



GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION: Wireless Charging Kit

APPLICATION: Leaf

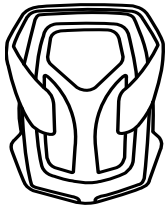
PART NUMBER(S): T99F7 5SA00

REQUIRED FOR

INSTALLATION: T99F6 4RA0A , Accessory Service Connector - not included in kit above

KIT CONTENTS: Wireless Charging Kit

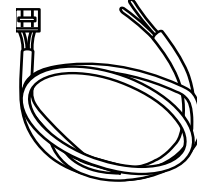
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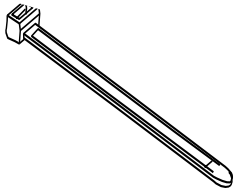
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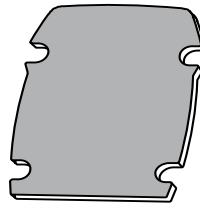
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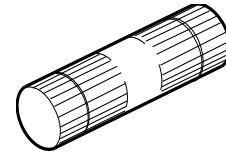
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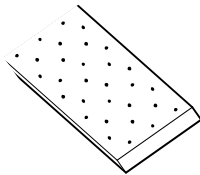
E



F



G



H



J

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: 19192-4A000 Rev. 04/15/12

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) T99F7 5SA00
REQUIRED FOR T99F6 4RA0A (Accessory Service Connector) - Not Included in kit above
INSTALLATION:

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Wireless Charging Module	Not Serviceable- Part of Kit
B	1	Installation Parts Kit	
C	1	Wire Harness W/built in fuse	
D	8	Wire tie	
E	1	Double Sided Tape	999V2 AW001
F	2	Posi-Taps	
G	11	Foam Tape	
H	1	Quick Reference Guide	
J	1	Installation Instruction Website Address	

TOOLS REQUIRED:

- 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
- Alcohol wipe 90% or greater

INSTALLATION CAUTIONS:

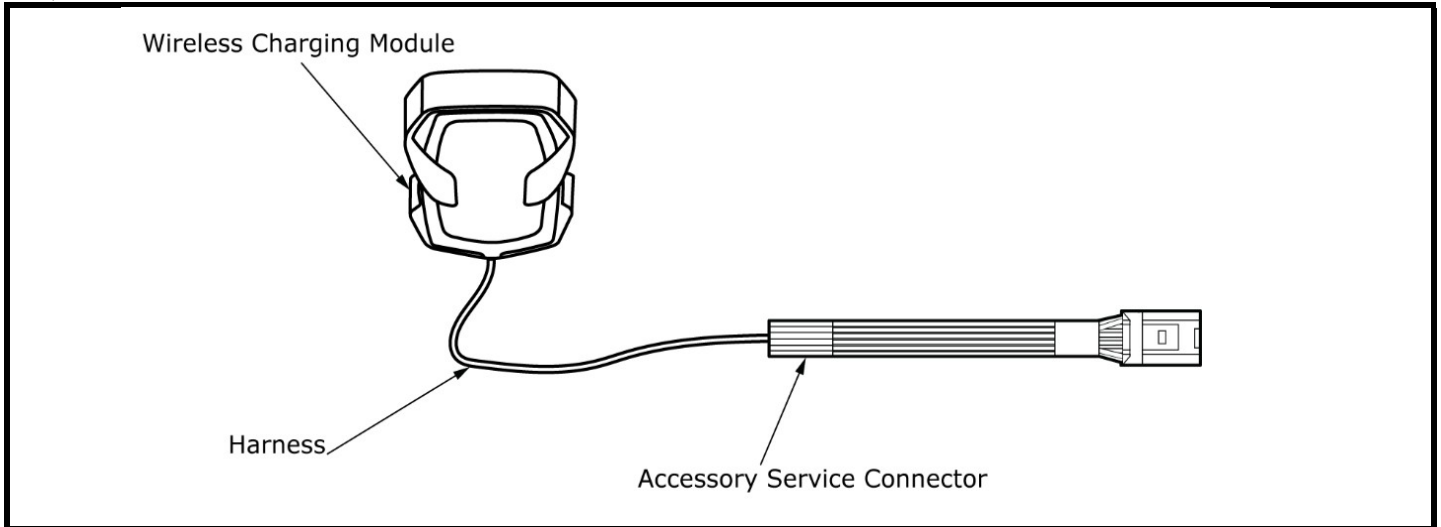


CAUTION

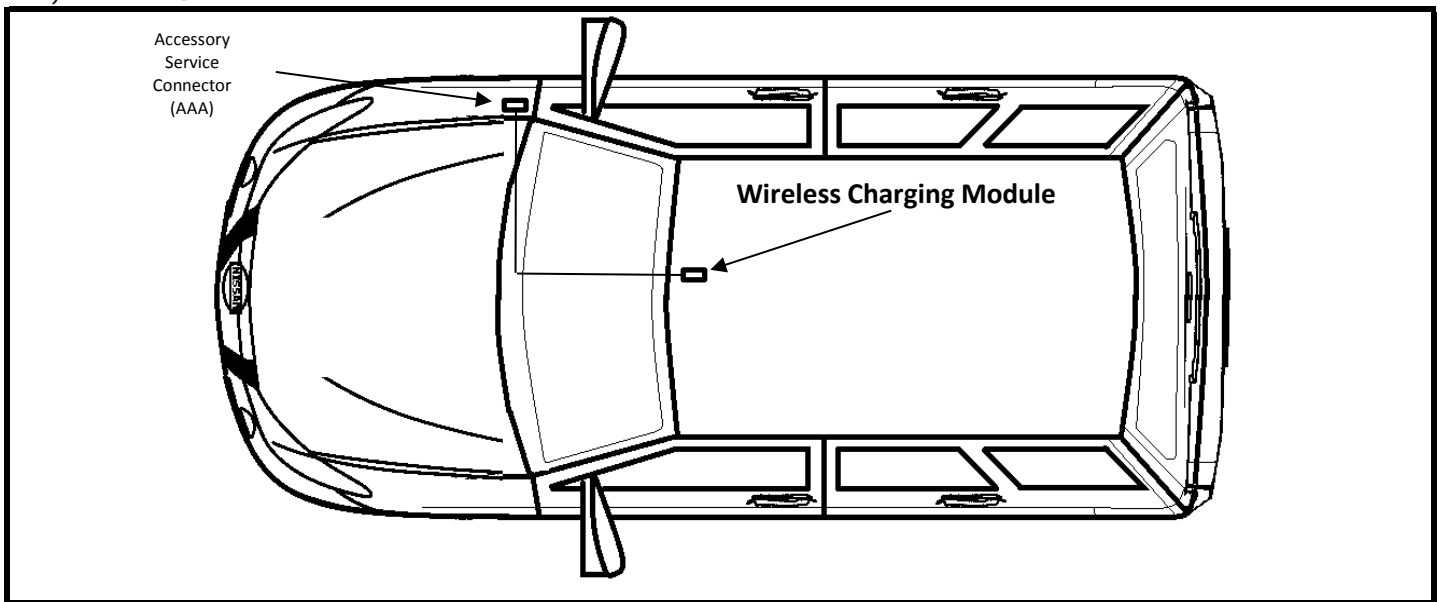
- Dealer installation recommended. Instructions may refer to Service Manual.
- Please read this instruction carefully before installing this product for correct installation.
- Please **DO NOT** use or install the part in ways other than what is described.
- Always use floor, seat and steering wheel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

SECTION 1 - OVERVIEW

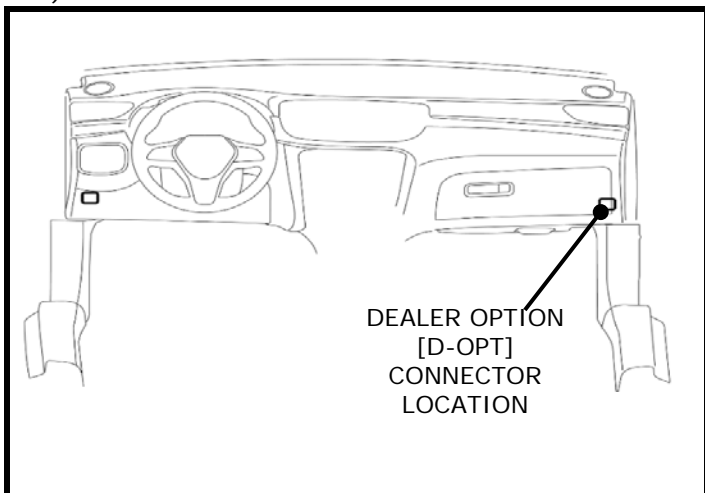
1.1) SYSTEM



1.2) VEHICLE



1.3) D-OPT CONNECTOR LOCATION

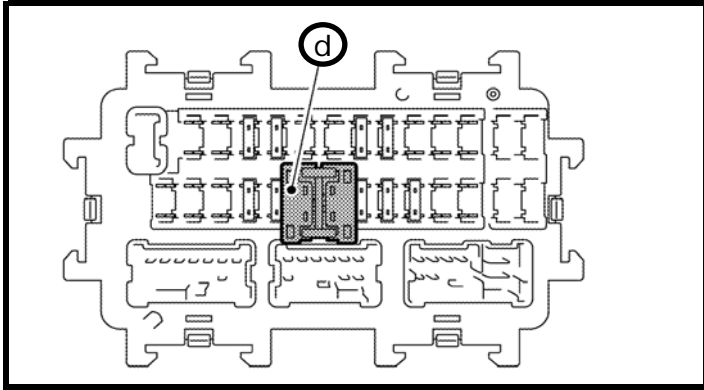




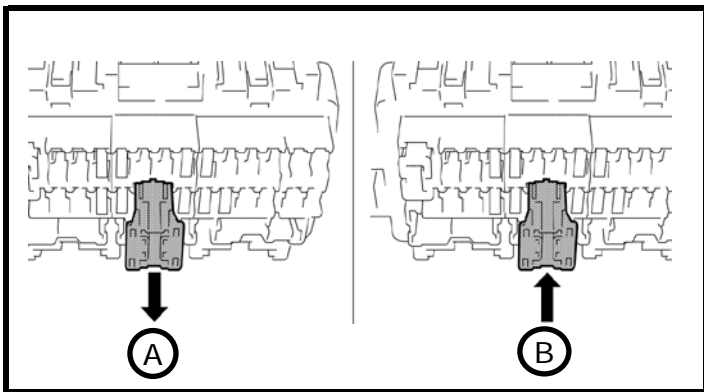
CAUTION

• 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
 - 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.

