GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION:	**WiFi**
APPLICATION:	**Rogue Sport**
PART NUMBER(S)	**T99Q8 4RA0A**
REQUIRED FOR INSTALLATION:	**999Q9 AY001 , Accessory Service Connector - not included in kit above**

KIT CONTENTS:

A
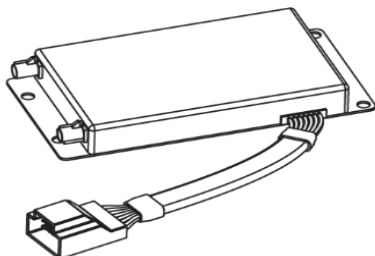
B
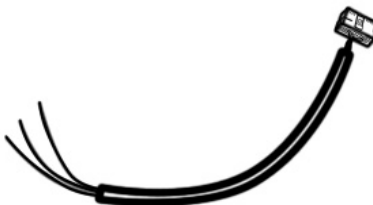
C

D
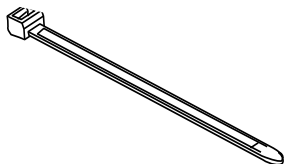
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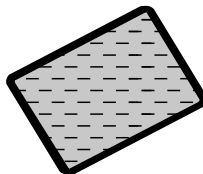
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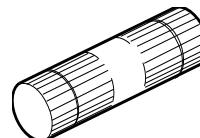
G

H

J

K
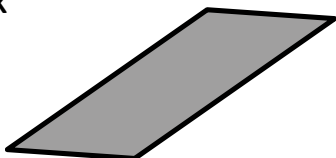
L
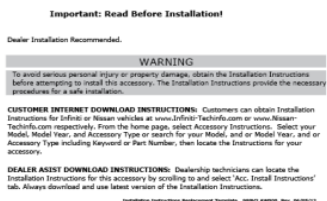
ADDITIONAL SERVICE PARTS NOT INCLUDED IN KIT ABOVE :

Item	Qty.	Part Description	Service Part Number
AAA	1	Accessory Service Connector	999Q9-AY001

AAA

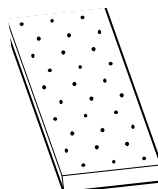| PART NUMBER(S)	T99Q8 4RA0A
REQUIRED FOR INSTALLATION:	999Q9 AY001 (Accessory Service Connector) - Not Included in Accent Lighting Kit

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	WiFi TCU Module	
B	1	Wire Harness	
C	1	Activation Card	Not Serviceable-
D	8	10" Cable Ties	Part of Kit
E	8	Foam Tape 1" x 3.5"	T99Q8 4RA0A
F	3	Posi-Taps	
G	2	Alcohol wipe	
H	1	Two Sided Foam Tape	
J	1	Glove Box Brochure	
K	5	Pet clear Tape 1" x 4"	
L	1	II Replacement Template	999V2 AW000

TOOLS REQUIRED:

- Trim Removal Tool, Nylon
- #2 Philips Screwdriver
- 10mm Socket
- Ratchet
- Flashlight
- Wire Cutter

INSTALLATION CAUTIONS:
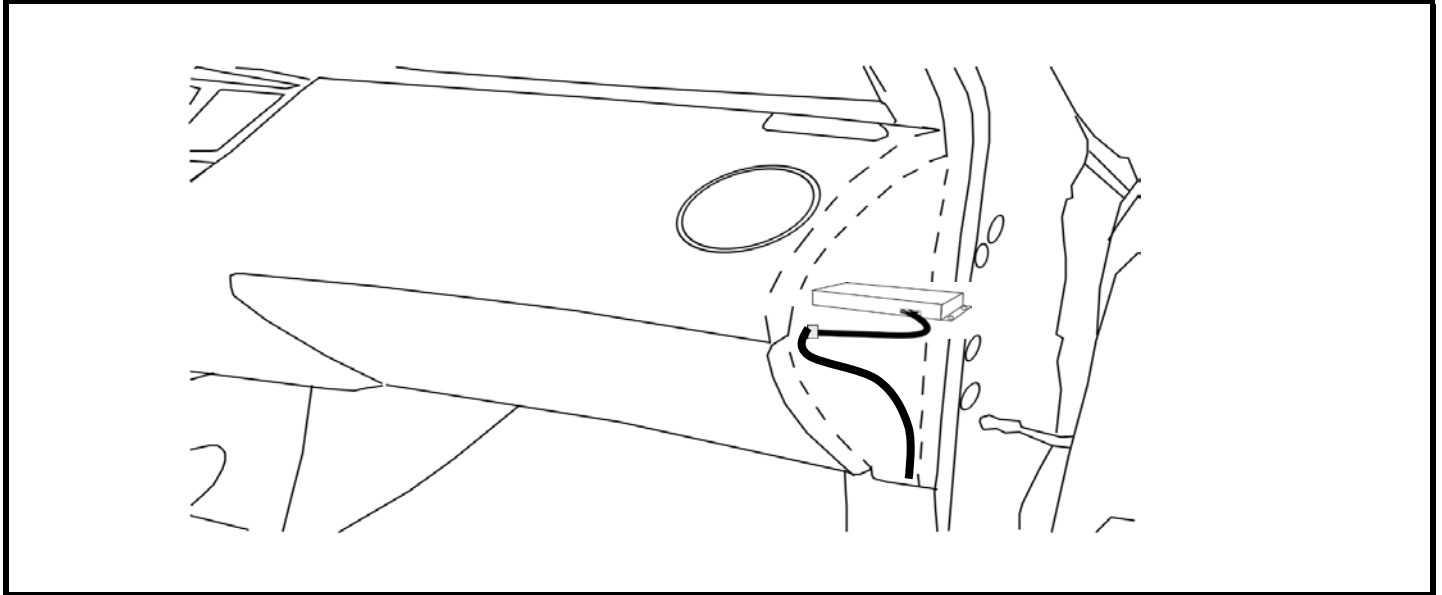
⚠ CAUTION

- **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.**
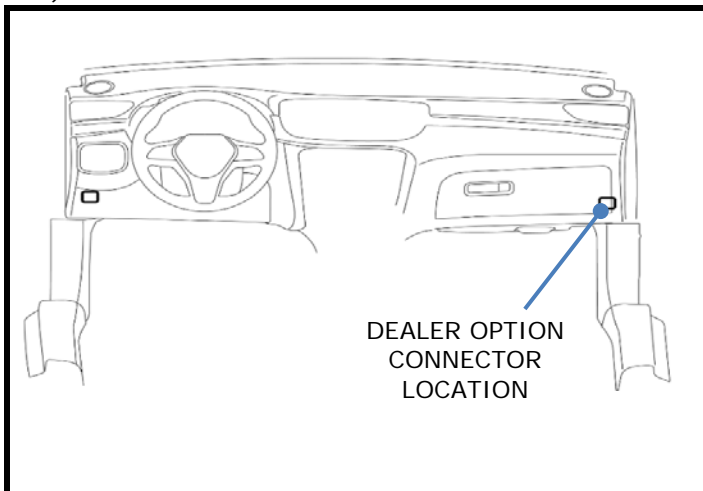
SECTION 1 - OVERVIEW

1.1)   SYSTEM

WIFI TCU MODULE

WIFI HARNESS

Accessory Service Connector
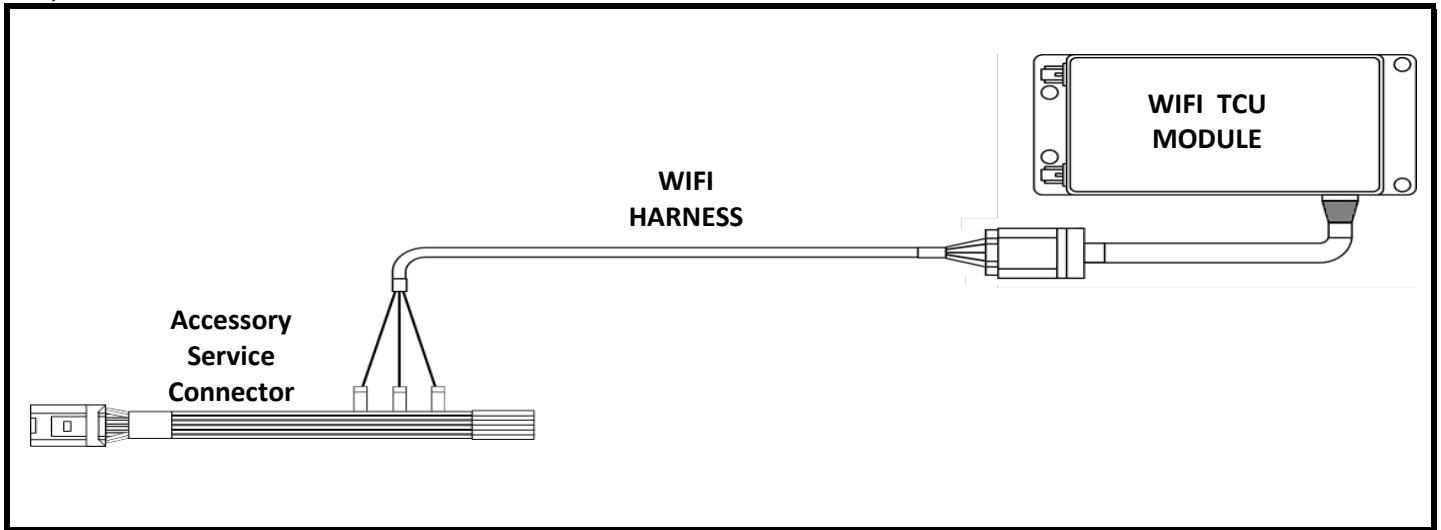
1.2)   VEHICLE
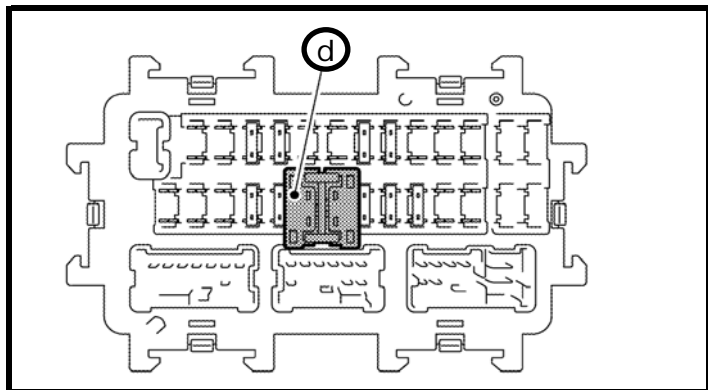

