GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION:	Wi-Fi Router Kit, Infiniti, QX60
APPLICATION:	QX60
PART NUMBER(S)	999Q8 RZ000 (Wi-Fi Kit)
	999Q9-AY000 (Accessory Service Connector) - **Not Included in the 999Q8 RZ000 (Wi-Fi Kit)**

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Wi-Fi Router (TCU) Module Infinity	T98Q8 5DC0A
B	1	TCU Wire Harness, length 1100mm	T98Q8 4RA1A
C	1	Activation Card	
D	8	Cable Ties, 10 inch	
E	8	Single sided foam tape, (3.5x1x0.25") (LxWxH inches)	
F	3	Posi-tap connector	999M1 VT000
G	2	Alcohol Prep Pad	
H	1	Double sided foam tape, (140x70x2 mm) (LxWxH)	
I	5	Single sided clear PET tape, (4x1x0.01") (LxWxH inches),	
J	1	II Replacement Template	999V2 AW000
K	1	Glove Box Brochure	
L	1	Windshield Sticker	

ITEMS NOT IN KIT THAT MAY BE REQUIRED:

AA	1	Accessory Service Connector (NOT INCLUDED IN KIT) **SERVICE PART**	999Q9 AY000

Note: 1 or 2 ASC/s (Accessory Service Connector/s) may already be installed in the vehicle.

TOOLS REQUIRED:

- Wire Cutter
- Nylon Trim Tool
- #2 Phillips Screwdriver
- Tape Measure
- 10mm Socket
- Ratchet
- Flashlight

Vehicle Preparation:

⚠CAUTION

• Always confirm the ignition is in the "OFF" position before changing the switch condition.

1) Apply parking brake
2) Confirm vehicle is not in the default shipping state or "Inventory position" as shown below. Failure to confirm vehicle has been removed from this state will result in loss of normal vehicle operation.
3) Locate Extended Storage Switch in cabin fuse block. Confirm it is in the "Customer" position. See below for reference.

a) To remove transit mode (Fuse Block):
    1. Remove fuse cover lid.
    2. Push down shorting pin.
    3. Ign On 2 times without starting the vehicle.

b) To remove transit mode (BCM):
    1. Confirm ignition switch is in "OFF" position.
    2. Simultaneously push the signal and wiper switch fully down for two (2) seconds.

NOTE: While in BCM Transit Mode, turn signal indicators will remain illuminated for one minute.

Customer PUSH DOWN — CORRECT — CUSTOMER - DOWN

Inventory PULL UP — INCORRECT — INVENTORY - UP
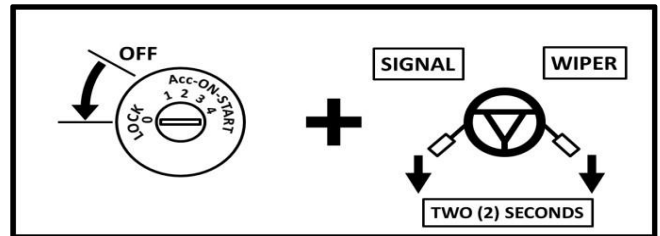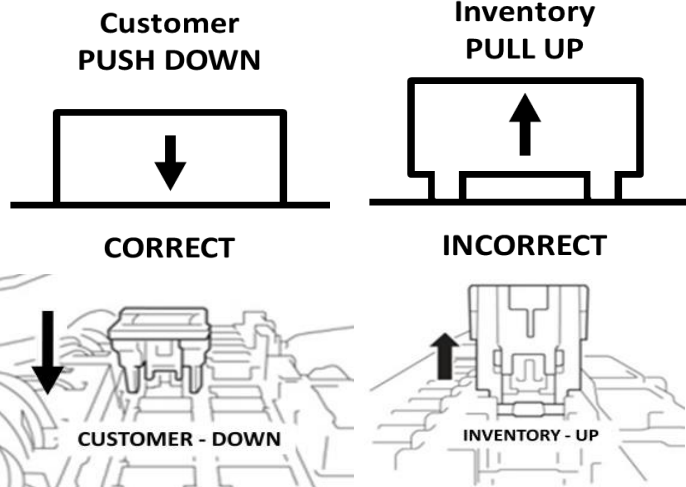
c) To return to transit mode for storage:
    1. Ign Off.
    2. Remove fuse cover lid.
    3. Pull up shorting pin.
    4. Assemble fuse cover lid.
    5. Ign On 2 times without turn the vehicle on.
    6. Confirm transit mode condition on meter