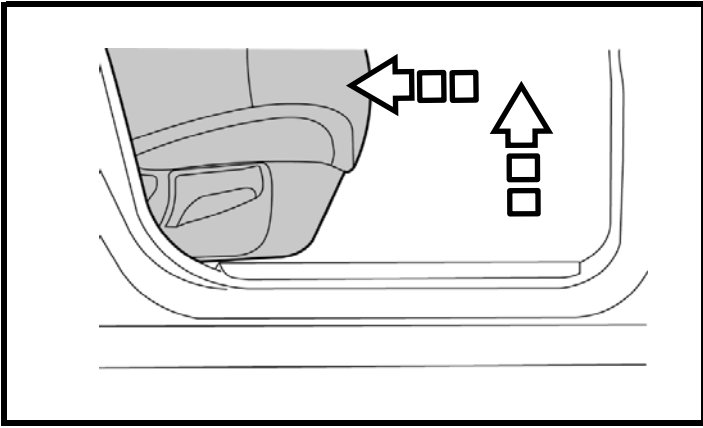
Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

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

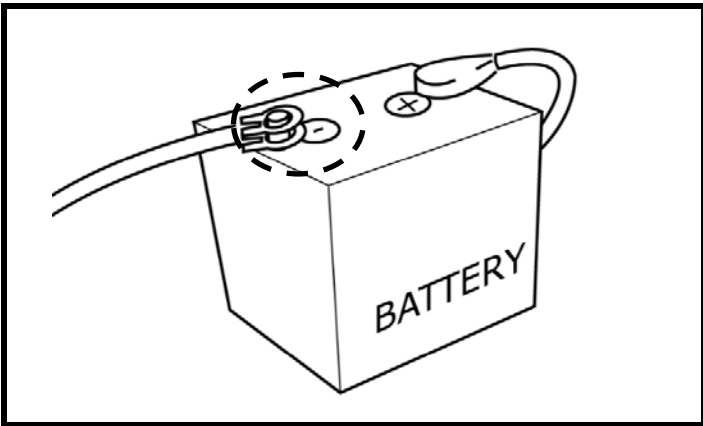
Preset	1	2	3	4	5	6	7	8	9	10

- c) Place ignition in "OFF" mode.

SECTION 2 - VEHICLE PREPARATION



- 2.4) Move RH seat
- Move front RH seat to full upward and rearward position.

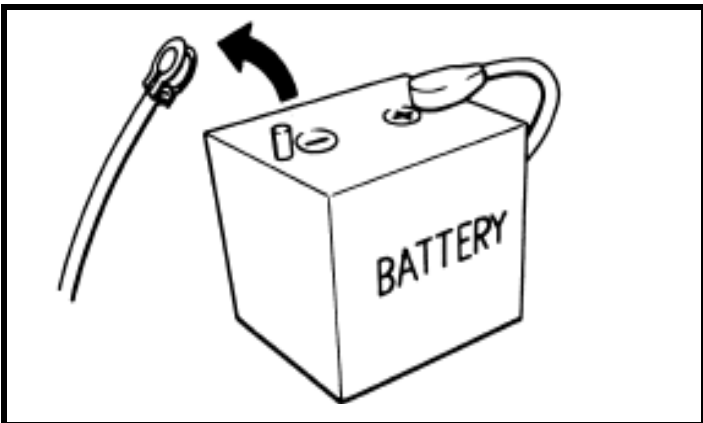


- 2.5) Disconnect battery terminal
- Locate negative battery terminal.
 - Loosen nut with 10mm socket.

Battery Terminal Nut 

 **CAUTION**

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

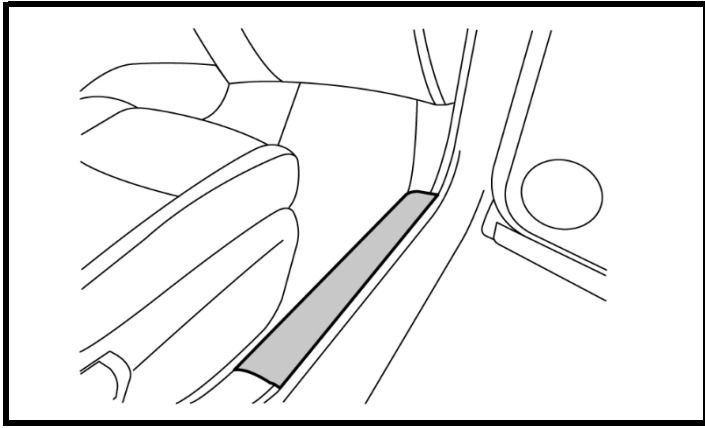


- 2.6) Disconnect battery terminal
- Lift negative battery terminal off stud.
 - Isolate negative battery terminal.

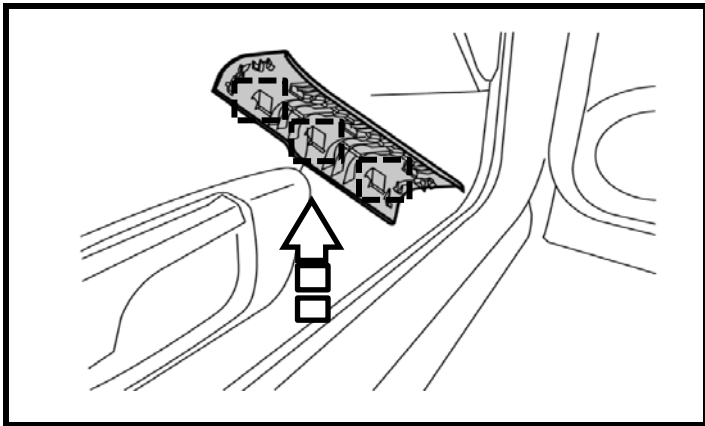
 **CAUTION**

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

SECTION 3 - TRIM REMOVAL

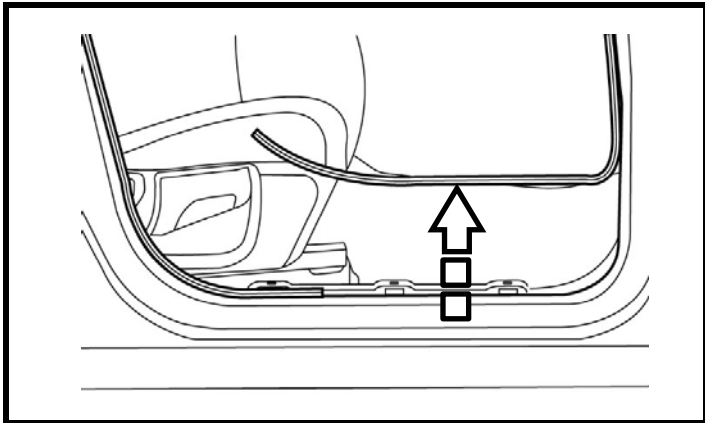


- 3.10) Remove RH trim
a) Locate RH (Passenger side) inner sill plate assembly.

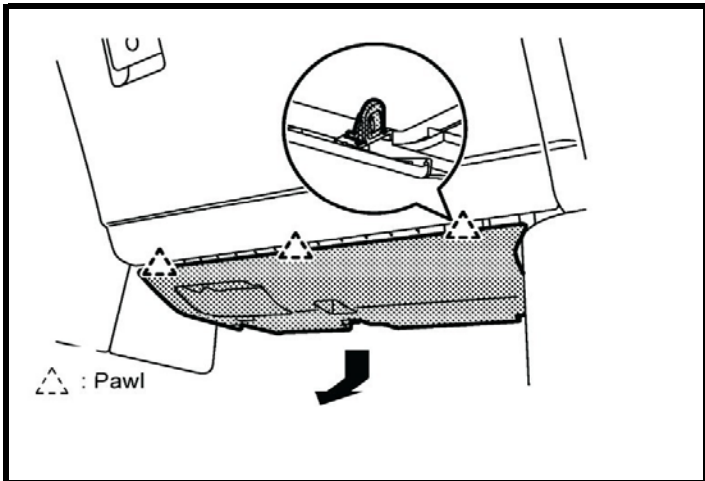


- 3.11) Remove RH trim
a) Disengage lower trim clips by pulling toward interior.
b) Lift sill plate up and out as shown.