1.3)   D-OPT CONNECTOR LOCATION

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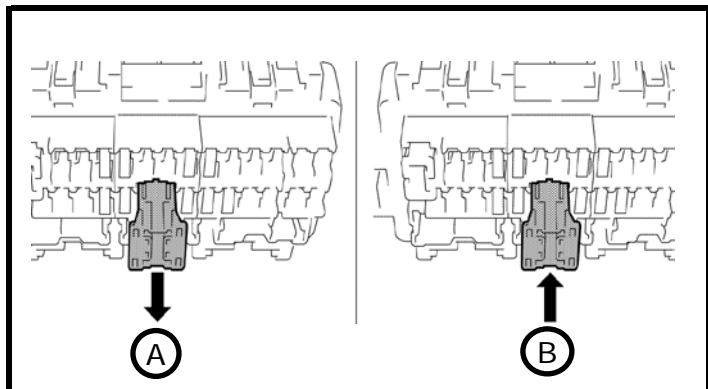
2.2) Changing ESS Position
- a) To disengage Customer Mode, pull out in **A** direction as shown.
- b) To engage Customer Mode, press in **B** direction as shown.

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.
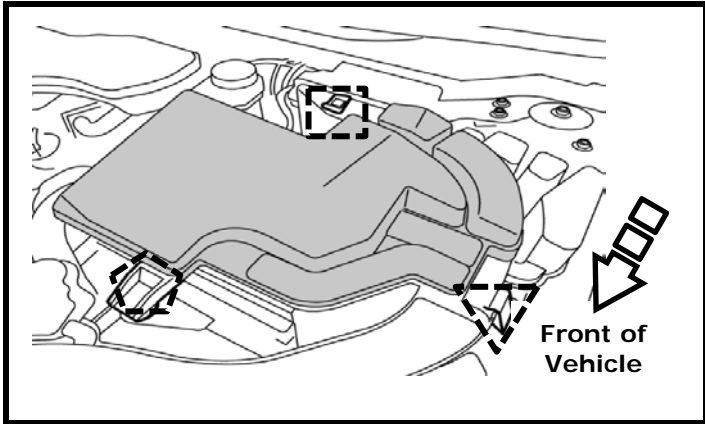- b) Record the customer radio presets and other presets as required.

Preset	1	2	3	4	5	6	7	8	9	10

c) Place ignition in "OFF" mode.
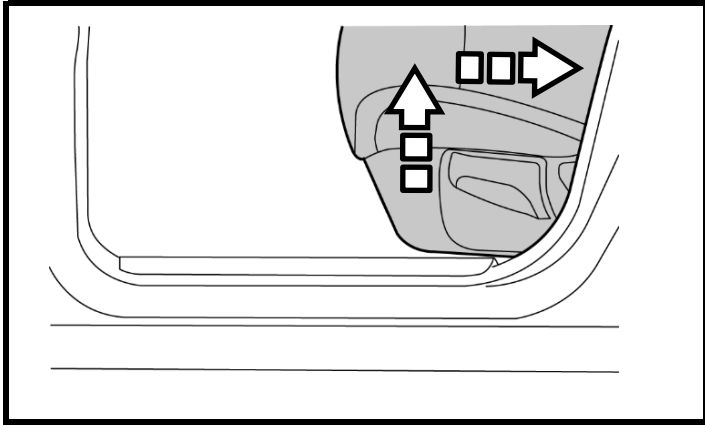
2.4) Move seat.
    a) Move Passenger side front seat to full upward and rearward position.

2.5) Remove air box assembly
    a) Open vehicle hood.
    b) Locate three (3) retainers for air box.
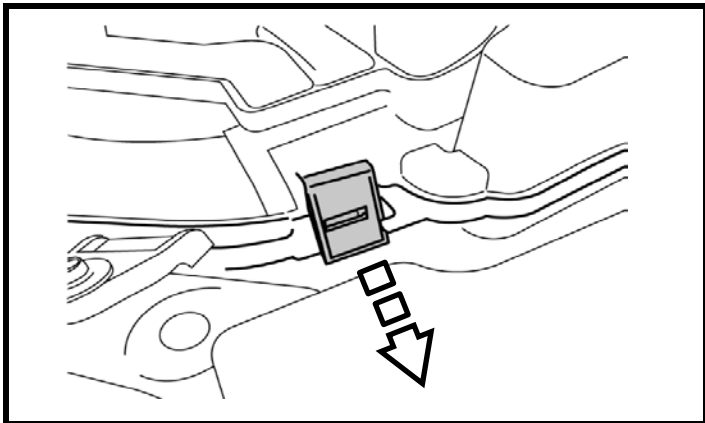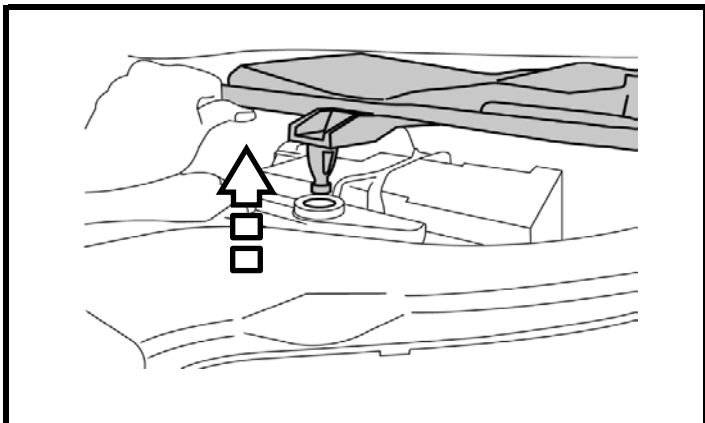
        Clip 1

        Clip 2

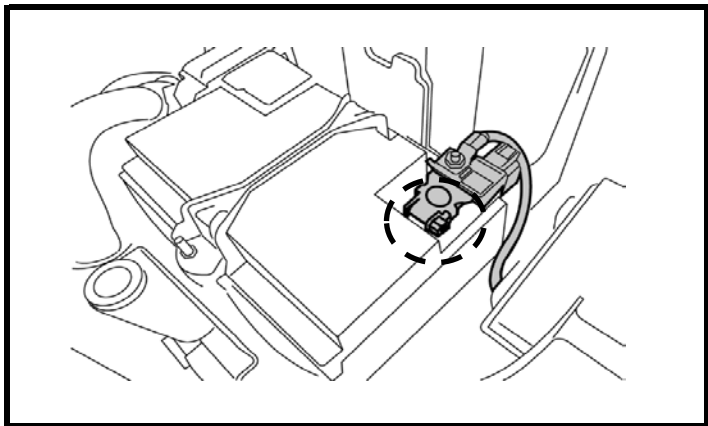   **Ball Mount Stud**

Front of Vehicle

2.6) Remove air box assembly
    a) Gently pull Clip 2 outward to release tab as shown.

2.7) Remove air box assembly
    a) Lift ball stud out of socket as shown.
    b) Remove airbox assembly, place in safe area until re-installation.
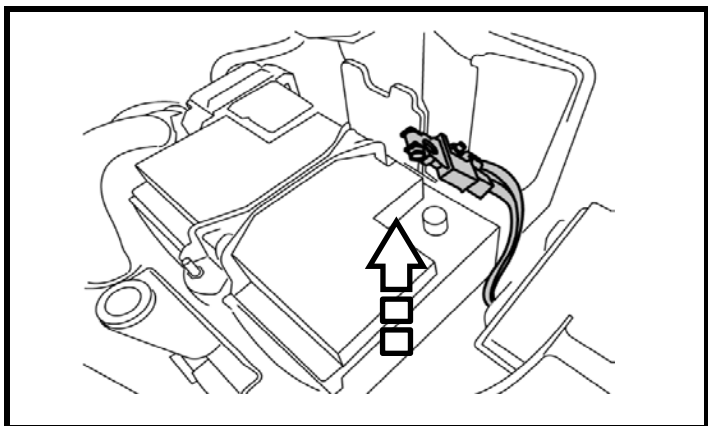
2.8) Disconnect battery terminal
   a) Locate negative battery terminal.
   b) Loosen nut with 10mm socket.

