

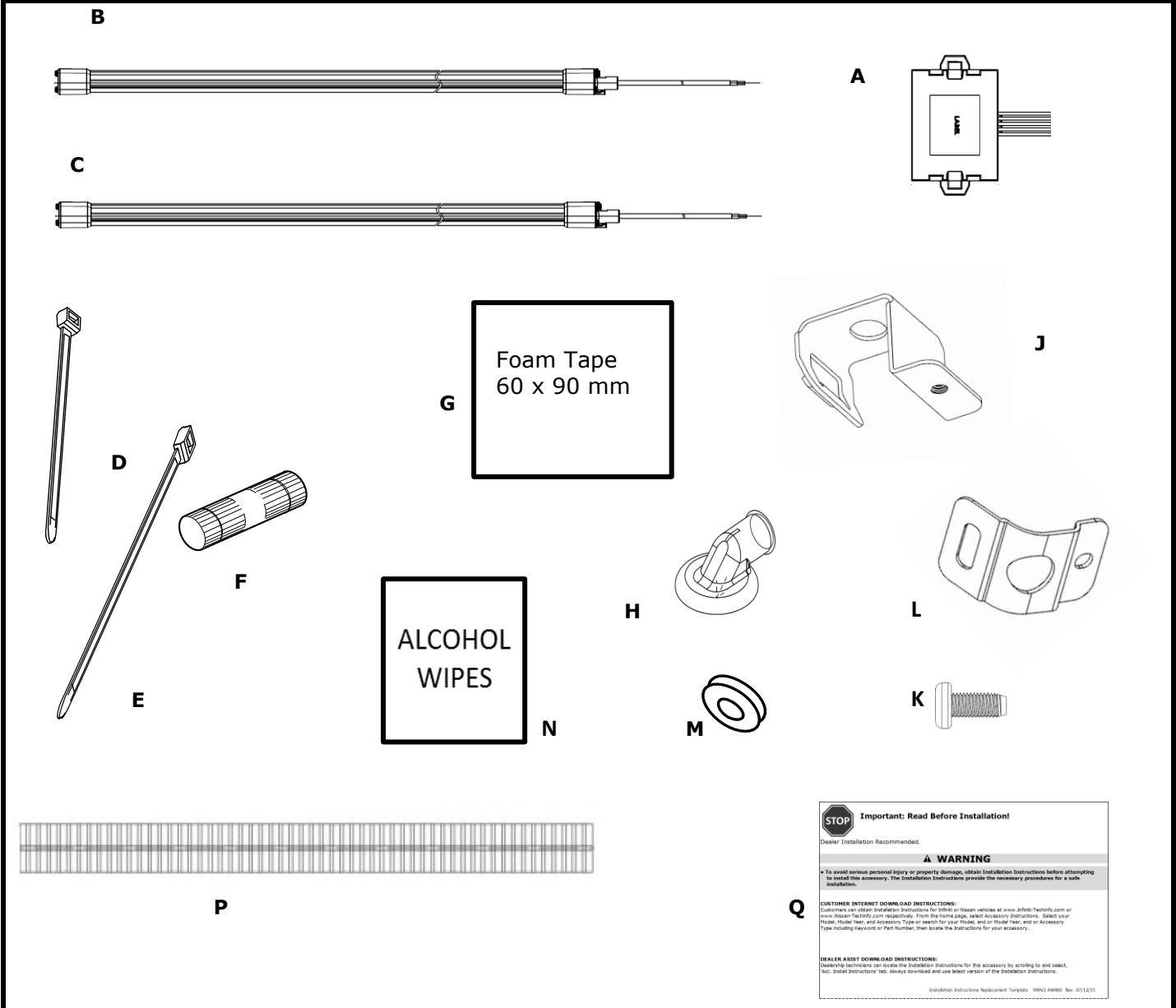


GENUINE PARTS

INSTALLATION INSTRUCTIONS

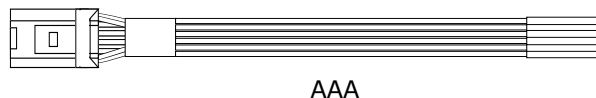
DESCRIPTION:	Nissan Welcome Lighting Kit
APPLICATION:	Kicks
PART NUMBER(S) REQUIRED FOR INSTALLATION:	T99F4 5CH1C -Welcome Lighting Kit (2) T99F6 4RA0A , Accessory Service Connector - not included in kit

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 5CH4C	
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 x 1.27)		
E	1	• Wire Tie 12 inch LG Black (304 mm x 4.7mm x 1.27)		
F	9	• Posi-Tap™ Connector		
G	5	• Foam Tape, 60 x 90 x 5 mm		
H	4	• Rubber Grommet		
J	6	• Bracket-Upper		
K	6	• 4 mm Screw		
L	6	• Bracket Strap - Lower		
M	2	• Rubber Grommet 12mm (not used on KICKS)		
N	1	• Alcohol Wipes		
P	2	• Convoluted Tubing 762 mm		
Q	1	II REPLACEMENT TEMPLATE CARD		999V2 AW000

TOOLS REQUIRED:

- Angled Trim Removal tool, nylon
- ST Trim Removal Tool, Nylon
- Tape measure
- Metric scale
- Screwdriver, Torx T-20
- Scissors
- Torque Wrench, 1/4" drive
- Shop Vac
- Towel, Soft Non-Linting
- Pliers, Wire Cutting
- Electrical Tape
- Flashlight
- Masking Tape
- Protective Gloves
- #2 Philips screwdriver
- Work Light
- 25 mm hole saw
- 50% Alcohol/50% Water Solution
- Diagonal Cutter 7 inch
- Screwdriver, Straight 3/8"
- Wrench, 10mm
- Ratchet, 1/4" drive
- Socket, 10mm, 1/4" drive

INSTALLATION CAUTIONS:

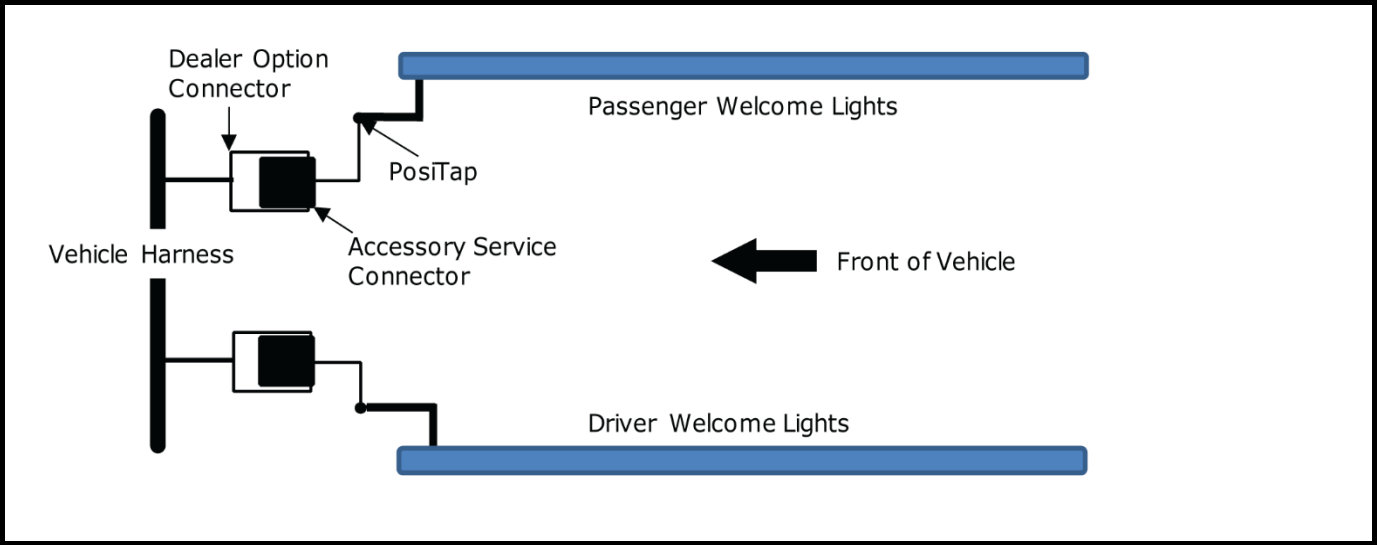


CAUTION

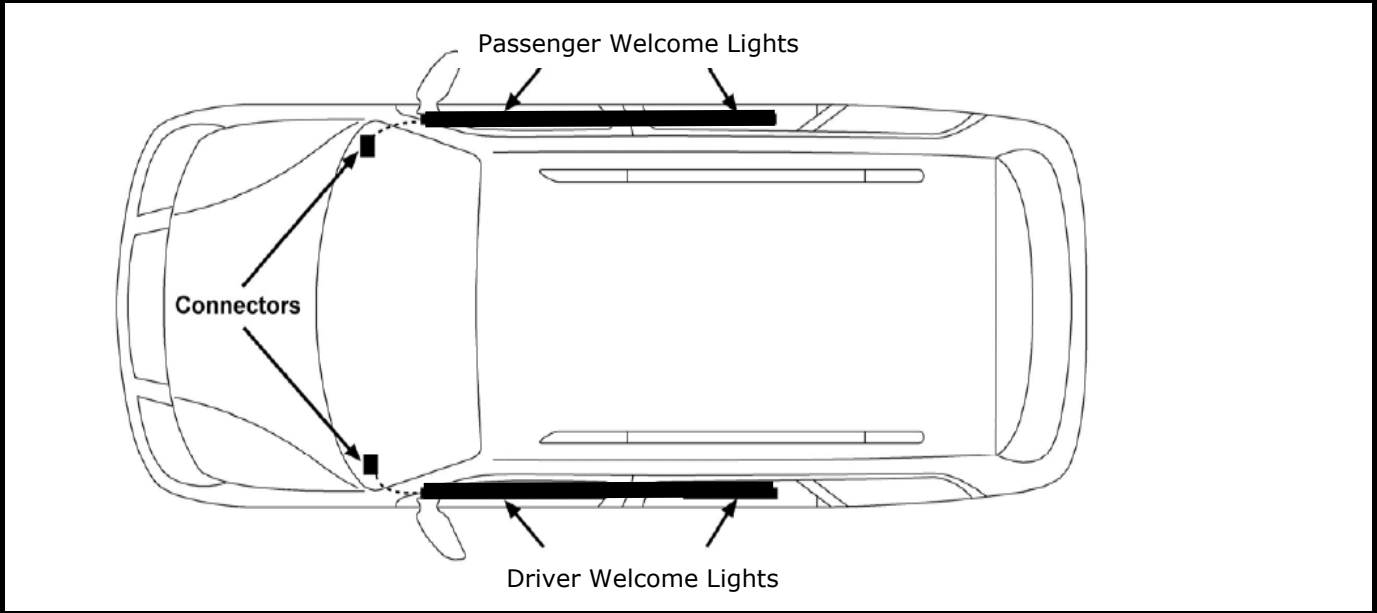
- Dealer installation recommended. Instructions may refer to Service Manual.
- Please read this instruction carefully before installing this product for correct installation.
- Please DO NOT use or install the part in ways other than what is described.
- Always use floor, seat and steering wheel protection.
- 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

