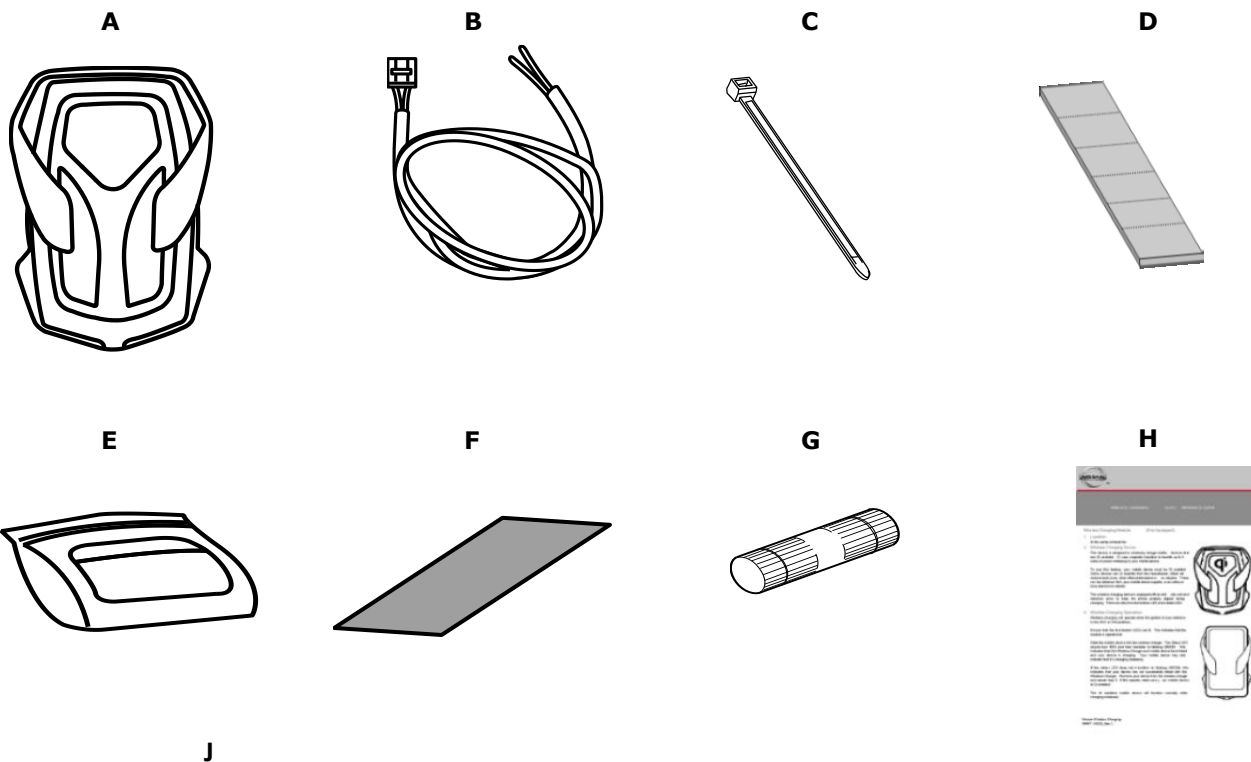




GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION:	Wireless Charging Kit
APPLICATION:	QX50
PART NUMBER(S)	999F7 V4000
REQUIRED FOR	
INSTALLATION:	T99F6 4RA0A (Accessory Service Connector) - Not Included in kit.
KIT CONTENTS:	



Important: Read Before Installation!

Dealer Installation Recommended.

WARNING

To avoid serious personal injury or property damage, obtain the Installation Instructions before attempting to install this accessory. The Installation Instructions provide the necessary procedures for a safe installation.

CUSTOMER INTERNET DOWNLOAD INSTRUCTIONS: Customers can obtain Installation Instructions for Infiniti or Nissan vehicles at www.Infiniti-Techinfo.com or www.Nissan-Techinfo.com respectively. From the home page, select Accessory Instructions. Select your Model, Model Year, and Accessory Type or search for your Model, and or Model Year, and or Accessory Type including Keyword or Part Number, then locate the Instructions for your accessory.

DEALER ASSIST DOWNLOAD INSTRUCTIONS: Dealership technicians can locate the Installation Instructions for this accessory by scrolling to and select 'Acc. Install Instructions' tab. Always download and use latest version of the Installation Instructions.


Installation Instructions Replacement Template 999V2 8/8/00 Rev. 06/05/12

ADDITIONAL SERVICE PARTS NOT INCLUDED IN KIT ABOVE :

Item	Qty.	Part Description	Service Part Number
AAA	1	Accessory Service Connector	T99F6 4RA0A

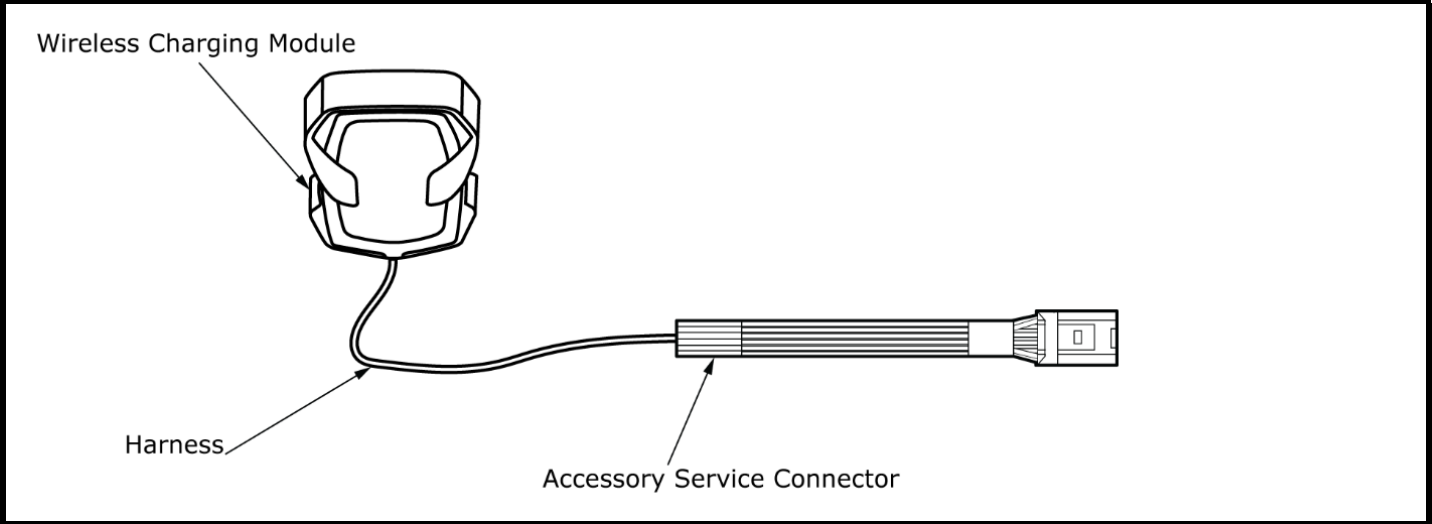


AAA

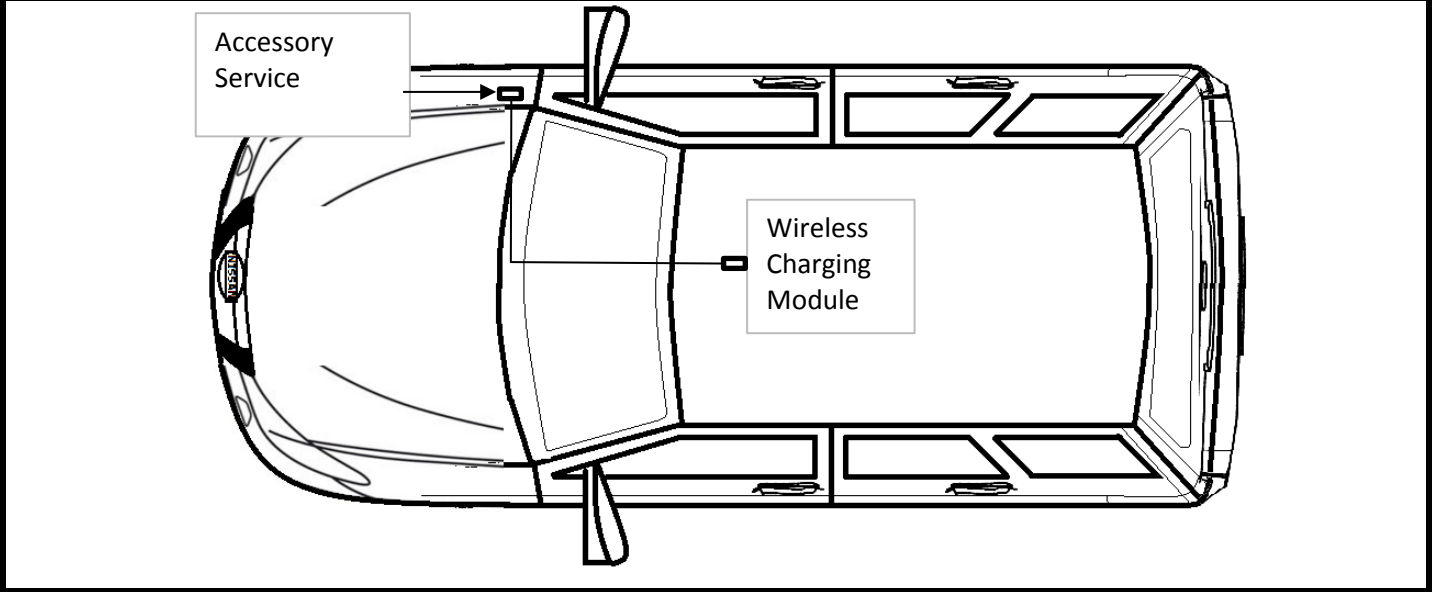
PART NUMBER(S)		999F7 V4000	
REQUIRED FOR INSTALLATION:		T99F6 4RA0A (Accessory Service Connector) - Not Included in Accent Lighting Kit	
KIT CONTENTS:			
Item	Qty.	Part Description	Service Part Number
A	1	Wireless Charging Module	Not Serviceable- Part of Kit 999F7 V4000
B	1	Harness Assembly	
C	8	Wire Ties	
D	11	Foam Tape	
E	1	Poly Bag	
F	1	Double Sided Tape	
G	2	Posi-Taps	
H	1	Owners Manual/Quick reference	
J	1	Installation Instruction Website Address	999V2 AW000
TOOLS REQUIRED:			
<ul style="list-style-type: none"> • Ratchet, 1/4" drive • Socket, 10mm, 1/4" drive • Torque Wrench, 1/4" drive • Work Light • Masking Tape • Pliers, Wire Cutting • Electrical Tape • Trim Removal Tool, Nylon • 90 degree Drill Adapter 			
INSTALLATION CAUTIONS:			
<div style="text-align: center;">  CAUTION </div>			
<ul style="list-style-type: none"> • 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 you purchased the product. 			