Battery Terminal Nut

⚠ CAUTION

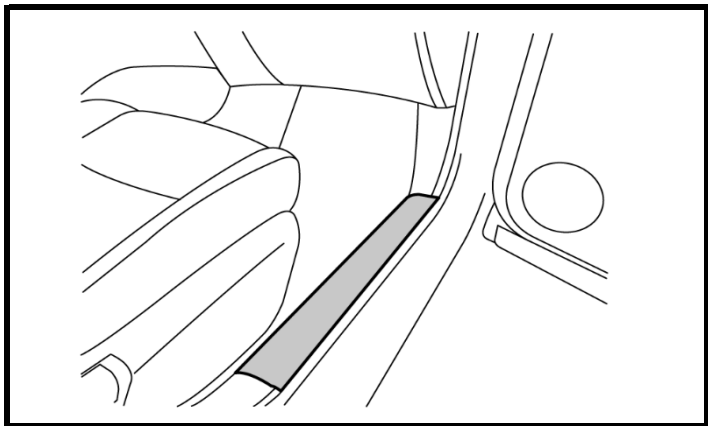● **Allow 3 min after key off with doors closed for vehicle power to time out.**

2.9) Disconnect battery terminal
   a) Lift negative battery terminal off stud.
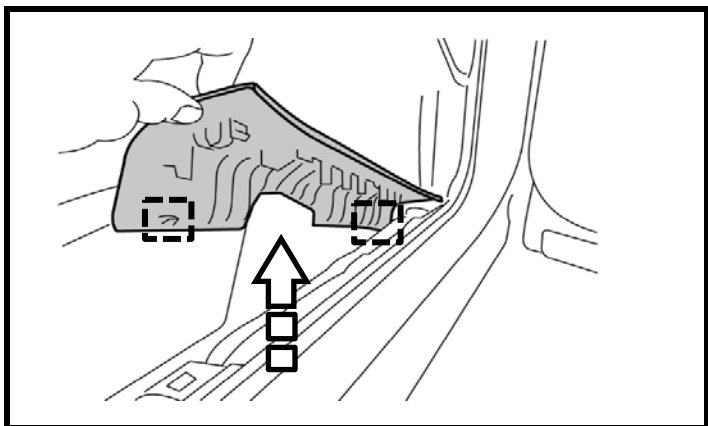   b) Isolate negative battery terminal.

⚠ CAUTION

● **Allow 3 min after negative terminal disconnect before separating any electrical connectors.**
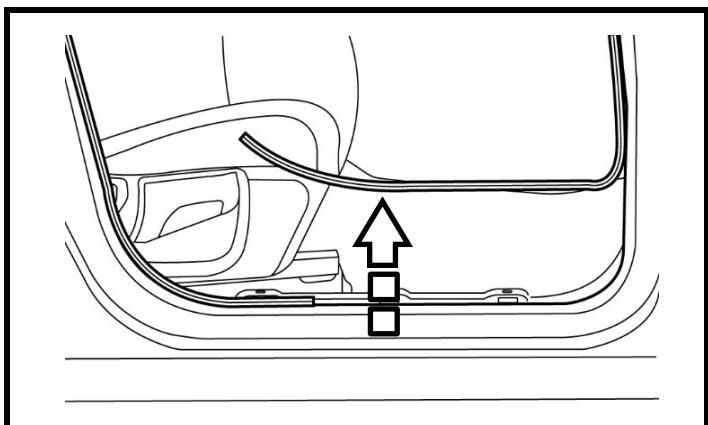
3.1) Remove RH trim
   a) Locate RH (Passenger side) inner sill plate assembly.
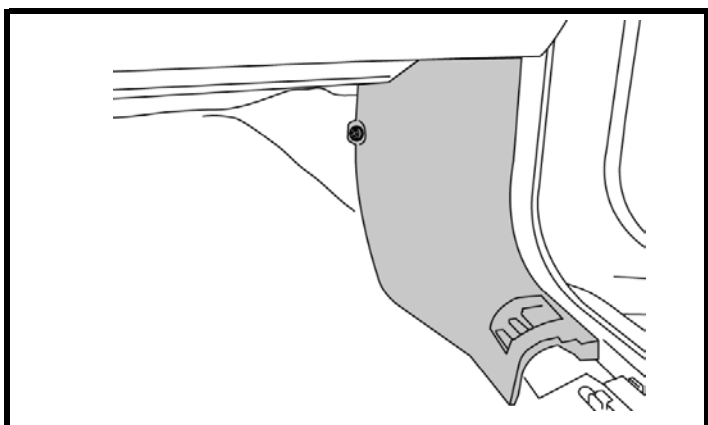

3.2) Remove RH trim
   a) Disengage lower trim clips by pulling toward interior.
   b) Lift sill plate up and out as shown.
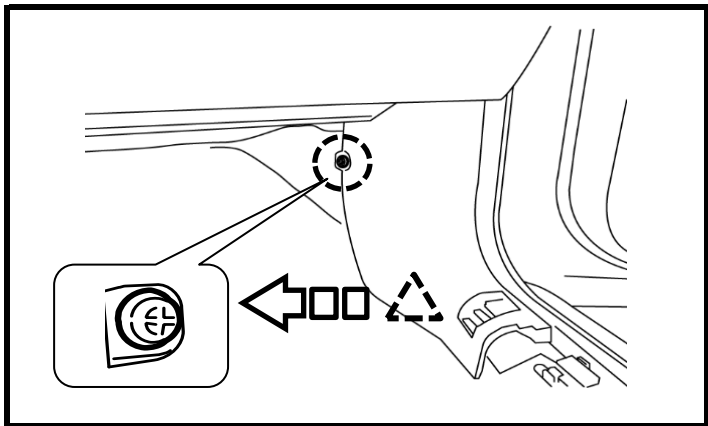
   Trim Clip

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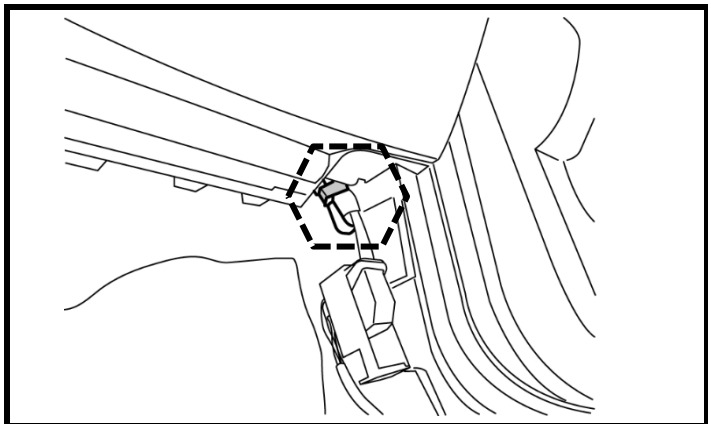

3.4) Remove RH trim
   a) Locate RH lower kick trim.

3.5) Remove RH trim
- a) Remove trim fastener from lower kick trim by unscrewing with hand.
- b) Disengage lower kick trim pawl by pulling toward interior of vehicle as shown.
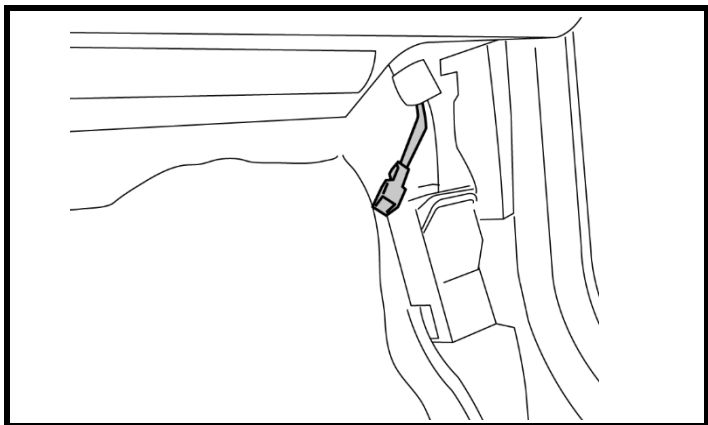
Trim Fastener

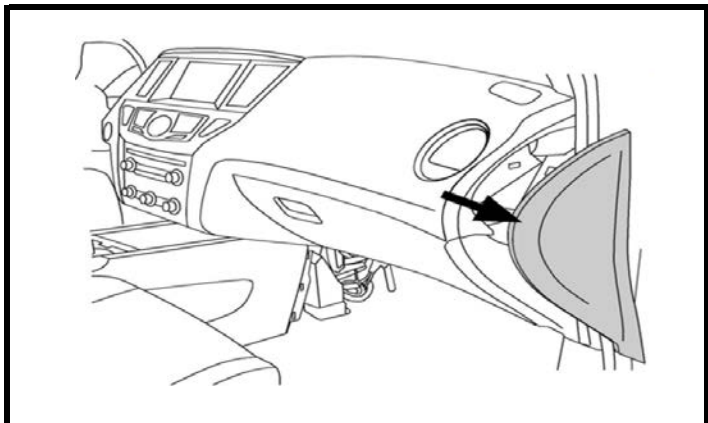**Pawl**

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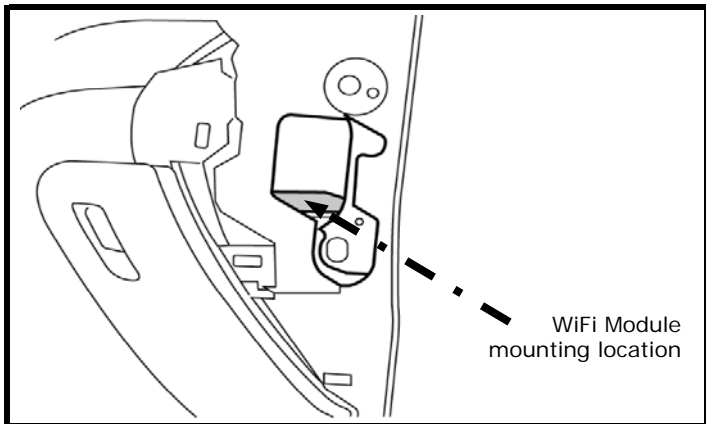
D-Opt Connector

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

3.8) Removing dash mask
- a) Carefully pry off passenger side dash mask as shown using a nylon trim tool.