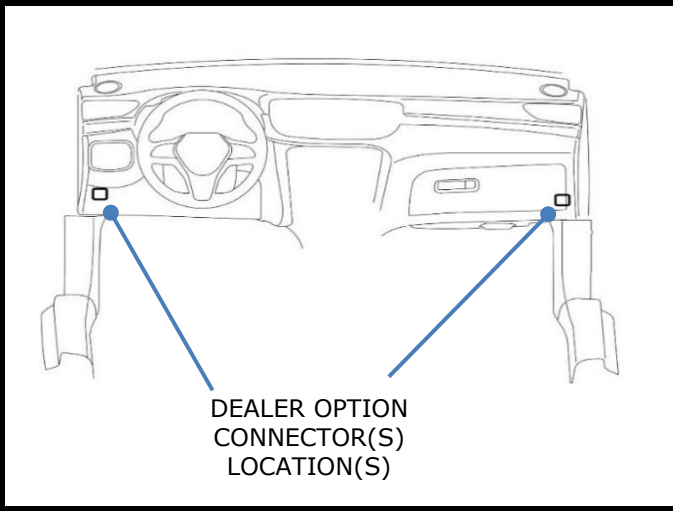
1.1) SYSTEM



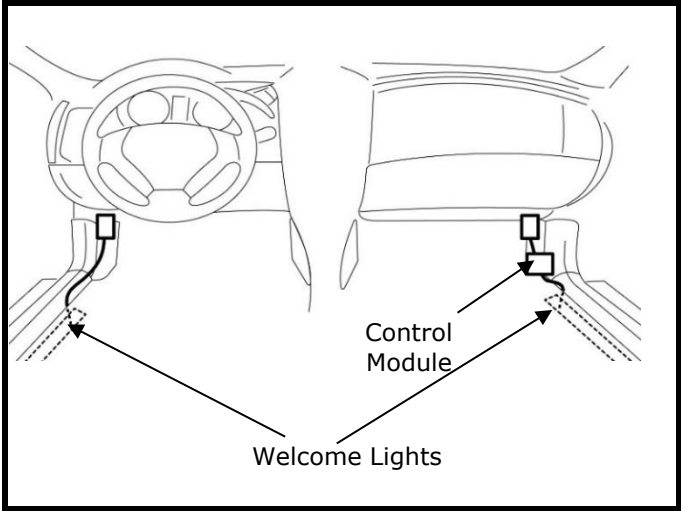
1.2) VEHICLE



1.3) D-OPT CONNECTOR LOCATION



1.4) VEHICLE - ROUTING

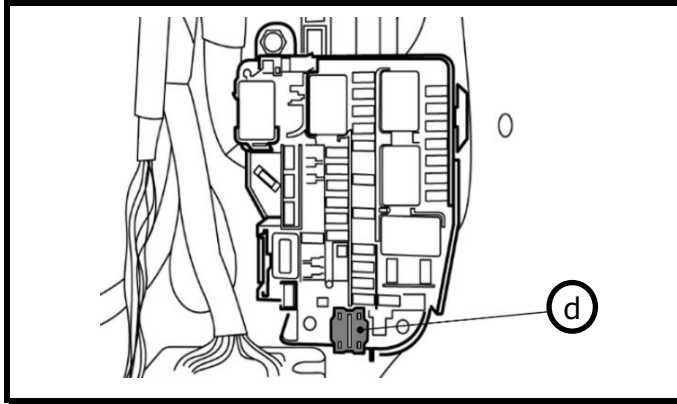


SECTION 2 - VEHICLE PREPARATION

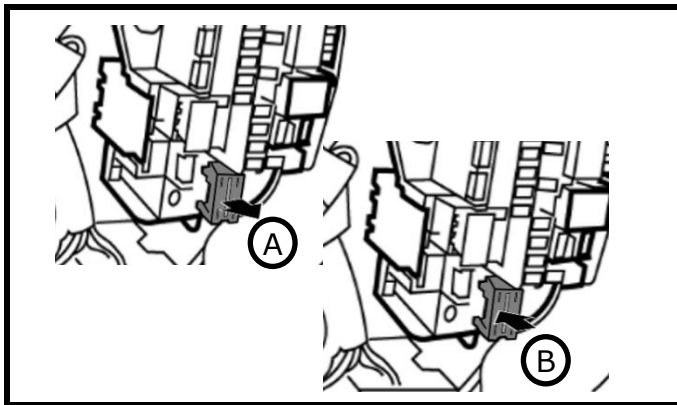


CAUTION

- 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 fuse block as shown.
 - 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.

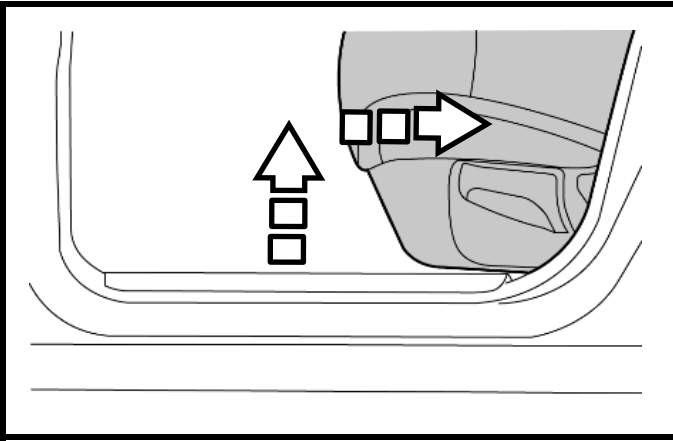
Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

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

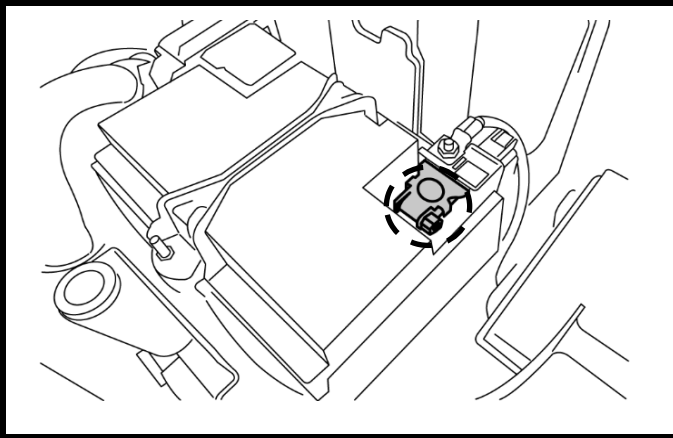
Preset	1	2	3	4	5	6	7	8	9	10

- c) Place ignition in "OFF" mode.

SECTION 2 - VEHICLE PREPARATION



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



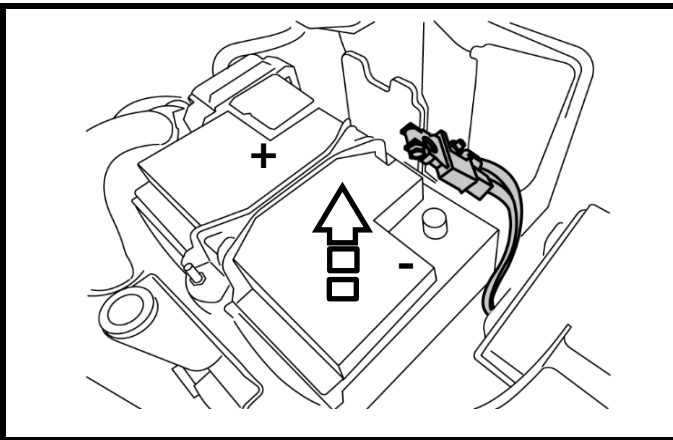
- 2.5) Battery terminal removal.
- Locate negative battery terminal.
 - Loosen negative battery terminal nut.

Battery Terminal Nut



⚠ CAUTION

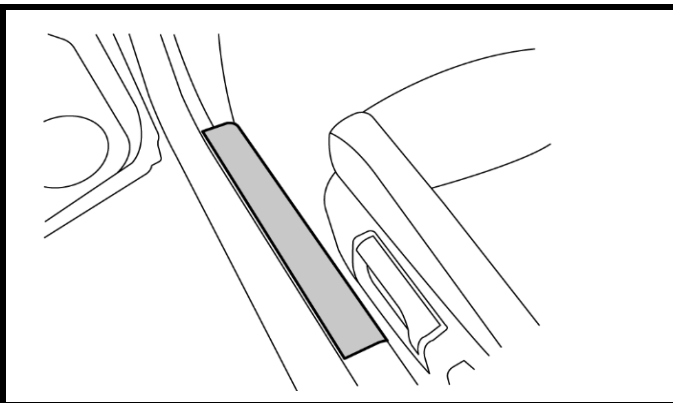
- Allow 3 min after key off with doors closed for vehicle power to time out.



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

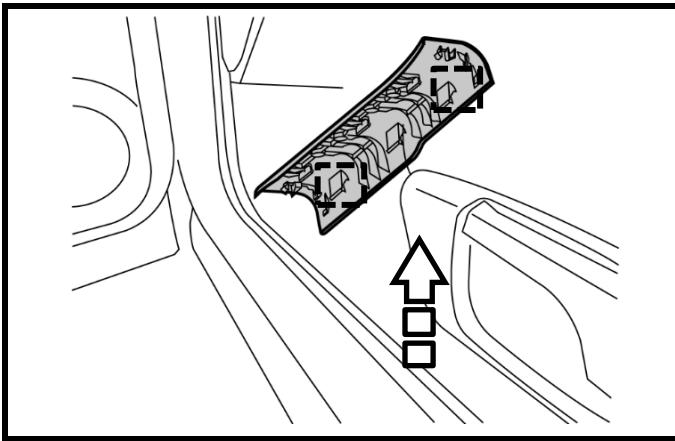
⚠ CAUTION

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



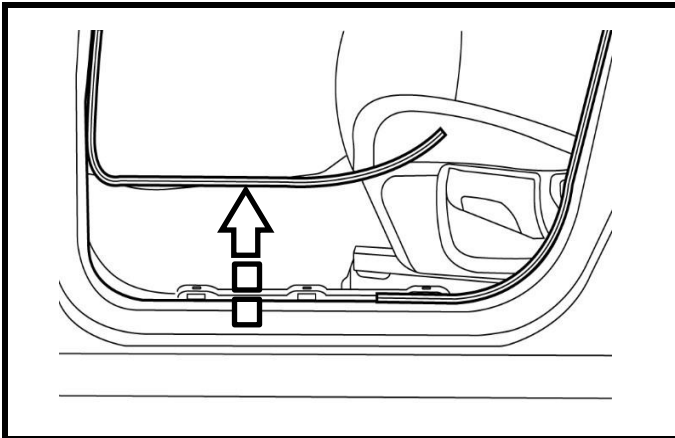
- 2.7) Remove LH trim
- Locate LH inner sill plate assembly.

SECTION 2 - VEHICLE PREPARATION



- 2.8) Remove LH trim
- a) Disengage lower trim clips by pulling toward interior.
 - b) Lift sill plate up and out as shown.

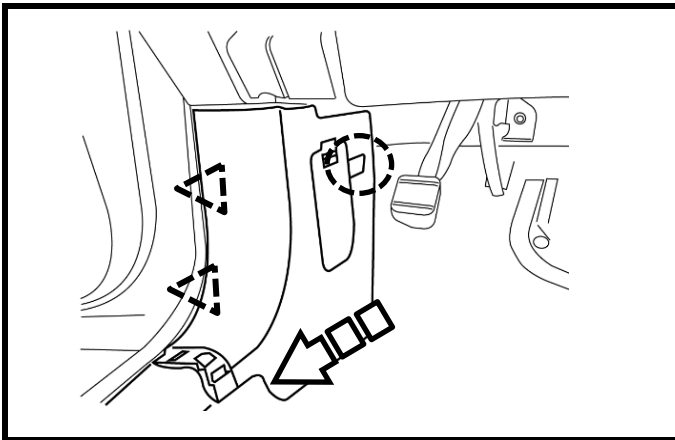
Trim Clip



- 2.9) Remove LH trim
- a) Pull up on front LH door sill weatherstrip along front bottom edge only.

Caution:

Do not close doors with weatherstripping pulled off edge. Reinstall to close doors.

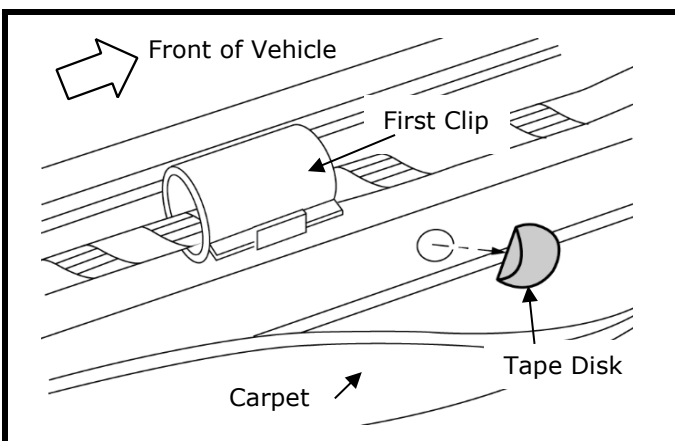


- 2.10) Remove LH trim
- a) Pull panel rearward to detach from stud in front of panel.
 - b) Disengage lower kick trim pawl by pulling rearward and slightly toward interior of vehicle as shown.

