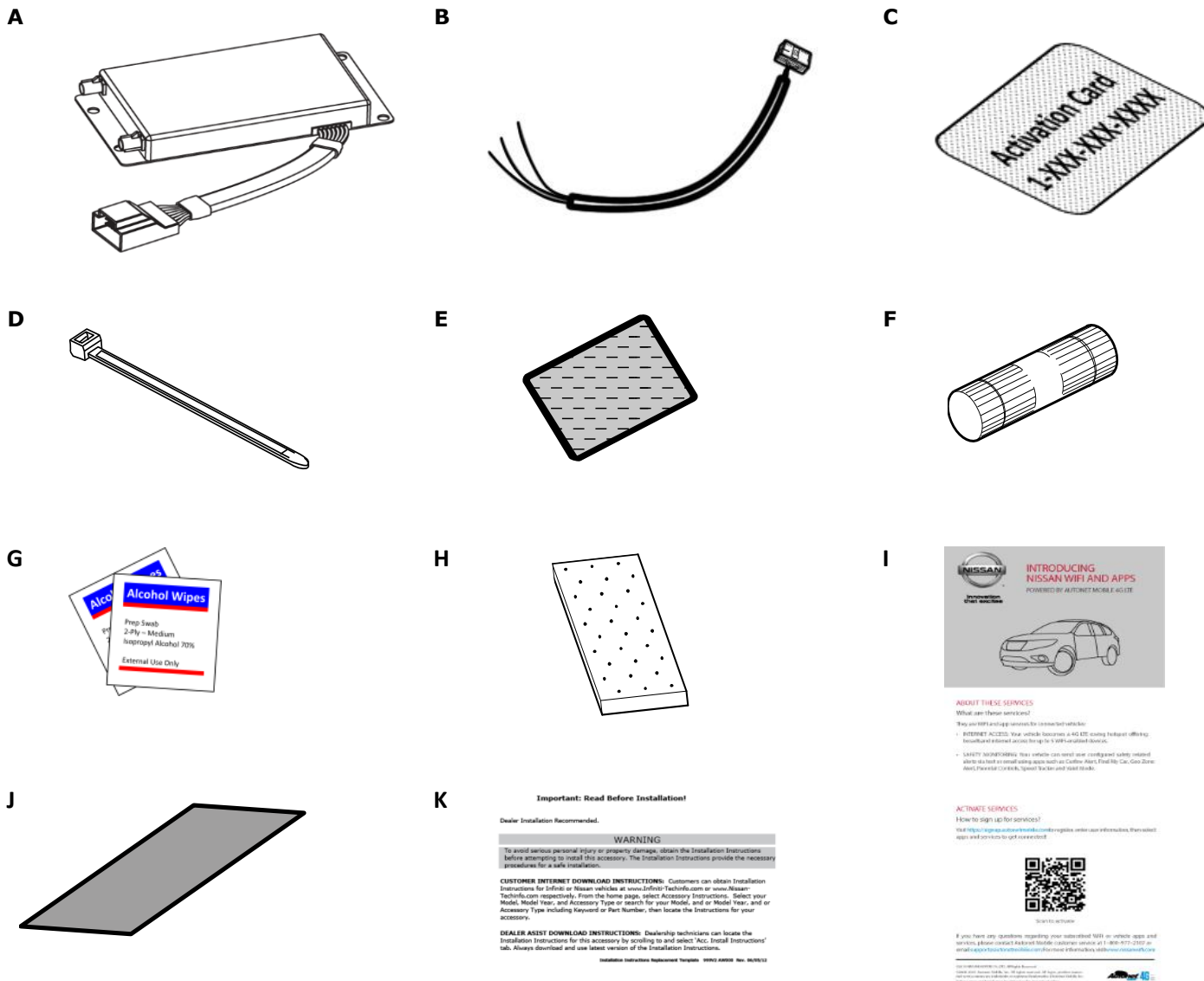




GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION: WiFi
APPLICATION: Altima
PART NUMBER(S) T99Q8 4RA0A, Wi-Fi Kit
REQUIRED FOR
INSTALLATION: T99F6 4RA0A , Accessory Service Connector - not included in kit above
KIT CONTENTS: Wi-Fi Kit



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) **T99Q8 4RA0A**
REQUIRED FOR
INSTALLATION: **T99F6 4RA0A (Accessory Service Connector) - not included in kit above**

KIT CONTENTS:

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

TOOLS REQUIRED:

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

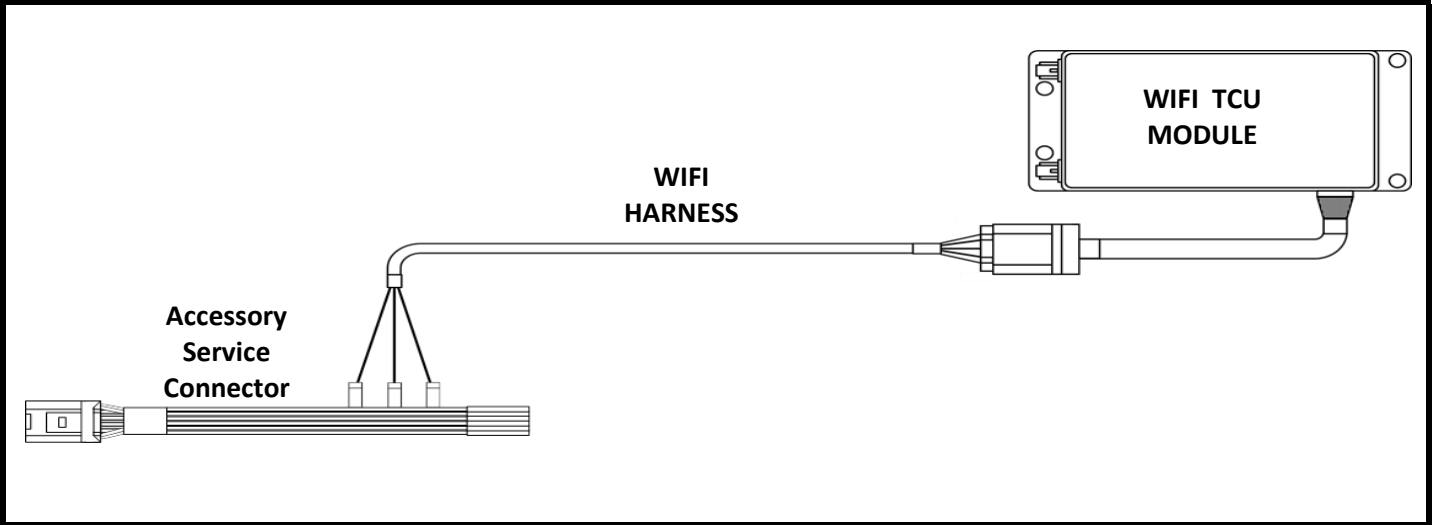
INSTALLATION CAUTIONS:



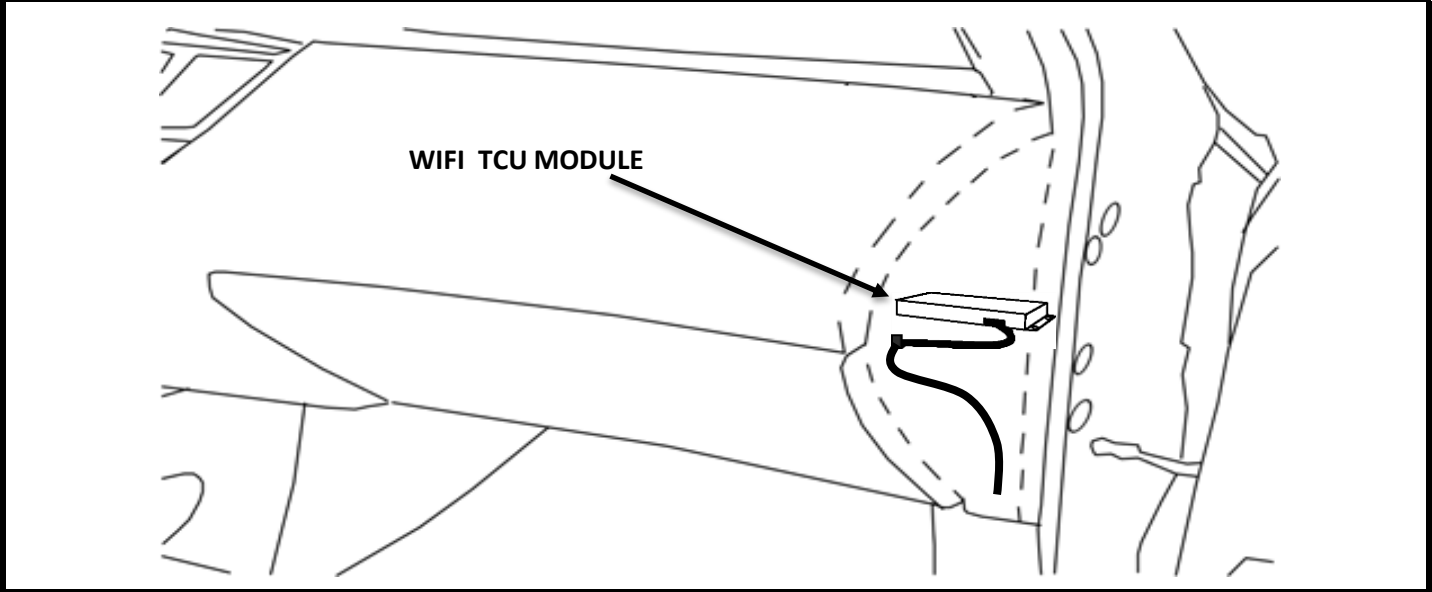
- Dealer installation recommended. Instructions may refer to Service Manual.
- Please read this instruction carefully before installing this product for correct installation.
- Please DO NOT use or install the part in ways other than what is described.
- Always use floor, seat and steering wheel protection.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