SECTION 1 - OVERVIEW

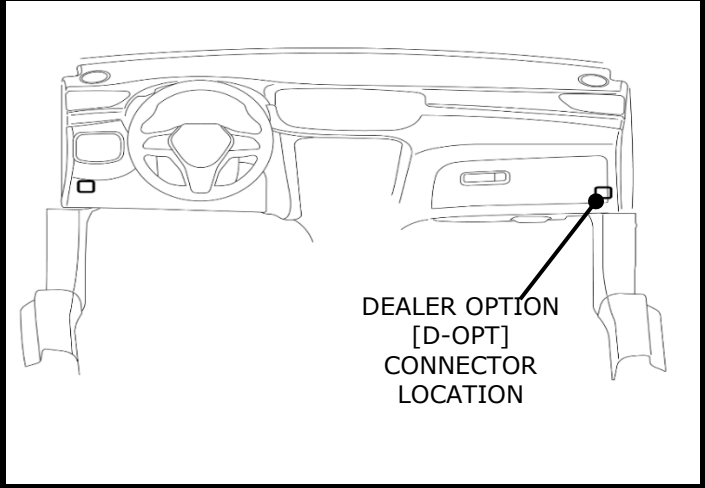
1.1) SYSTEM



1.2) VEHICLE



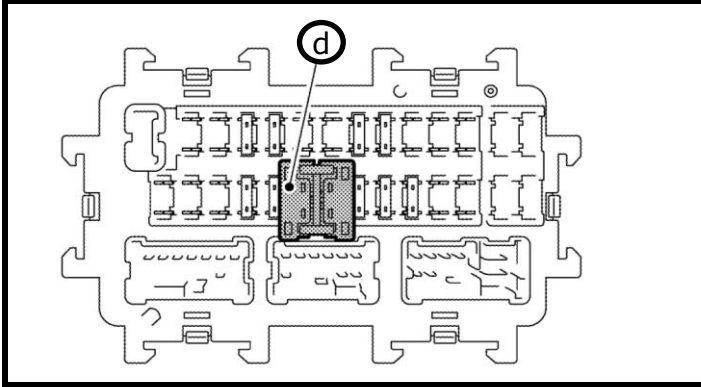
1.3) D-OPT CONNECTOR LOCATION



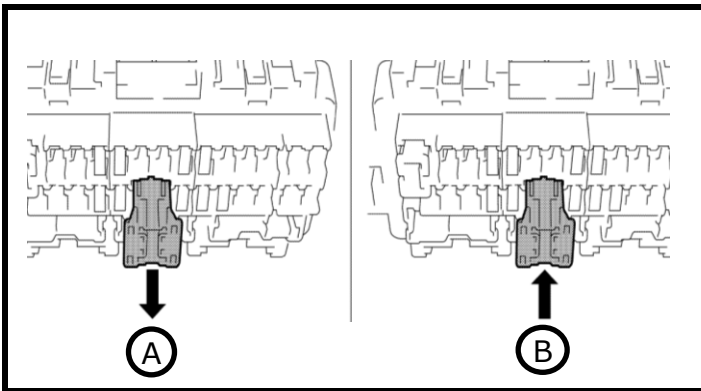


CAUTION

- 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
- Put shift lever in "P" position for A/T and CVT or "1st" for M/T .
 - Apply park brake.
 - Place ignition in "OFF" mode.
 - Locate Extended Storage Switch in cabin fuse block as shown.
 - Confirm Extended Storage Switch is in "Customer" (In/Engaged) position.
 - If ESS is not In/Engaged, then proceed to step 2.2 .



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

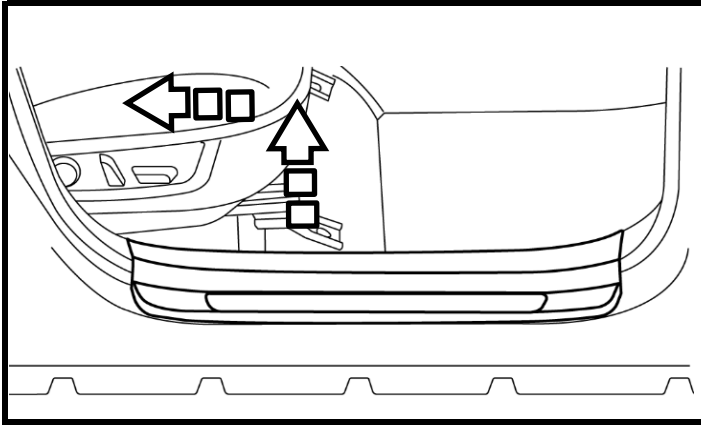
Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

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

Preset	1	2	3	4	5	6	7	8	9	10

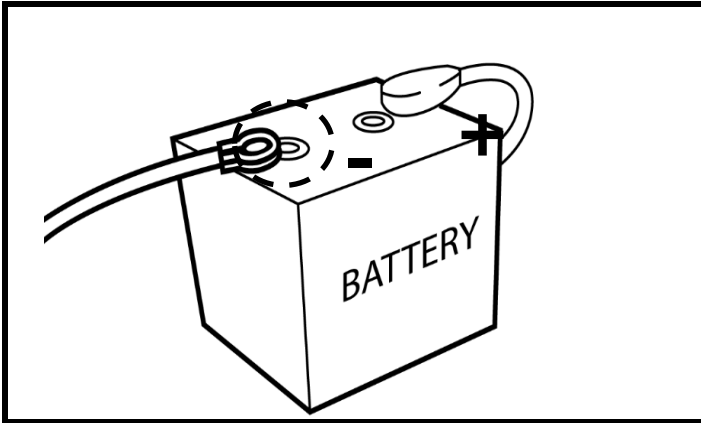
- Place ignition in "OFF" mode.

SECTION 2 - VEHICLE PREPARATION



2.4) Move seat

- a) Move Passenger side front seat to full upward and rearward position.



2.5) Disconnect battery terminal

- a) Locate negative battery terminal.
- b) Loosen nut with 10mm socket

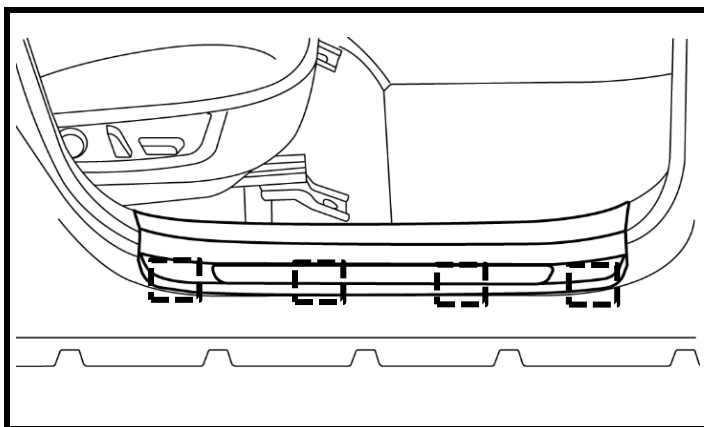
Battery Terminal Nut



CAUTION

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

SECTION 3 - TRIM REMOVAL



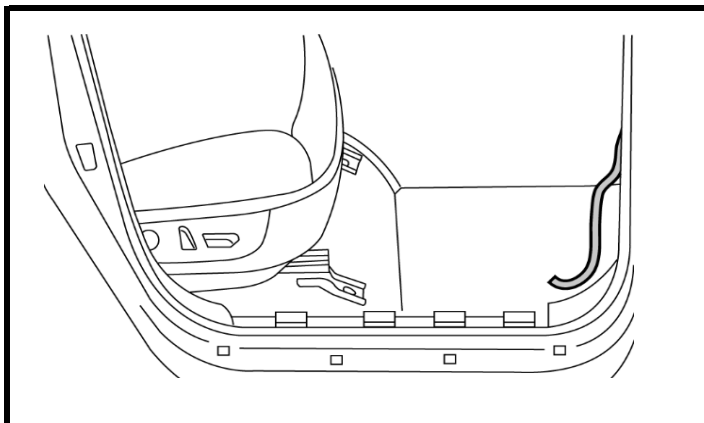
3.1) Remove Front Trim, RH

- a) Disconnect 4 sill clips by prying upward with trim removal tool.

Trim Clip

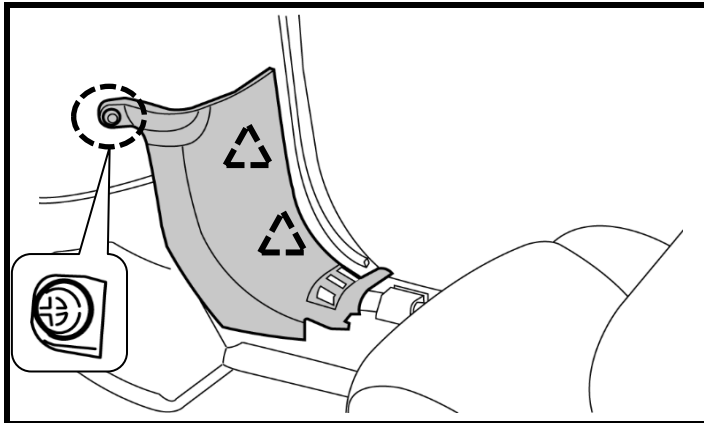


- b) Lift up to remove sill plate.