Push Fit on Stud

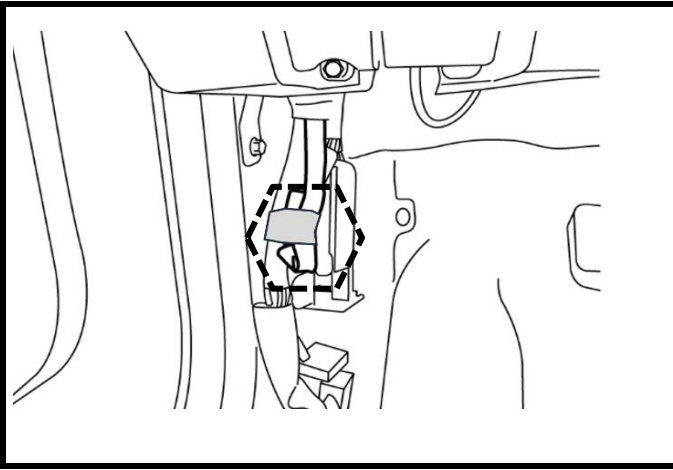


Pawl



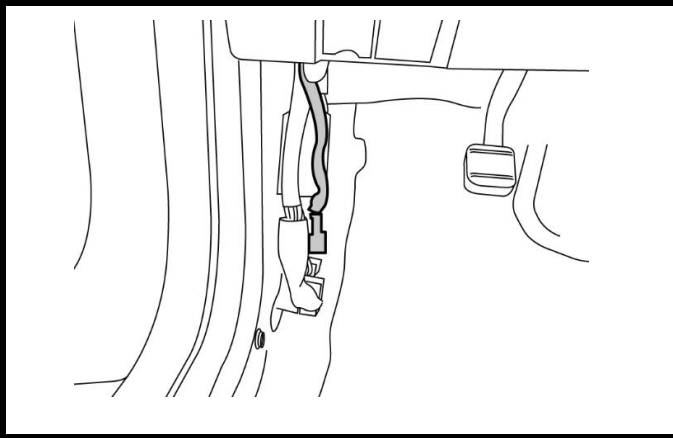
- 2.11) Expose the LH sill inner hole for harness pass through.
- a) Open first two wire harness clips and pull out harness.
 - b) Carpet can be pulled over the clips to expose black tape disk on inner sill located in front of the first wire harness clip.
 - c) Carefully peel back tape disk to expose access hole on inside surface of door sill. First hole toward front of vehicle. Hole is almost directly across from exterior access hole.

SECTION 2 - VEHICLE PREPARATION



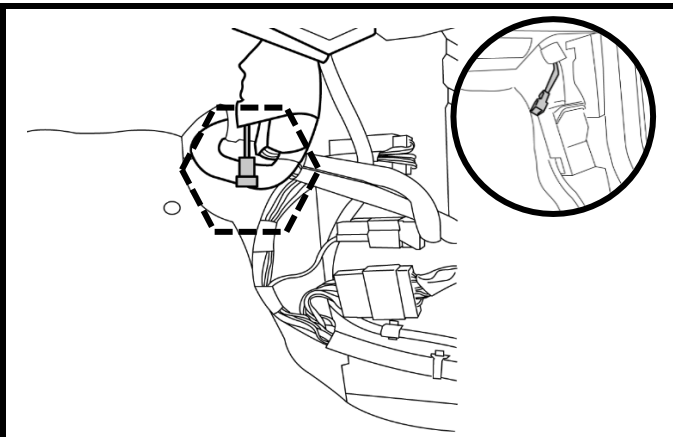
- 2.12) Locate LH D-Opt connector
- Locate Dealer-Option connector taped to main harness bundle.
 - Carefully tear or cut tape to free Dealer Option connector.

D-Opt Connector



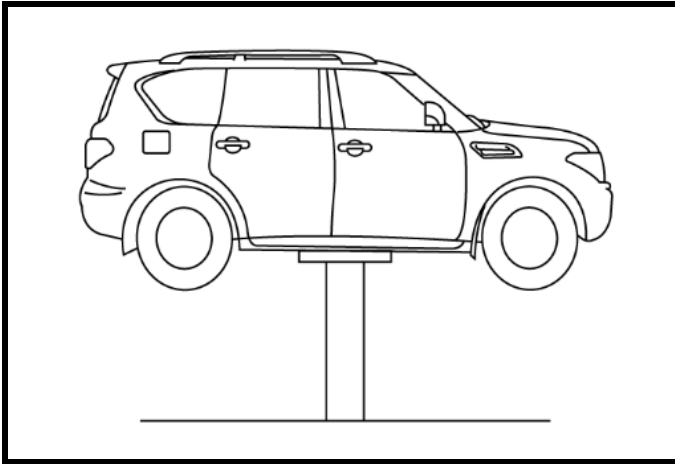
- 2.13) Locate LH D-Opt connector
- Unfold Dealer-Option connector and let hang as shown.

- 2.14) Repeat trim removal process for the RH Passenger side of the vehicle.



- 2.15) Locate RH D-Opt connector
- After trim is removed on RH side
 - Locate Dealer-Option connector taped to main harness bundle.
 - If connector is taped facing downward leave taped and plug in the ASC.
 - If taped upward carefully tear or cut tape to free Dealer Option connector.
 - Unfold Dealer-Option connector and let hang as shown if facing up.

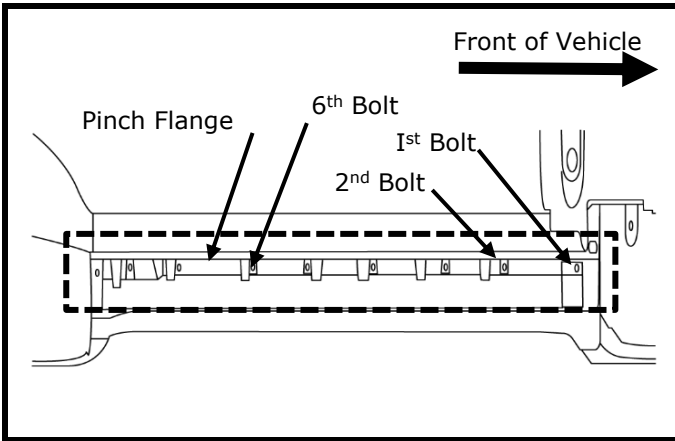
SECTION 2 - VEHICLE PREPARATION



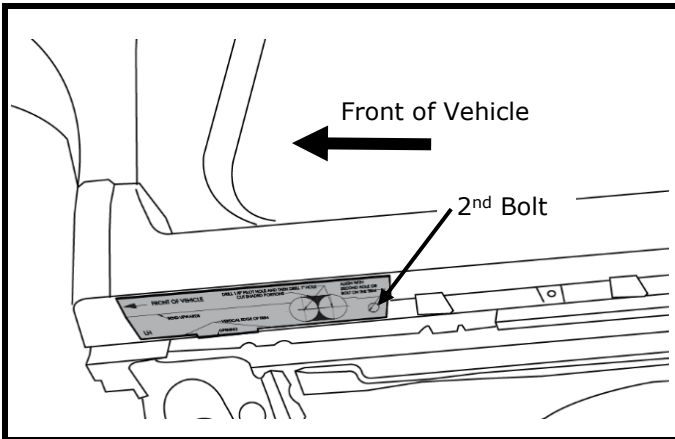
- 2.16) Prep for drilling holes in side skirts
- Locate lift points, set hoist arms and raise vehicle to necessary work height.

WARNING

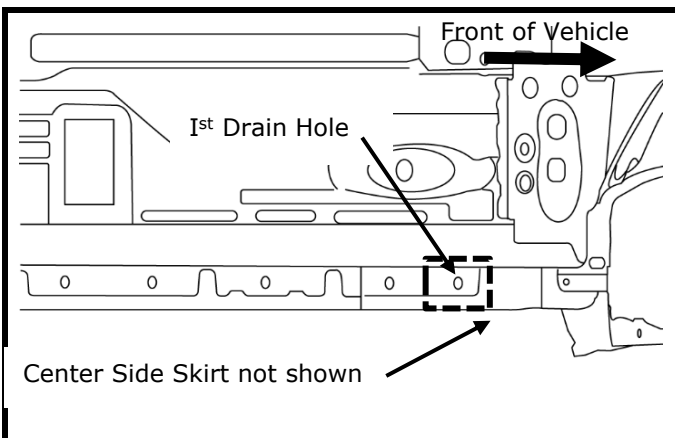
- Always use proper lift points as specified in Service Manual Section: GI
- Be sure vehicle is secure on locks before proceeding underneath.
- Never get under the vehicle when it is supported only by the jack. Always use safety stands.



- 2.17) Prepare side skirt to feed harness through
- Remove all eight (8) screws that attach the center side skirt, along pinch flange, using a 10 mm socket, to allow access to plug in sill, and trimming of side skirt.
 - Wipe bottom surface of center side skirt to remove dirt.
 - Gently pull down edge of side skirt that is closest to pinch flange and add protection (cardboard) between the side skirt and the sill to protect the sill when drilling clearance holes for wire harness entry.



- 2.18) Locate drill hole on the center side skirt LH (Driver's Side).
- Align template for vehicle LH side with 2nd mounting bolt to cut clearance hole for harness pass through in the center side skirt.
 - Center punch the drill centers shown on the template.
 - Use 25 mm hole saw drill holes at both locations marked with template
 - Trim any edges to shape to rectangle per template (use diagonal cutters).

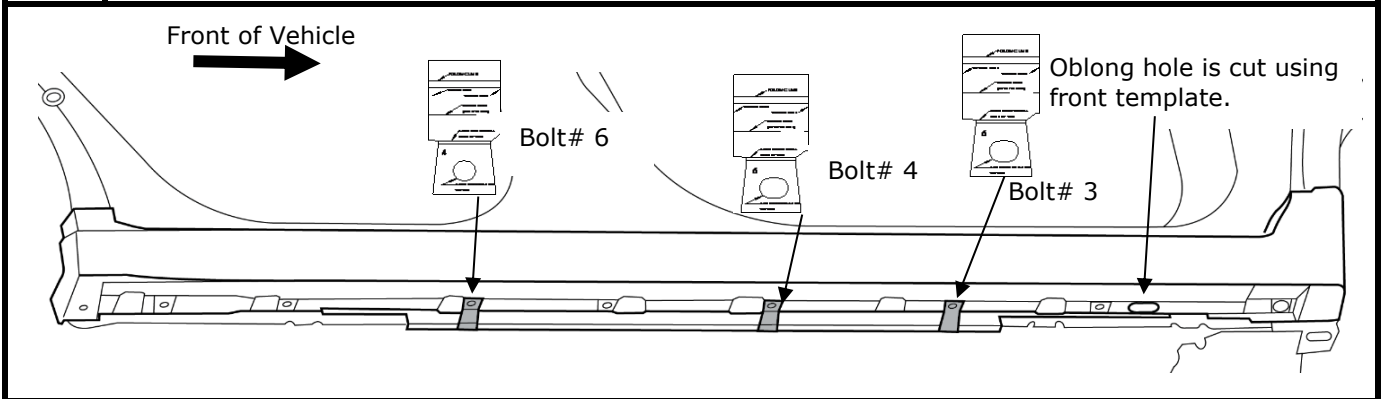


- 2.19) Remove sill plug #1 under side skirt.
- Wipe area around plug hole.

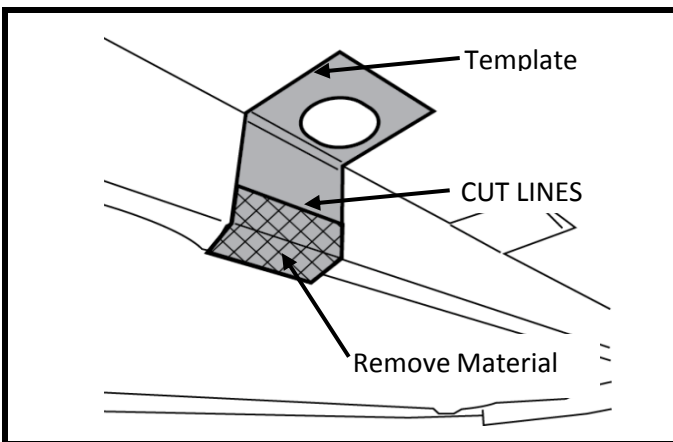
- 2.20) Repeat Steps 2.16 - 2.19 on RH (Passenger) side of vehicle.

SECTION 2 - VEHICLE PREPARATION

2.21) Mark center side skirt to mount the light bar brackets on Passenger side.



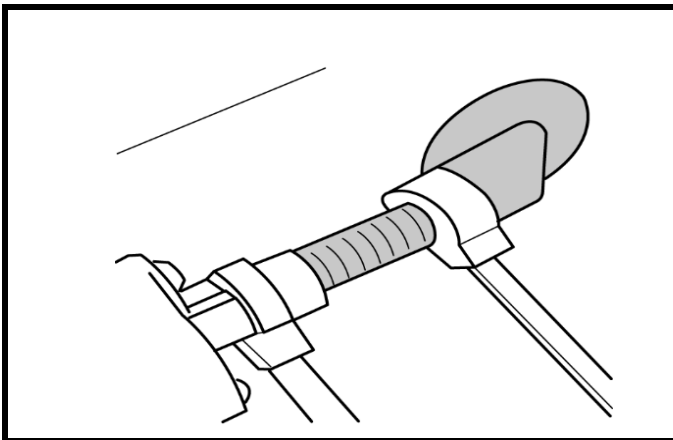
- Print templates for bolts 3, 4, 6 to use in marking side skirt for cutting on the RH and LH side.
- Use templates to mark at bolt locations 3, 4 and 6 on side skirt.