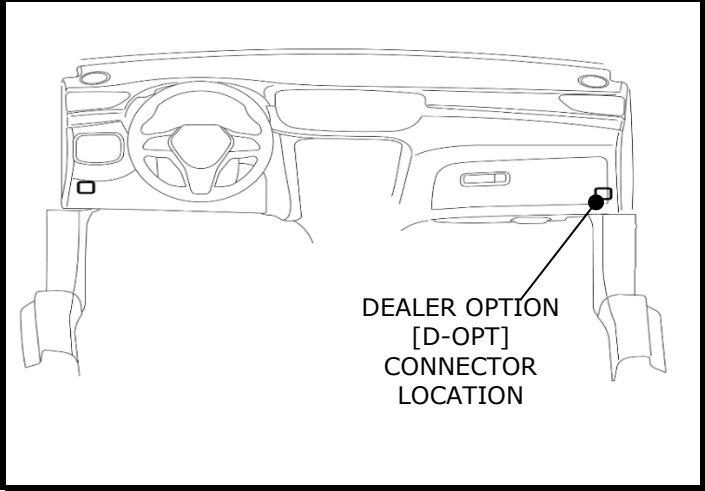
1.1) SYSTEM



1.2) VEHICLE



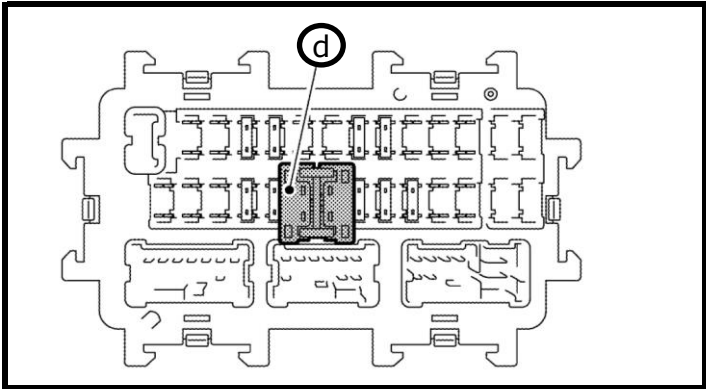
1.3) D-OPT CONNECTOR LOCATION



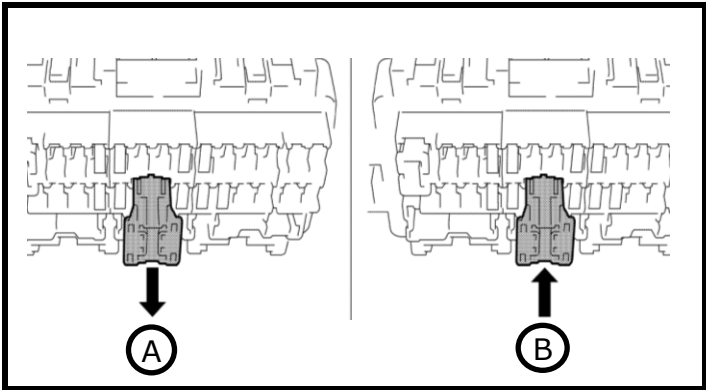


CAUTION

- 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.

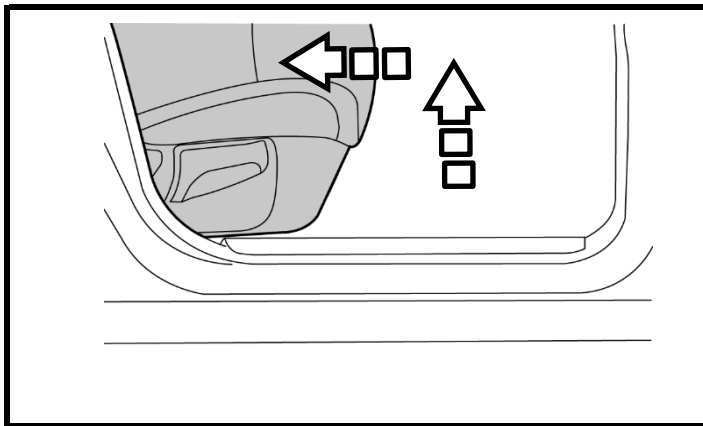
Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

- 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

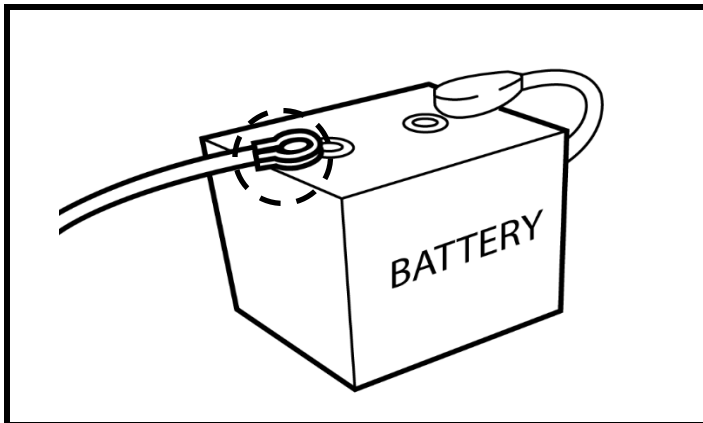
- c) Place ignition in "OFF" mode.

SECTION 2 - VEHICLE PREPARATION



2.4) Move seat

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



2.5) Disconnect battery terminal

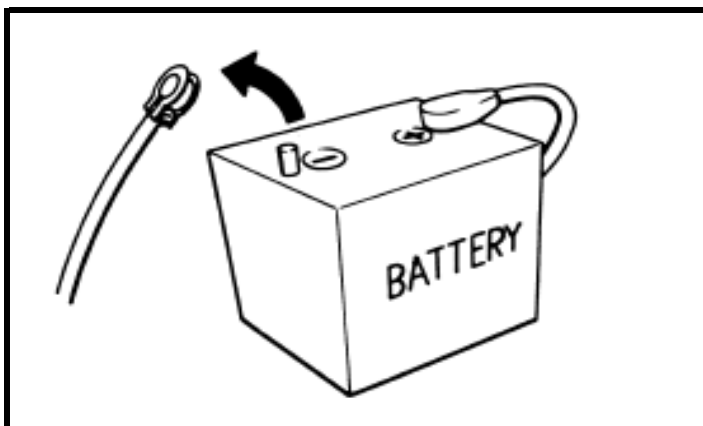
- a) Locate negative battery terminal.
- b) Loosen nut with 10mm socket.

Battery Terminal Nut



⚠ CAUTION

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

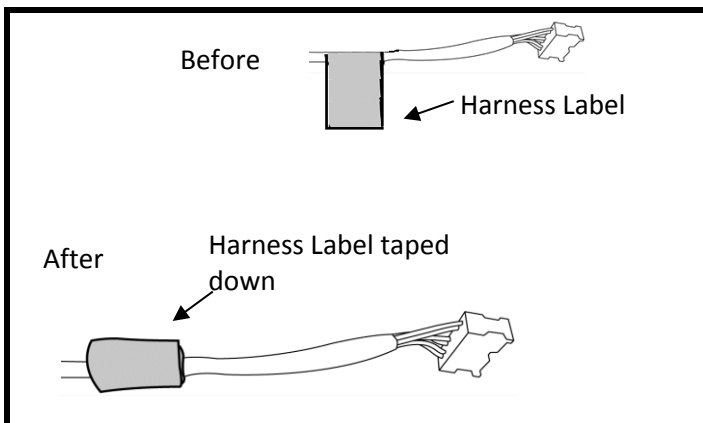


2.6) Disconnect battery terminal

- a) Lift negative battery terminal off stud.
- b) Isolate negative battery terminal.