3.2) Remove Front Trim, RH

- a) Pull out front RH door sill weather strip along forward side as shown.



3.3) Remove Front Trim, RH

- a) Remove trim fastener from lower kick trim by unscrewing with hand.
- b) Disengage 2 lower kick trim pawls by pulling rearward as shown.

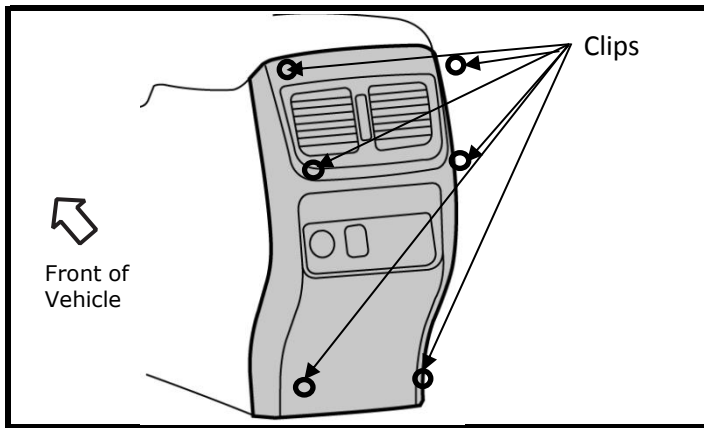
Trim Fastener



Pawl

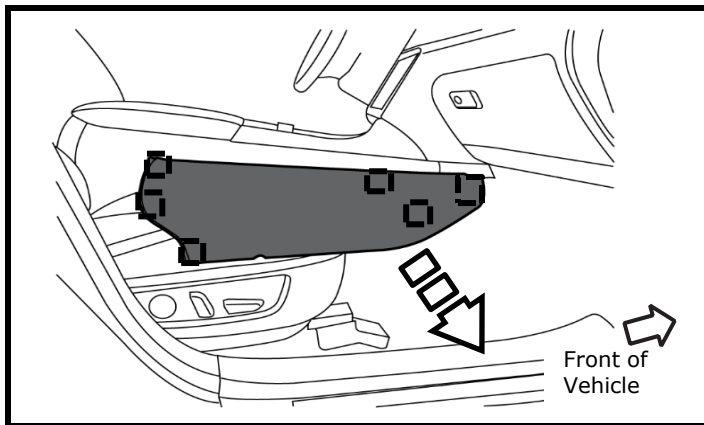


SECTION 3 - TRIM REMOVAL



3.4) Remove Center Console Rear Finisher

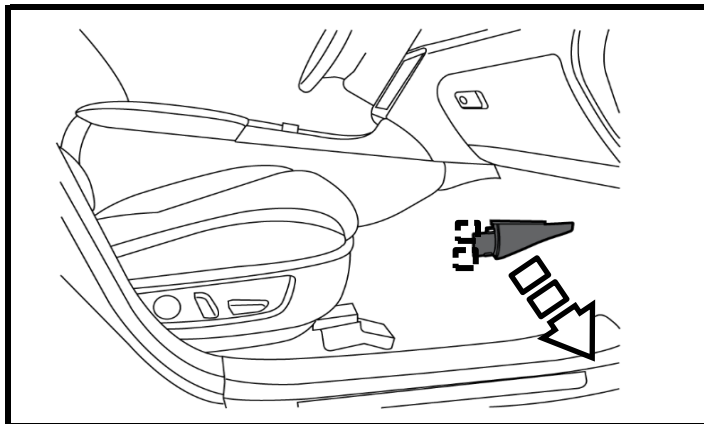
- a) Starting from bottom of console using trim removal tool, remove console at six clip locations.



3.5) Remove Center Console RH side Finishers

- a) Remove the center console RH side trim from the rear storage lid to front of the center console where it meets the I.P.
- b) Remove the center console RH side front trim as well, as shown.

Trim Clip



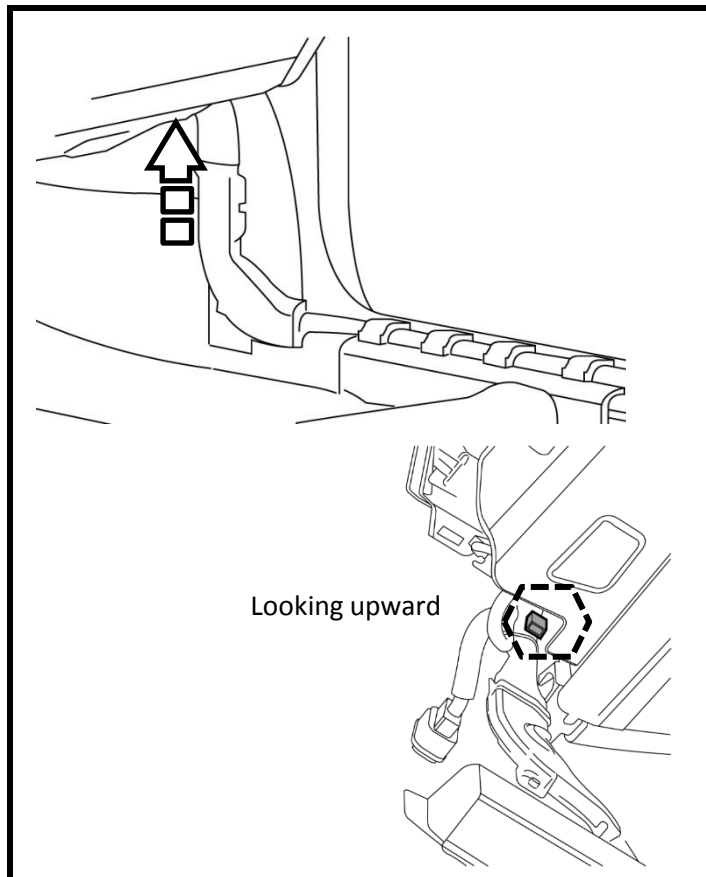
3.6) Remove Center Console RH side Finishers

- a) Remove the center console RH side trim from the rear storage lid to front of the center console where it meets the I.P.
- b) Remove the center console RH side front trim as well, as shown.

Trim Clip



SECTION 3 - TRIM REMOVAL

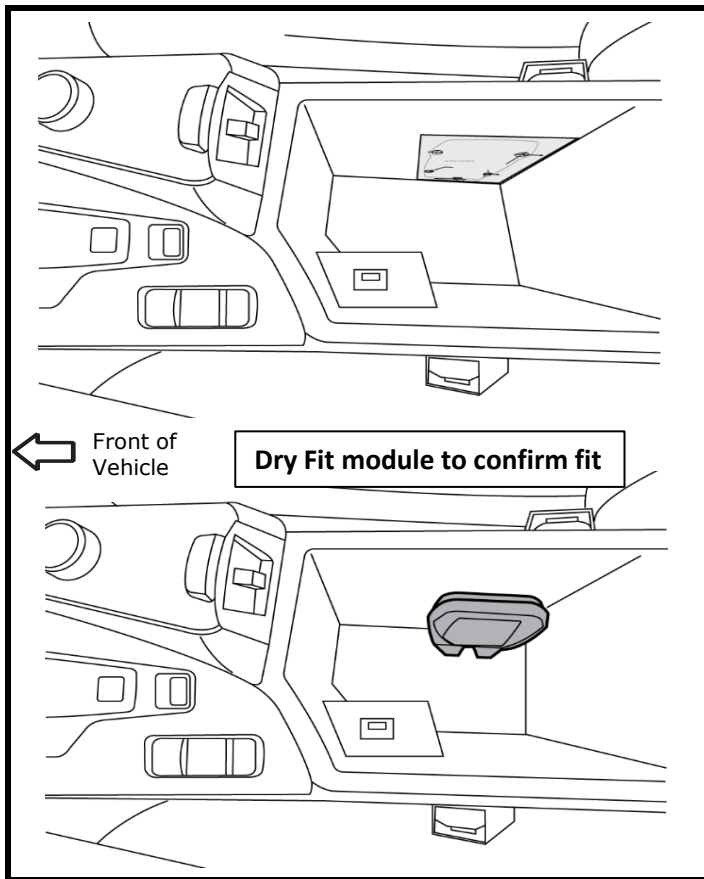


- 3.7) Locate RH side D-Opt connector
a) Locate Dealer-Option connector taped to main harness bundle.

D-Opt Connector



SECTION 4 - INSTALLATION PROCEDURE

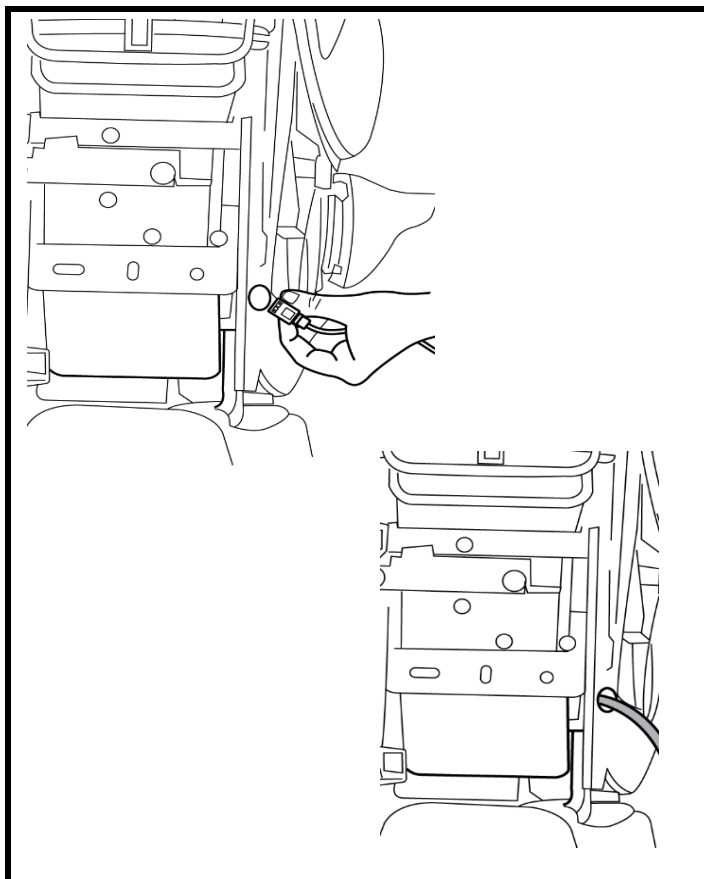


- 4.1) Prepping surface for mounting module
- Open Armrest Bin. Remove Carpet (if any).
 - Securely tape supplied template (Appendix C) to inside passenger side face of bin. Align right side of template to the side between rear and passenger side within armrest bin
 - Using center punch, locate & mark center of hole drilling locations. One hole is located on bottom of bin and four holes are located on passenger side face of bin, as shown.
 - Using 1/8" bit, drill pilot holes on rear face of bin. Use step drill to finish holes to 7/16".
 - Using 7/16" bit, drill hole marked on the bottom of bin.
 - Dry fit module to confirm fit.
 - Clean debris from bin.