2.22) Trim center side skirt of fit brackets.

- Once marked with the template the side can be cut with diagonal side cutters and the cross area scored with a knife between the cut lines then use pliers to bend back and forth with pliers to remove material.
- Ragged edges can be cleaned up with a small file.

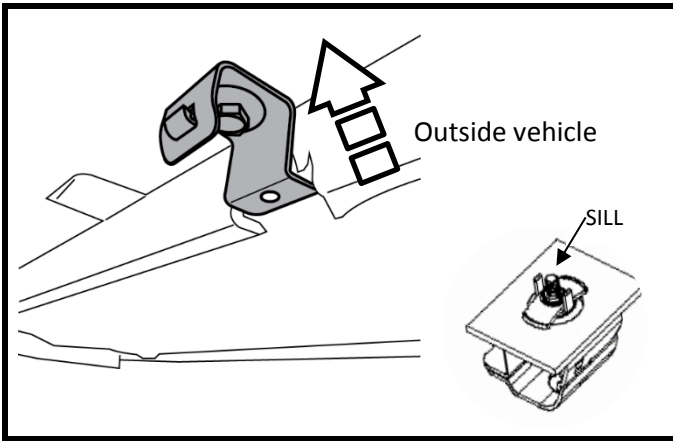
2.23) Repeat 2.21-2.22 for Driver's side.



2.24) Prep both light bars for mounting

- Cut two (2) 40 mm pieces of convoluted tubing and slide convoluted tubing over harness and secure to light bar end with a tie strap.
- Slide the convoluted tubing and one of the grommets over wire harness and tie strap at light bar and grommet as shown.
- Trim Tie straps.

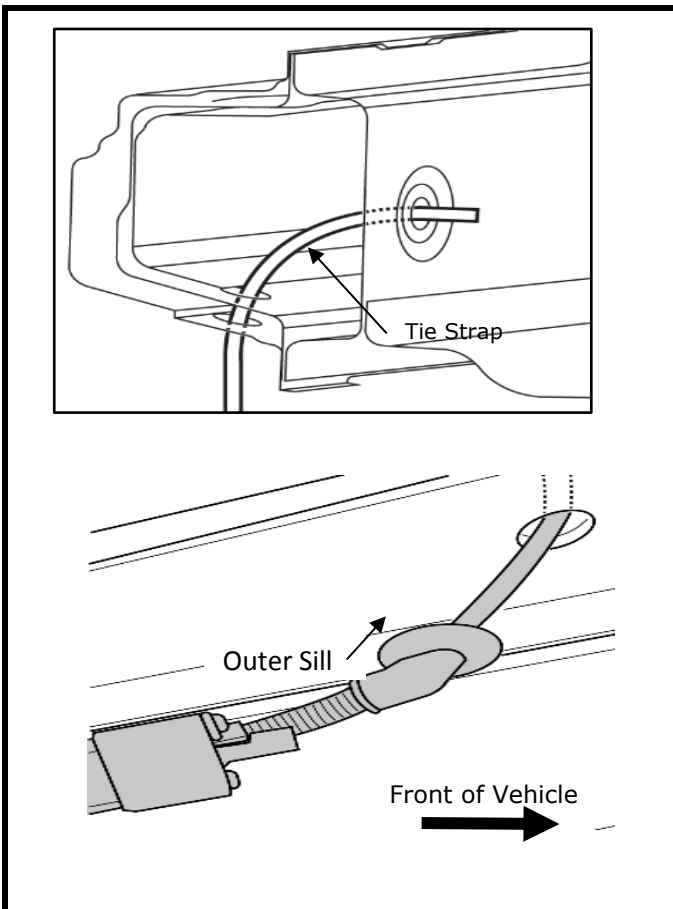
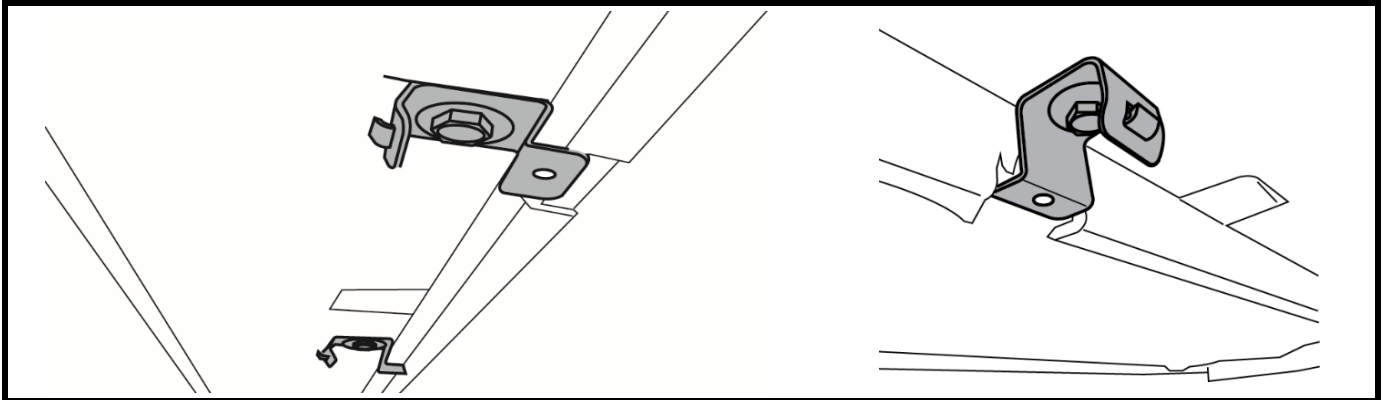
SECTION 3 - Install



3.1) Install top half of the six brackets using side skirt mounting bracket screws 3,4,6 on both sides of the vehicle.

- a) Use side skirt bolts to mount upper brackets.
- b) Hold brackets square to pinch weld.
- c) Torque screws to 2 - 3 Nm maximum.

3.2) Picture shows brackets mounted on center side skirt after trimming the center side skirt.

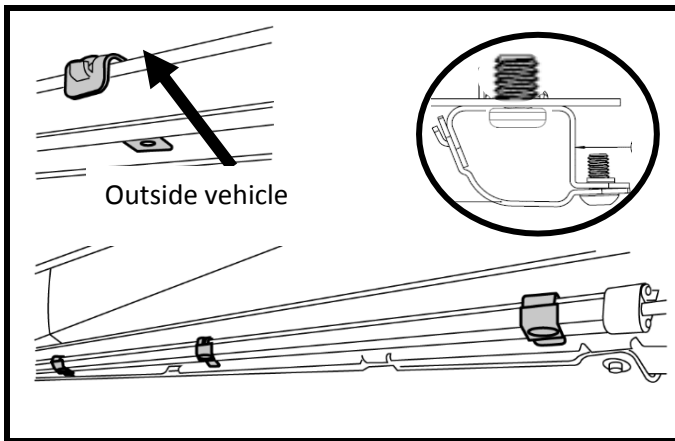


3.3) Feed through harness to inside vehicle.

- a) Fed tie strap through hole in inner sill (Drivers Side) and out first hole in the outer sill.
- b) Tape light bar harness to tie strap and feed harness through to inside vehicle.
- c) Seat grommet in outer sill hole
- d) Reinstall remaining bolts attaching side skirts on LH side skirt.

3.4) Repeat steps 3.1-3.3 on RH side of vehicle.

SECTION 3 - Install



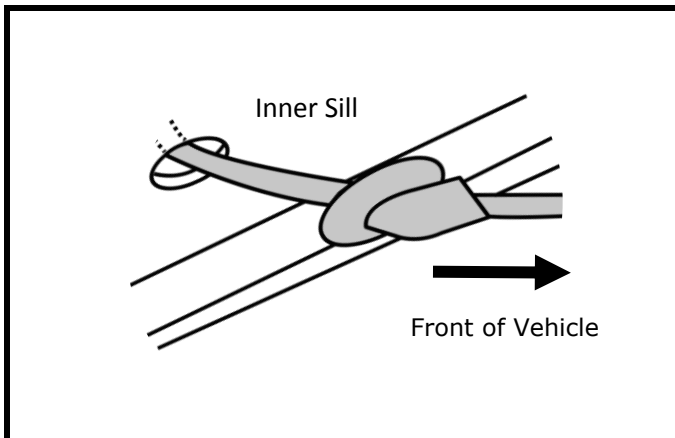
3.5) Mount Light Bars

- a) Carefully line up grommet with 2nd sill hole 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 approximately 2-3 Nm.
- e) Repeat step 3.5 on RH (passenger) side. LOWER VEHICLE



Sample Light Bar Label (on side of bar)

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



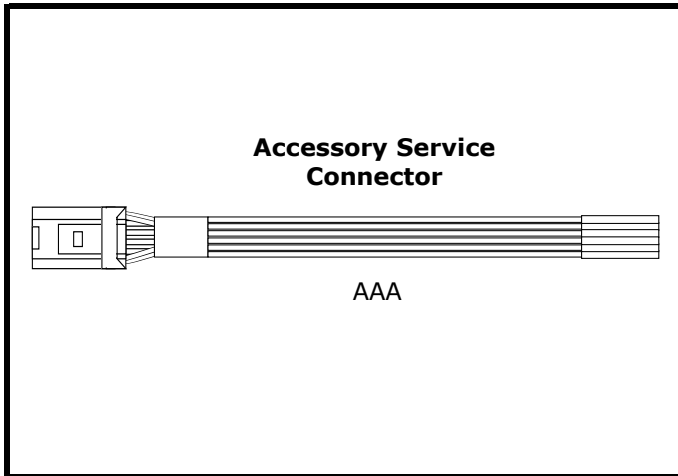
- 3.7) Feed grommet over harness on inside of vehicle and seat in access hole.

Feed harness on inside of vehicle through the grommet and seat grommet.

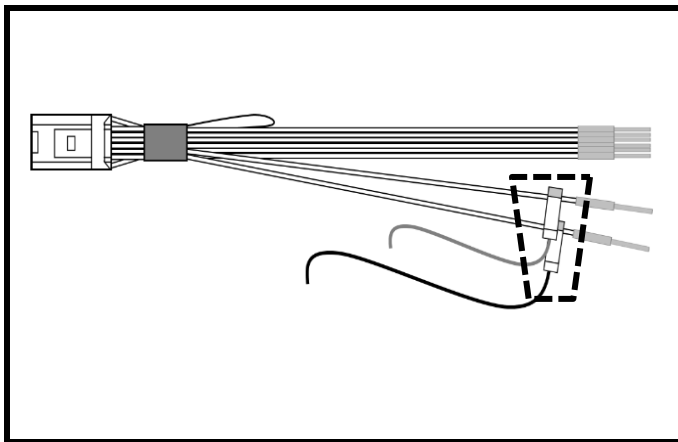
SECTION 4 - ASC CONNECTION & FUNCTION CHECK

 **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.

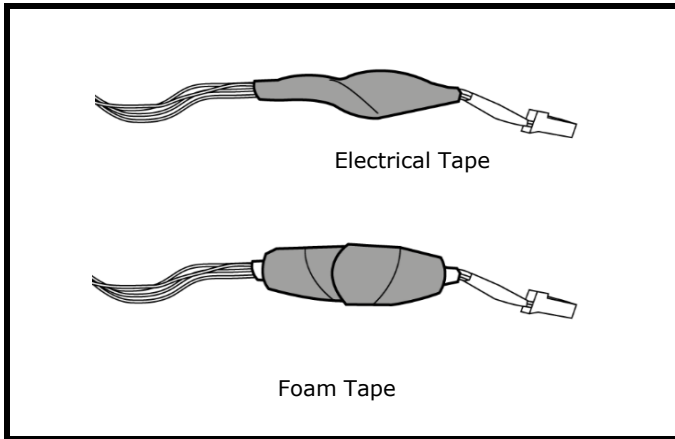


- 4.2) Installing Posi-Tap™ on LH (Driver's side) Accessory Service Connector.
 - a) Black wire from LED Harness to Black wire on Accessory Service Connector Harness.
 - b) Red wire from the LED Harness to the Grey wire on the Accessory Service Connector Harness.

