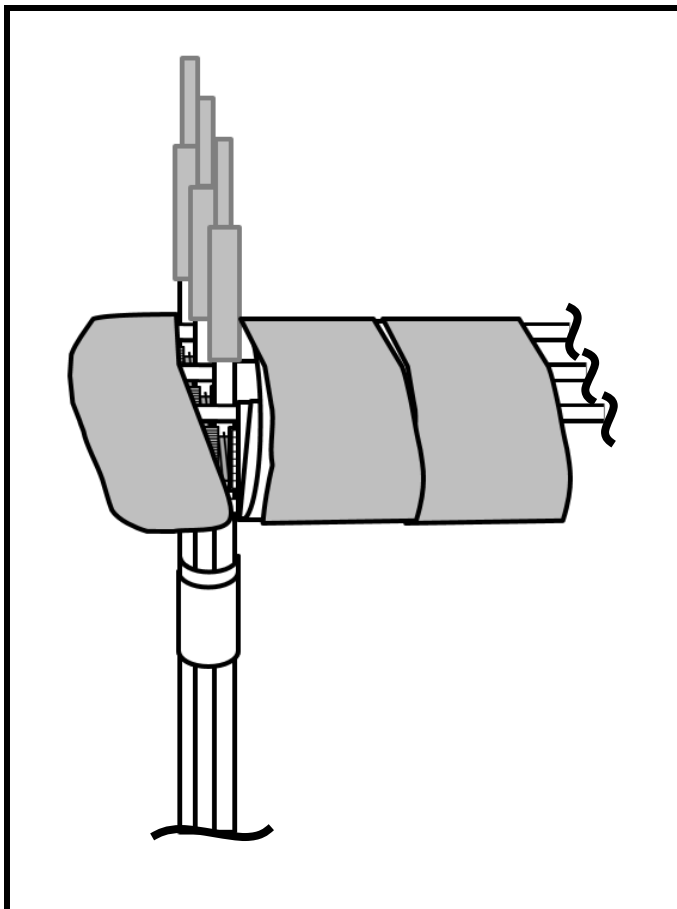
- A.13) Securing multiple Posi-Taps™ together
a) Once Posi-Taps™ are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE



- A.14) Securing multiple Posi-Taps™ together
a) To prevent any possible noise or rattle issues, use two pieces of Foam Tape, Gray (X) to wrap pre-taped Posi-Taps™.