CAUTION

- When drilling, be extremely careful of harnesses & ducts on back of panel
- Always use drill bit stop to control drilling depth to 1/4"



- 4.2) Module Harness routing
- Feed fishing wire through drilled bottom hole and route harness connector into bin through 7/16" bottom hole from the passenger side into center console bin.
 - Plug the harness connector to the module at the bottom. Press firmly, listen for "Click" and give a slight tug to check.

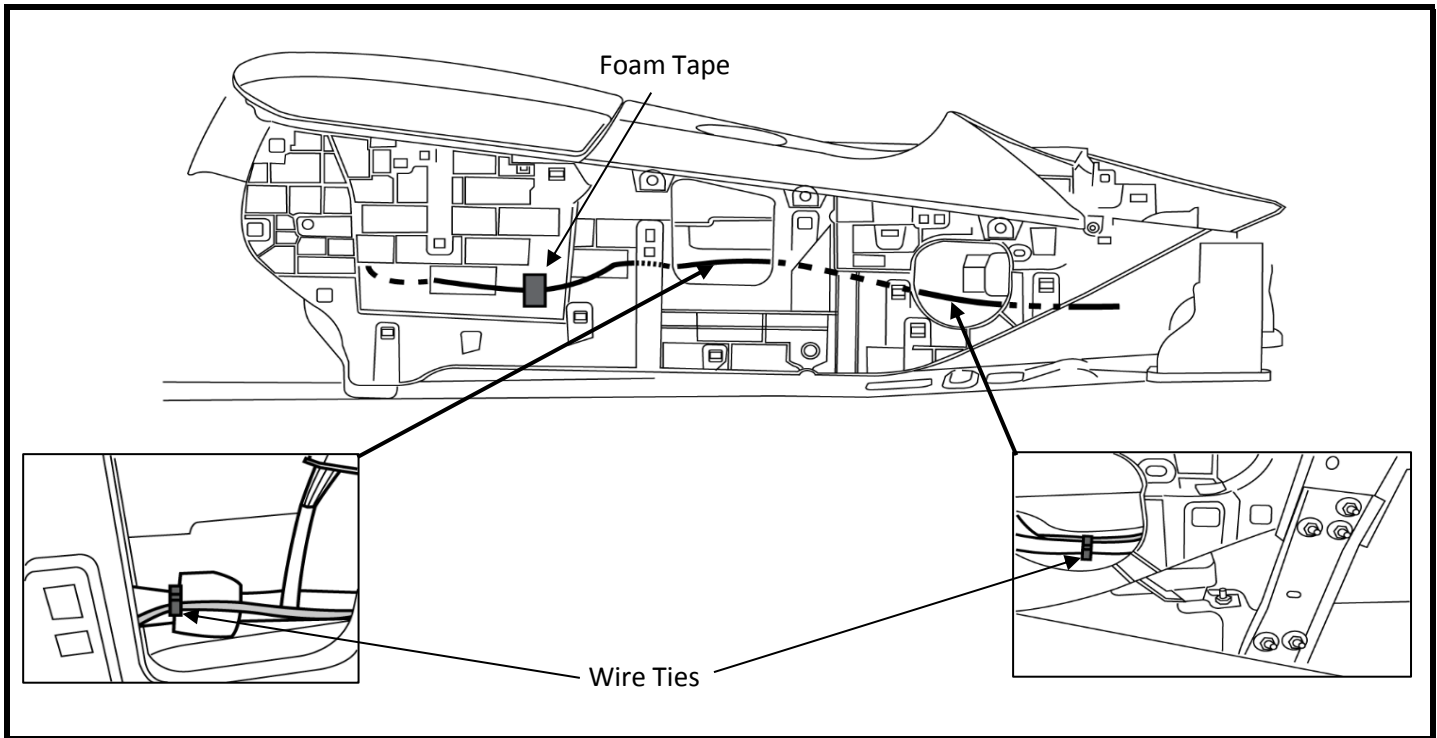
NOTE:

Leave sufficient length of harness in bin to connect module.

SECTION 4 - INSTALLATION PROCEDURE

4.3) Module Harness routing

- a) Carefully route the harness from the console bin to front of the center console RH side.
- b) Apply Foam tape on trim outer side & Wire ties via openings, as shown.

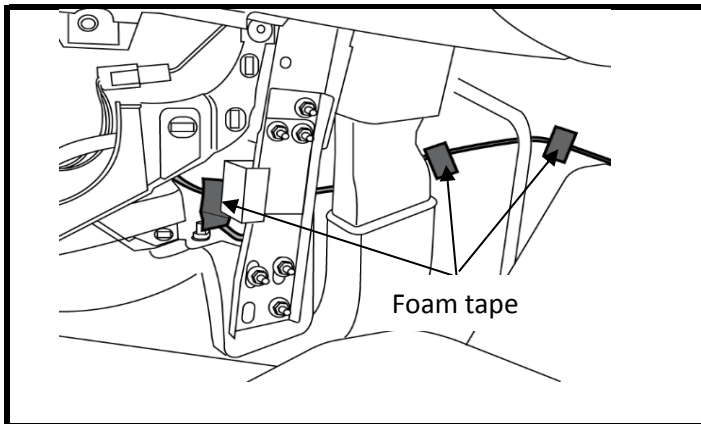


4.4) Module Harness routing

- a) Route harness to inside center console & away from drain tube (in center console front area) into Passenger side front footwell area. Apply 3 pieces of Foam Tape to hold the harness to carpet, as shown.

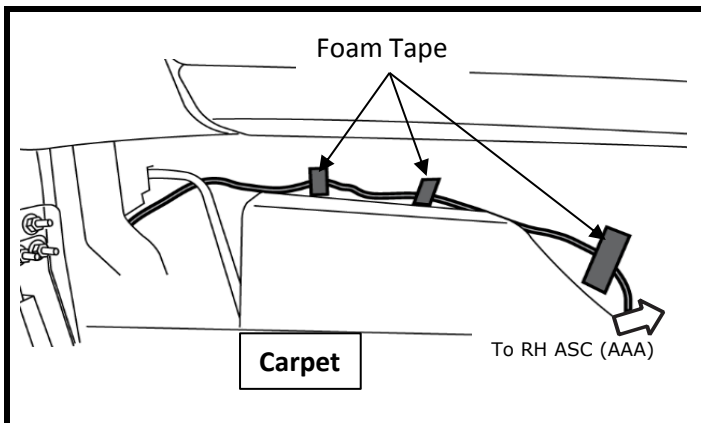
NOTE:

DO NOT Disturb Drain Tube.
DO NOT Apply Wire Tie to Drain Tube.
Ensure Harness Routes Behind and Under Drain Tube.

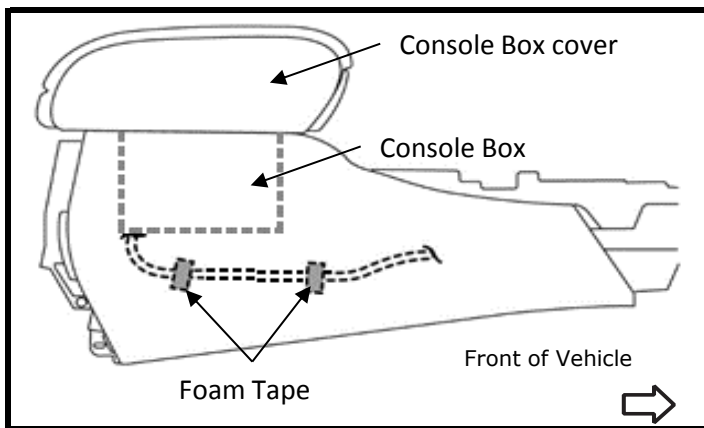


4.5) Module Harness routing

- a) Pull back Passenger side footwell carpet, route harness to Passenger side accessory service connector (ASC) along passenger footwell. Apply 3 pieces of Foam Tape, as shown.

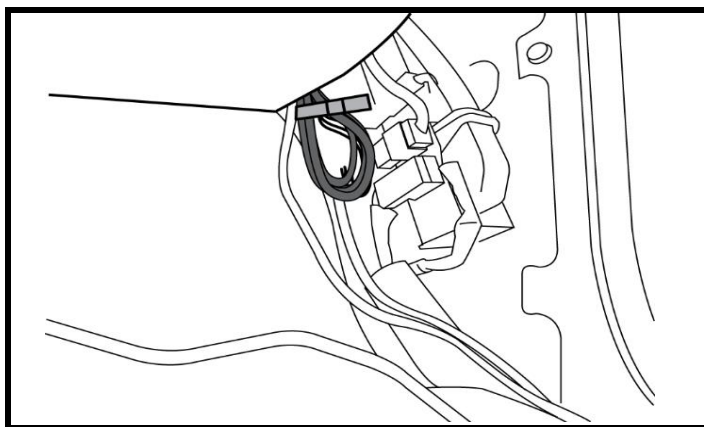


SECTION 4 - INSTALLATION PROCEDURE



4.6) Module Harness routing

- a) Using 2 additional foam tapes, secure harness to inside passenger side trim of console box in two places, as shown.