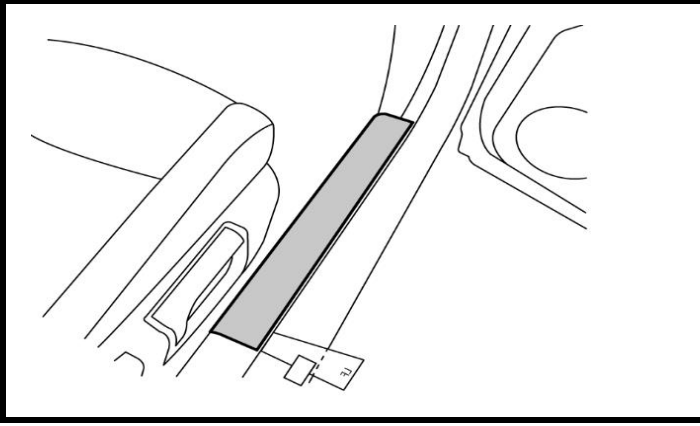
⚠ CAUTION

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

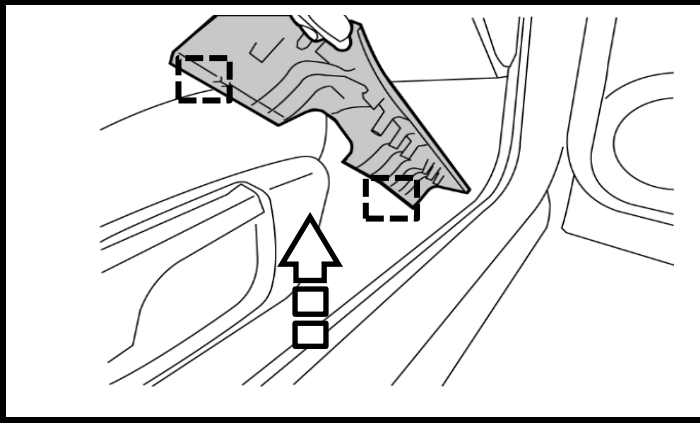


- 2.7) To prevent squeak and rattle, wrap label around harness and secure down with tape.

SECTION 3 - TRIM REMOVAL (FRONT RIGHT HAND)

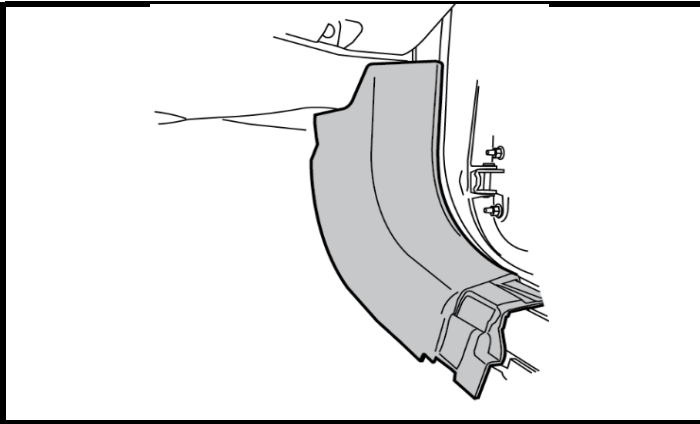


- 3.1) Remove RH trim
a) Locate RH inner sill plate assembly.

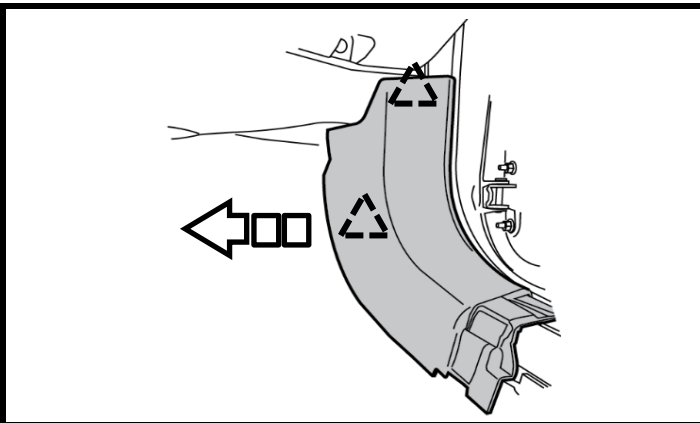


- 3.2) Remove RH Trim
a) Disengage lower trim clips by pulling toward interior.
b) Lift sill plate up and out as shown.

Trim Clip



- 3.3) Remove RH Trim
a) Locate RH Passenger Side lower kick trim.

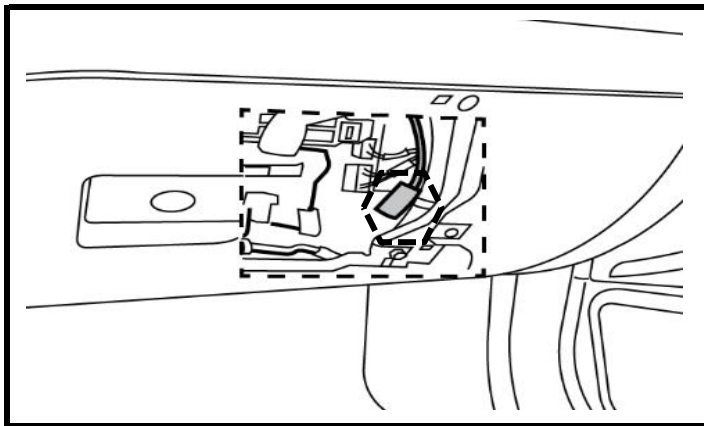


- 3.4) Remove RH Trim
a) Disengage kick trim pawls by pulling toward interior of vehicle as shown.

Pawl



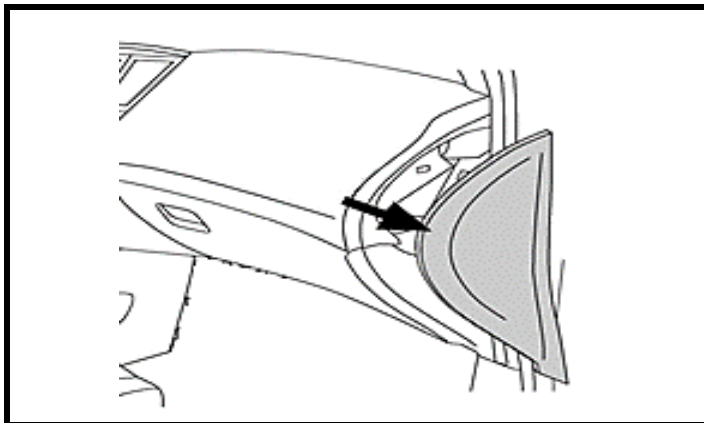
SECTION 3 - TRIM REMOVAL



3.5) Locate RH D-Opt connector

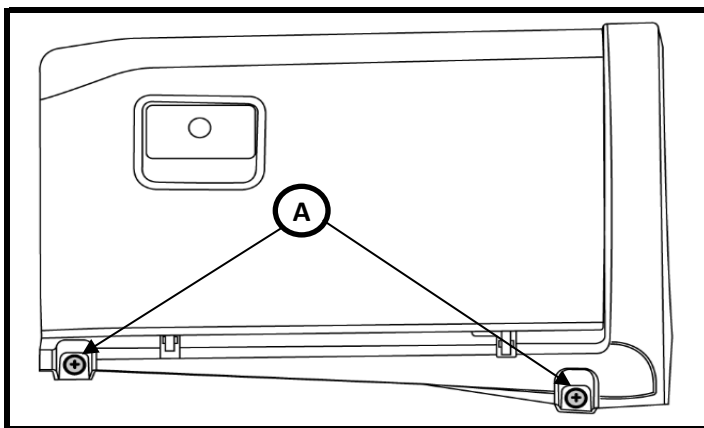
- a) Locate Dealer-Option Connector taped to main harness bundle.

D-Opt Connector



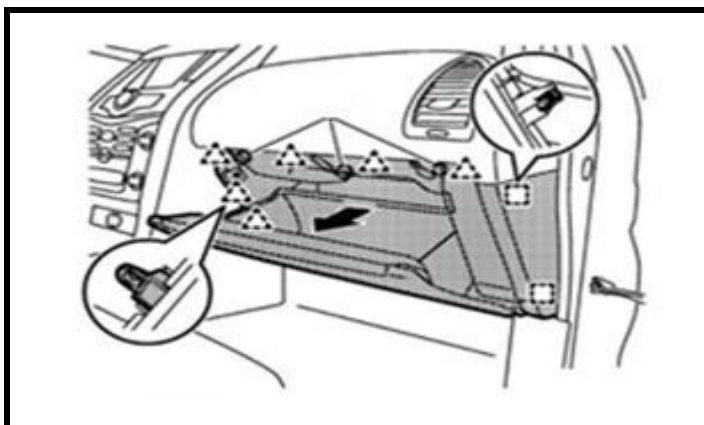
3.6) Removing dash mask

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



3.7) Remove glove box assembly

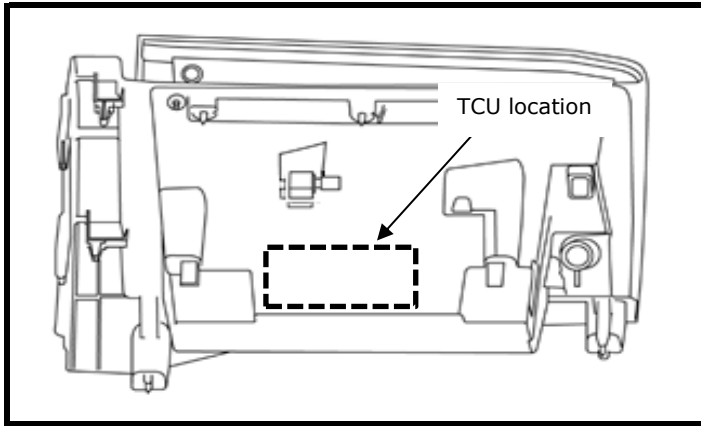
- a) Remove two glove box assembly fixing screws (A) using a Philips screw driver.