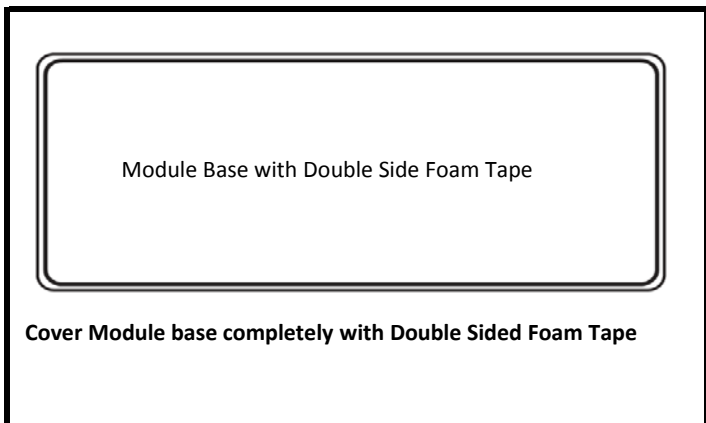**SECTION 4 - INSTALLATION PROCEDURE**

WiFi Module mounting location

4.1) Prepping surface for mounting WiFi module
- a) WiFi mounting location is inside side dash mask area.
- b) Clean top of glove box (grayed out) accessible & visible from side dash mask opening with an alcohol wipe.
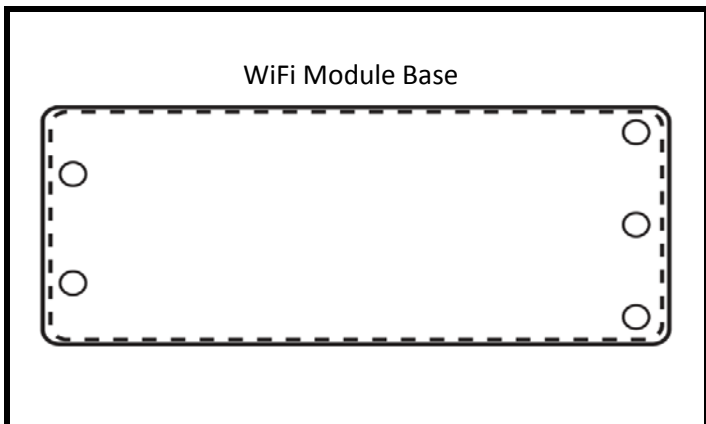
WiFi Module Base

4.2) Prepping surface for mounting WiFi module
- a) Clean WiFi base plate with an alcohol wipe

Double Sided Foam Tape
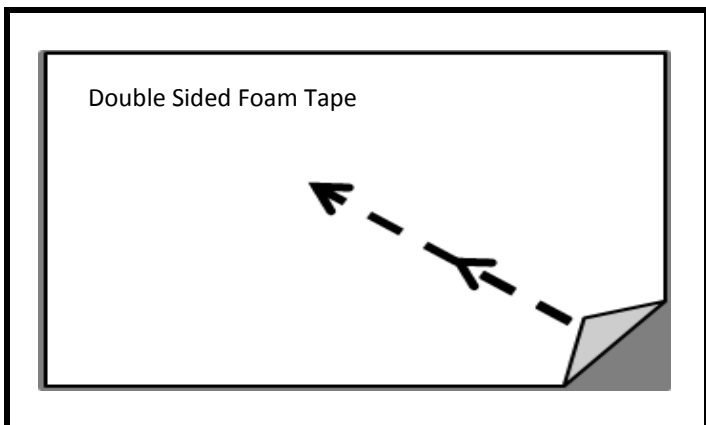
4.3) Module Installation
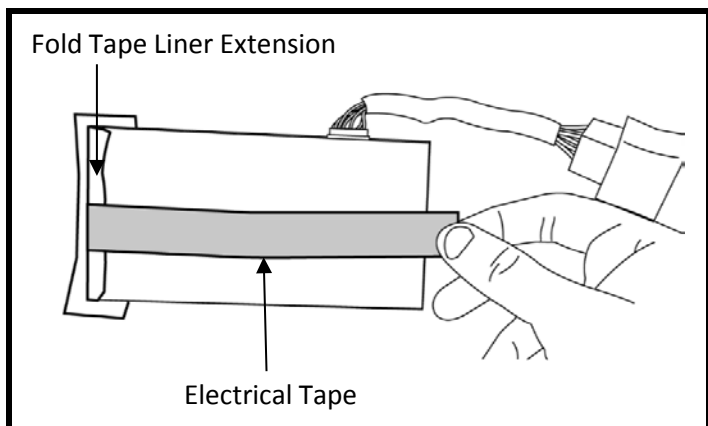- a) Peel tape liner off Double Sided Foam Tape (H) as shown.

Module Base with Double Side Foam Tape

Cover Module base completely with Double Sided Foam Tape

4.4) Module Installation
- a) Apply double sided tape (H) to base plate of WiFi module as shown
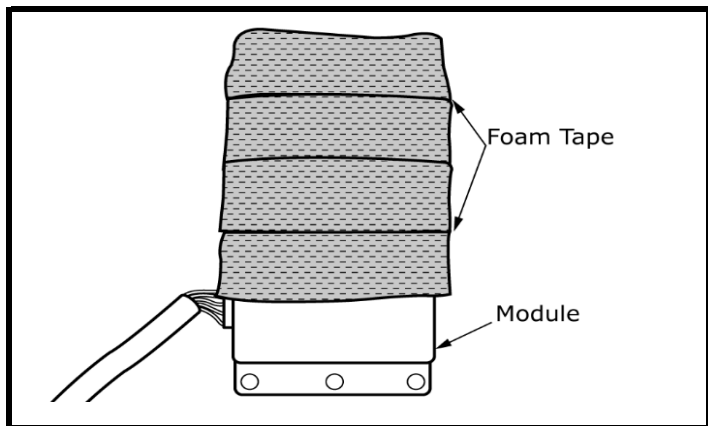
Foam Tape

Module

4.5) Module Installation
- a) Wrap module on top with foam tapes (E) as shown

Fold Tape Liner Extension

Electrical Tape
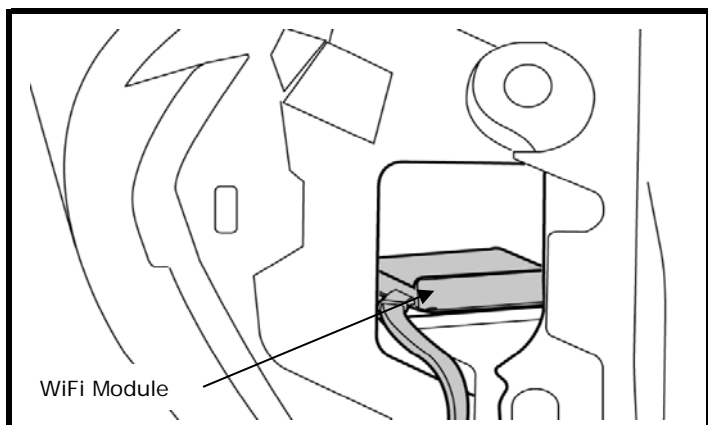
4.6) Module Installation
- a) Fold tape liner extension and stick electrical tape on the extension through the length of module so as to be able to peel the liner off in futher steps.
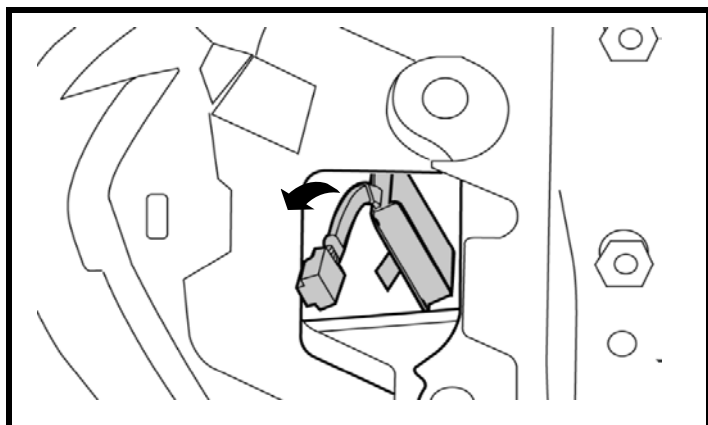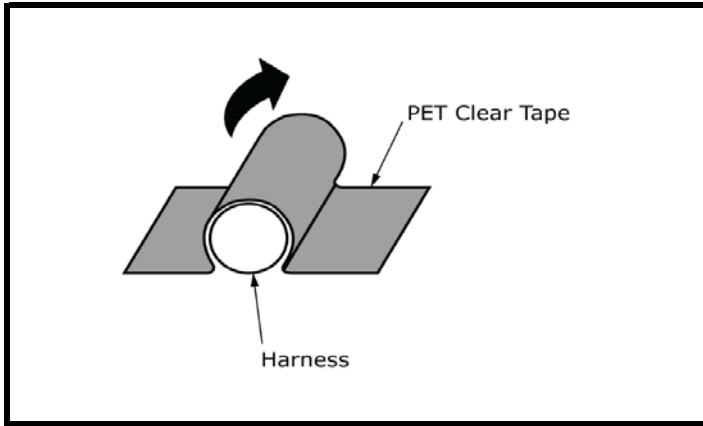
4.7) Module Installation
- a) Place WiFi module inside opening, behind dash mask; and line with edge of opening at an angle as shown.
- b) Peel off Tape liner using the electrical Tape extension