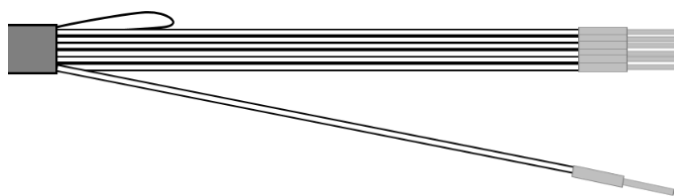
4.7) Module Harness routing & connection

- a) Place Passenger D-OPT connector in original position prior to cutting cable tie. Cable tie positaps and extra harness to vehicle wire harness with 2 cable ties. Tighten all wire ties.
- b) Perform function check as suggested in Section 5. Perform Module installation & trim reinstall as suggested in Section 6 & Perform final inspection as per Section 7.

! CAUTION

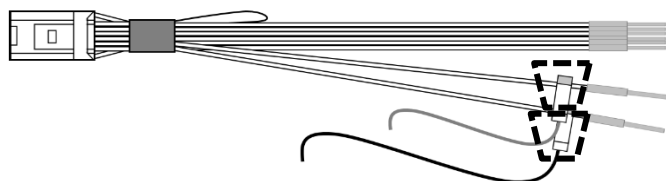
The Accessory Service Connector (AAA) is for use only with Genuine Nissan or Nissan-Approved accessories. Nissan/Infiniti is not liable for loss or damage due to improper installation or installation of non-Genuine or non-Approved accessories.

**Accessory Service Connector (AAA)
end**



5.1) Connect ASC (AAA) to Wireless Charging Module

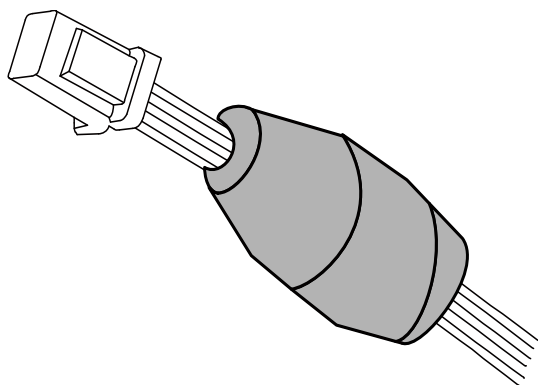
- a) For detailed directions, see Appendix A - Posi-Tap Procedure.
- b) Additional circuit information is in Appendix B - Mechanization Drawing.



5.2) Connect ASC (AAA) to Wireless Charging Module

- a) Using a Posi-Tap, connect the BLACK wire from Module Harness to "GND" (BLACK wire) of the ASC (AAA) as shown.
- b) Using a Posi-Tap, connect the RED wire from Module Harness to "ACC" (ORANGE wire) of the ASC (AAA) as shown.

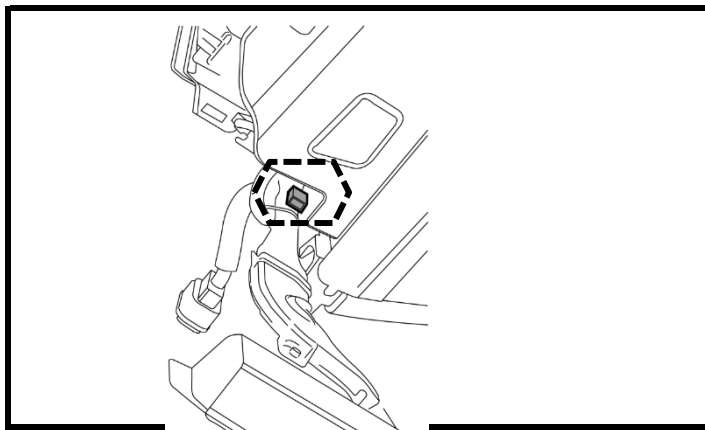
Posi Tap (F)



5.3) Connect ASC (AAA) to Wireless Charging Module

- a) Once the ASC is prepared as described in Appendix A, the Wireless Charging Module harness with ASC attached should look like this.

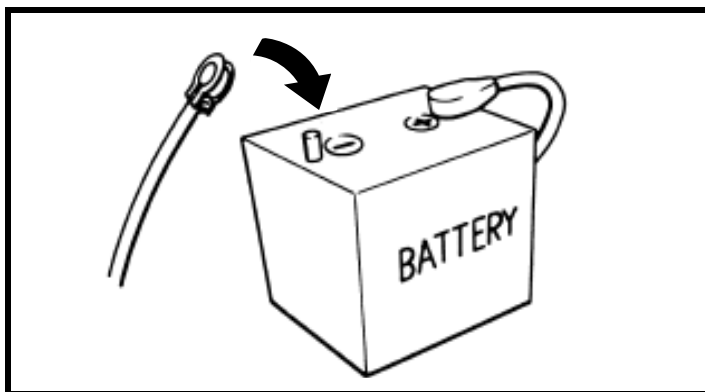
SECTION 5 - ASC CONNECTION & FUNCTION CHECK



5.4) Connect ASC (AAA) to Wireless Charging Module Harness

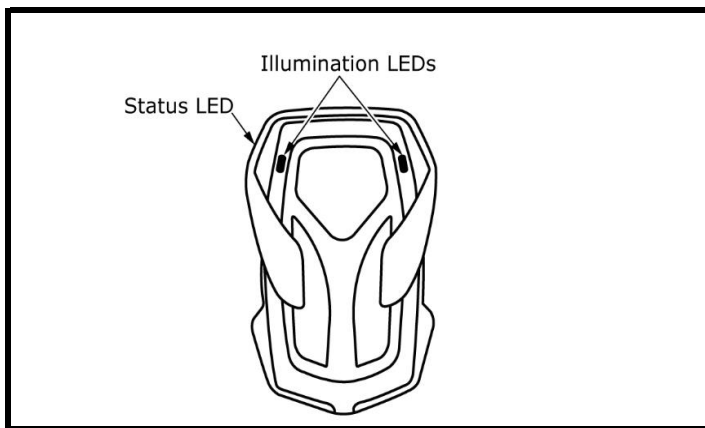
- a) Plug RH ASC into RH D-Opt connector.

D-Opt Connector



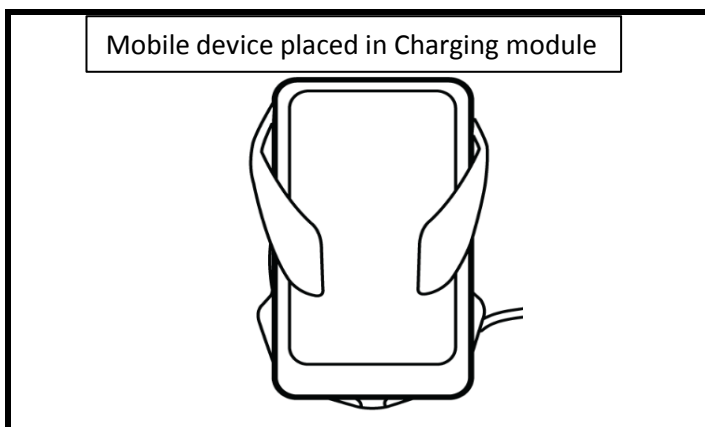
5.5) Electrical function check

- a) Re-connect negative battery cable
- b) Confirm Wireless Charging Module powers up by verifying the connectivity as per Steps 5.6 & 5.7



5.6) Wireless Charger module function check

- a) Connect Accessory Service Connector to vehicle harness (Steps 5.1 - 5.4).
- b) Connect harness to module (Section 4).
- c) Place vehicle ignition switch in IGN position.
- d) Two illumination LEDs will light up on charger module. The status LED will blink RED and then turn off.



5.7) Wireless Charger module function check (optional)

- a) If mobile device compatible with Qi specification is available, place device in charging surface. Status LED will blink red once and then flash green. Mobile device should indicate it is charging.

SECTION 5 - ASC CONNECTION & FUNCTION CHECK

5.8) Electrical function check

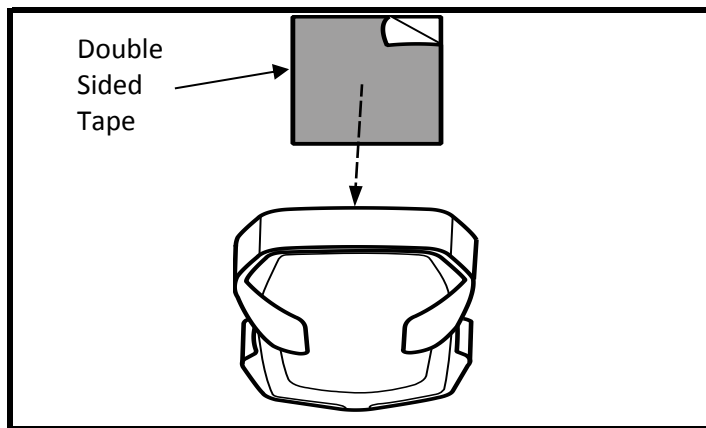
- a) If NG, check fusing, harness routing, connections, and Module to identify root cause.



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.