Trim Clip

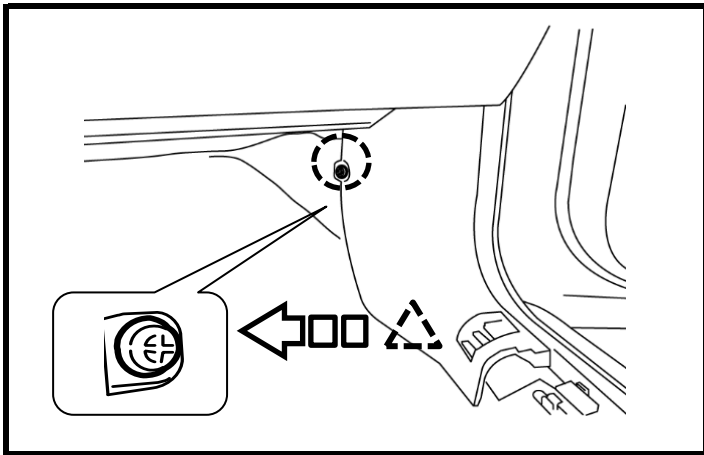


- 3.12) Remove RH trim
a) Pull up on front RH door sill weatherstrip along front bottom edge only.



- 3.13) Remove instrument lower Cover.
a) Using trim removal tool, disengage pawls.
b) Pull down instrument lower cover. Carefully disconnect lighting harness connector (if any).
c) Be careful not to damage the felt insulation (if any) under the instrument lower cover.

SECTION 3 - TRIM REMOVAL

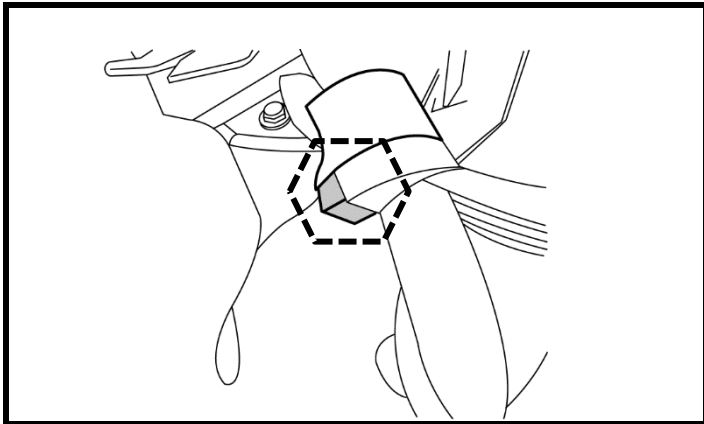


- 3.14) Remove RH trim
- Locate RH lower kick trim.
 - Remove trim fastener from lower kick trim by unscrewing with hand.
 - Disengage lower kick trim pawl by pulling toward interior of vehicle as shown.

Trim Fastener

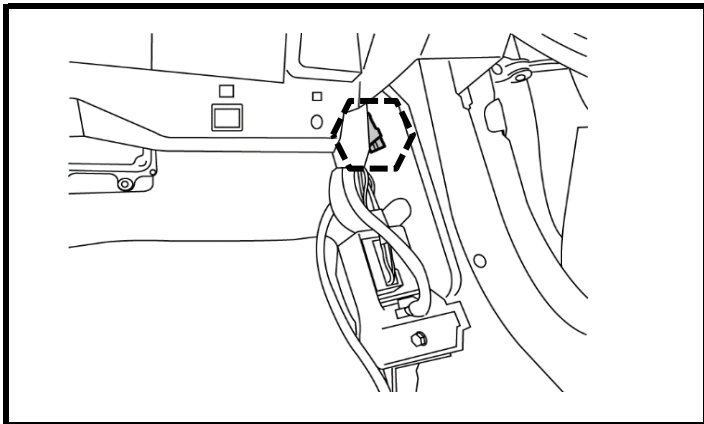


Pawl



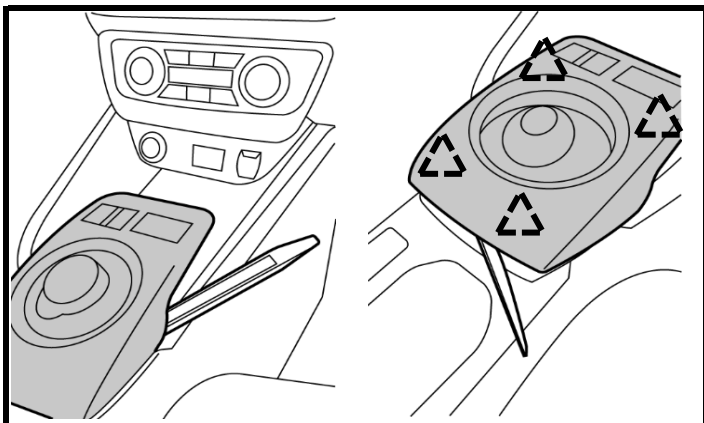
- 3.15) Locate RH D-Opt connector
- Locate Dealer-Option connector taped to main harness bundle.
 - Carefully tear or cut tape to free Dealer Option connector.

D-Opt Connector



- 3.16) Locate RH D-Opt connector
- Unfold Dealer-Option connector and let hang as shown.

D-Opt Connector

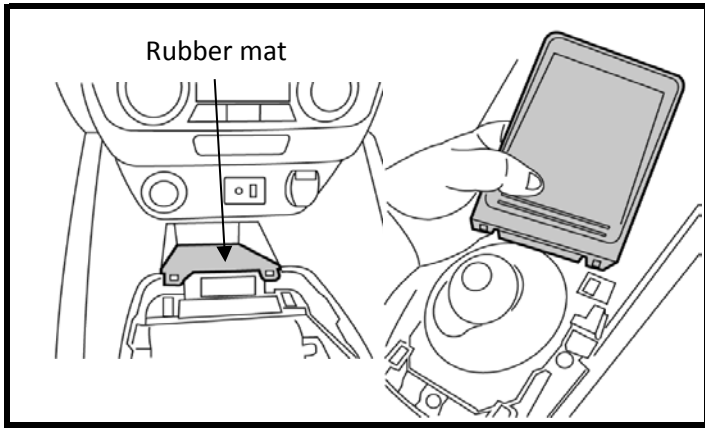


- 3.17) Remove A/T Finisher
- Using Nylon Trim stick, begin prying near right, downwards and continue along the left side until all the pawl release on A/T finisher, as shown.
 - Disconnect all connectors under A/T finisher. Set A/T finisher aside carefully.

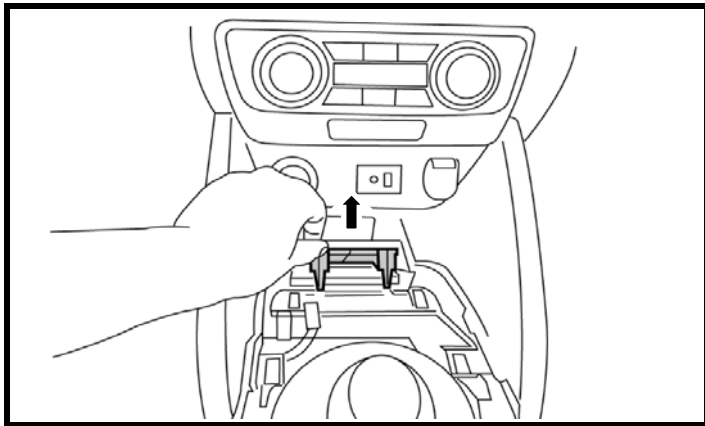
Pawl



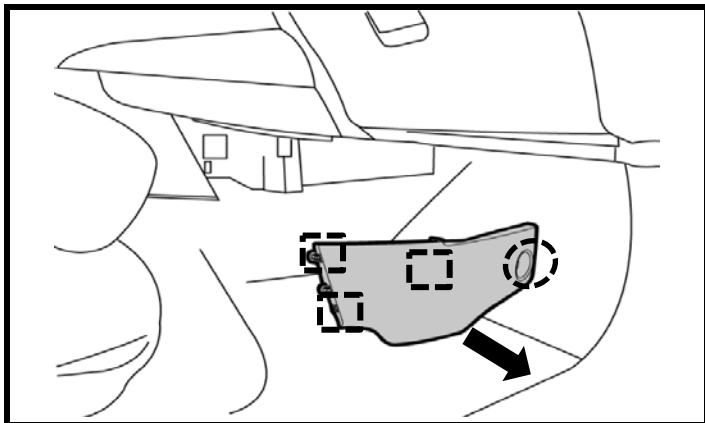
SECTION 3 - TRIM REMOVAL



- 3.18) Remove Front Bin
a) Remove rubber mat in Front bin & place in Glove box.



- 3.19) Remove Front Bin
a) Pull Plastic bin trim piece upwards to release all clips.



- 3.20) Remove instrument lower Panel.
a) Using a philip screw driver, loosen the trim fastener.

b) Carefully pry out Instrument lower panel, RH from Passenger side of center stack by hand, in direction shown.