WiFi Module

4.8) Module Installation
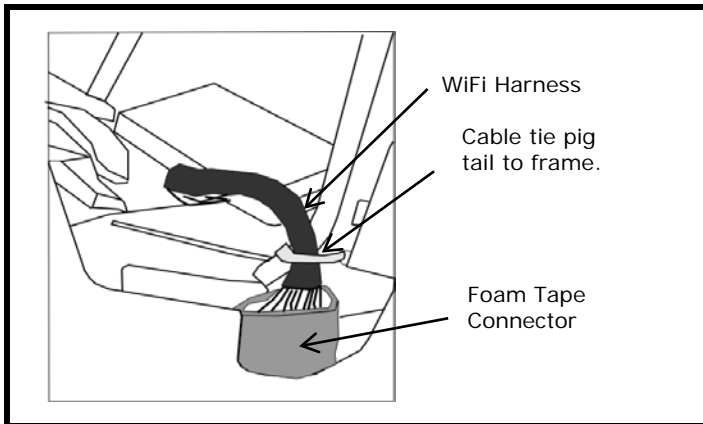- a) Rotate to mounting location as shown. Press WiFi module to opening with 15lbs min. pressure.
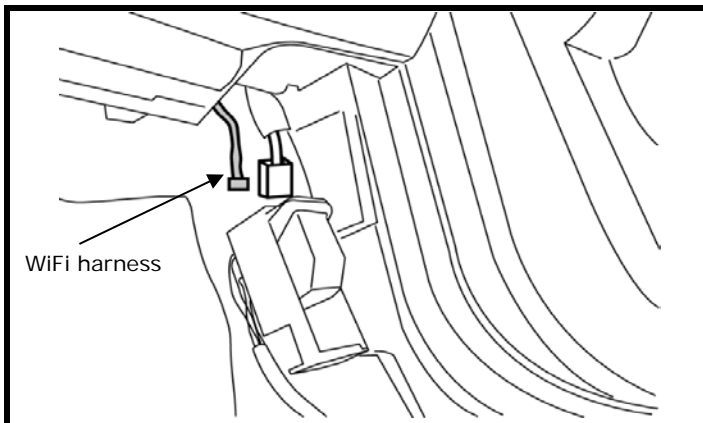
SECTION 4 - INSTALLATION PROCEDURE

4.9) Module Installation

   a) Attach PET clear Tape (K) to Glove box so that Tape goes up and over harness, as shown

4.10) Module Installation

    a) Foam wrap (E) pig tail male connector to prevent rattling. Cable tie pig tail connector to frame as shown.
Push connector to inside.

4.11) Routing harness

    a) Connect Wire Harness to WiFi Harness. Route Harness down inside opening in side mask area to D-OPT Connector

    b) Positap as per instructions on Appendix A. Foam wrap positaps on Accessory Service Connector.
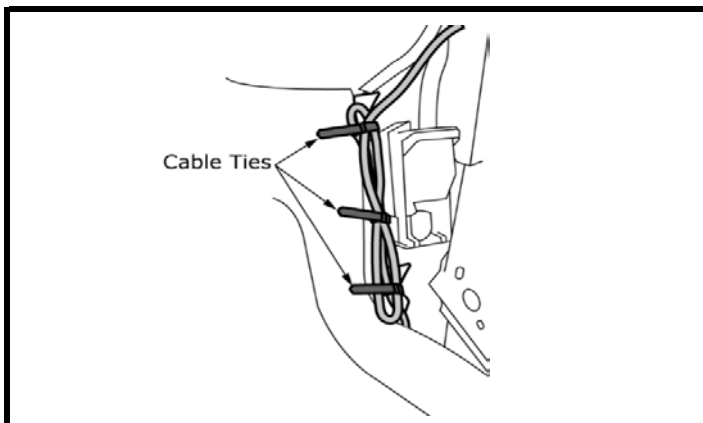
4.12) Routing harness

    a) Place Pass D-OPT connector in original position prior to cutting cable tie. Cable tie positaps and extra harness to vehicle wire harness with 3 cable ties.

    b) Re-install all parts that were removed. Once completed perform the Function check (Section 5) and Final Inspection (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.

Accessory Service Connector

AAA

5.1) Connect ASC (AAA) to WiFi 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 WiFi Module

    a) Using a Posi-Tap, connect the RED wire from WiFi TCU Module Harness to "BAT" (RED wire) of the ASC (AAA) as shown.

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

    c) Using a Posi-Tap, connect the BLACK wire from WiFi TCU Module Harness to "GND" (BLACK wire) of the ASC (AAA) as shown.
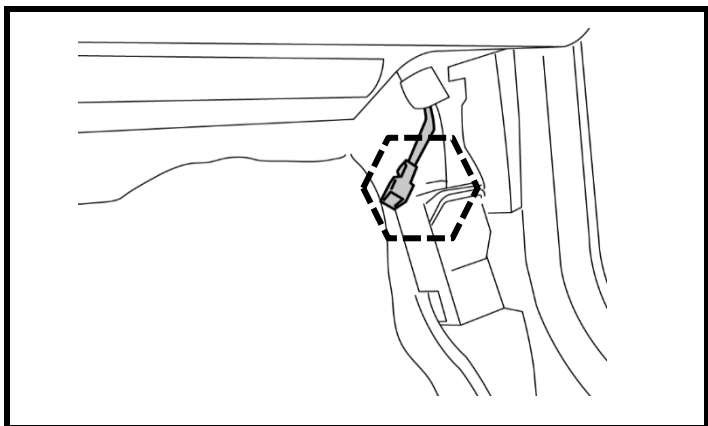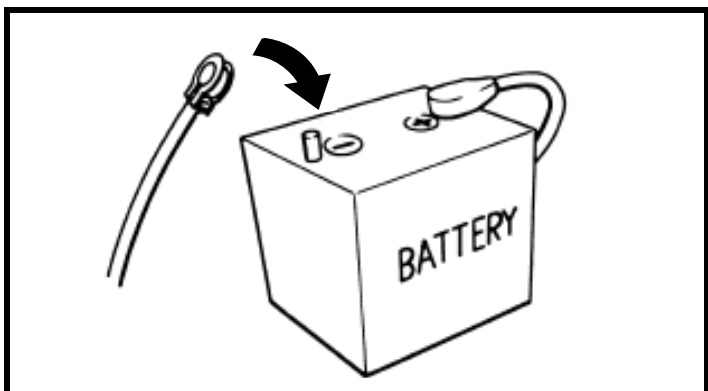
Posi Tap (F)
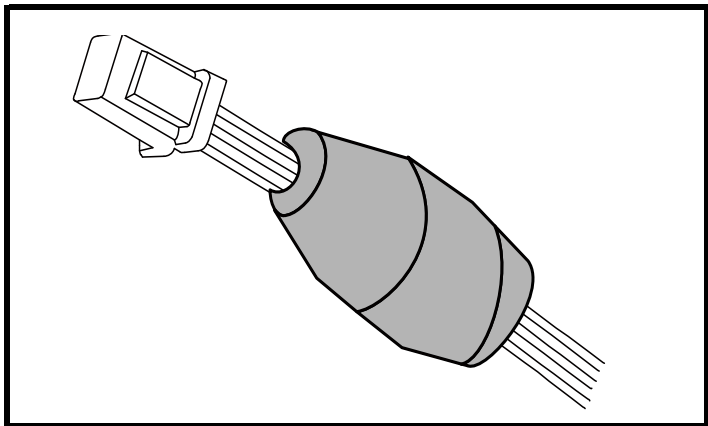
5.3) Connect ASC (AAA) to WiFi Module

    a) Once the ASC is prepared as described in Appendix A, the Power Harness with ASC attached should look like this.

5.4) Connect ASC (AAA) to WiFi Module

    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 WiFi Module powers up by verifying the connectivity as per Section 7

5.6) Electrical function check

    a) If NG, check fusing, harness routing, connections, and WiFi 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.

6.1) Reinstall trim panels

a) Reinstall RH lower kick trim & RH Instrument Lower covers

b) Place Front RH dool sill weatherstrip along front RH bottom edge & reinstall RH sill plate

c) Reinstall Passenger side dash mask carefully

⚠ 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.

6.2)   Complete checklist:
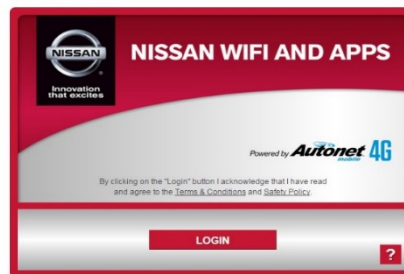
☐   Tighten battery terminal nut to 5 N-m.

☐   Re-install underhood air box assembly

☐   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.

⚠ CAUTION

● Refer to the vehicle service manual for more information.

☐ Verify interior and exterior is not damaged.

☐ Turn ignition switch to the "ON" position to confirm proper operation of vehicle systems.