SECTION 6 - FINAL INSTALLATION PROCEDURE

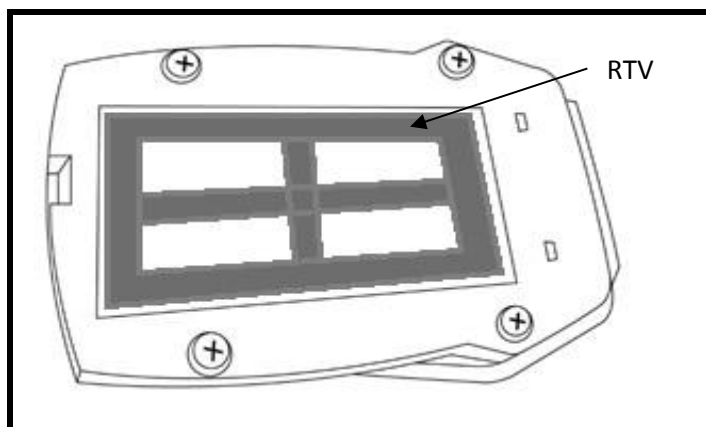


6.1) Module Installation

- a) Clean location for mounting module (Step 4.1) with alcohol wipe. Allow to dry for one minute.
- b) Remove liner from double sided tape installed on rear of module.

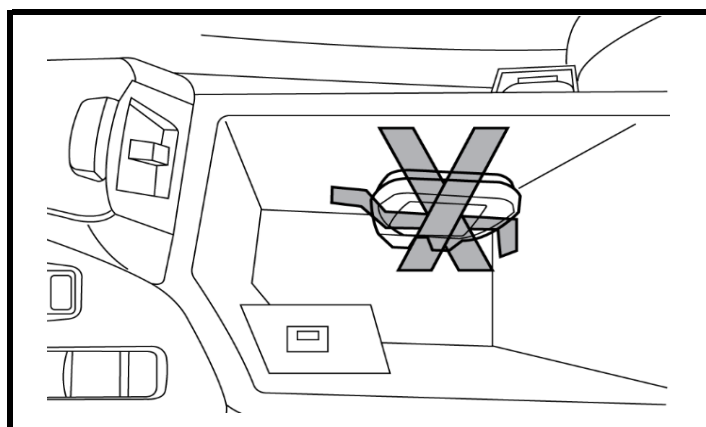
NOTE:

If Center console bin contains flocked surface, follow step 6.2, otherwise skip to 6.3



6.2) Module Installation

- a) In case of flocked surface inside console bin, Apply generous beads of silicone adhesion sealant (RTV) uniformly to ensure no dripping.



6.3) Module Installation

- a) Align four bosses on back of module with four previously drilled location holes.
- b) Press and hold module to bin (by taping module to bin) to allow module to adhere.

NOTE:

If the Center Console bin contains flocked material, allow the glue to cure after the installation for one day. DO NOT LOAD ANY PHONES FOR A PERIOD OF ONE DAY.

6.4) Trim Reinstall

- a) Reinstall RH sill weather strip and RH sill plate.
- b) Reinstall RH lower kick trim & center console rear finisher
- c) Reinstall center console RH side trim and front RH side trim (removed in Section 3). Make sure to re-connect lamp & connector harnesses (if any) before reinstalling trim pieces.



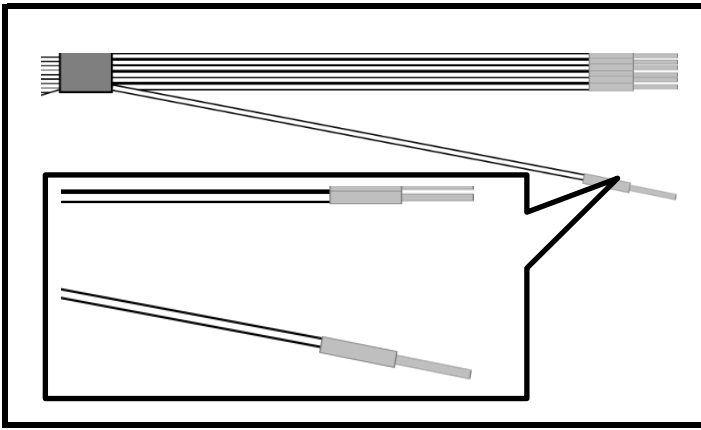
CAUTION

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.

7.1) Complete checklist:

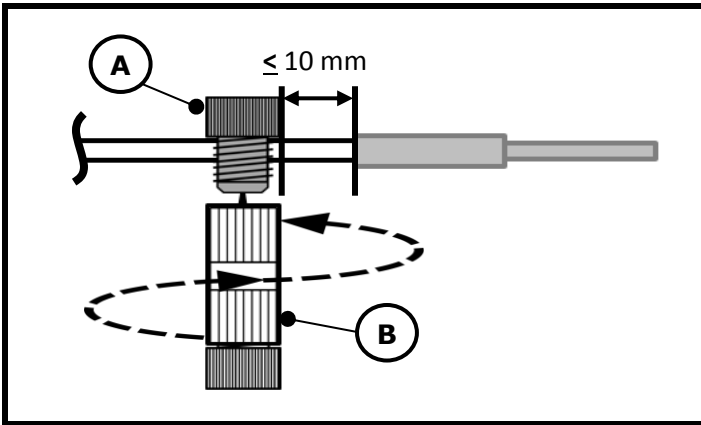
- ☐ Tighten battery terminal nut to 5 N-m.
- ☐ Verify re-installed trim parts for proper fit (no gap, waviness, etc.), particularly the door sill weather
- ☐ Verify all windows and sunroof (if equipped), one touch operation and perform the reset procedure if necessary. Refer to the vehicle Service Manual 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.

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.



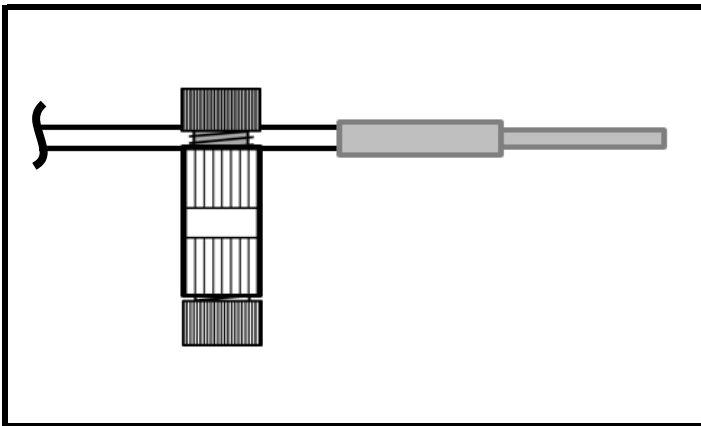
A.2) Installing Posi-Tap™ on ASC (AAA)

- 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.



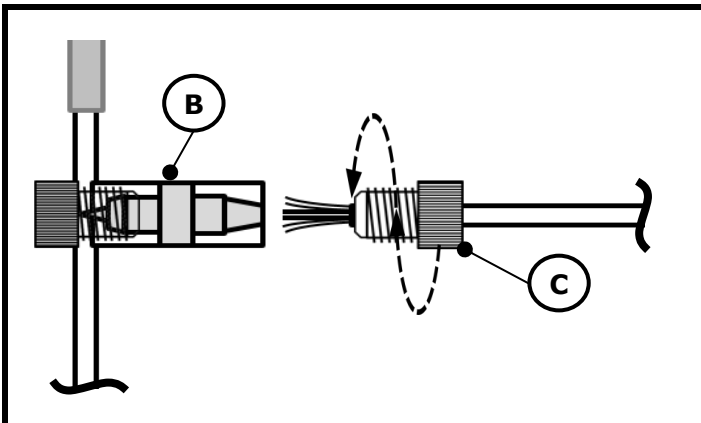
CAUTION

Do not overtighten Posi-Tap, it may damage wire



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

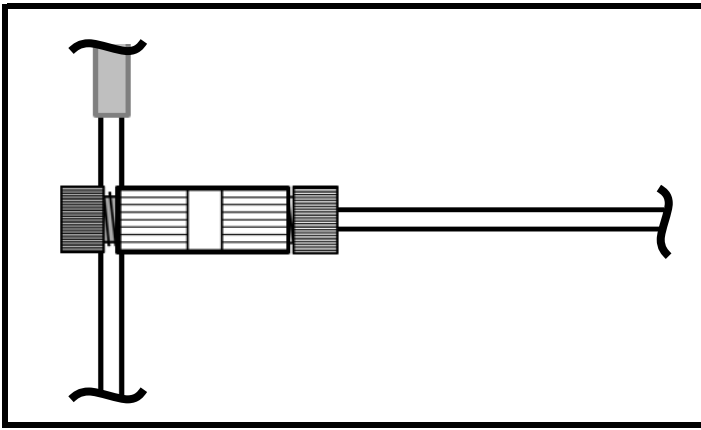
- a) Inspect Posi-Tap™ to ensure correct installation.
- b) Wire jacket should be crushed enough to maintain pressure.
- c) Confirm tap cap gap is straight and evenly spaced around perimeter.



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

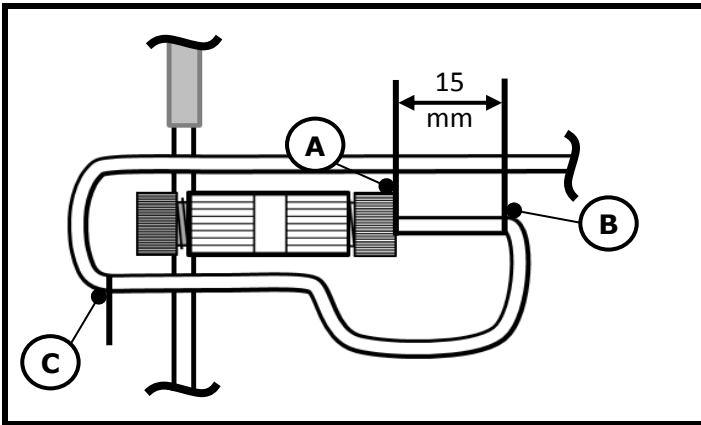
- a) Remove tap bottom (C) red side from tap body (B).
- b) Remove the pre cut insulation from correct Accessory wire.
- c) Insert wire through tap bottom (C) opening.
- d) Fan out individual wire strands as shown.
- e) Insert wire into tap body until it bottoms out.
- f) Turn tap bottom (C) clockwise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

APPENDIX A - POSI-TAP PROCEDURE



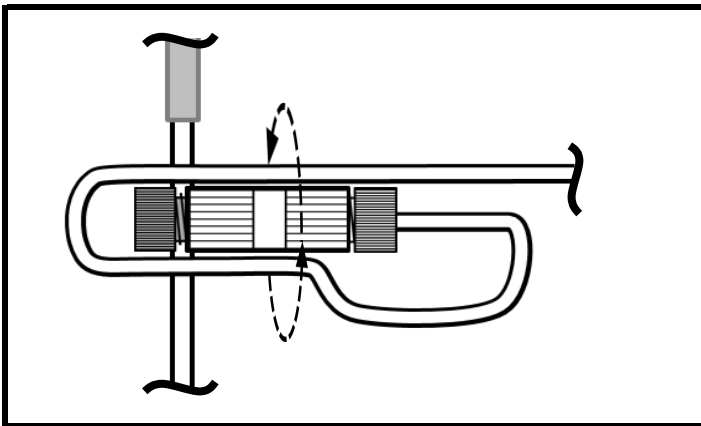
A.5) Installing accessory wire into Posi-Tap™

- a) Confirm tap bottom gap is straight and evenly spaced around perimeter
- b) Gently pull on wire to confirm secure connection.