Trim Clip

Trim Fastener



SECTION 4 - INSTALLATION PROCEDURE

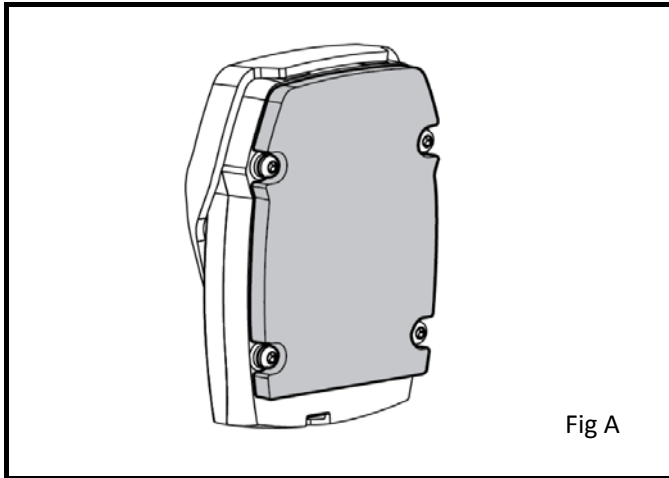


Fig A

4.1) Module Installation

- a) Clean the module with alcohol wipe, allow one minute to dry. Slowly peel off one side of foam tape cover.
- b) Place module on foam tape (Fig A). Press firmly and evenly with 5Nm force, hold for 20-25 seconds.

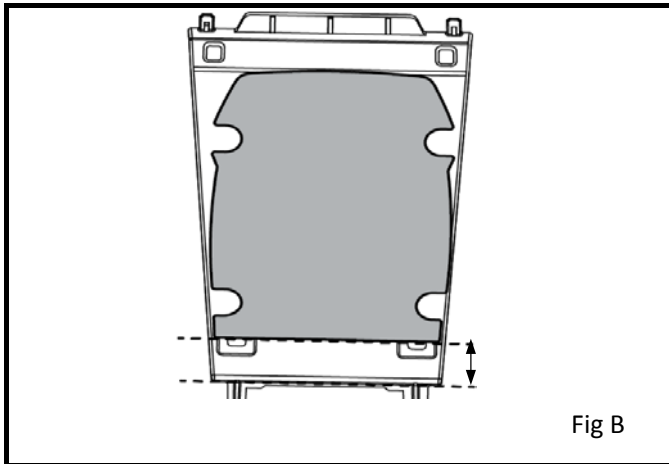
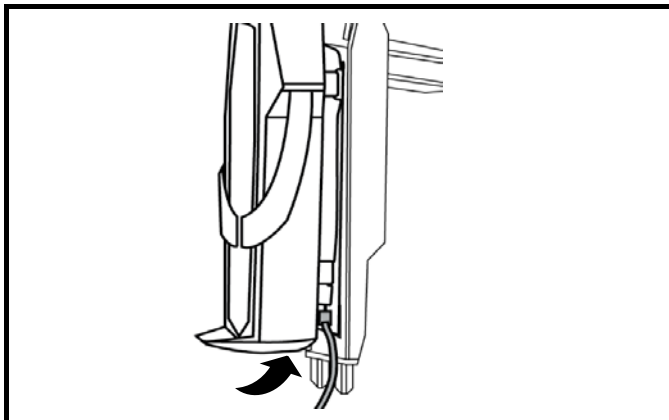


Fig B

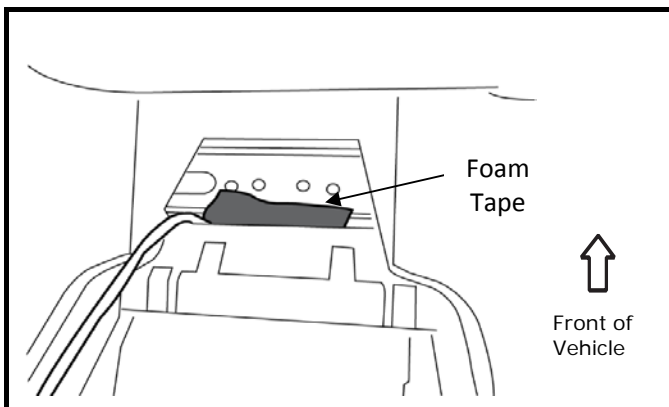
4.2) Prepping surface for mounting module

- a) Clean tape placement location on bin trim piece with alcohol wipe. Allow to dry for one minute.
- b) Remove other side of foam tape cover (Fig A) and slowly place the module on the trim piece, making sure the alignment matches perfectly to the trim (as shown in Fig B). Make sure to line up the foam tape 10 mm from the bottom.
- c) After placing the wireless charger on the trim piece, press with 5Nm force, hold for 20-25 seconds.



4.3) Module Harness routing

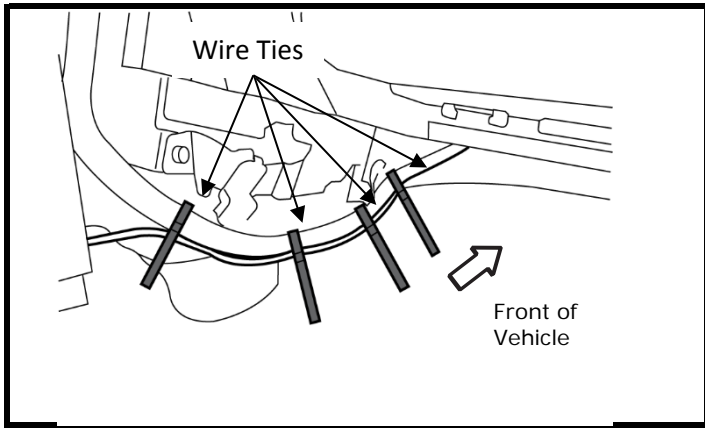
- a) Navigate the Module Harness Connector underneath the trim piece and connect to the wireless charger.



4.4) Module Harness routing

- a) Route other end of Module harness through the opening under the location where front bin trim was removed.
- b) Place one Foam tape along the edge of metal piece, as shown.

SECTION 4 - INSTALLATION PROCEDURE

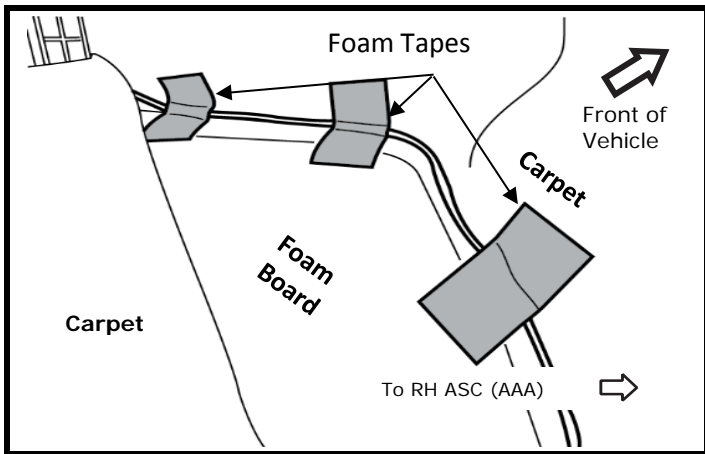


4.5) Module Harness routing

- a) Route along body harness and wire tie at 4 locations shown.

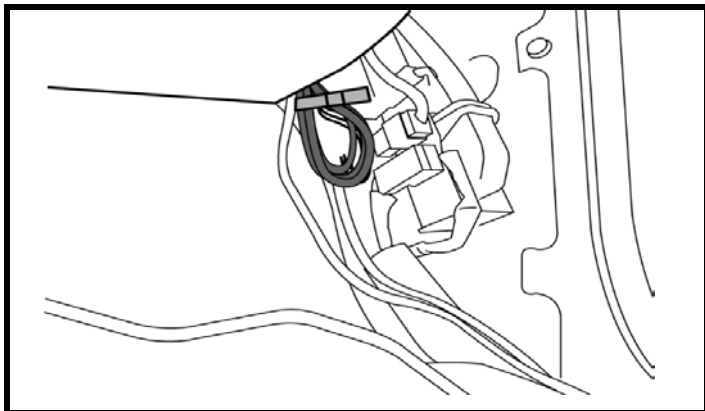
NOTE:

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



4.6) Module Harness routing

- a) Pull Passenger side carpet & route harness under the carpet, on top of the foam board and into Passenger footwell towards the ASC (AAA), as shown.
- b) Apply 3 foam tapes at the location shown.