   ☐ Verify that there are no new Diagnostic Trouble Codes.

   ☐ 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.

   ☐ Tail Lamp - Turn on headlamps; open glove box and note whether light goes on.

   ☐ Confirm proper audio function (AM, FM, SAT, CD and AUX).

   ☐ Re-program radio presets and other vehicle settings to the recorded settings if necessary.

   ☐ Open your wireless network list and connect to "Autonet-XXXX" (The last 4 digits will be the last 4 digits of the WiFi serial number).

   ☐ Open your browser the following screen appears.

☐ Click the LOGIN button. If the following screen appears showing no signal while trying to log in there is insufficient cell tower signal. The vehicle may have to be moved outside for better reception.


   If you are unable to see the "Autonet-XXXX" in your wireless network list verify power is present to the WiFi module. If power is present and module still does not appear on the wireless network list call Autonet Mobile at 1-800-977-2107

⚠ CAUTION

● **Refer to the vehicle service manual for more information.**

☐ After pressing the 'Login', the following window will open, the WiFi module is now in communication with the cell tower. Installation is complete.
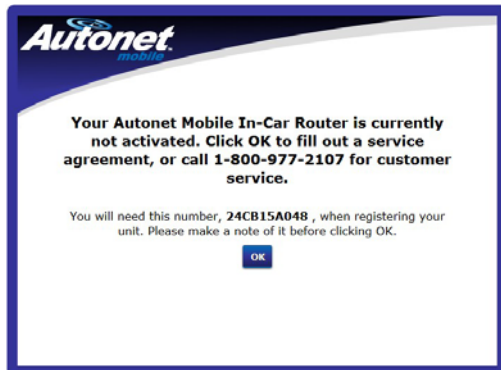

The test verifies data communication via network/telecommunication as indicated by prompting the user to fill out a service agreement.

If the service agreement does not pop up this indicates that the Telecommunications (WiFi/network) failed. Contact Autonet Mobile at 1-800-977-2107
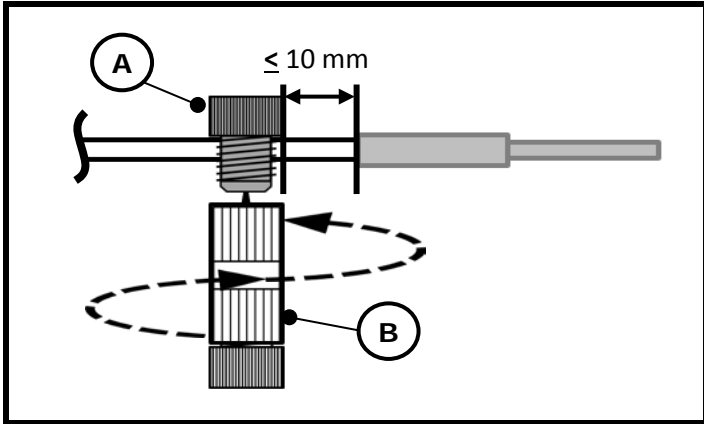
☐ Place the Activation Guide, and glove box brochure in the glove box.

APPENDIX A - POSI-TAP PROCEDURE
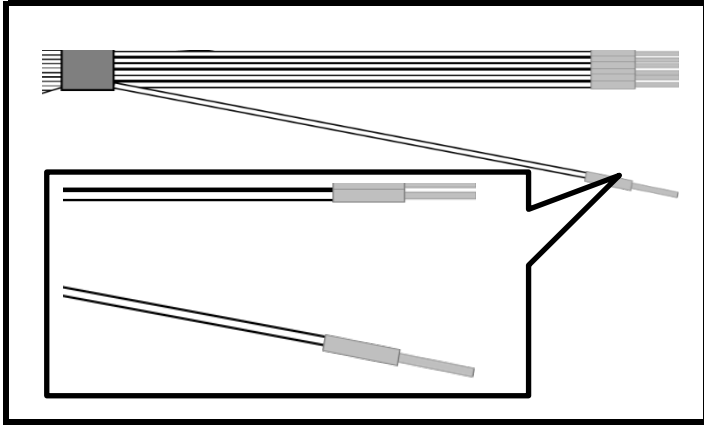
A.1) Installing Posi-Tap™ on Accessory Service Connector (AAA)

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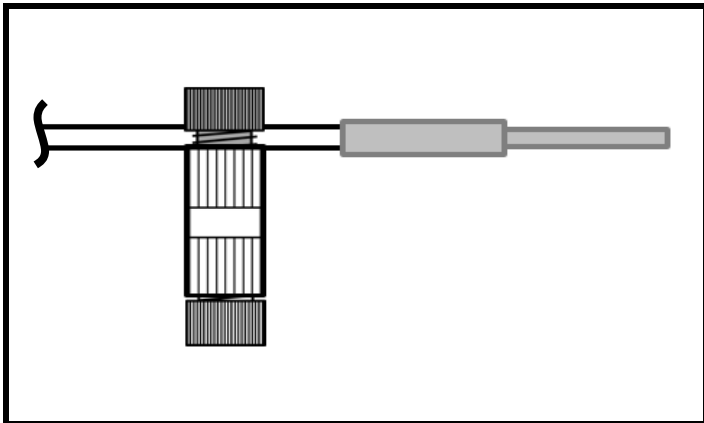
    b) Separate wire from rest of bundle.

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 $\leq$ 10 mm away from heat shrink end of connector

    d) Turn tap (B) clockwise until finger "tight". Then secure to cap (A) with another ¼ turn.