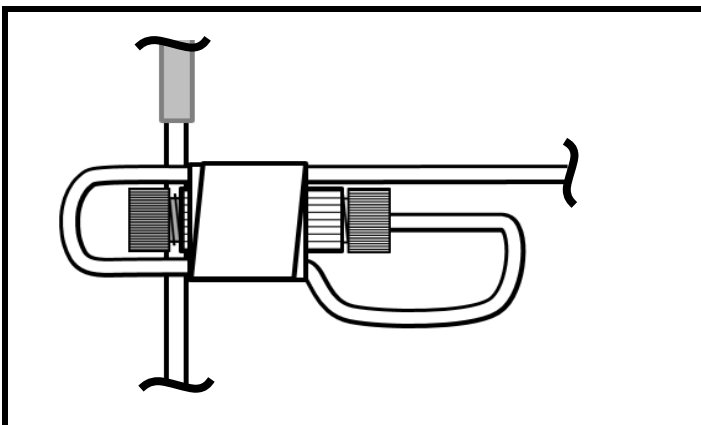
A.6) Accessory wire strain relief

- a) Measure ≥ 15 mm from point (A).
- b) Gently form a loop at point (B) and bend back up towards Posi-Tap™ (bend radius ≥ 10 mm).
- c) 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

- a) Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).



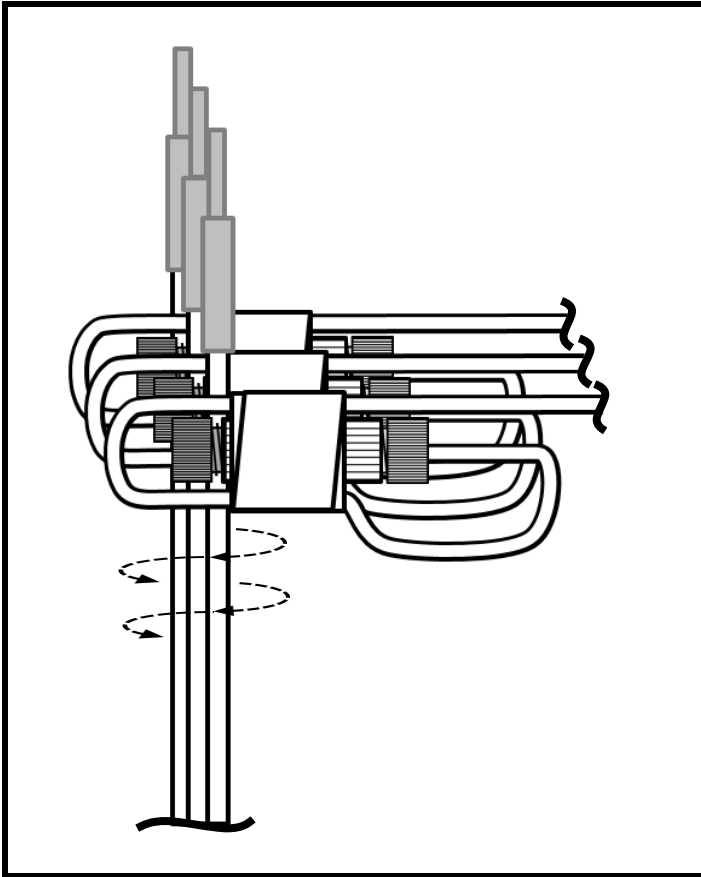
A.8) Accessory wire strain relief

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

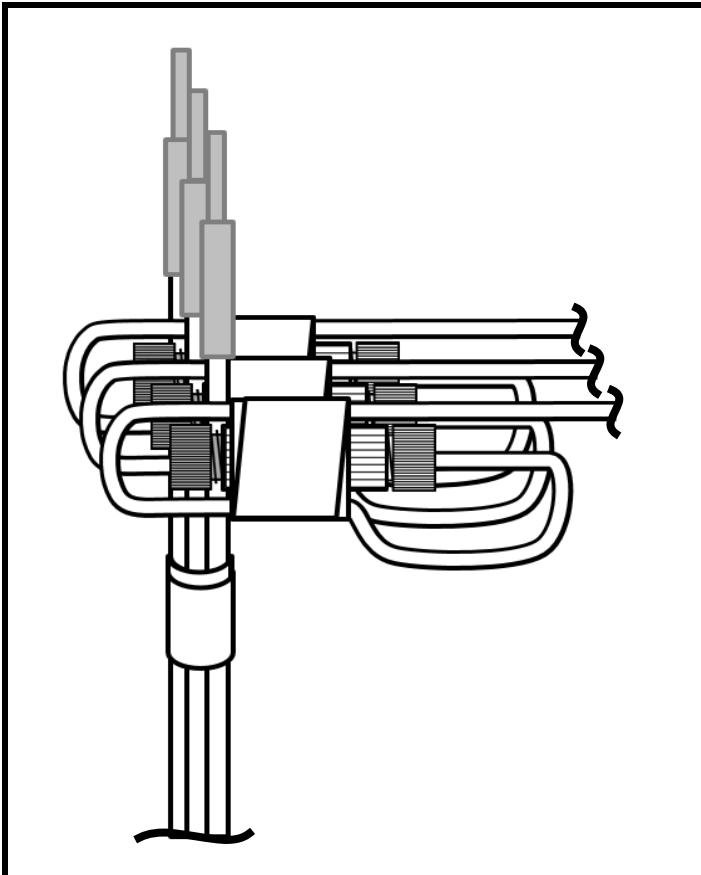
A.9) Installing Posi-Tap™ on ASC (AAA)

- a) Repeat steps A.1 - A.8 for all other wires requiring a Posi-Tap™.

APPENDIX A - POSI-TAP PROCEDURE

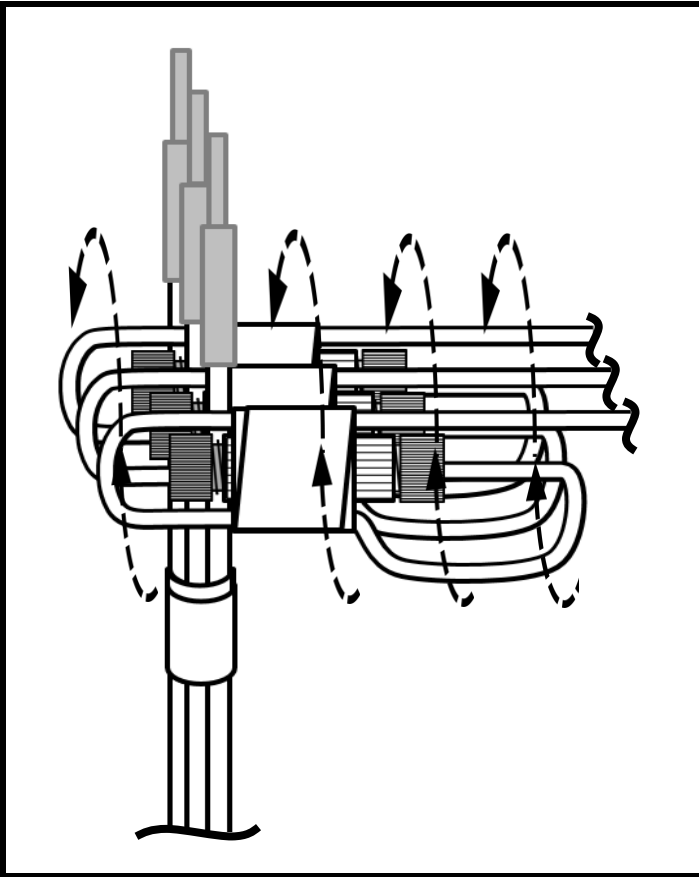


- A.10) Securing multiple Posi-Taps™ together
- a) Stack Posi-Taps™ in slightly staggered fashion as shown.
 - b) Secure tapped circuits together with electrical tape (≥ 2 revolutions).