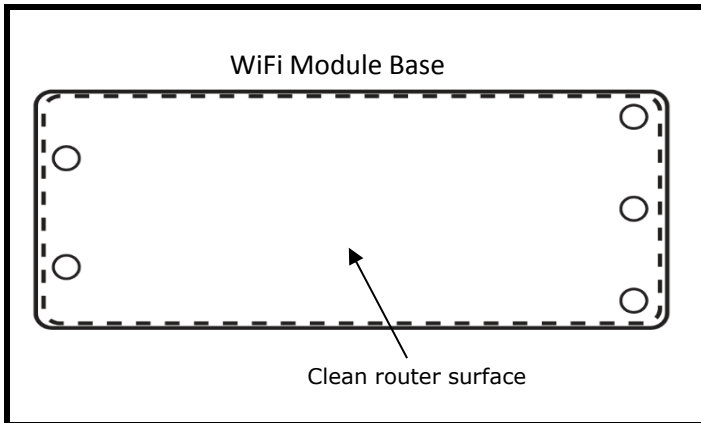
3.8) Remove glove box assembly

- a) Open glove box lid.
- b) Remove three glove box assembly fixing screws (B) using a Philips screw driver.
- c) Pull back glove box assembly.
- d) Disconnect glovebox light harness connector and module connector (if any).

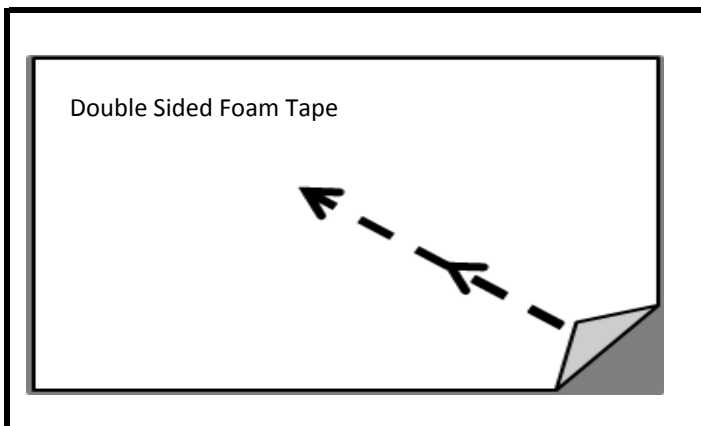
SECTION 4 - INSTALLTION PROCEDURE



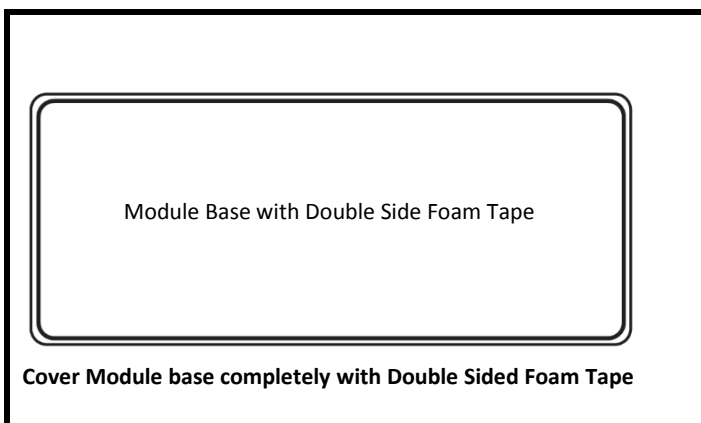
- 4.1) Prepping surface for mounting WiFi module
- a) Find proper TCU location onto the glovebox assembly as shown in Figure.
 - b) Clean glove box installation surface with an alcohol wipe.



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



- 4.3) Module Installation
- a) Peel tape liner off adhesive square (**H**) as shown.



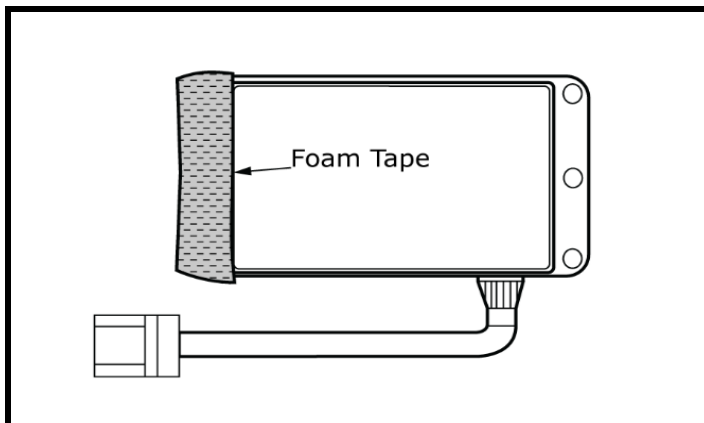
- 4.4) Module Installation
- a) Apply the double sided foam tape (140x70x2 mm) to the base plate of the Wi-Fi router as shown in Figure.

SECTION 4 - INSTALLTION PROCEDURE



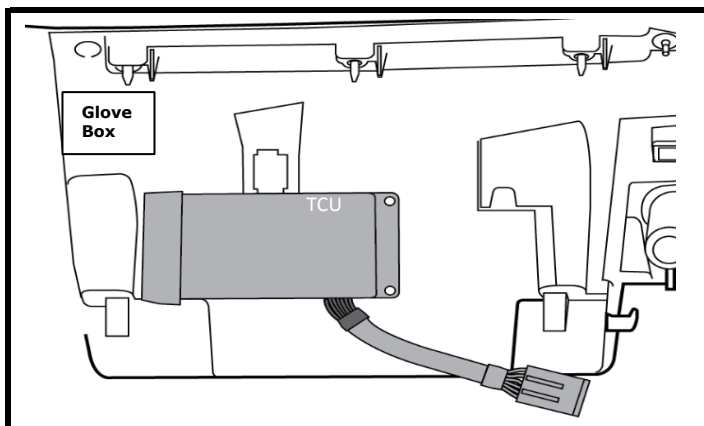
4.5) Module Installation

- a) Peel tape liner from foam pad **(H)** on router as shown in Figure.



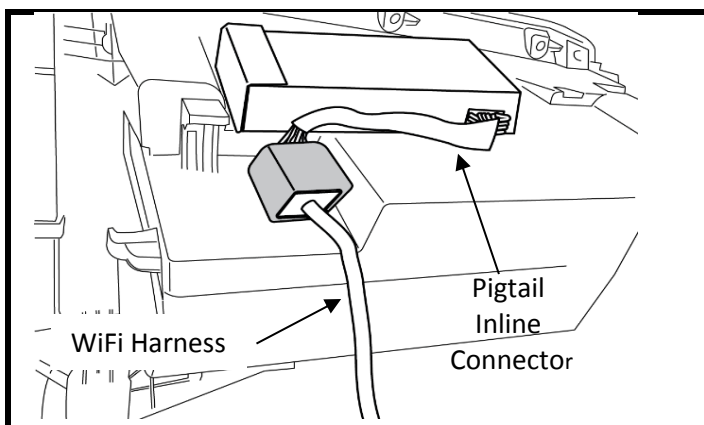
4.6) Module Installation

- a) Cover over unused external antennas with Single sided foam tape **(E)**.



4.7) Module Installation

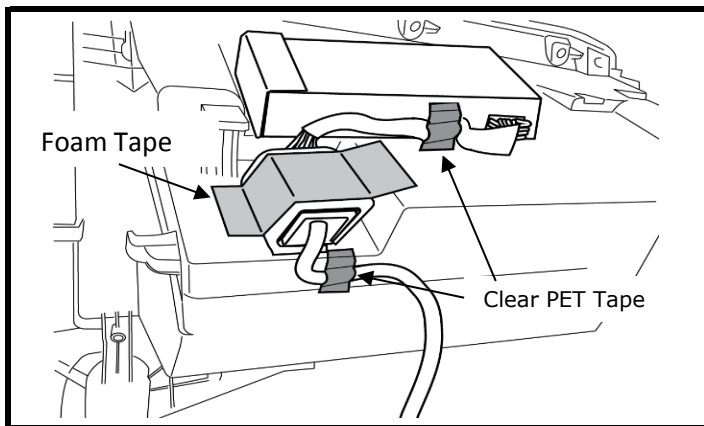
- a) Line up non-antenna side of router even with glove box edges as shown (same location as directed in Step 4.1).



4.8) Routing harness

- a) Plug WiFi Harness to module pigtail inline connector and foam wrap **(E)** entire connection with single sided foam tape, (3.5x1x0.25") (LxWxH inches).