Posi-Tap™ (F)



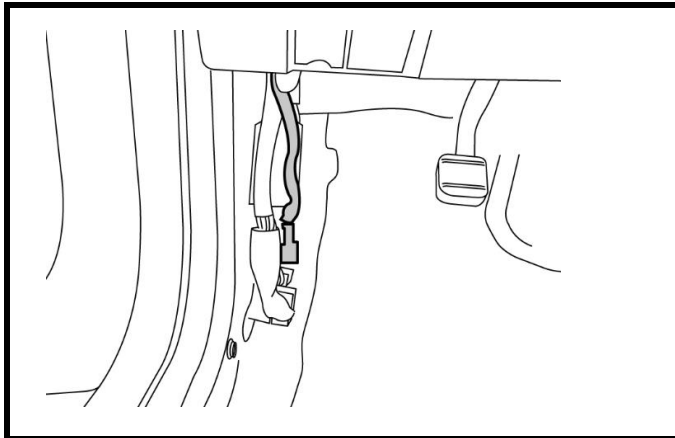
SECTION 4 - ASC CONNECTION & FUNCTION CHECK



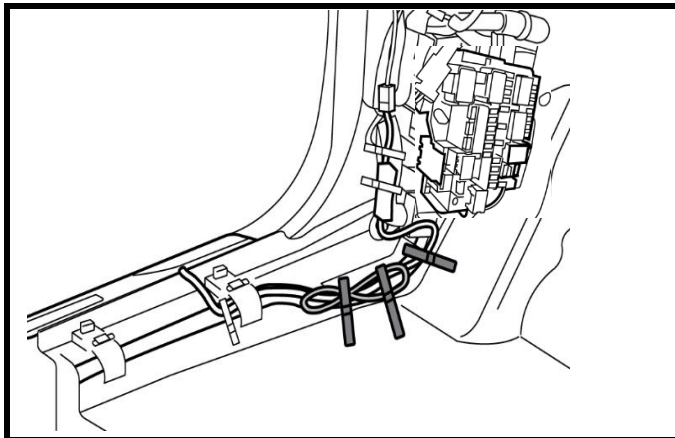
4.3)

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).



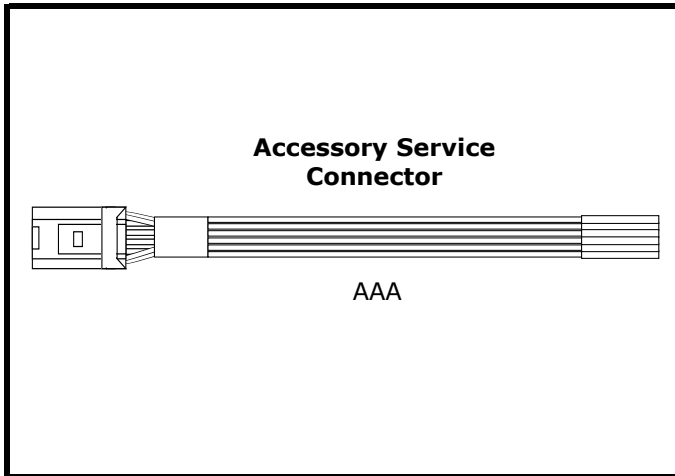
4.5) Dress excess harness as and tie strap as shown.

NOTE:

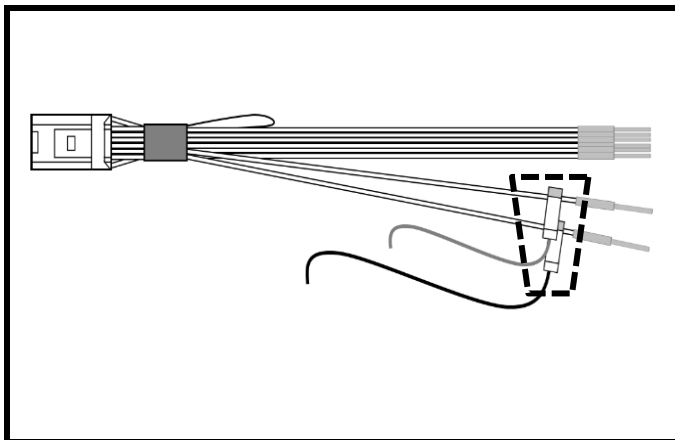
Recommended spacing for cable ties is 100mm to 120mm. Position cable ties as shown.

⚠ 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.



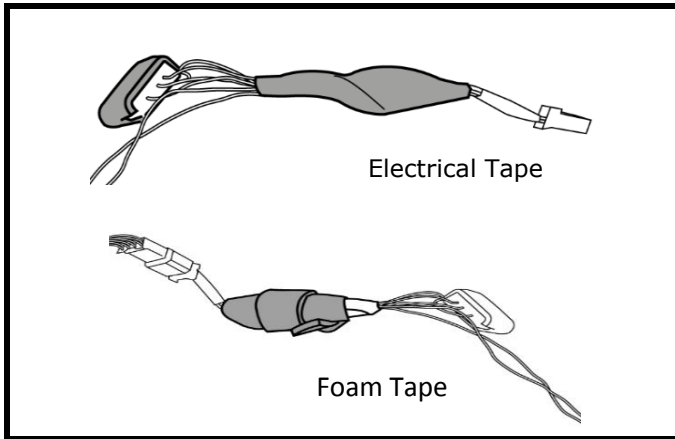
- 4.6) Connect Accessory Service Connector
- a) Accessory Service Connector (AAA) pin-out is shown.
 - b) For direction on how to connect Posi-Tap refer to Appendix A.
 - c) For additional circuit information refer to Appendix B.



- 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.

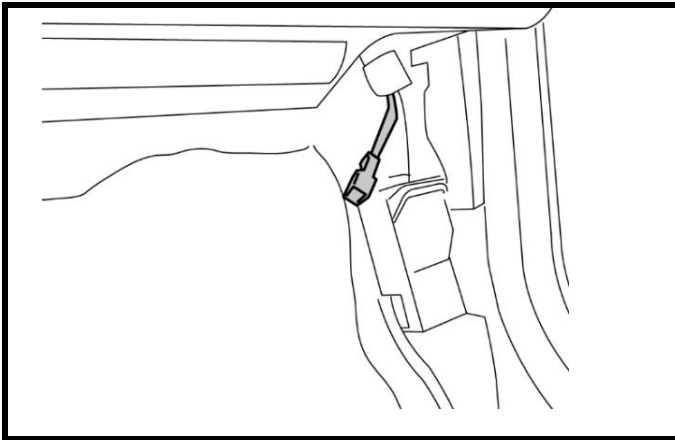
Posi-Tap™ (F) 

SECTION 4 - ASC CONNECTION & FUNCTION CHECK

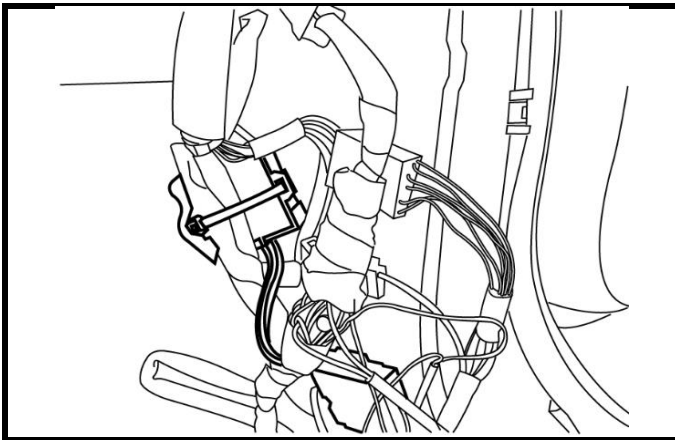


4.8)

- 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.

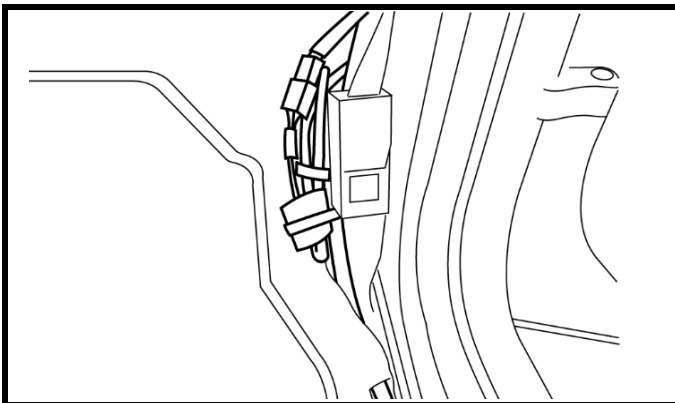


- 4.9) Plug Accessory Connector Harness into vehicle connector plug on RH (Passenger side).
- Tie strap module to harness and wrap in foam tape to prevent rattle.



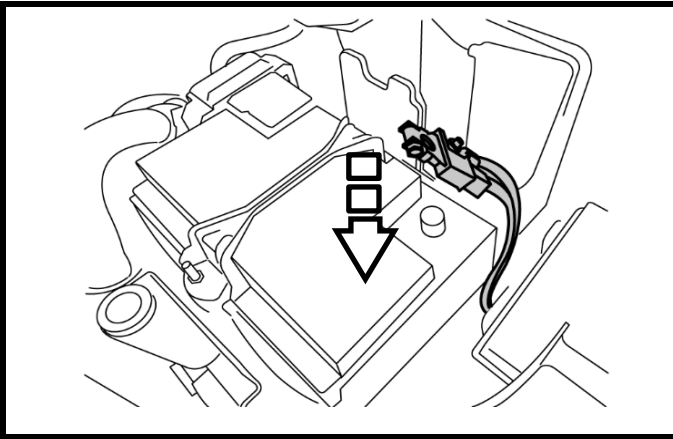
- 4.10) Dress excess harness as and tie strap as shown.

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.

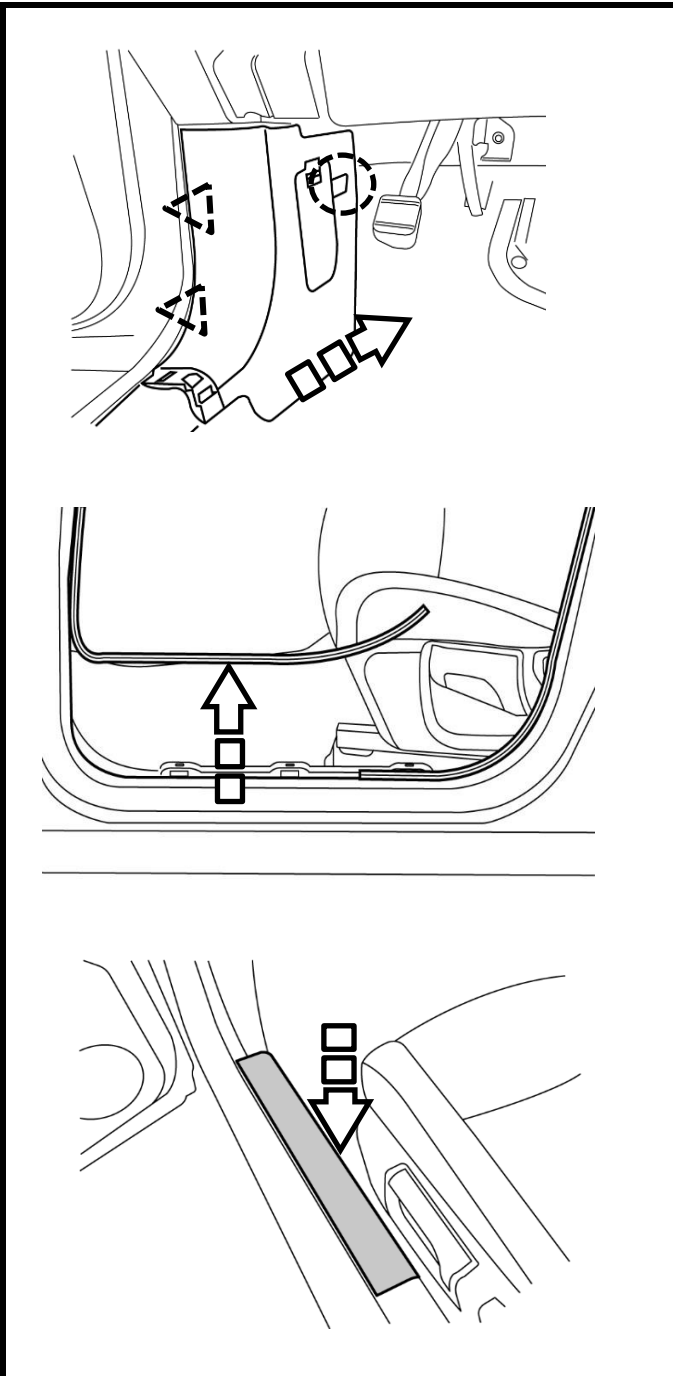
SECTION 5 - FINAL



- 5.1) Electrical function check
- Close all doors
 - Re-connect negative battery cable
 - Use key unlock and lock on key fob and check if lights follow room lamp operation.
 - 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
- Reinstall Drivers side inner footwell panel and one fastener clip.
 - Reinstall Drivers front door sill weatherstrip along front bottom edge.
 - Reinstall the Drivers side trim panel along the bottom door seal.
 - 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.