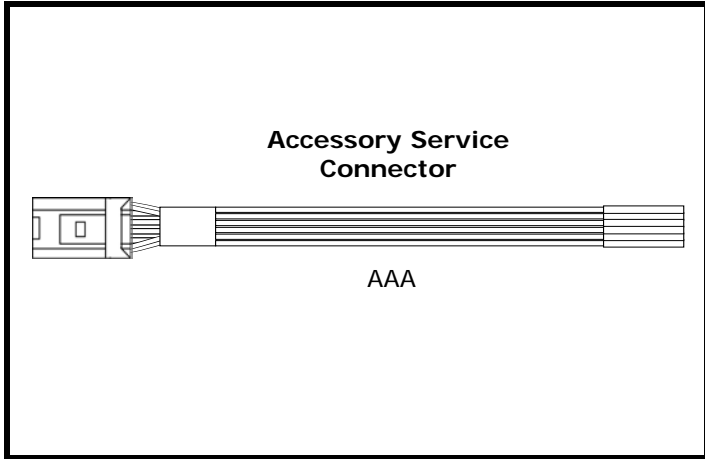


4.7) Module Harness routing

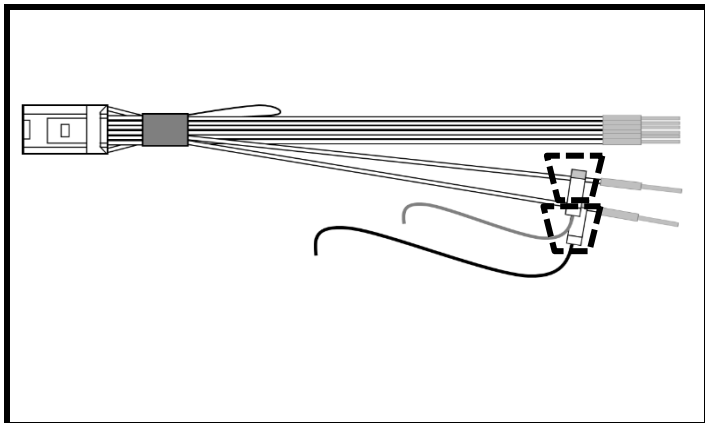
- a) Place Passenger D-OPT connector in original position prior to cutting cable tie. Cable tie positaps and extra harness to vehicle wire harness with 2 cable ties. Tighten all wire ties.
- b) Perform function check, Module installation & trim reinstallation as suggested in Section 6.

 **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.

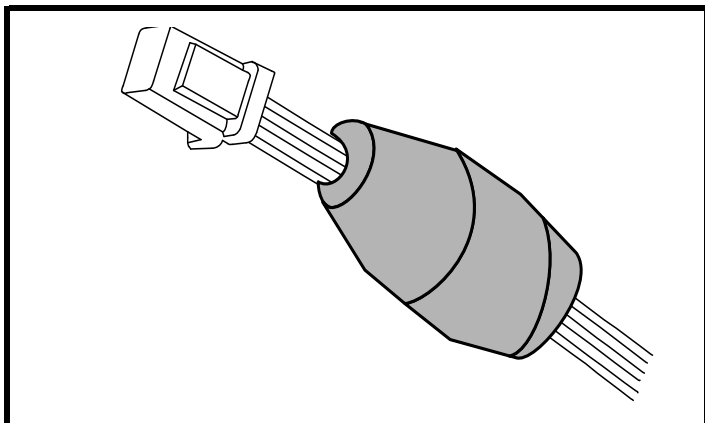


- 5.1) Connect ASC (AAA) to Wireless Charging Module,
- a) For detailed directions, see Appendix A - Posi-Tap Procedure.
 - b) Additional circuit information is in Appendix B - Mechanization Drawing.



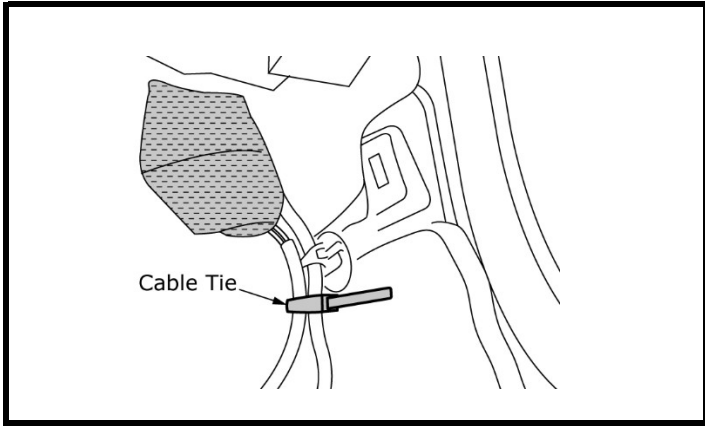
- 5.2) Connect ASC (AAA) to Wireless Charging Module, Tap accessory harness to service connector. Posi-tap GND and ACC.
- a) Tap **Black** accessory harness wire to **Black** service connector wire.
 - b) Tap **Red** accessory harness wire to **Orange** service connector wire.

Posi Tap (F)



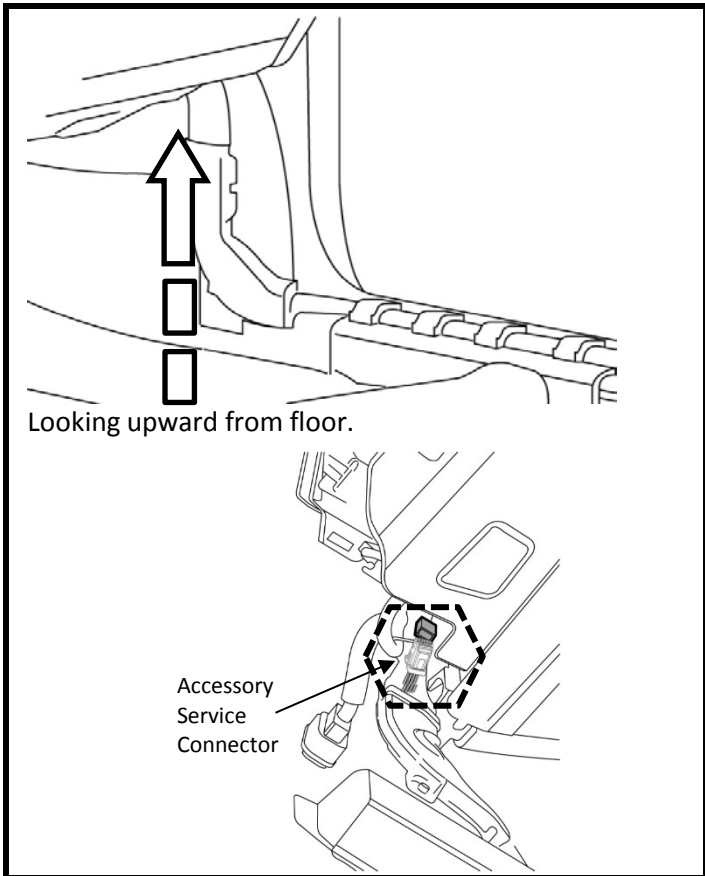
- 5.3) Connect ASC (AAA) to Wireless Charging Module,
- a) Once the ASC is prepared as described in Appendix A, the Wireless Charging Module harness with ASC attached should look like this.

SECTION 6 - INSTALL & FUNCTION CHECK



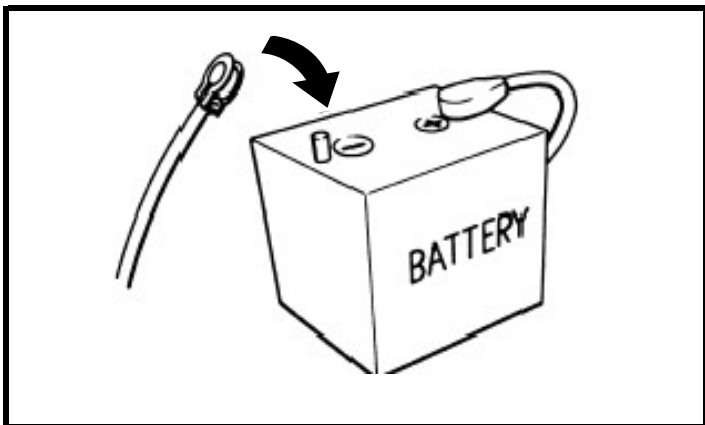
6.1) Secure bundle to existing harness near service connector.

Tighten all the cable ties. Cut off the ends.



6.2) Connect the ASC(AAA) connector to the D-OPT connector.

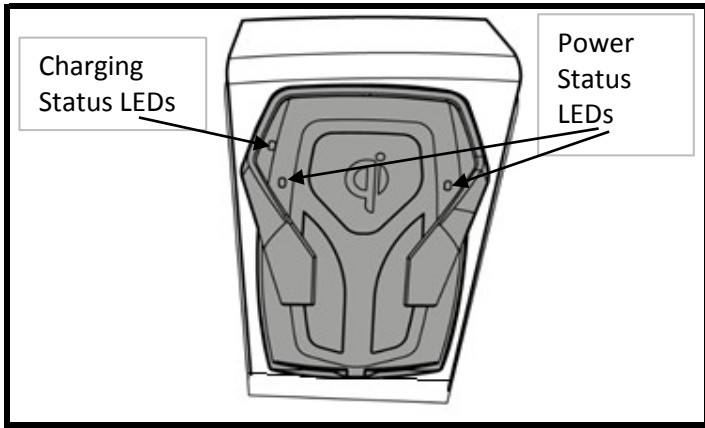
D-Opt Connector



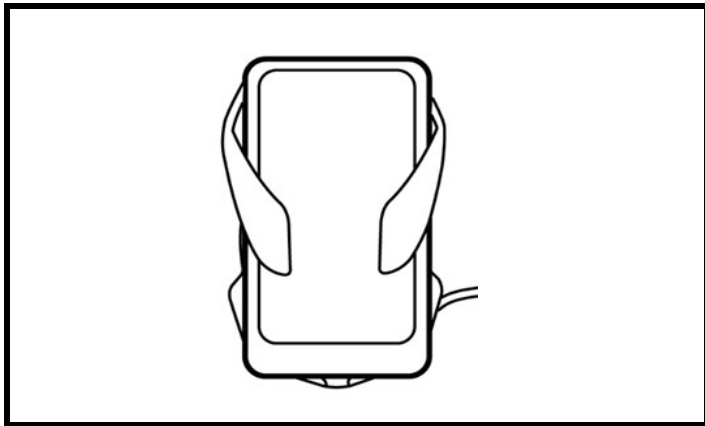
6.3) Electrical function check

a) Re-connect negative battery cable.