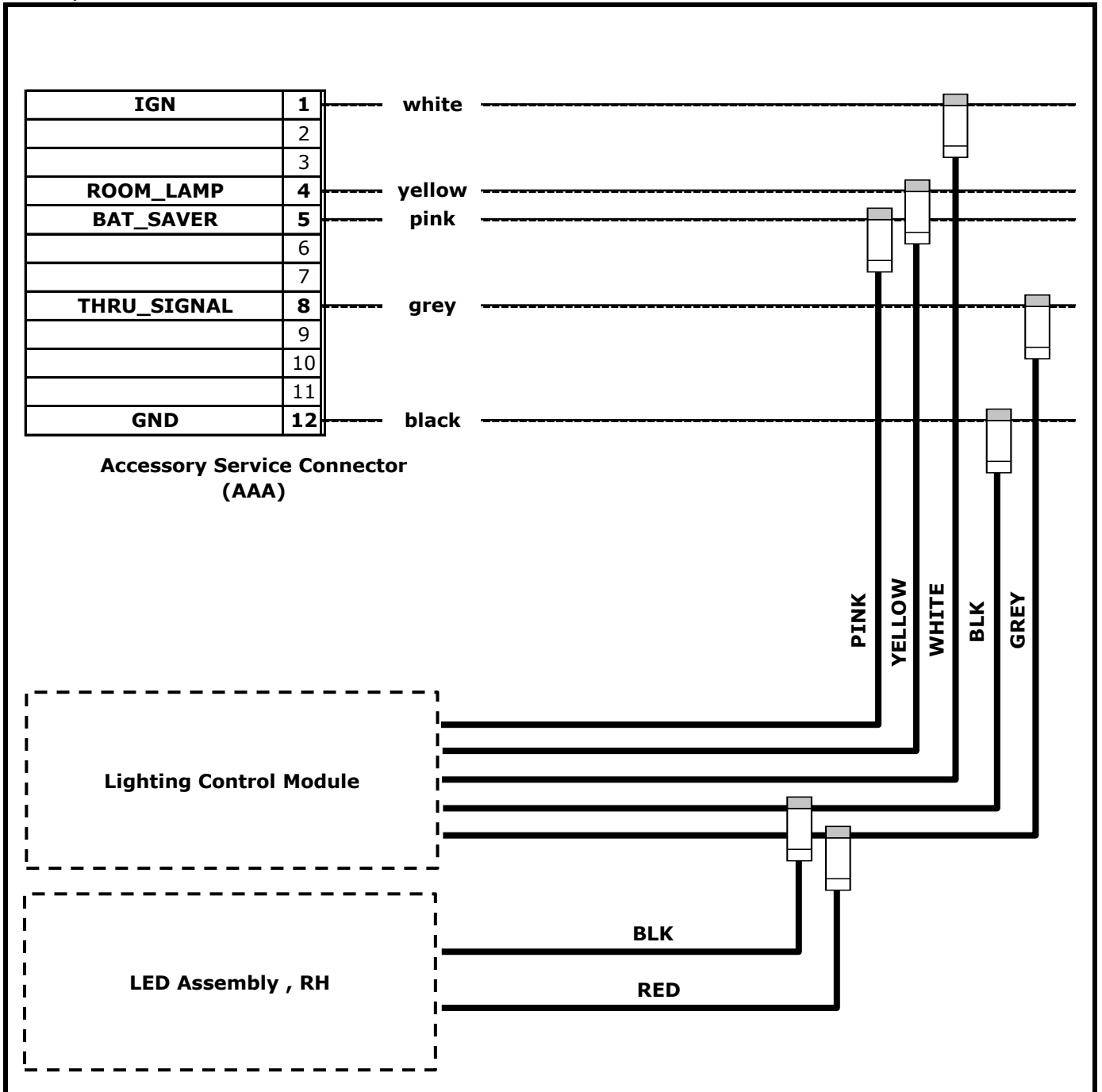
Foam Tape (X)



- A.15) Securing multiple Posi-Taps™ together
a) Once wrapped with Foam Tape, taped Posi-Tap™ bundle should look as shown.

APPENDIX B - MECHANIZATION DRAWING

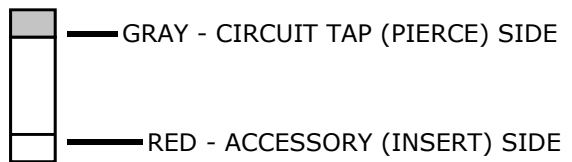
B.1) Figure below applies to the Welcome Lighting connected to the RH ASC



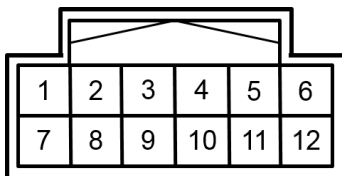
CONNECTOR PN#	T99F6 4RA0A
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR
CONNECTOR COLOR	WHITE