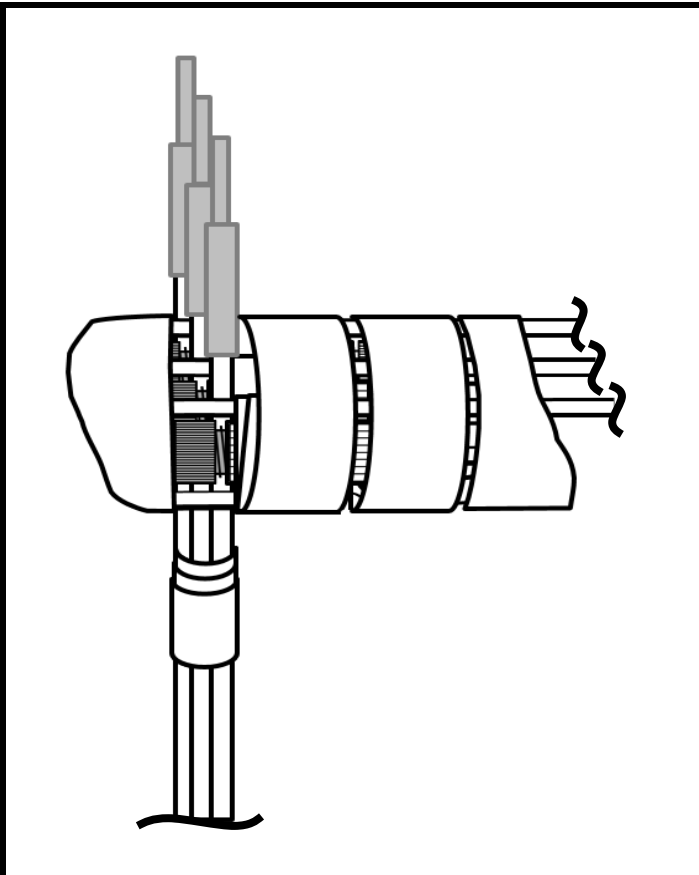


- A.11) Securing multiple Posi-Taps™ together
- a) Once tapped circuits are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE

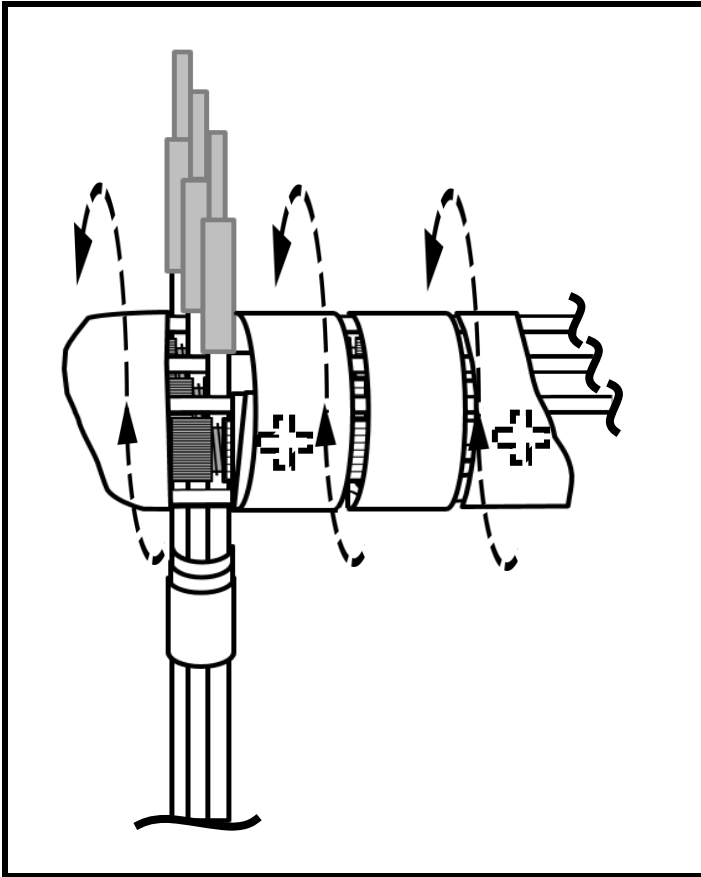


- A.12) Securing multiple Posi-Taps™ together
- a) Secure Posi-Taps™ together with electrical tape (≥ 4 revolutions).



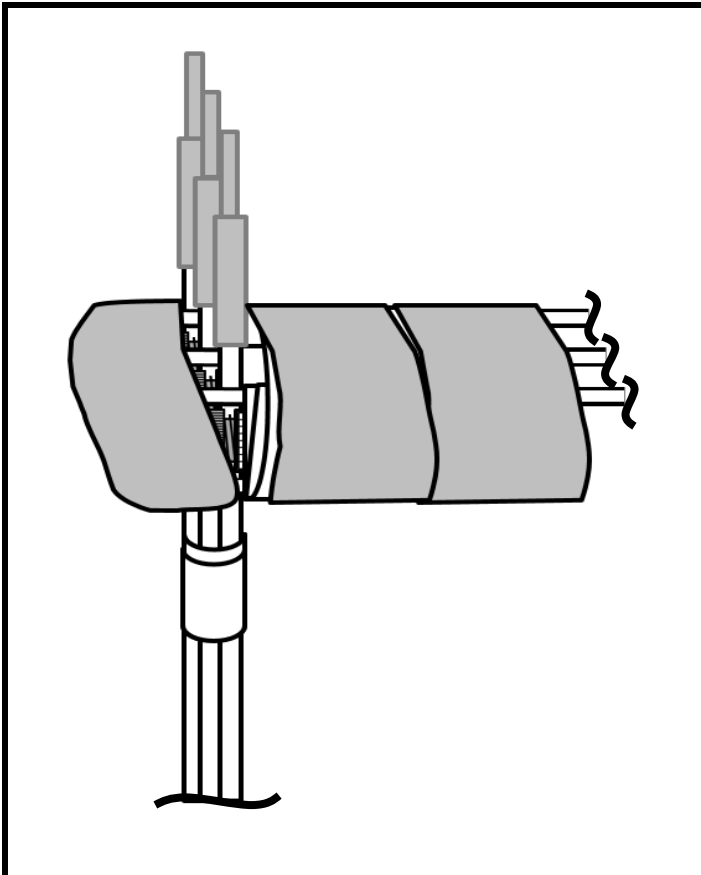
- A.13) Securing multiple Posi-Taps™ together
- a) Once Posi-Taps™ are secured together with electrical tape they should look as shown.

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 (H) to wrap pre-taped Posi-Taps™.

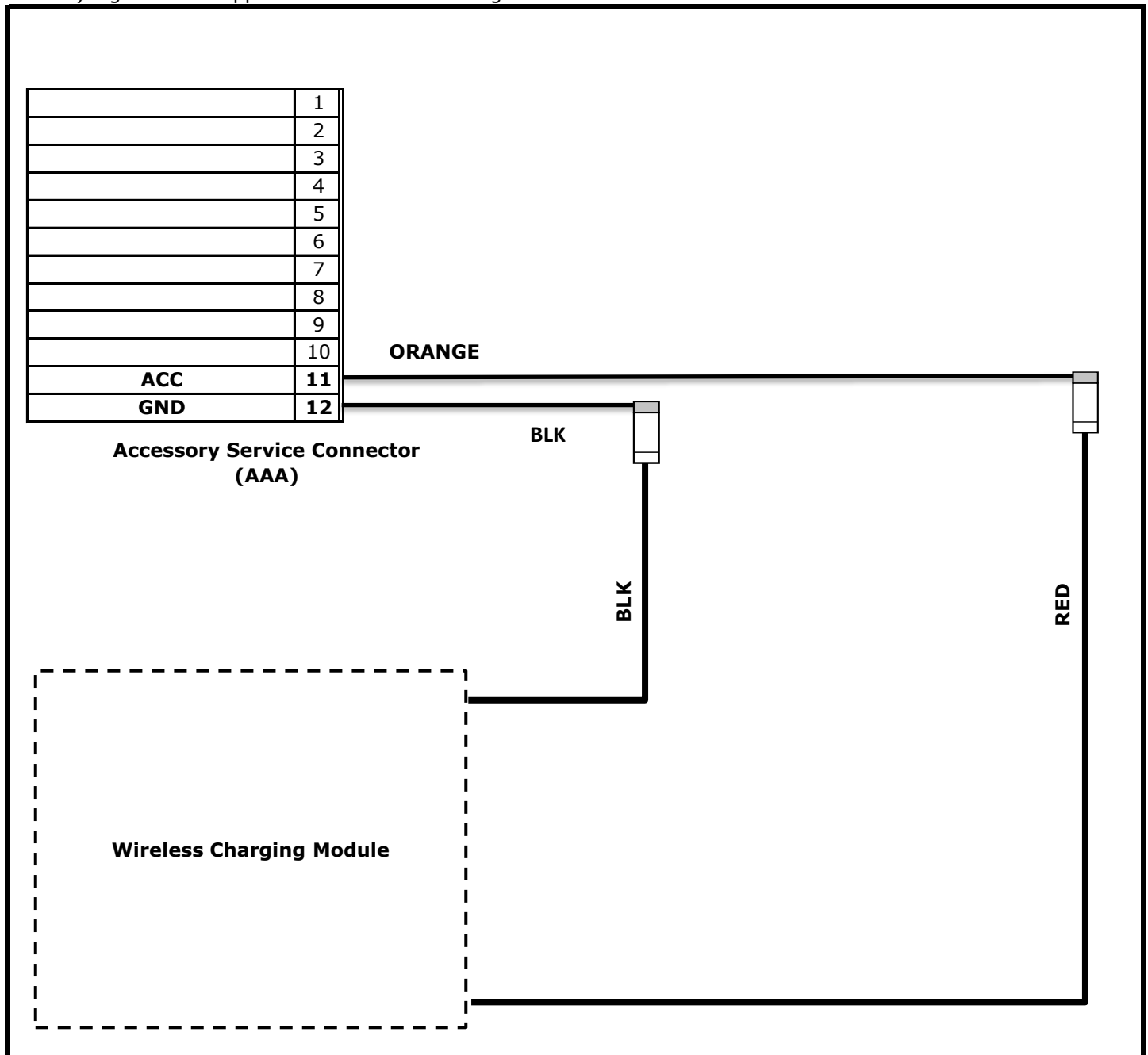
Foam Tape (X)

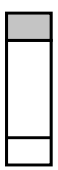

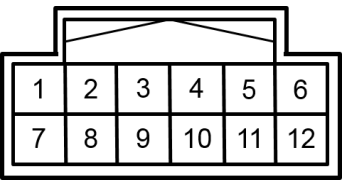


- A.15) Securing multiple Posi-Taps™ together
- a) Once wrapped with Foam Tape (X), taped Posi-Tap™ bundle should look as shown.

APPENDIX B - MECHANIZATION DRAWING

B.1) Figure below applies to the Wireless Charger connected to the RH ASC



CONNECTOR PN#	T99F6 4RA0A	LEGEND	
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR	POSI-TAP  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.	