SECTION 6 - INSTALL & FUNCTION CHECK



- 6.4) Electrical function check
- Turn on ignition.
 - The two white LEDs should illuminate.
 - Charging status LED will flash red for one second.



- 6.5) Electrical function check (Continued)
- Optional: If a 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.
 - If the customer's phone is not compatible with the "Qi Specification" a simple Google search for "Qi Charging adapters" will provide the customer with a host of on-line adapter suppliers.

- 6.6) Electrical function check
- If NG, check fusing, harness routing, and connections, 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 - INSTALL & FUNCTION CHECK

- 6.7) Replace trim
- a) Re-install interior trim that was removed in Section 3 - Vehicle Preparation.



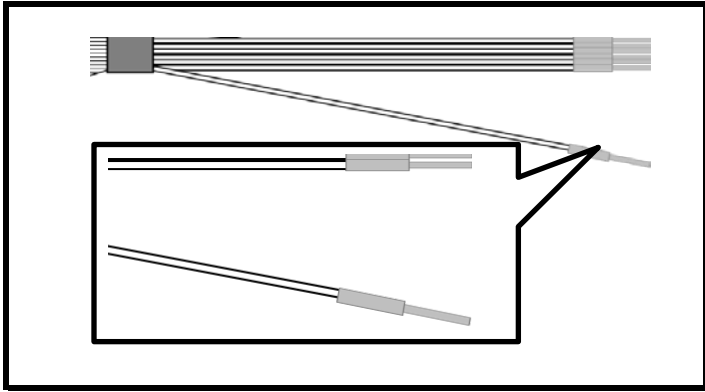
CAUTION

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.

- 6.8) Complete checklist:

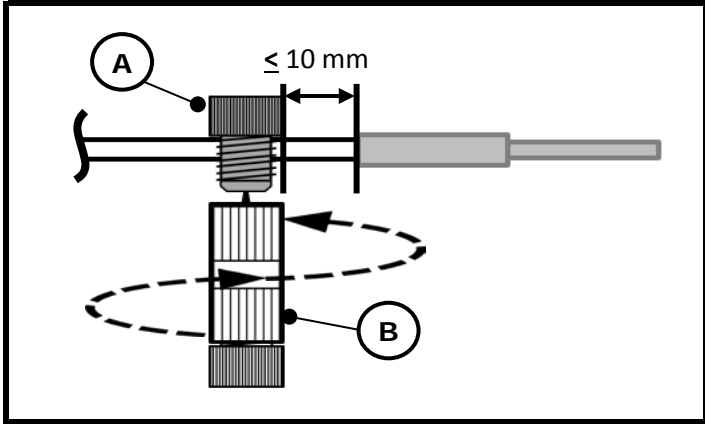
- Tighten battery terminal nut to 5.4 N-m.
- Verify re-installed trim parts for proper fit (no gap, waviness, etc.), particularly the door sill weather strip.
- Verify all windows and sunroof (if equipped), one touch operation and perform the reset procedure if necessary. Refer to the vehicle Service 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)

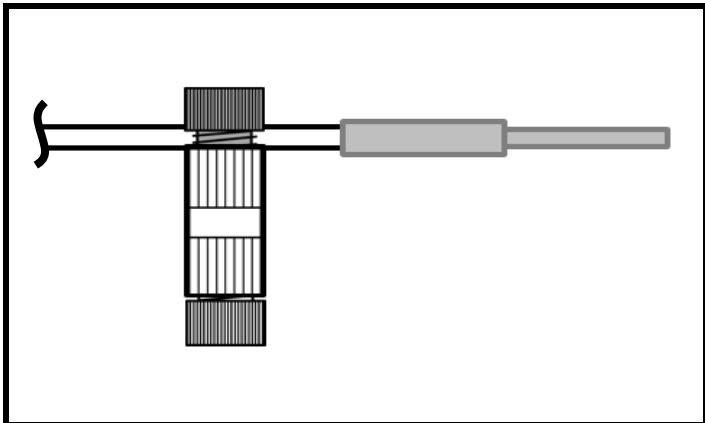
- a) Identify and confirm ASC wire to be tapped. Check color as well as connector location.
- b) Separate wire from rest of bundle.



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

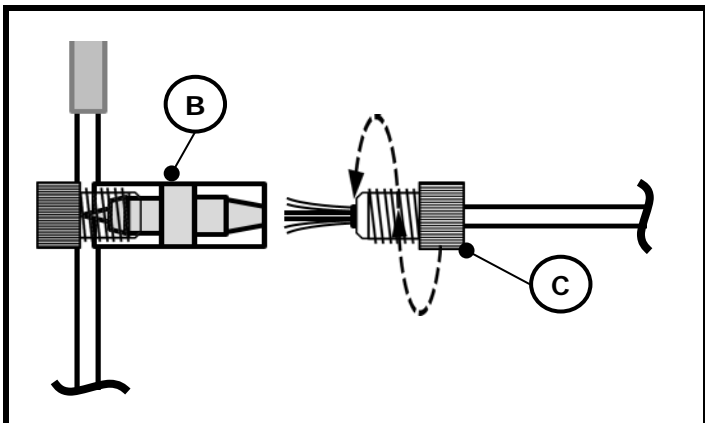
- a) Remove pierce cap (A) gray side from tap body (B).
- b) Slide cap around single wire to be tapped.
- c) Position cap ≤ 10 mm away from heat shrink end of connector.
- d) Turn tap (B) clockwise until finger "tight". Then secure to cap (A) with another $\frac{1}{4}$ turn.

CAUTION
Do not overtighten Posi-Tap, it may damage wire



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

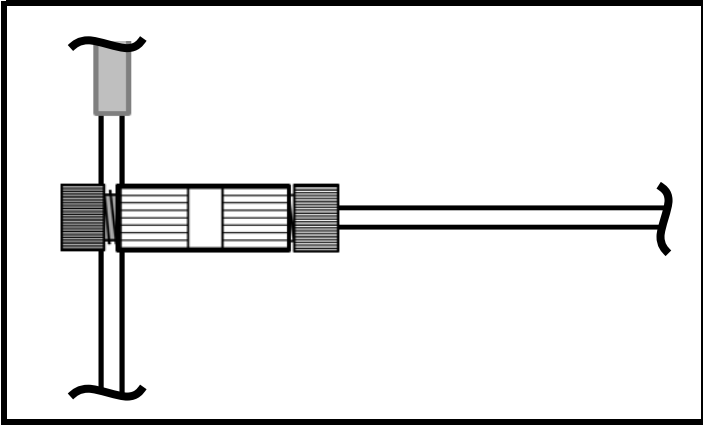
- a) Inspect Posi-Tap™ to ensure correct installation.
- b) Wire jacket should be crushed enough to maintain pressure.
- c) Confirm tap cap gap is straight and evenly spaced around perimeter.



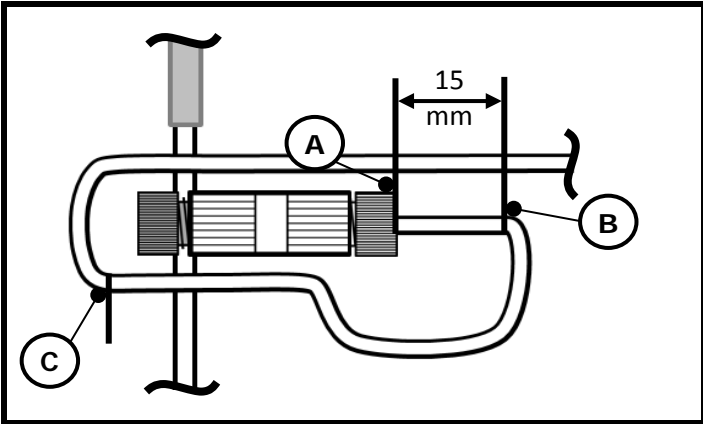
A.4) Installing Accessory wire into Posi-Tap™

- 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.