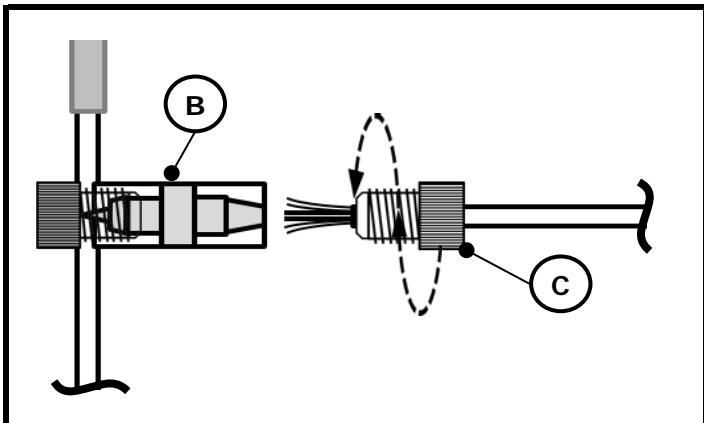### ⚠ CAUTION

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 ¼ turn.
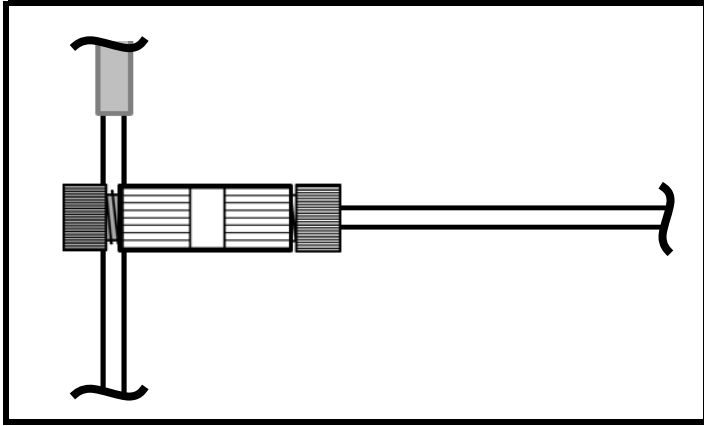
A.5) Installing accessory wire into Posi-Tap™
  a) Confirm tap bottom gap is straight and evenly spaced around perimeter
 b) Gently pull on wire to confirm secure connection.
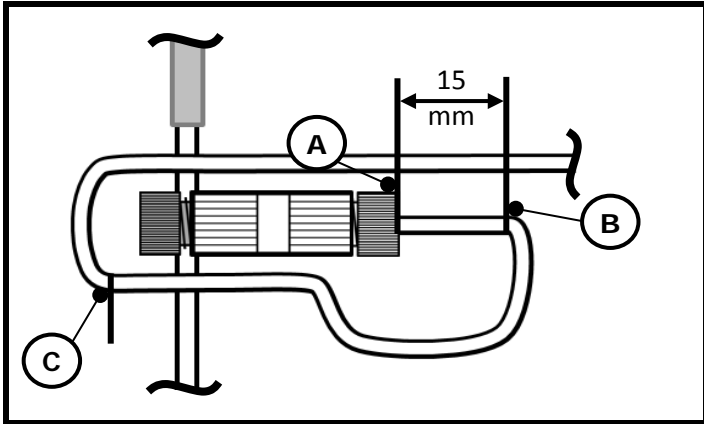
A.6) Accessory wire strain relief
  a) Measure ≥ 15 mm from point (A).
  b) Gently form a loop at point (B) and bend back up towards Posi-Tap™ (bend radius ≥ 10mm).
  c) Gently form a loop at point (C) and bend back over top of Posi-Tap™ and down opposite side (bend radius ≥ 10mm).
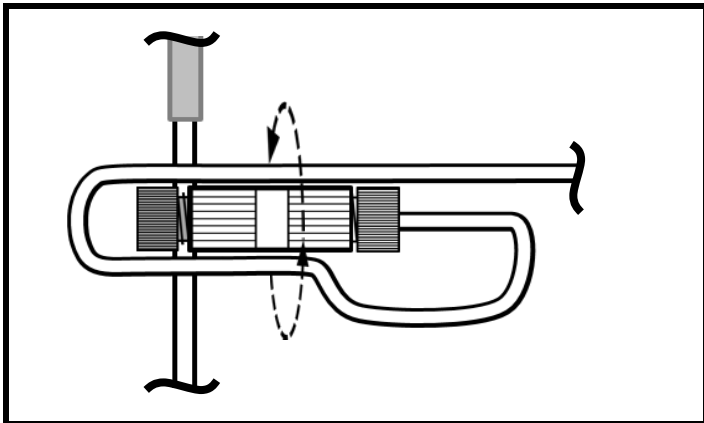
A.7) Accessory wire strain relief
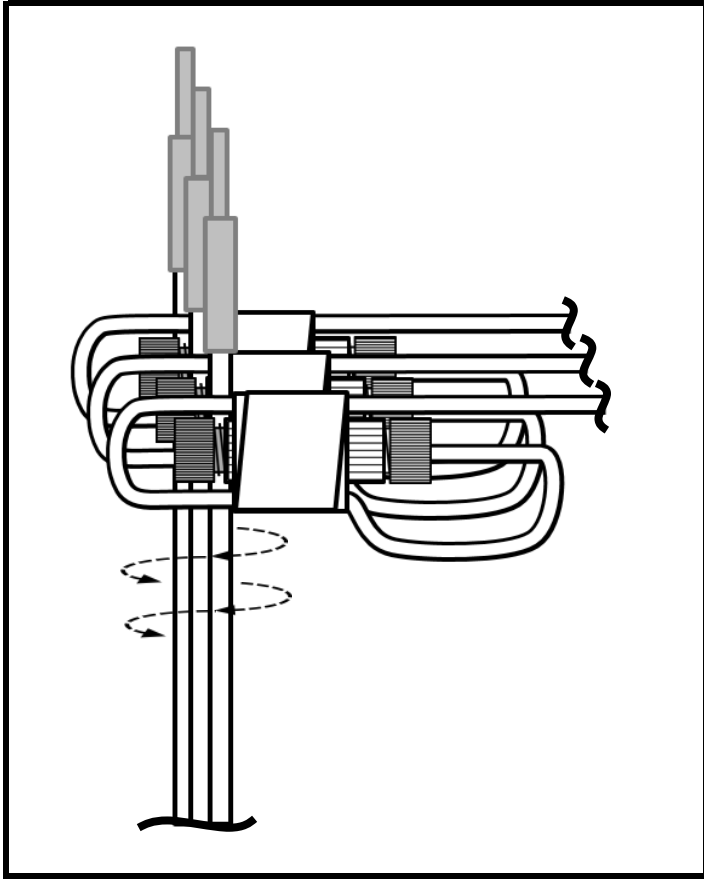 a) Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).
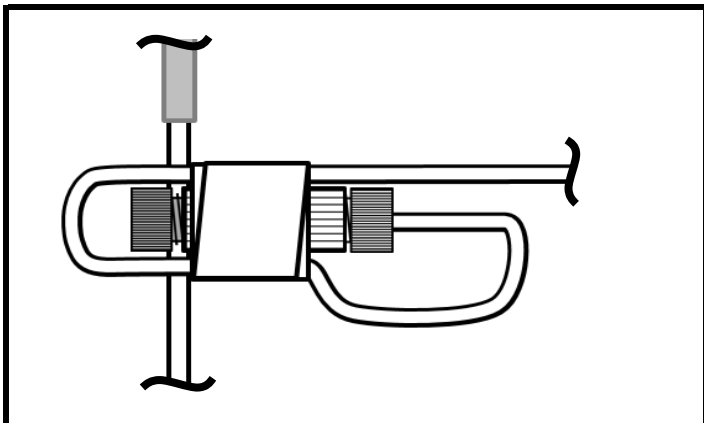
A.8) Accessory wire strain relief
  a) Once accessory wire strain relief is taped to tap body, it should look as shown.