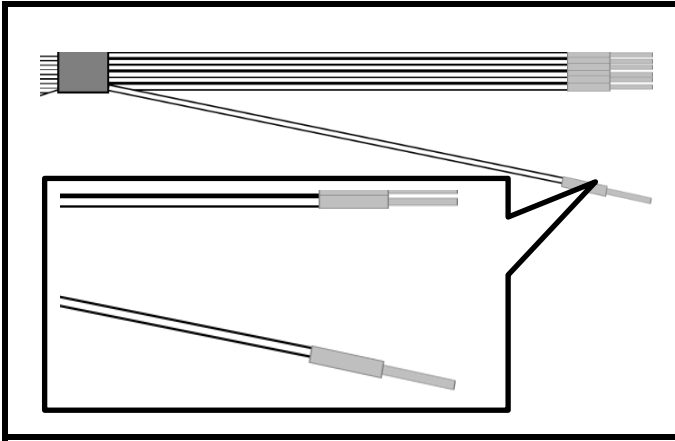
5.3) Complete checklist:

- 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:

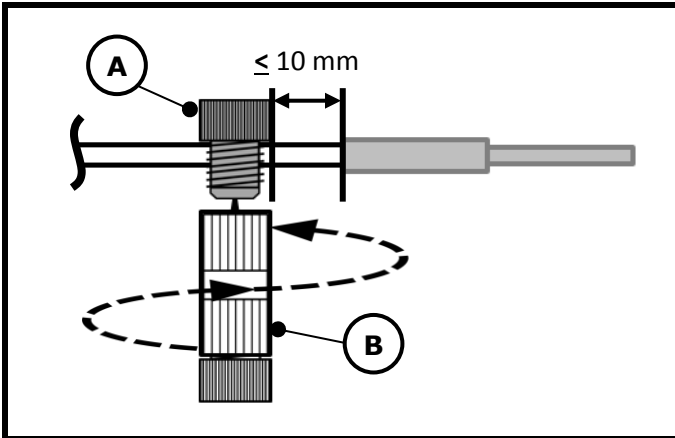
- Close all doors.
- Using the keyless entry fob, press the door unlock.
- Verify the security lighting turns on and off with the dome lamp in the car.
- Enter the car and press the door unlock and then start the car.
- Verify the welcome lamps turn off when the car starts.
- With the car running, shifter 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.

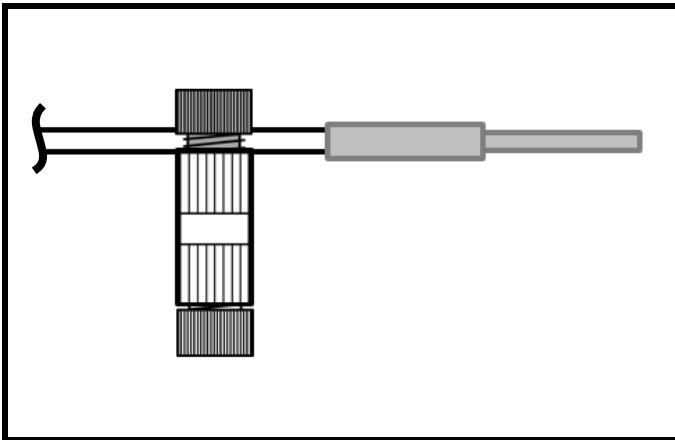


A.2) Installing Posi-Tap™ on ASC (AAA)

- 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.

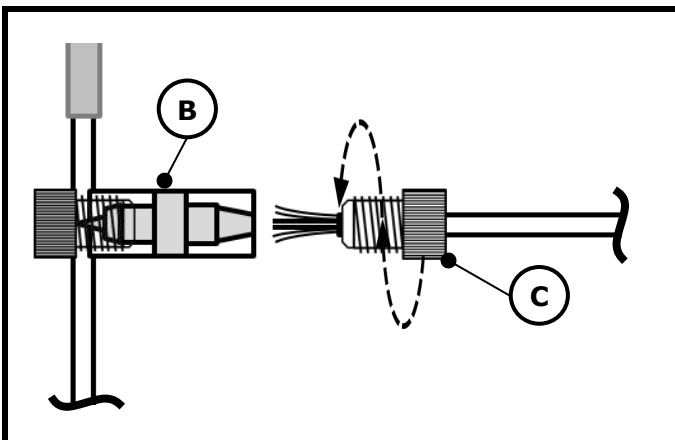
CAUTION

Do not overtighten Posi-Tap, it may damage wire



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

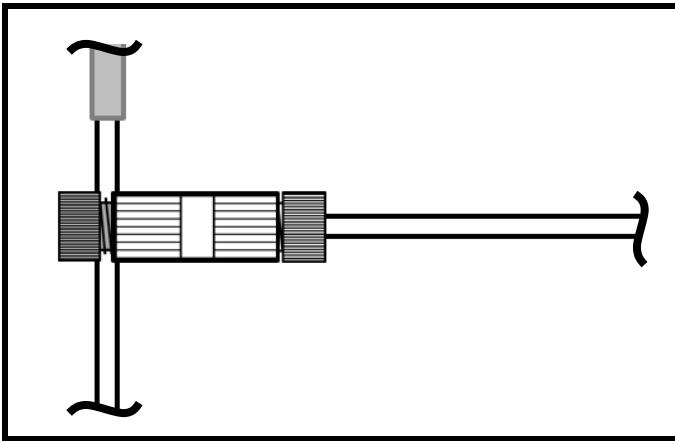
- a) Inspect Posi-Tap™ to ensure correct installation.
- b) Wire jacket should be crushed enough to maintain pressure.
- c) Confirm tap cap gap is straight and evenly spaced around perimeter.



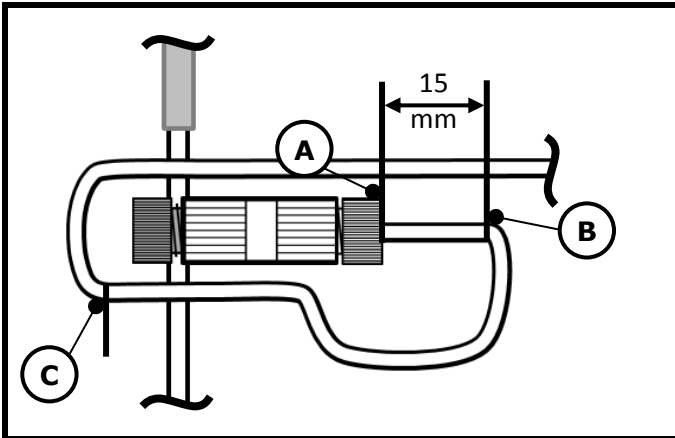
A.4) Installing Accessory wire into Posi-Tap™

- 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.

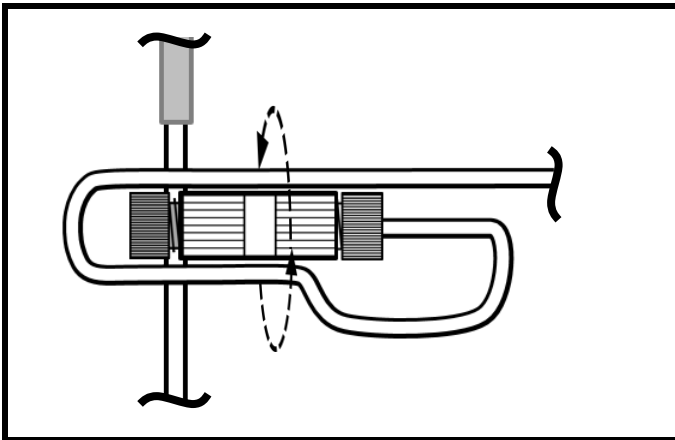
APPENDIX A - POSI-TAP PROCEDURE



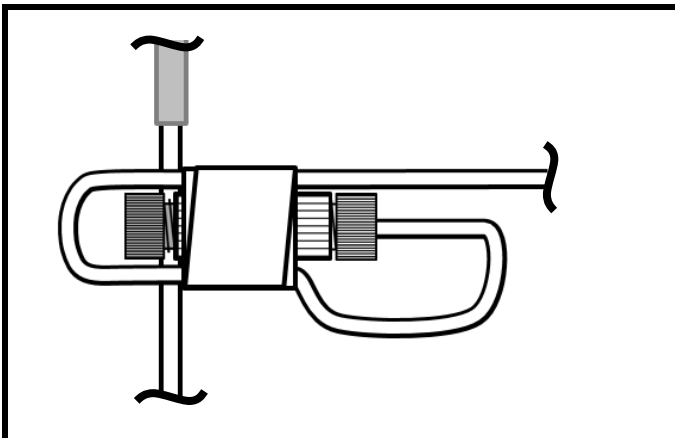
- A.5) Installing accessory wire into Posi-Tap™
- Confirm tap bottom gap is straight and evenly spaced around perimeter
 - Gently pull on wire to confirm secure connection.



- 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).



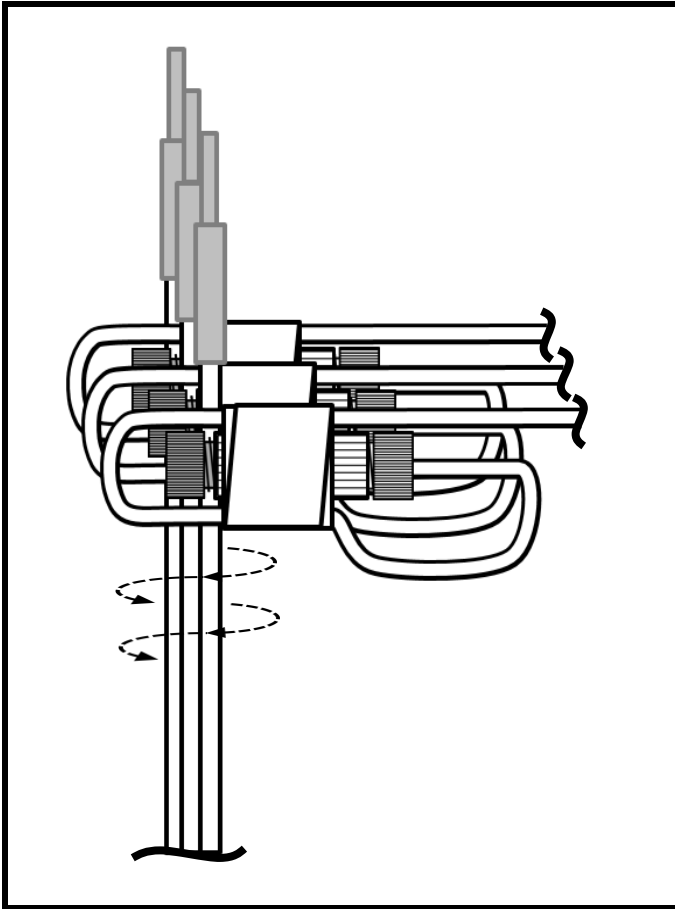
- A.7) Accessory wire strain relief
- Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).
- S



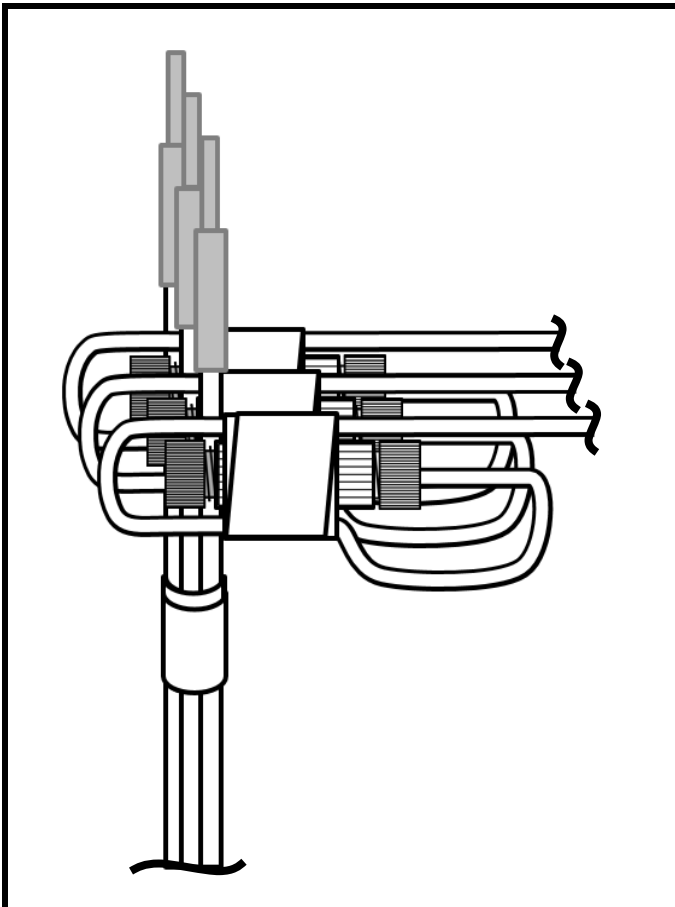
- A.8) Accessory wire strain relief
- Once accessory wire strain relief is taped to tap body, it should look as shown.