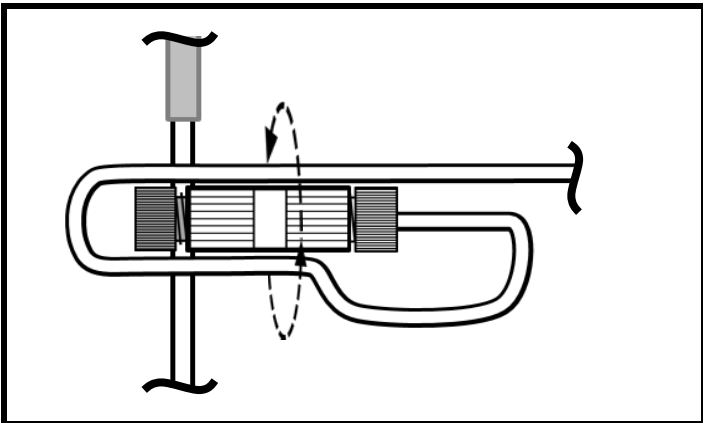
APPENDIX A - POSI-TAP PROCEDURE



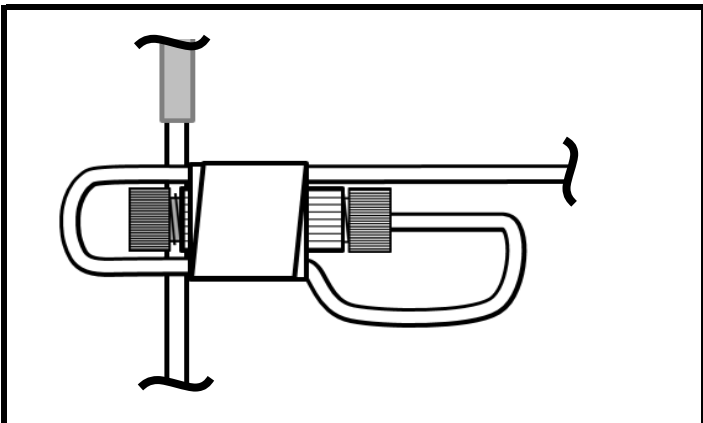
- A.5) Installing accessory wire into Posi-Tap™
- Confirm tap bottom gap is straight and evenly spaced around perimeter.
 - Gently pull on wire to confirm secure connection.



- 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).



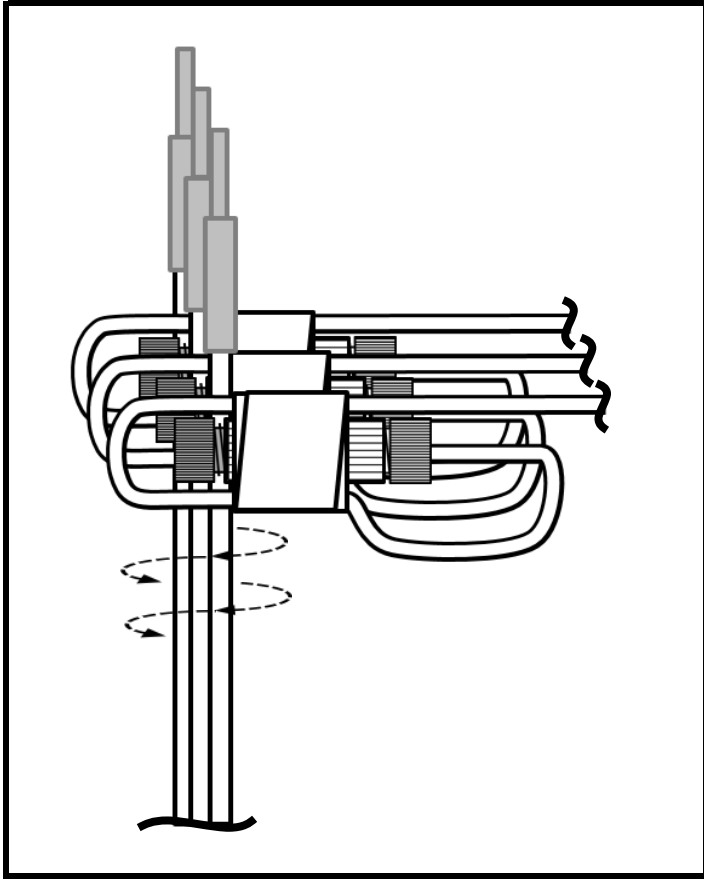
- A.7) Accessory wire strain relief
- Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).



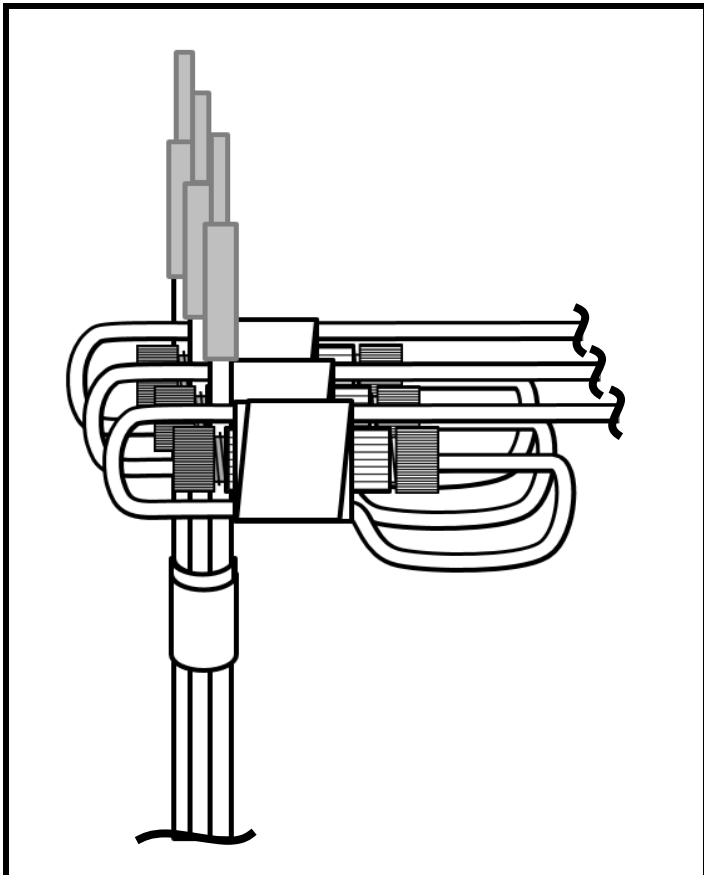
- A.8) Accessory wire strain relief
- Once accessory wire strain relief is taped to tap body, it should look as shown.

- 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

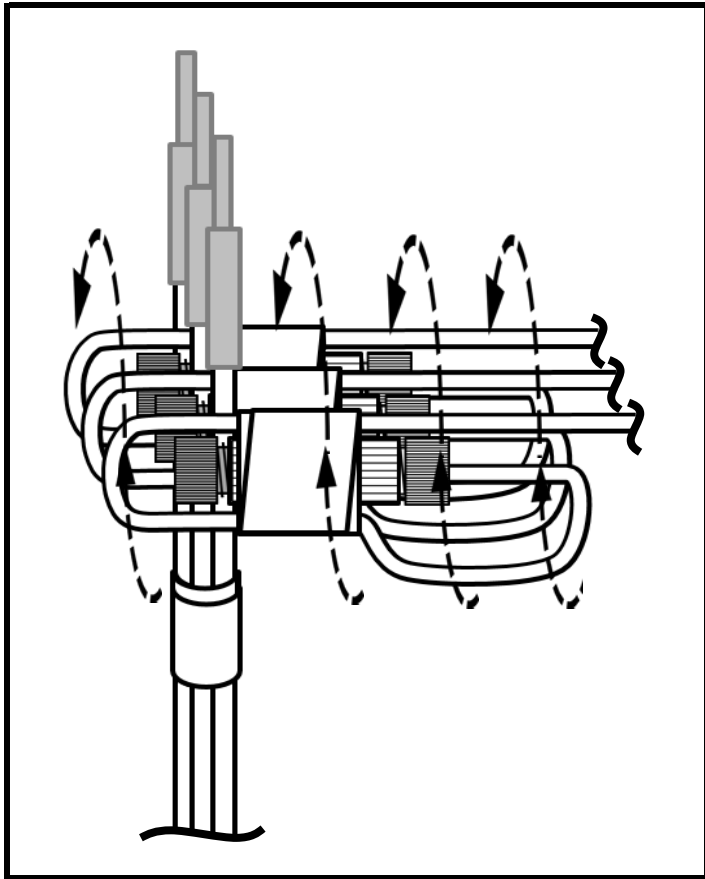


- A.10) Securing multiple Posi-Taps™ together
- a) Stack Posi-Taps™ in slightly staggered fashion as shown.
 - b) Secure tapped circuits together with electrical tape (≥ 2 revolutions).

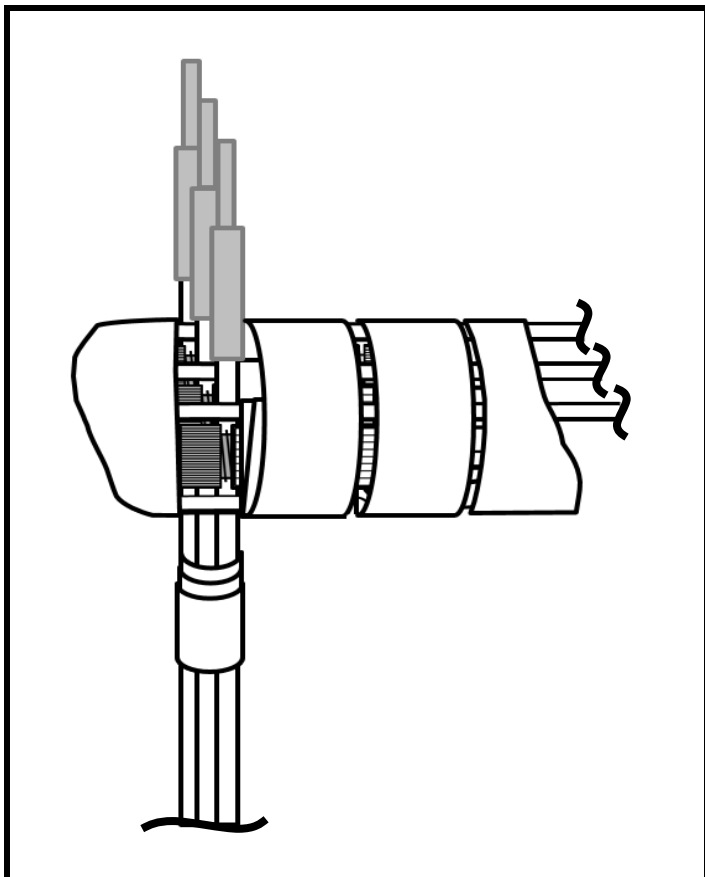


- A.11) Securing multiple Posi-Taps™ together
- a) Once tapped circuits are secured together with electrical tape they should look as shown.