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

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).
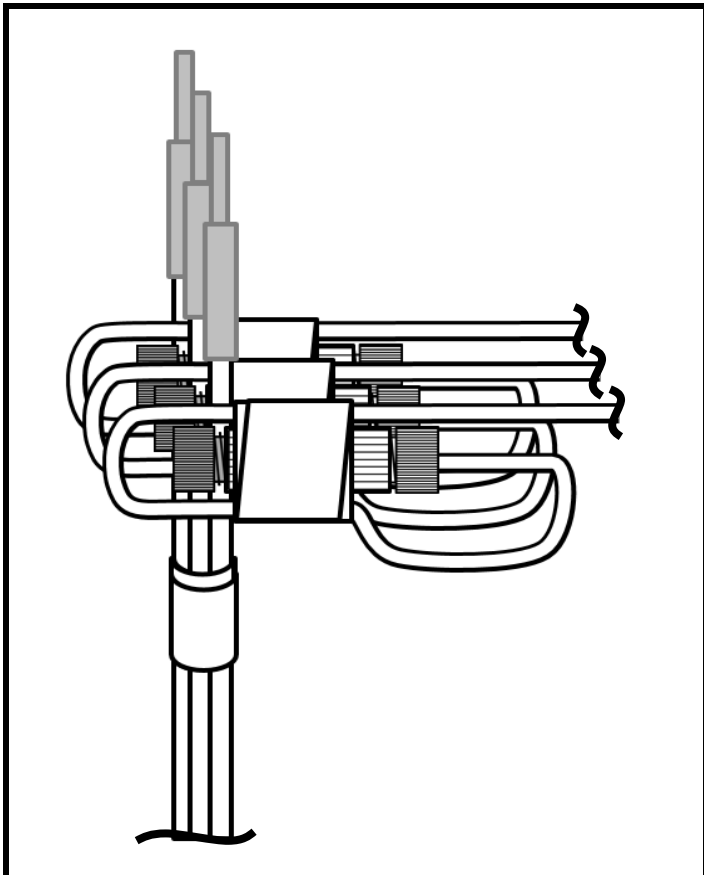
A.11) Securing multiple Posi-Taps™ together
   a) Once tapped circuits are secured together with electrical tape they should look as shown.
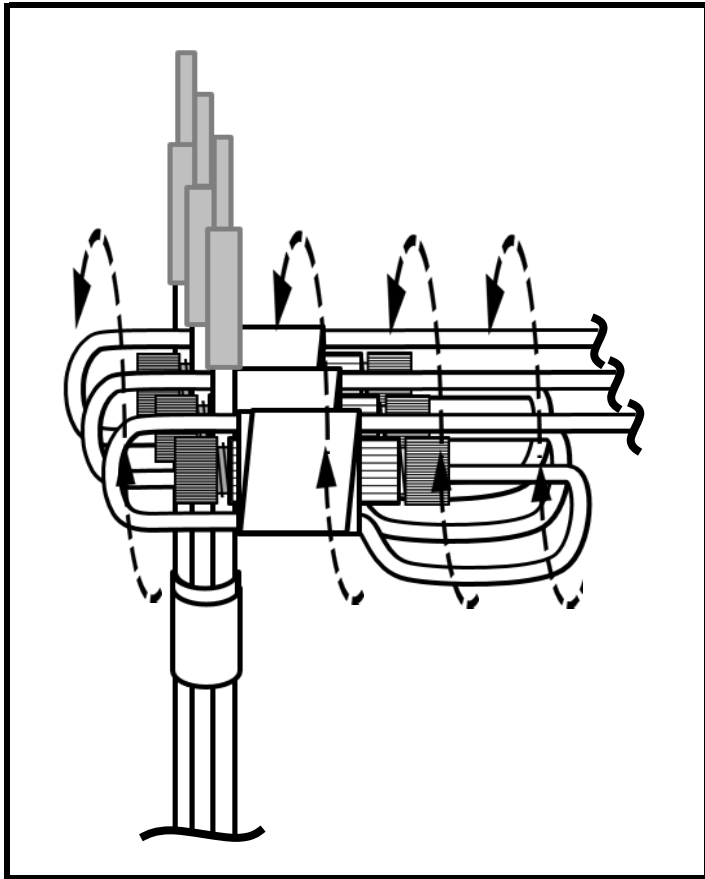
A.12) Securing multiple Posi-Taps™ together
   a) Secure Posi-Taps™ together with electrical
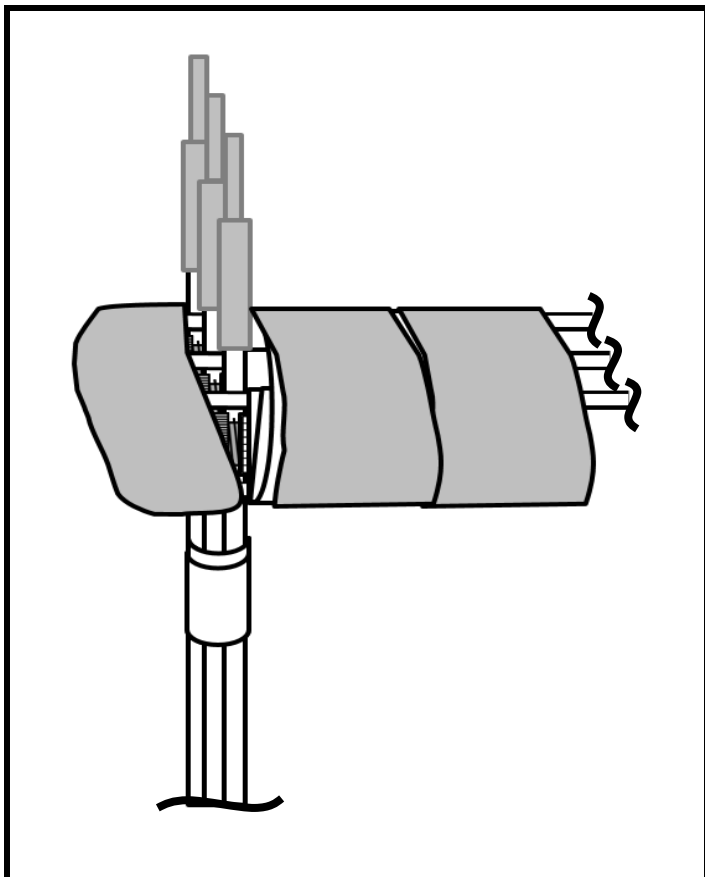   tape (≥ 4 revolutions).
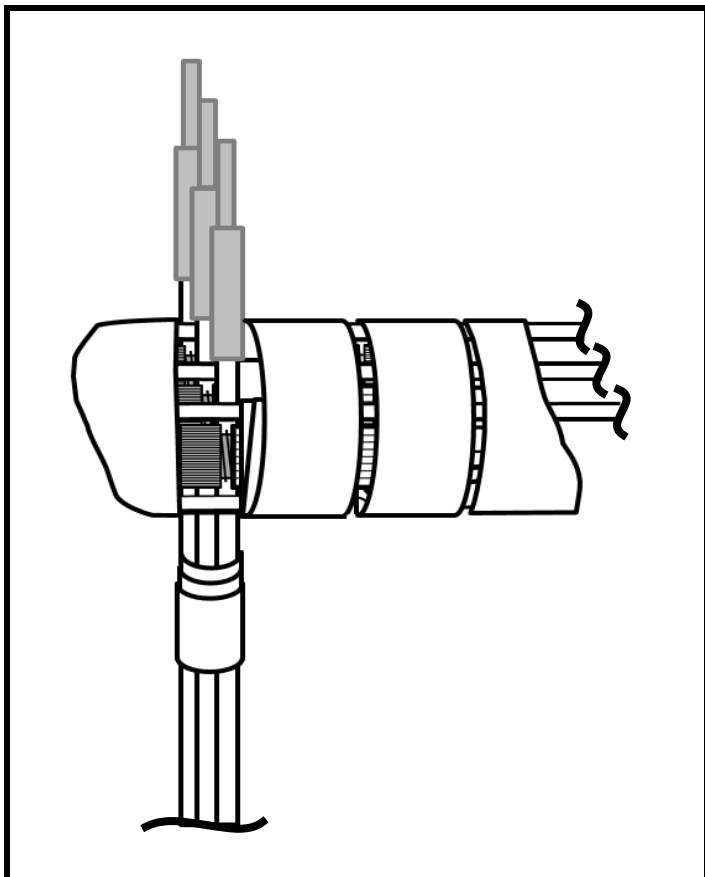
A.13) Securing multiple Posi-Taps™ together
   a) Once Posi-Taps™are secured together with
       electrical tape they should look as shown.
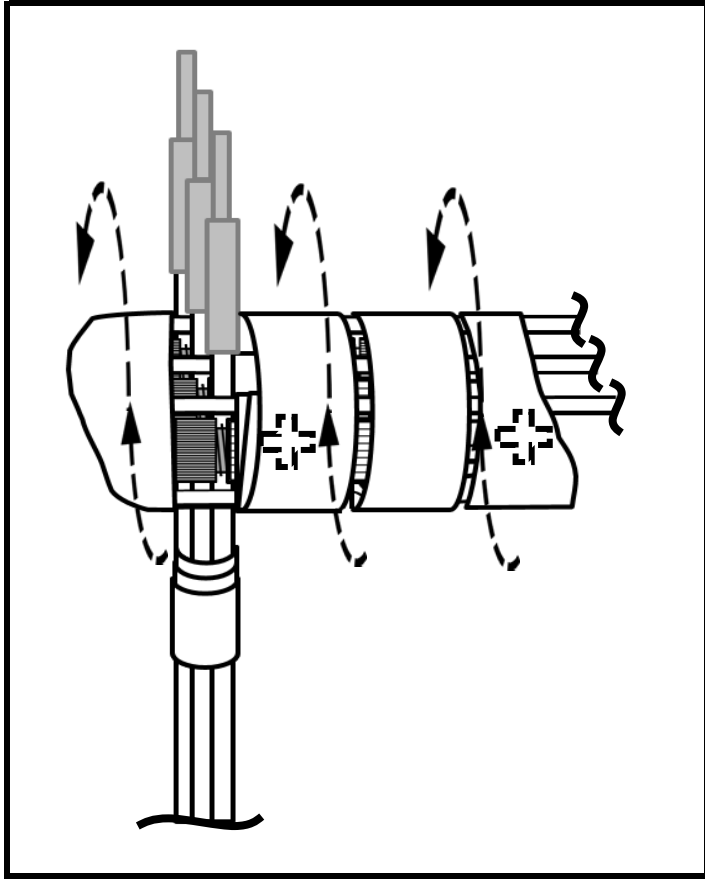
A.14) Securing multiple Posi-Taps™ together
- a) To prevent any possible noise or rattle issues, use two pieces of Foam Tape, to wrap pre-taped Posi-Taps™.
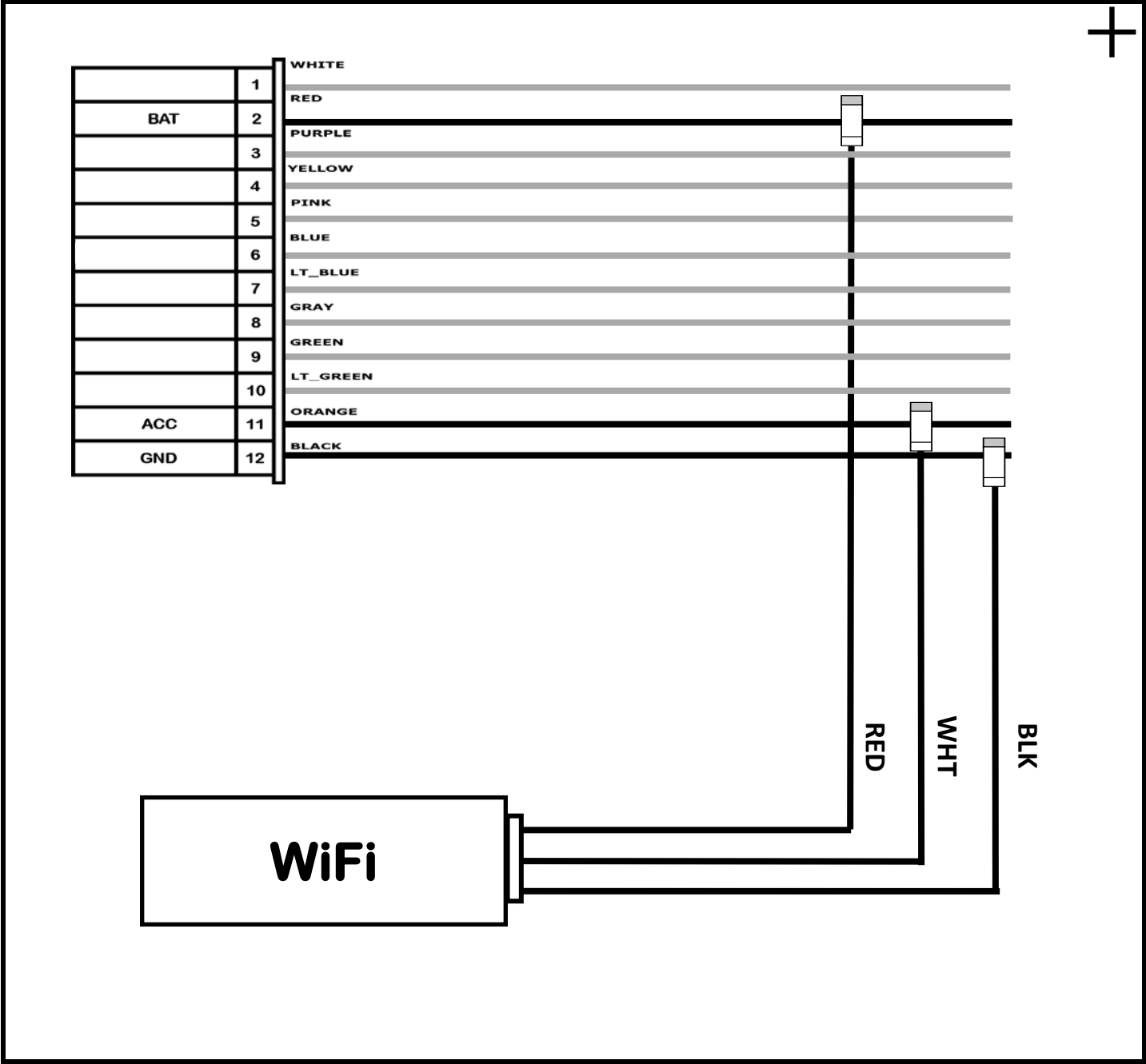
  Foam Tape

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

B.1) Figure below applies to WiFi

CONNECTOR PN#	999Q9 AY001	LEGEND
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR	
CONNECTOR COLOR	WHITE	

POSI-TAP

GRAY - CIRCUIT TAP (PIERCE) SIDE

RED - ACCESSORY (INSERT) SIDE

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