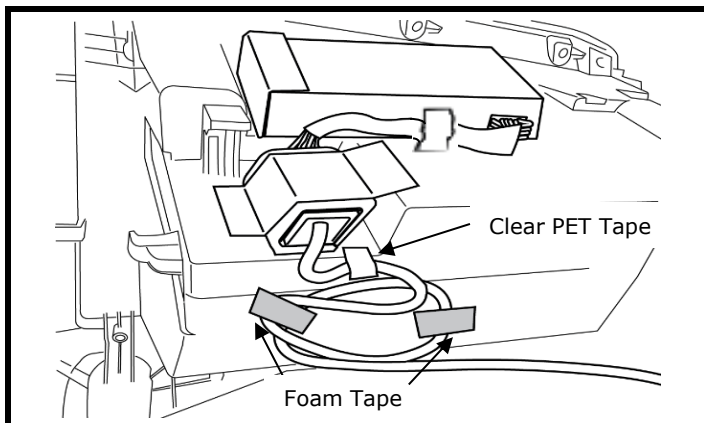
SECTION 4 - INSTALLTION PROCEDURE



4.9) Routing harness

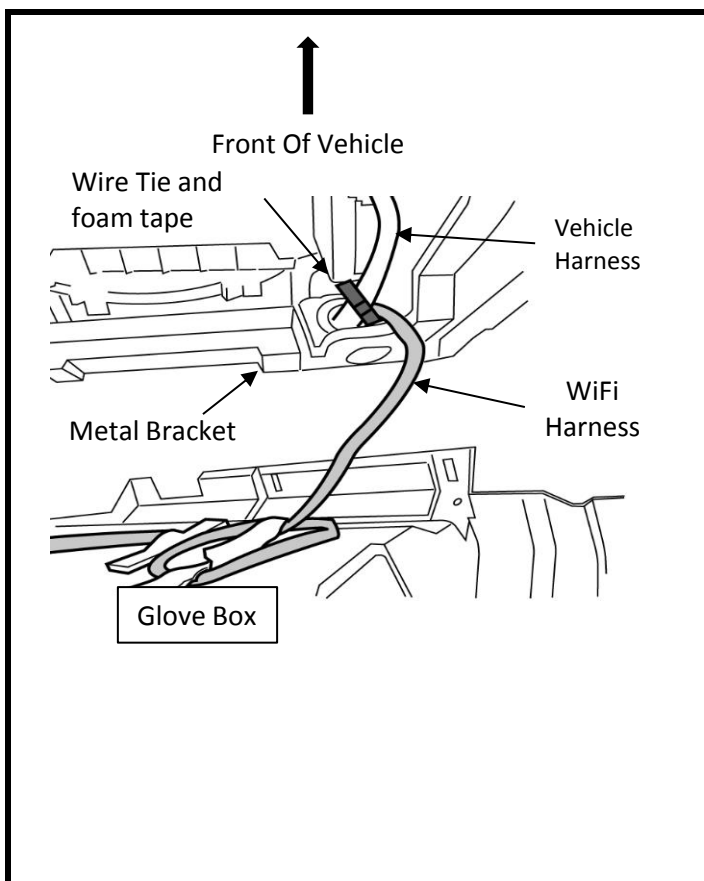
- a) Secure pigtail harness and Wi-Fi harness to glove box using single sided clear **(J)** PET tape, (4x1x0.01") (LxWxH inches) as shown.
- b) Add foam tape **(E)** to secure down the connector between the pigtail harness and Wi-Fi Harness.

NOTE: Adding foam tape also prevents any squeak or rattle.



4.10) Routing harness

- a) Create a service loop in the WiFi harness, for future glovebox removals, and tape using 3 Single sided Foam Tape **(E)**, (1"x3.5"x0.25") (LxWxH inches) and 1 single sided clear PET tape **(J)**, (4x1x0.01") (LxWxH inches) as shown.



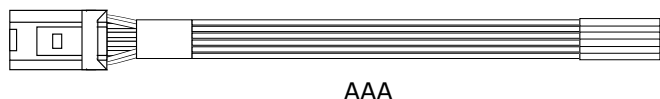
4.11) Route WiFi harness to Passenger side RH D-Opt connector.

- a) Route over the glove box to lower kick trim area as shown. Wire tie **(D)** to vehicle wire Harness. Use additional wire ties, if required.
- b) Foam tape **(E)** the end of the Wi-Fi Harness connecting to the Accessory Service Connector.

! 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**



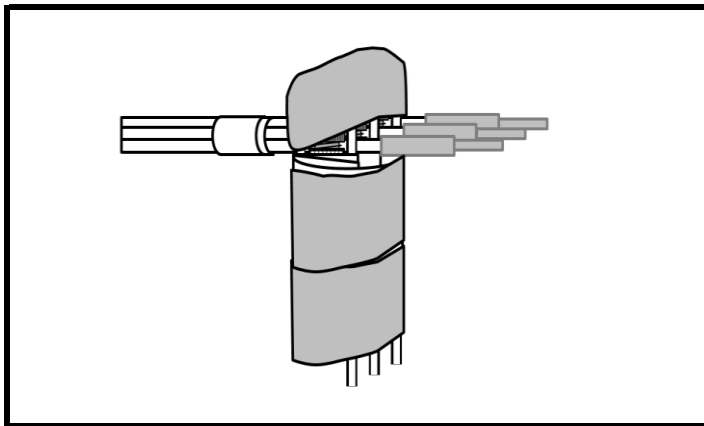
- 5.1) Connect ASC (AAA) to WiFi Module
- a) For detailed directions, see Appendix A - Posi-Tap Procedure.
 - b) Additional circuit information is in Appendix B - Mechanization Drawing.

- 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)

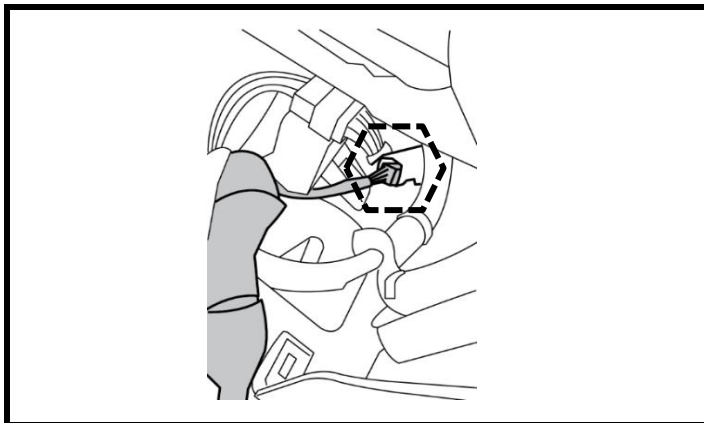


SECTION 5 - ASC CONNECTION



5.3) Connect ASC (AAA) to WiFi Module

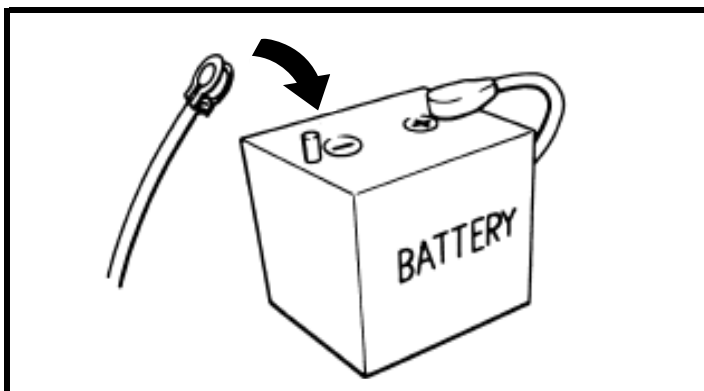
- a) Once the ASC is prepared as described in Appendix A, the Power Harness with ASC attached should look like this.



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 8.

5.6) Electrical function check

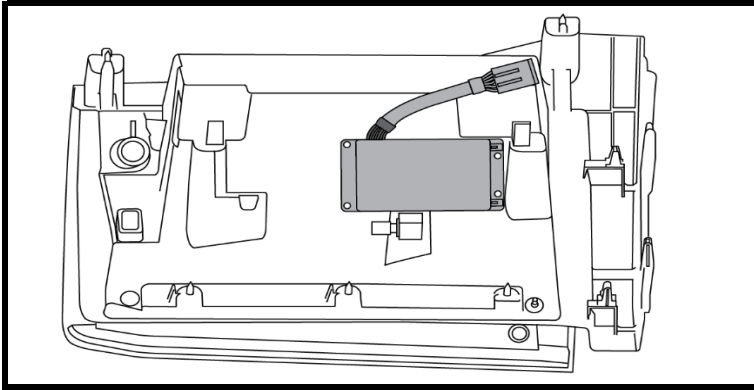
- a) If NG, check fusing, harness routing, connections, and WiFi Module to identify root cause.



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.

SECTION 6 - FINAL TRIM INSTALLATION



6.1) Trim Reinstall

- a) Plug all the lamps, clips & connectors back in prior to reinstalling the glove box.

6.2) Trim Reinstall

- a) Reinstall side dash mask, glove box, side trim, and kick trim.
- b) When re-installing the glovebox screws, apply 0.80 ± 0.40 Nm of torque to tighten screws.

**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 5.4 N-m.
- ☐ Push ignition button until vehicle is in ACC position.
- ☐ Verify re-installed trim parts for proper fit (no gap, waviness, etc.).
- ☐ 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 recorder 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 Wi-Fi Serial number).
 - ☐ Open your browser, the following screen will appear.



Autonet assumes no responsibility for the configurations, security, or data files on your wireless device resulting from connection to Autonet's network. Antivirus, privacy, and security protection is the responsibility of the user.
Autonet Mobile recommends that the driver of this vehicle should not attempt to use this system while driving the vehicle.
Do not operate any function that takes your attention away from safely driving your vehicle. Any function that requires prolonged attention should be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions. Failure to do so may result in an accident.
Copyright © 2008 - 2015 Autonet Mobile, Inc. All Rights Reserved.