- 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

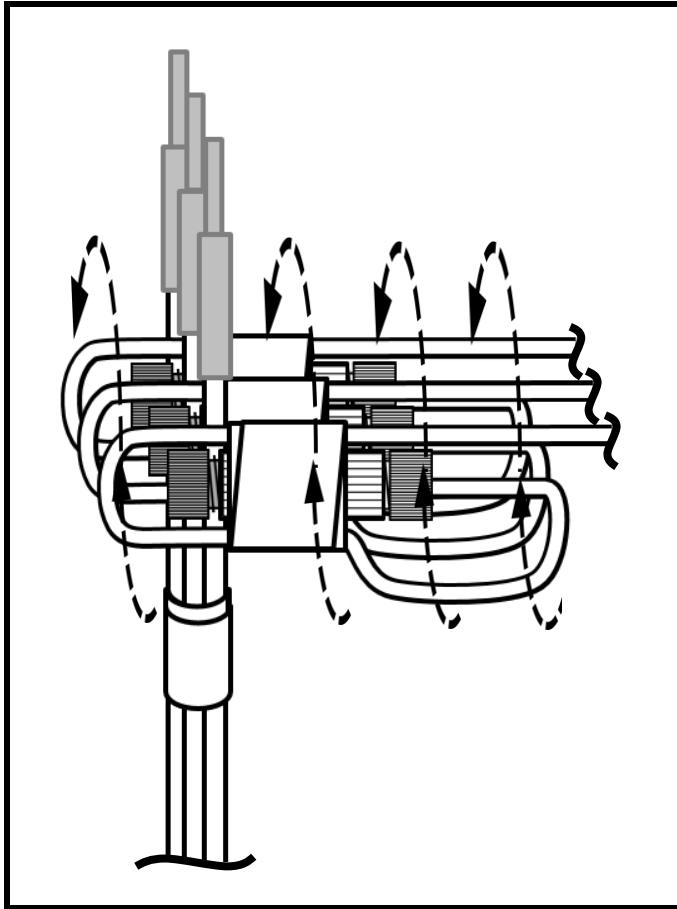


- A.10) Securing multiple Posi-Taps™ together
- a) Stack Posi-Taps™ in slightly staggered fashion as shown.
 - b) Secure tapped circuits together with electrical tape (≥ 2 revolutions).

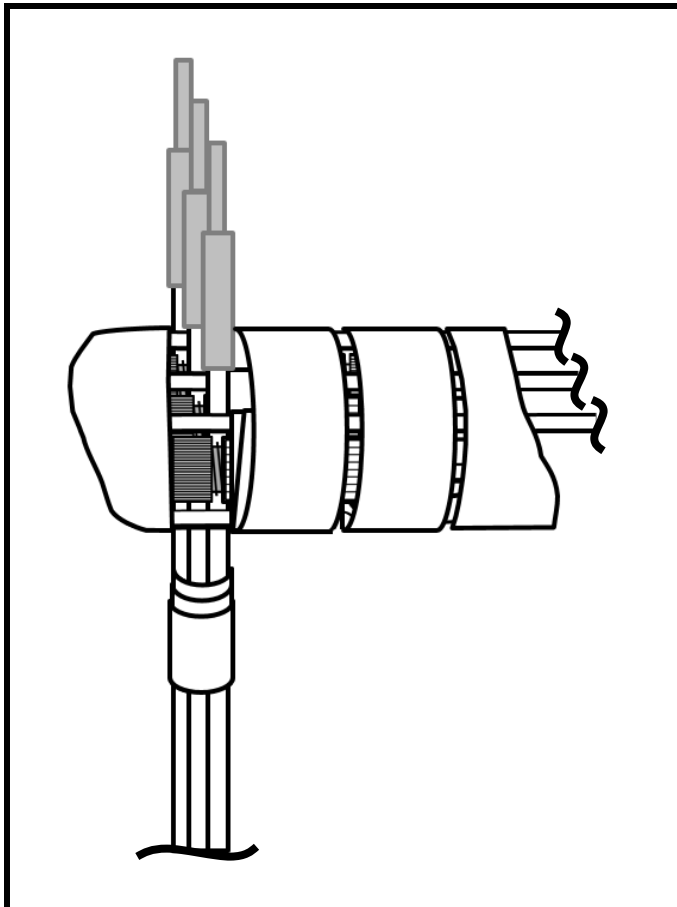


- A.11) Securing multiple Posi-Taps™ together
- a) Once tapped circuits are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE

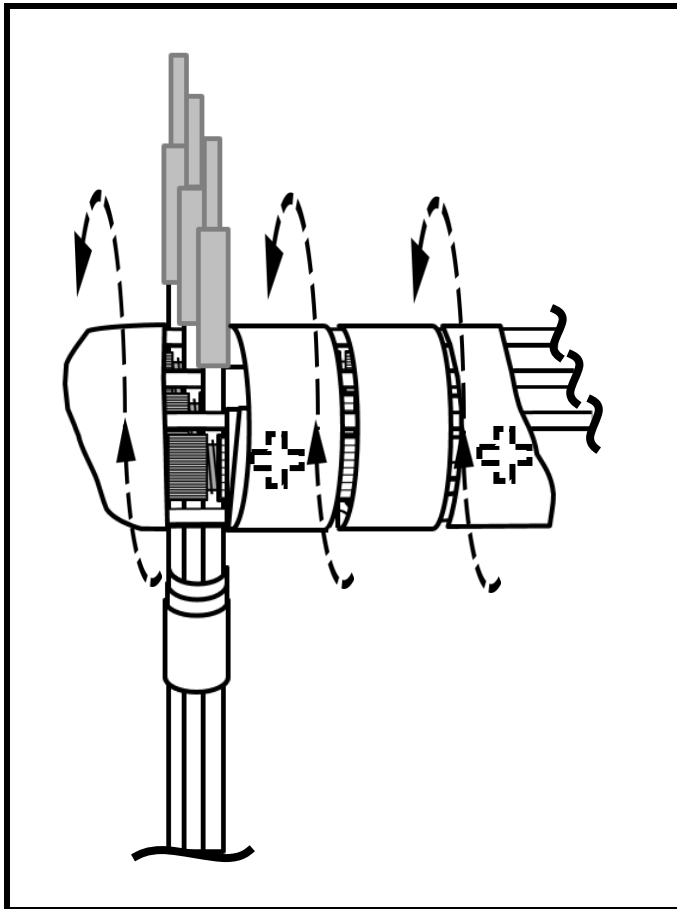


- A.12) Securing multiple Posi-Taps™ together
a) Secure Posi-Taps™ together with electrical tape (≥ 4 revolutions).

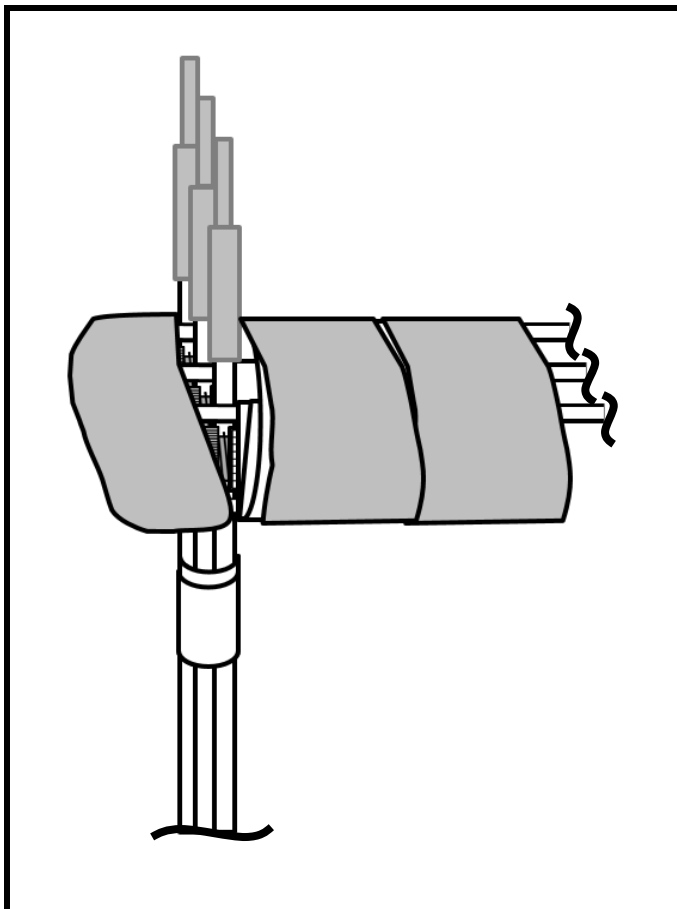


- A.13) Securing multiple Posi-Taps™ together
a) Once Posi-Taps™ are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE



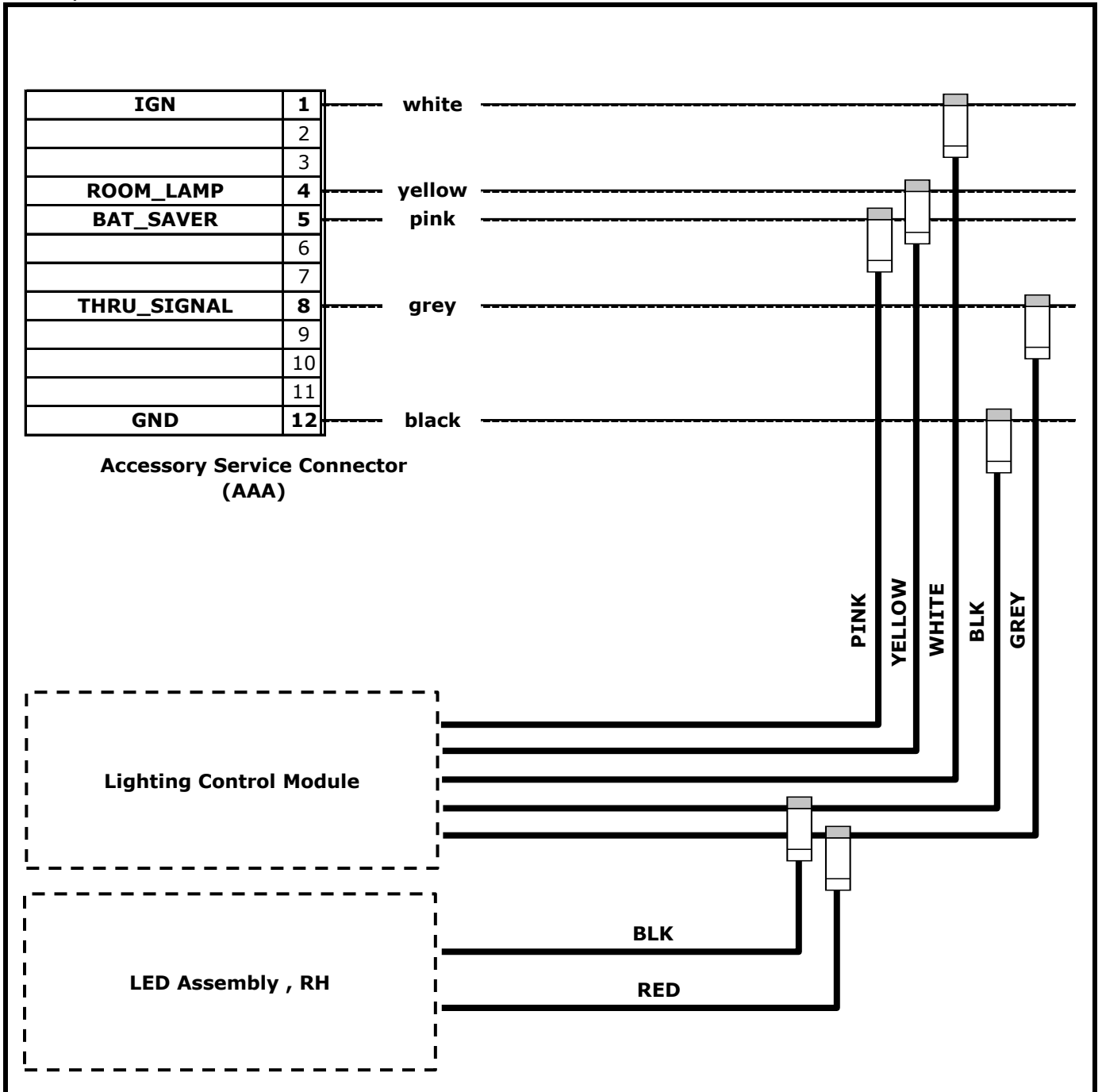
- A.14) Securing multiple Posi-Taps™ together
a) To prevent any possible noise or rattle issues, use two pieces of Foam Tape, Gray (X) to wrap pre-taped Posi-Taps™.
- Foam Tape (X)