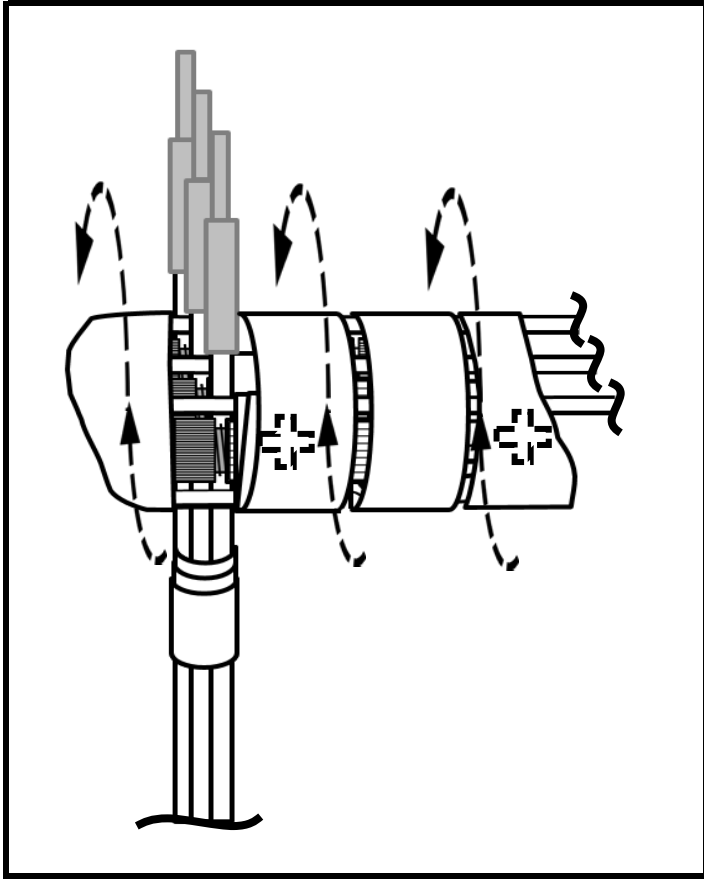
APPENDIX A - POSI-TAP PROCEDURE



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

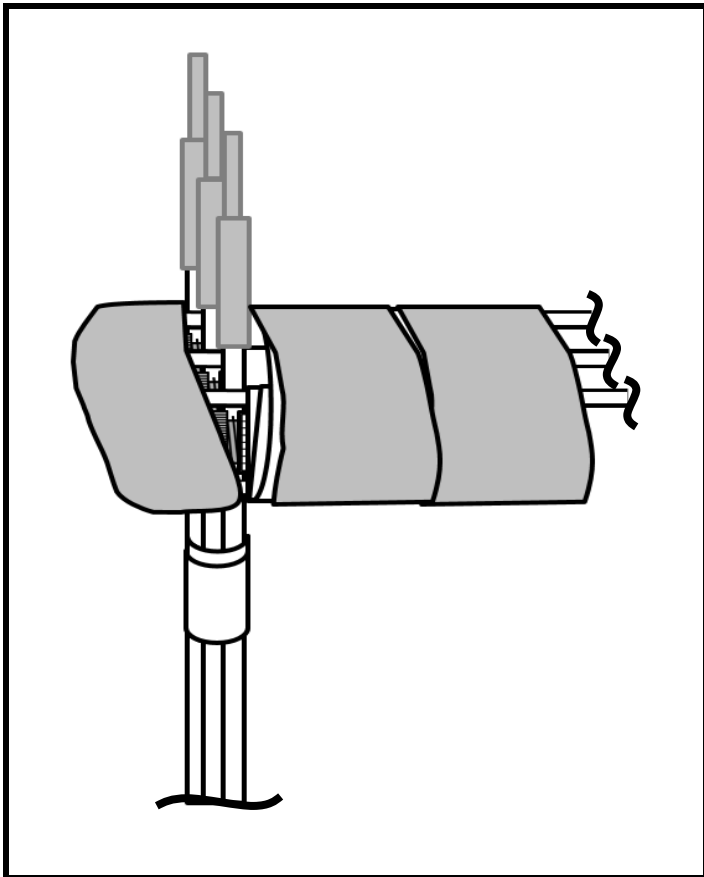


- A.13) Securing multiple Posi-Taps™ together
a) Once Posi-Taps™ are secured together with electrical tape they should look as shown.



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

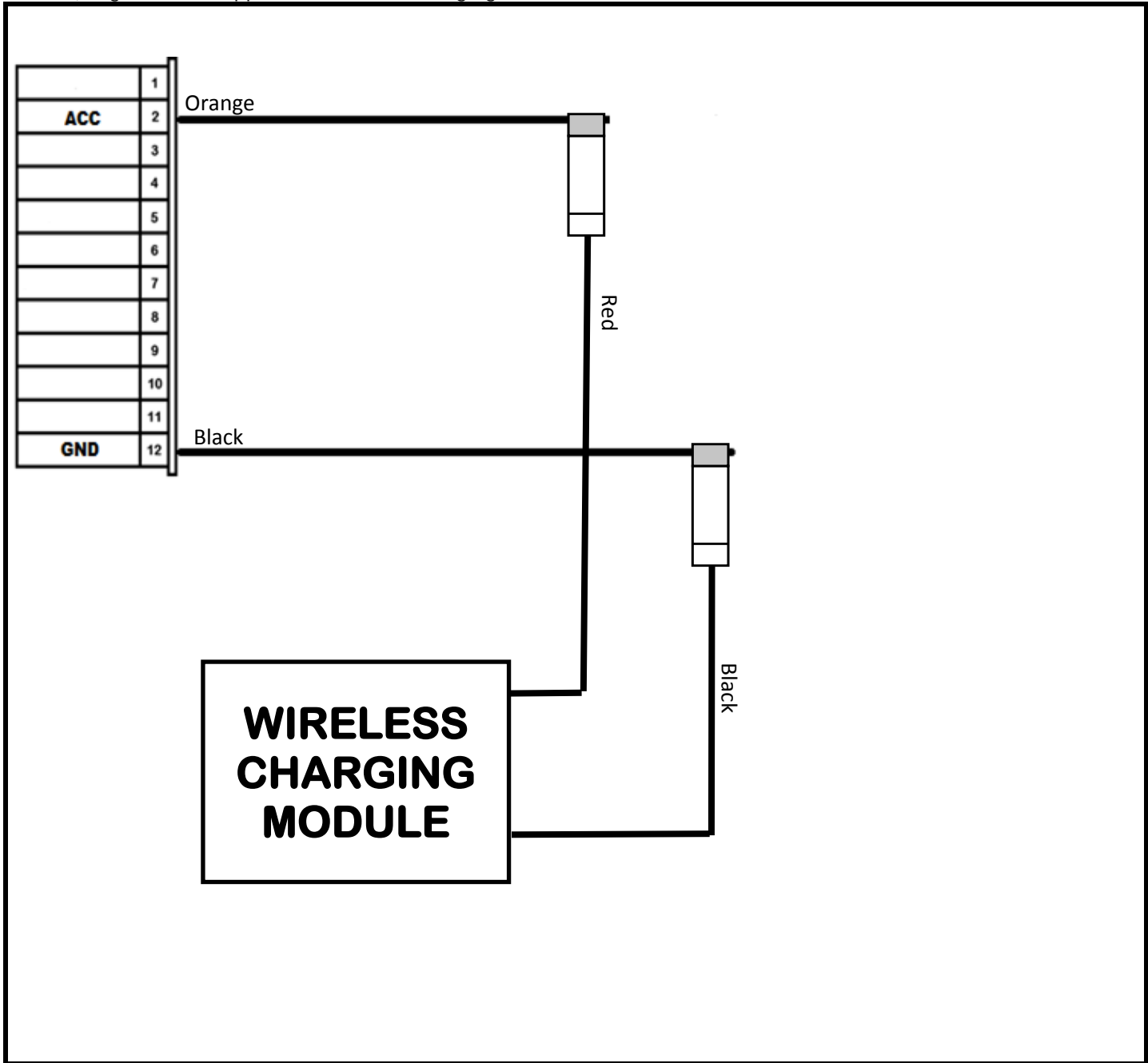
Foam Tape



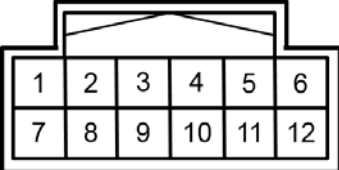


- A.15) Securing multiple Posi-Taps™ together
a) Once wrapped with Foam Tape, taped Posi-Tap™ bundle should look as shown.

APPENDIX B - MECHANIZATION DRAWING

B.1) Figure below applies to Wireless Charging Module



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