LEGEND

Posi-Tap™



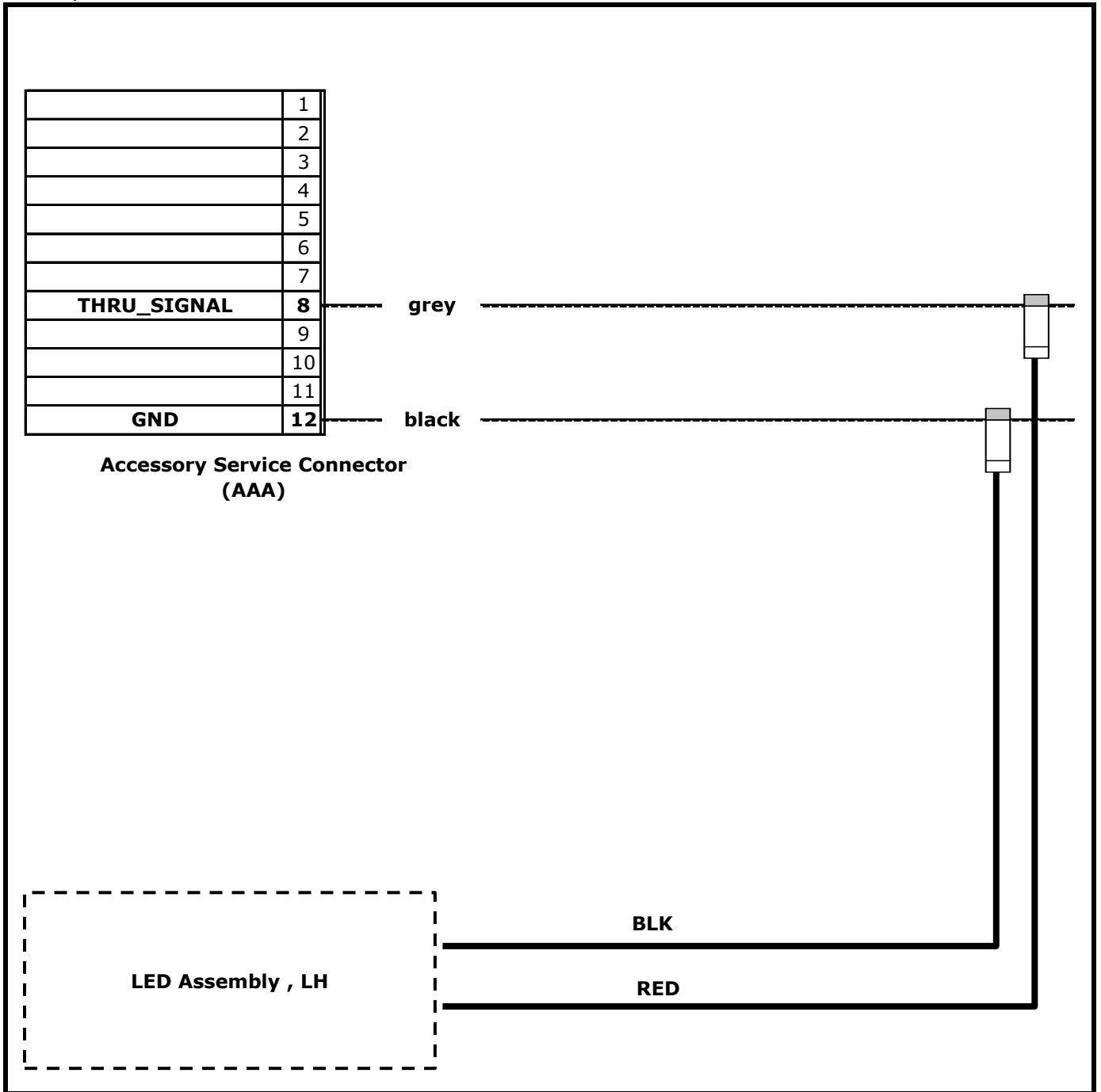
Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.



UNIT

APPENDIX B - MECHANIZATION DRAWING

B.2) Figure below applies to the Welcome Lighting connected to the LH ASC



CONNECTOR PN#	T99F6 4RA0A	LEGEND	
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR	 GRAY - CIRCUIT TAP (PIERCE) SIDE RED - ACCESSORY (INSERT) SIDE	
CONNECTOR COLOR	WHITE		
		Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.	