- ☐ 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 or the Establishing Link still appears on the display, access the following troubleshooting link:

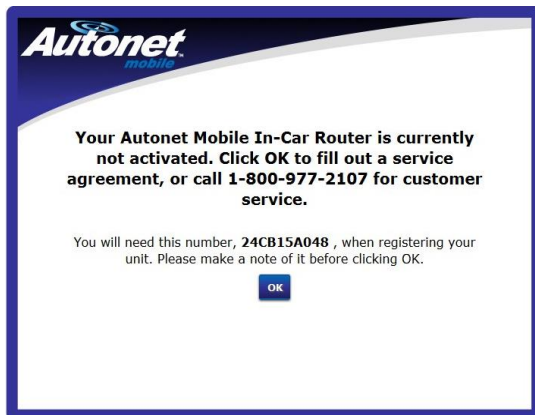
https://autonetmobile.com/nissan/AutonetTroubleshootingSteps_v1.0.1_08012017.pdf



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.

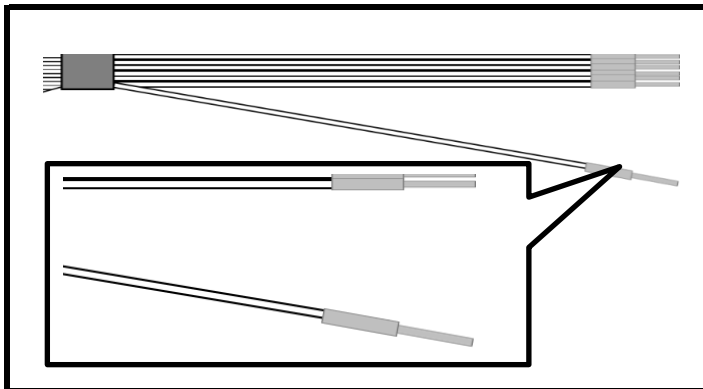


The test verifies data communication via network/telecommunication as indicated by prompting the user to fill out a service agreement.

If the service agreement does not pop up this indicates that the Telecommunications (WiFi/network) failed. Contact Autonet Mobile at 1-800-977-2107

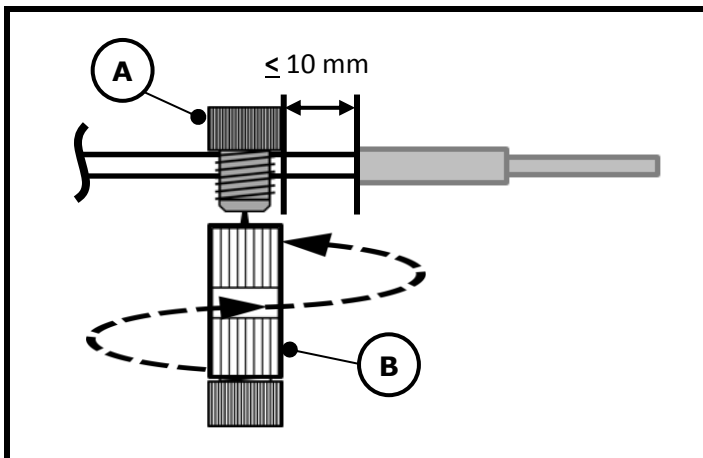
- ☐ Place the Activation Guide, and glove box brochure in the glove box.

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.



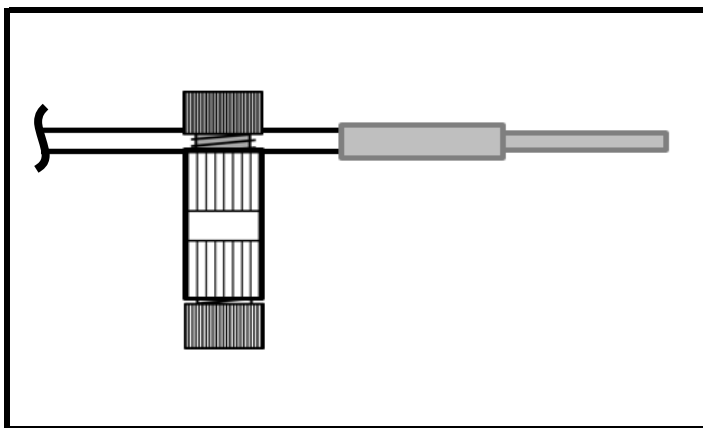
A.2) Installing Posi-Tap™ on ASC (AAA)

- a) Remove pierce cap (A) gray side from tap 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.



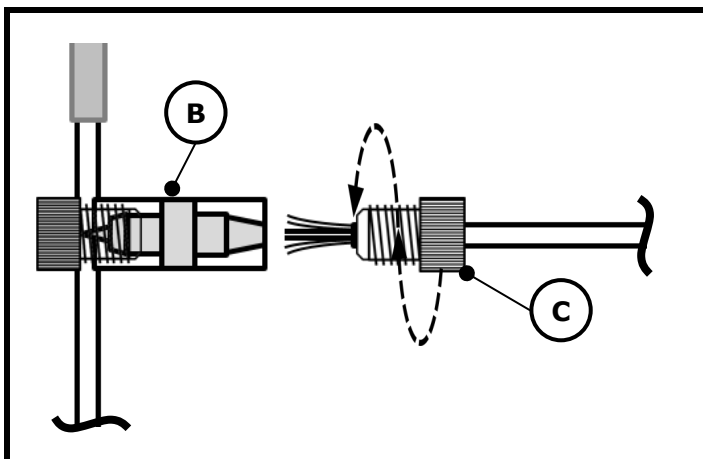
CAUTION

Do not overtighten Posi-Tap, it may damage wire



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

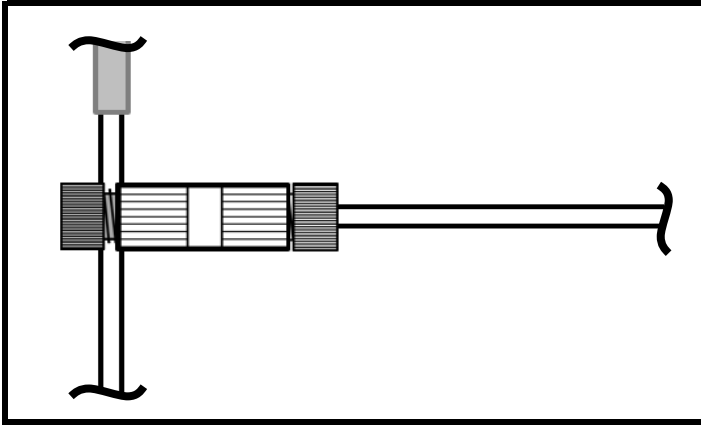
- a) Inspect Posi-Tap™ to ensure correct installation.
- b) Wire jacket should be crushed enough to maintain pressure.
- c) Confirm tap cap gap is straight and evenly spaced around perimeter.



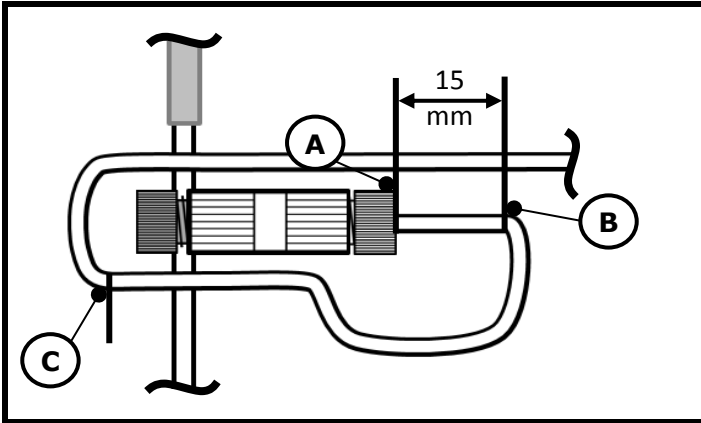
A.4) Installing Accessory wire into Posi-Tap™

- 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.

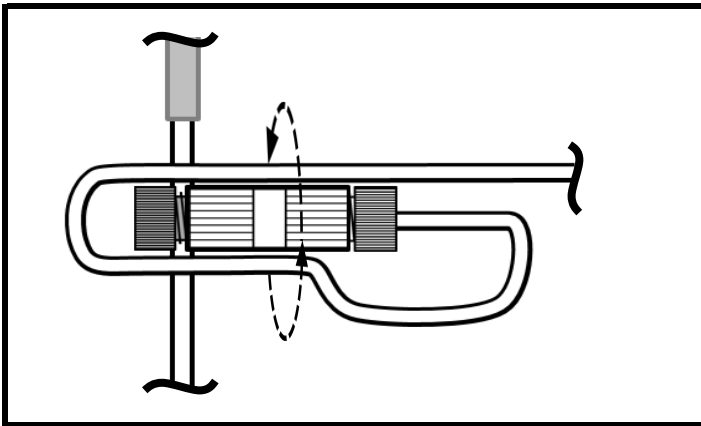
APPENDIX A - POSI-TAP PROCEDURE



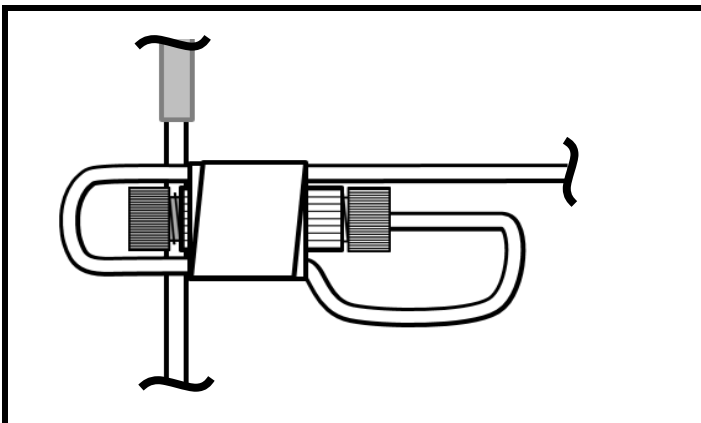
- A.5) Installing accessory wire into Posi-Tap™
- a) Confirm tap bottom gap is straight and evenly spaced around perimeter.
 - b) Gently pull on wire to confirm secure connection.