- 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

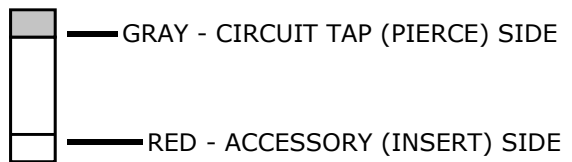
B.1) Figure below applies to the Welcome Lighting connected to the RH ASC



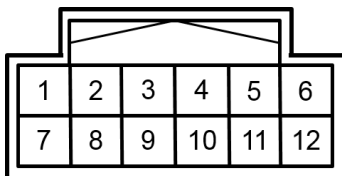
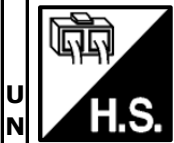
CONNECTOR PN#	T99F6 4RA0A
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR
CONNECTOR COLOR	WHITE

LEGEND

Posi-Tap™



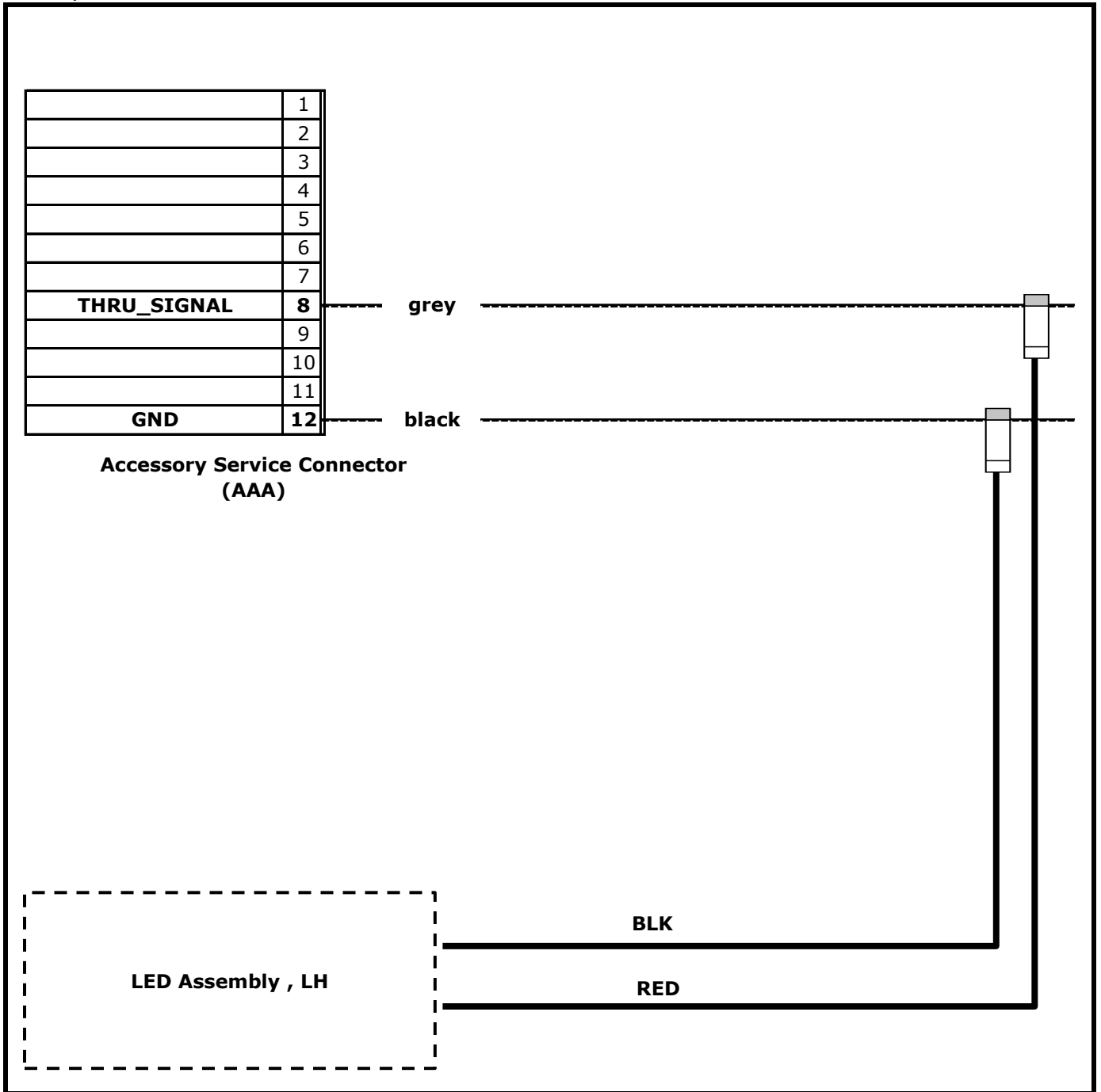
Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.

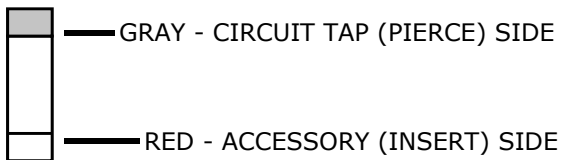

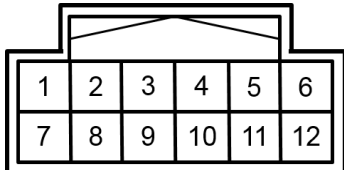


UNIT

APPENDIX B - MECHANIZATION DRAWING

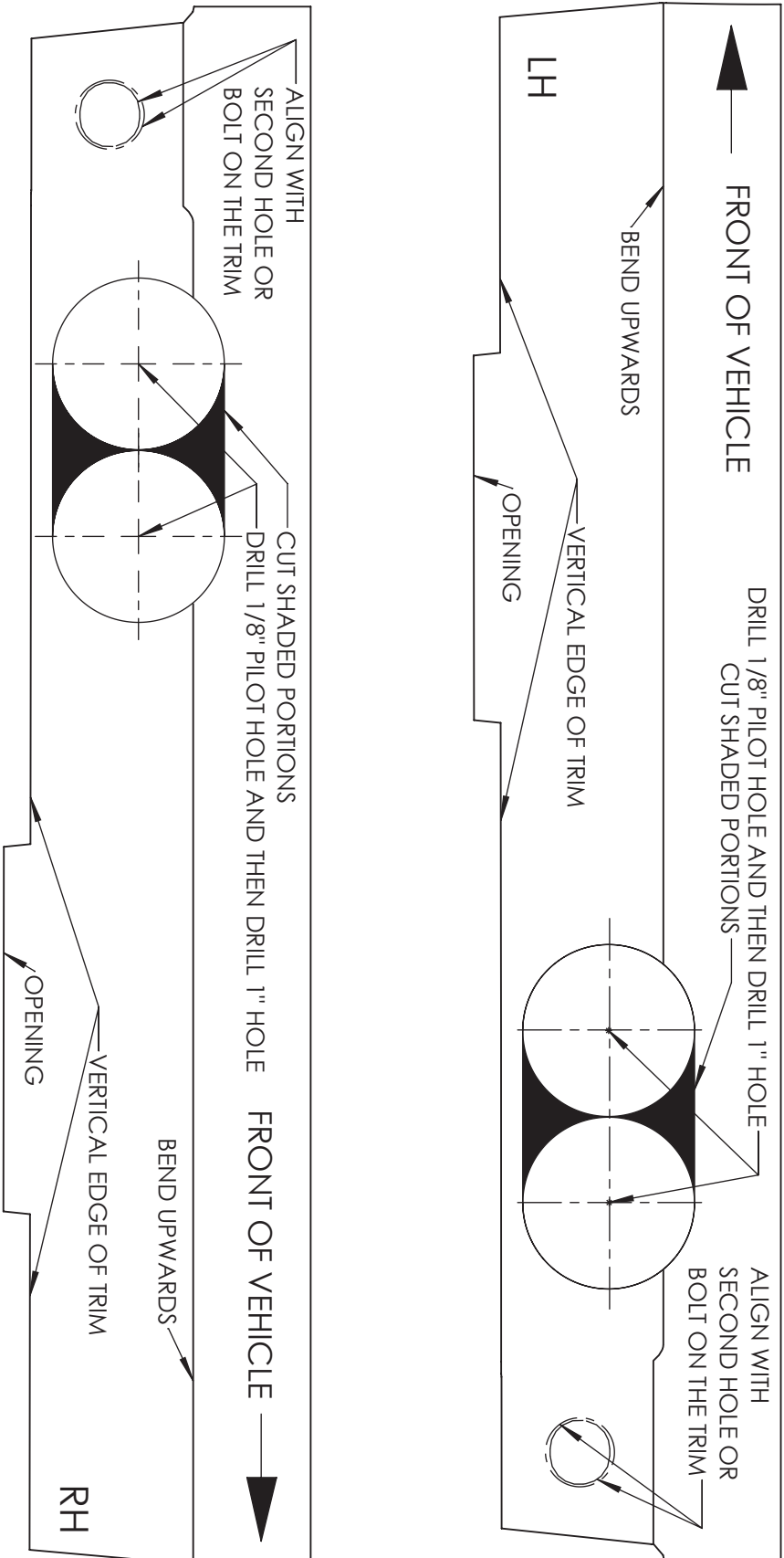
B.2) Figure below applies to the Welcome Lighting connected to the LH ASC



CONNECTOR PN#	T99F6 4RA0A	<p style="text-align: center;">LEGEND</p> <p>Posi-Tap™</p> 	
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR		
CONNECTOR COLOR	WHITE		
			<p>Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.</p>

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P02F WIRE ENTRY HOLE TEMPLATE



**IMPORTANT: BE SURE PRINTER
PAGE SETTING IS PROPERLY
ADJUSTED SO THAT TEMPLATE
PRINTS AT ACTUAL SIZE**



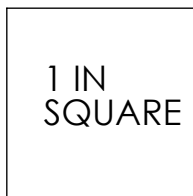
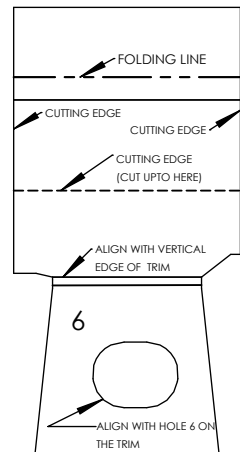
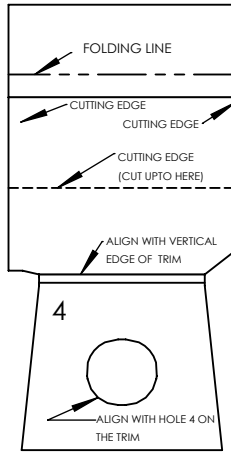
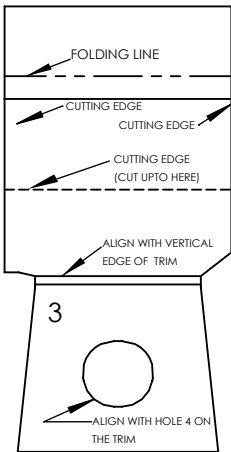
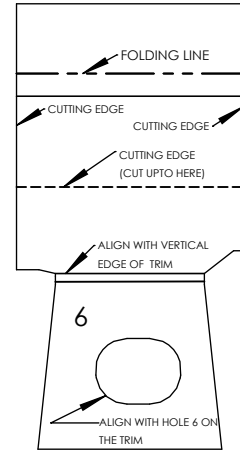
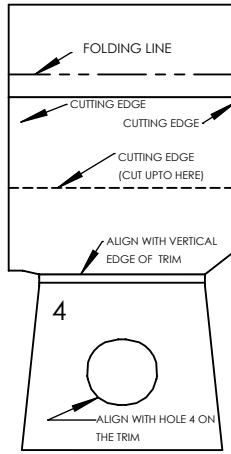
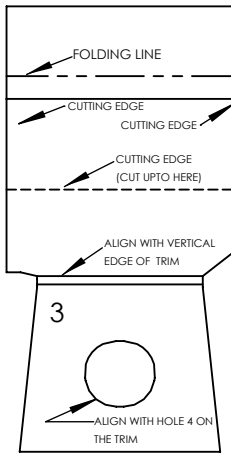
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CAUTION

Template **MUST** be printed to scale. Check printout by using scale below.

P02F PLASTIC TRIM CUTTING TEMPLATE



IMPORTANT: BE SURE PRINTER
PAGE SETTING IS PROPERLY
ADJUSTED SO THAT TEMPLATE
PRINTS AT ACTUAL SIZE