- 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).



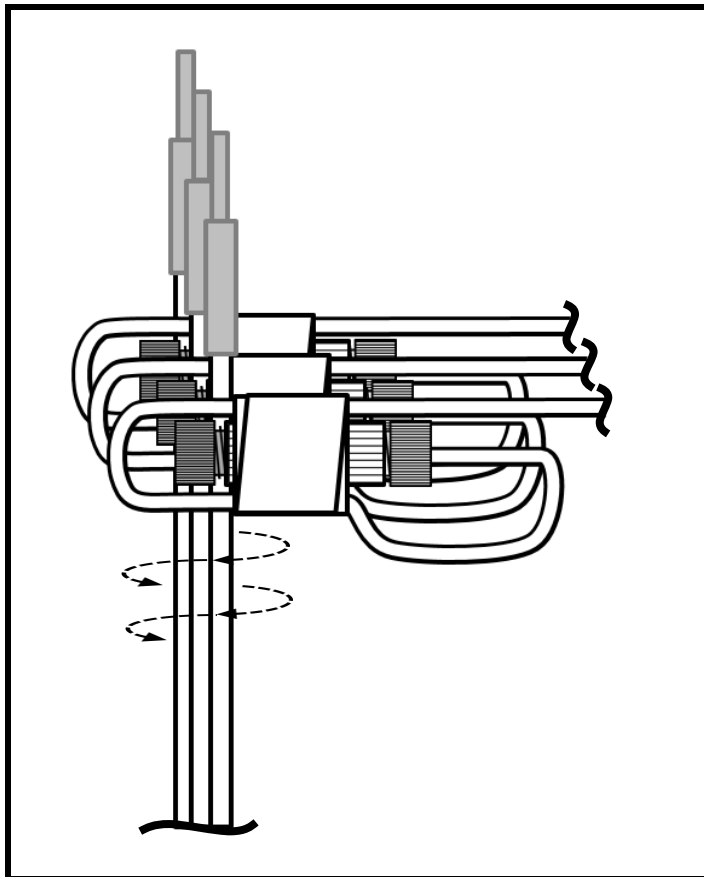
- A.7) Accessory wire strain relief
- a) Secure accessory wire strain relief to tap body with electrical tape (≥ 2 revolutions).



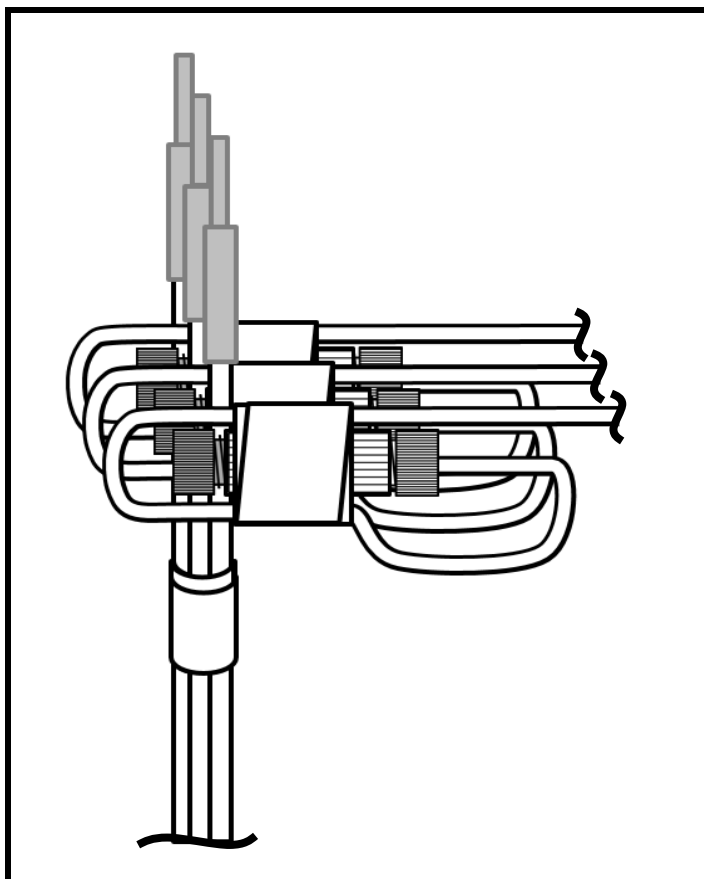
- A.8) Accessory wire strain relief
- a) Once accessory wire strain relief is taped to tap body, it should look as shown.

- 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).

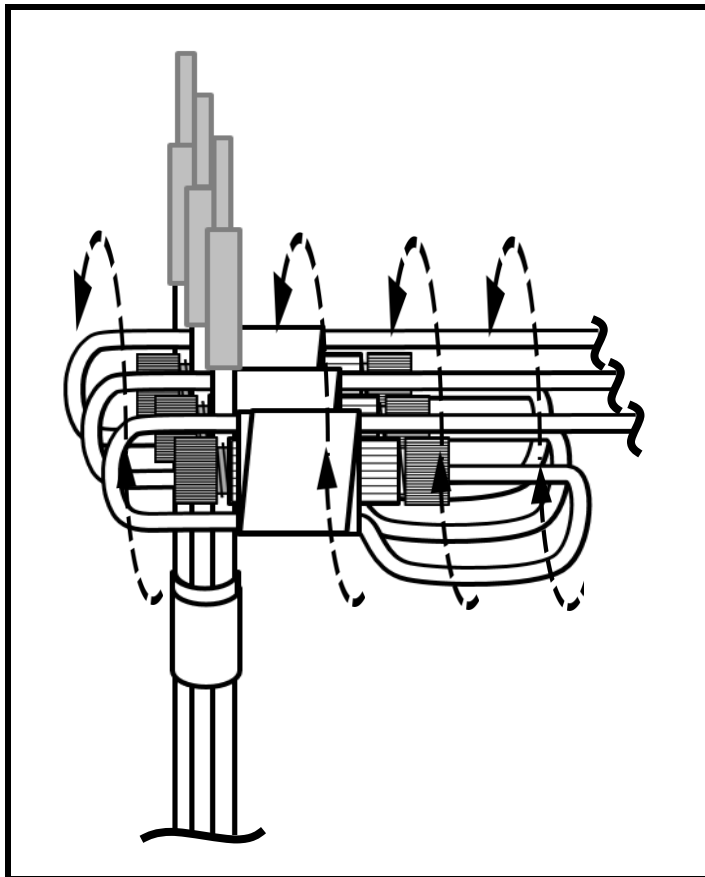


- A.11) Securing multiple Posi-Taps™ together
- a) Once tapped circuits are secured together with electrical tape they should look as shown.

APPENDIX A - POSI-TAP PROCEDURE

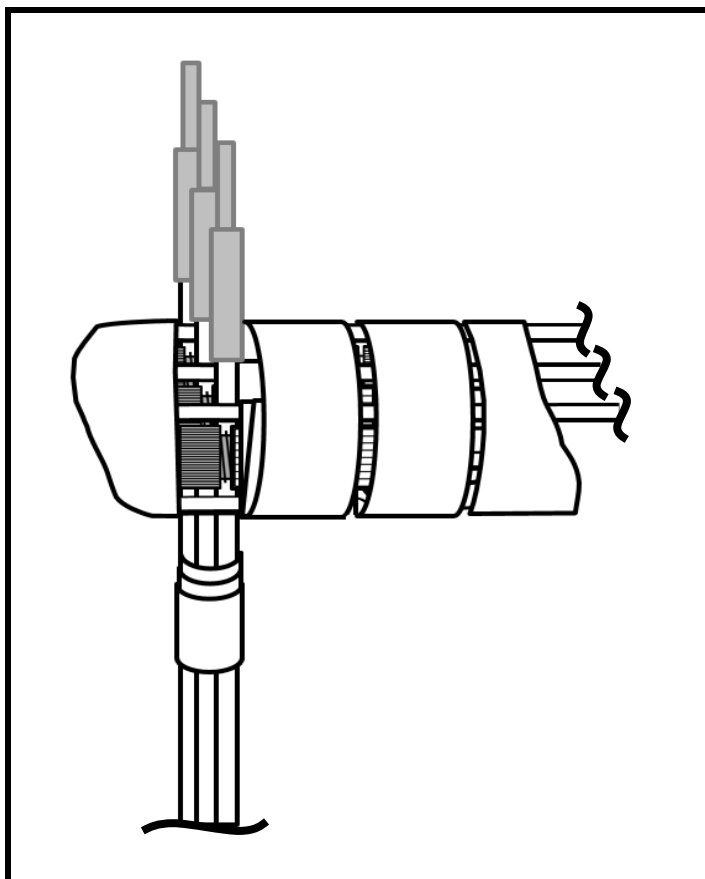
A.12) Securing multiple Posi-Taps™ together

- 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.

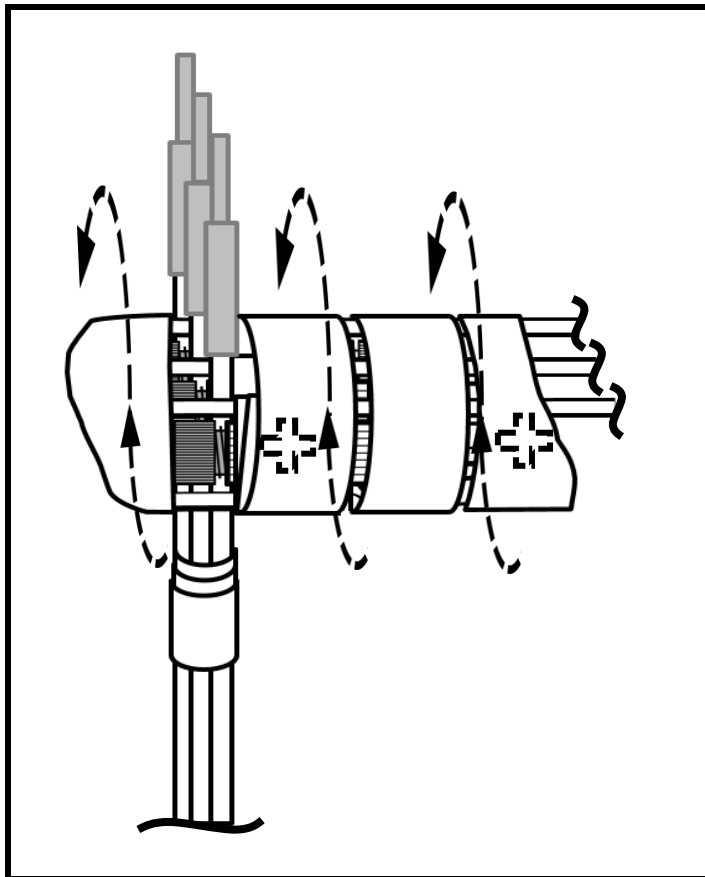


APPENDIX A - POSI-TAP PROCEDURE

A.14) Securing multiple Posi-Taps™ together

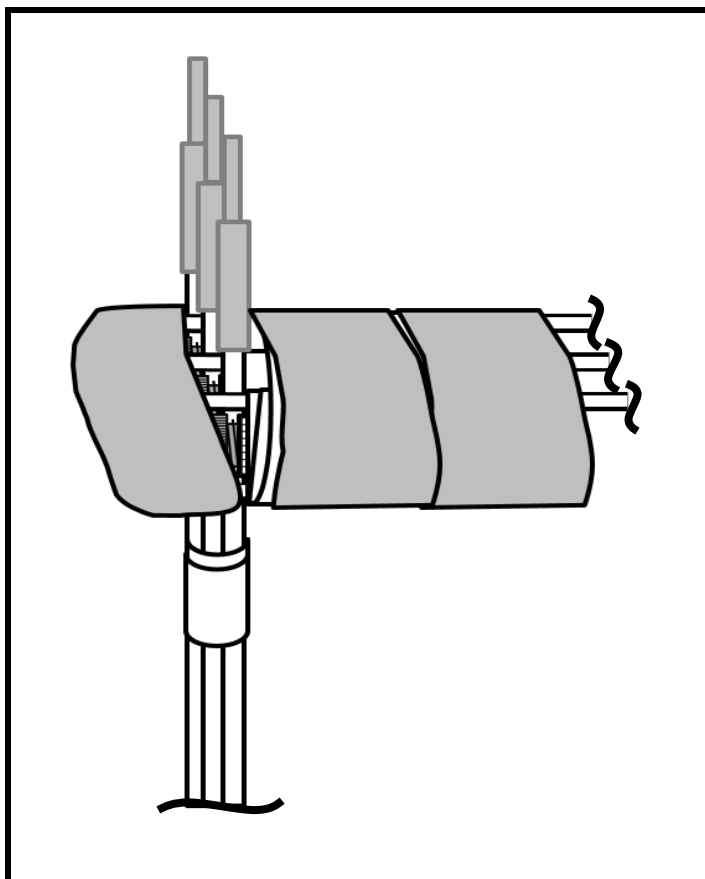
- a) To prevent any possible noise or rattle issues, use two pieces of Foam Tape, to wrap pre-taped Posi-Taps™.

Foam Tape



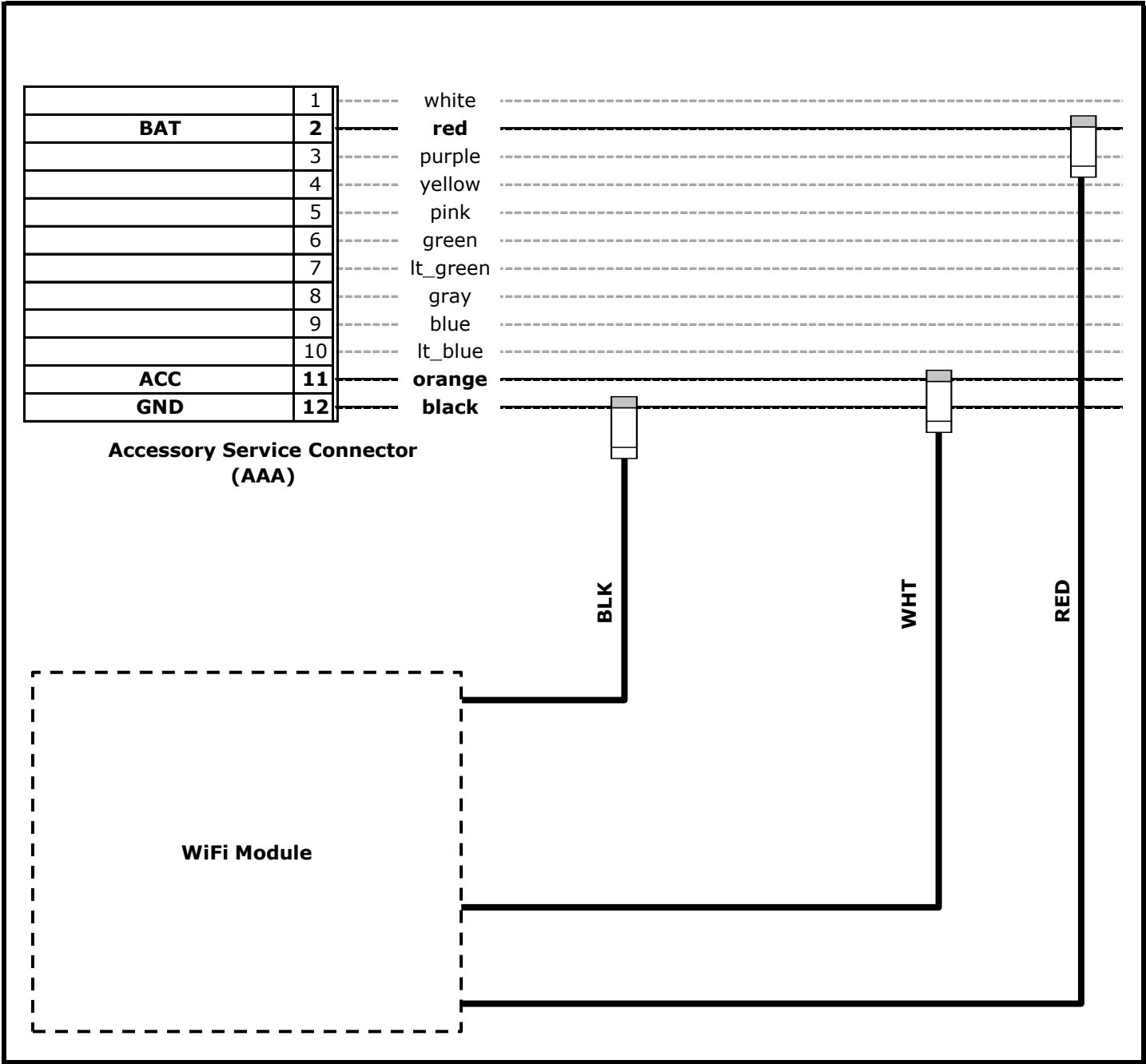
A.15) Securing multiple Posi-Taps™ together



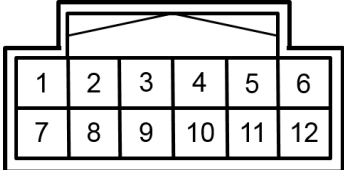
- a) Once wrapped with Foam Tape, taped Posi-Tap™ bundle should look as shown.



APPENDIX B - MECHANIZATION DRAWING

B.1) Figure below applies to the WiFi 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		
UNIT  		Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.	