NOTE: Typical vehicle condition shown above. Switch is easily identifiable by the permanent, push-pull fuse holder. Actual position on the fuse block may vary, vehicle to vehicle.

Condition	Switch Position	Note
Vehicle is delivered to the dealer	Inventory Condition	
Technician performs PDI	Customer Delivery	Return to Inventory position after PDI.
Customer test drives the vehicle	Customer Delivery	Return to Inventory position after test drive.
Vehicle is being stored at the dealer	Inventory Condition	
Vehicle is delivered to customer	Customer Delivery	

NOTE: The Extended Storage Switch is only an aid to improve battery life during vehicle storage at the dealer. If the Extended Storage Switch fuse ever needs service after vehicle delivery, discard the Extended Storage Switch and install the correct fuse in its place.

4) Turn ignition switch to "**ON**" position
5) Record the customer radio presets and other presets as required.

Preset	1	2	3	4	5	6		

6) Put shift lever in "**P**" position for A/T and CVT or "1st" for M/T
7) Turn ignition switch to "**OFF**" position
8) Use seat and floor protection.

INSTALLATION PROCEDURE: PRE-INSTALLATION CAUTIONS / NOTES

⚠CAUTION

- **Allow 3 min after key off and doors closed for vehicle to time out. Allow an additional 3 min after negative terminal dis-connect before separating any electrical connectors.**
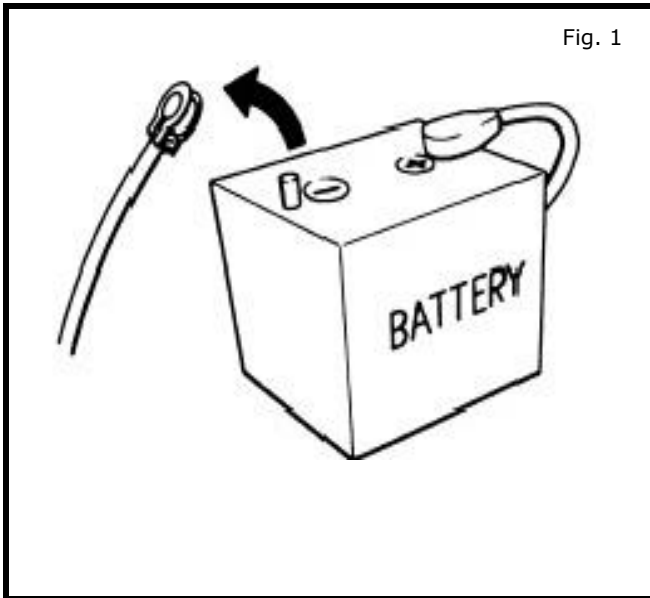

Fig. 1

7) Disconnect the negative battery terminal as shown in Fig. 1.
8) Use seat and floor protection.
9) This part is to be installed at surface temperature of 65-100 deg.F.

⚠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 are not to be reinstalled.**
- **Additional items in cargo area may need to be removed.**
- **Always remove vehicle parts in the sequence they are shown, improper procedure can damage parts.**
- **Store removed parts in a safe and protected manner.**

INSTALLATION OVERVIEW:
1.) SYSTEM

Fig. 2

WIFI TCU
Router

WIFI
Harness

Accessory
Service
Connector
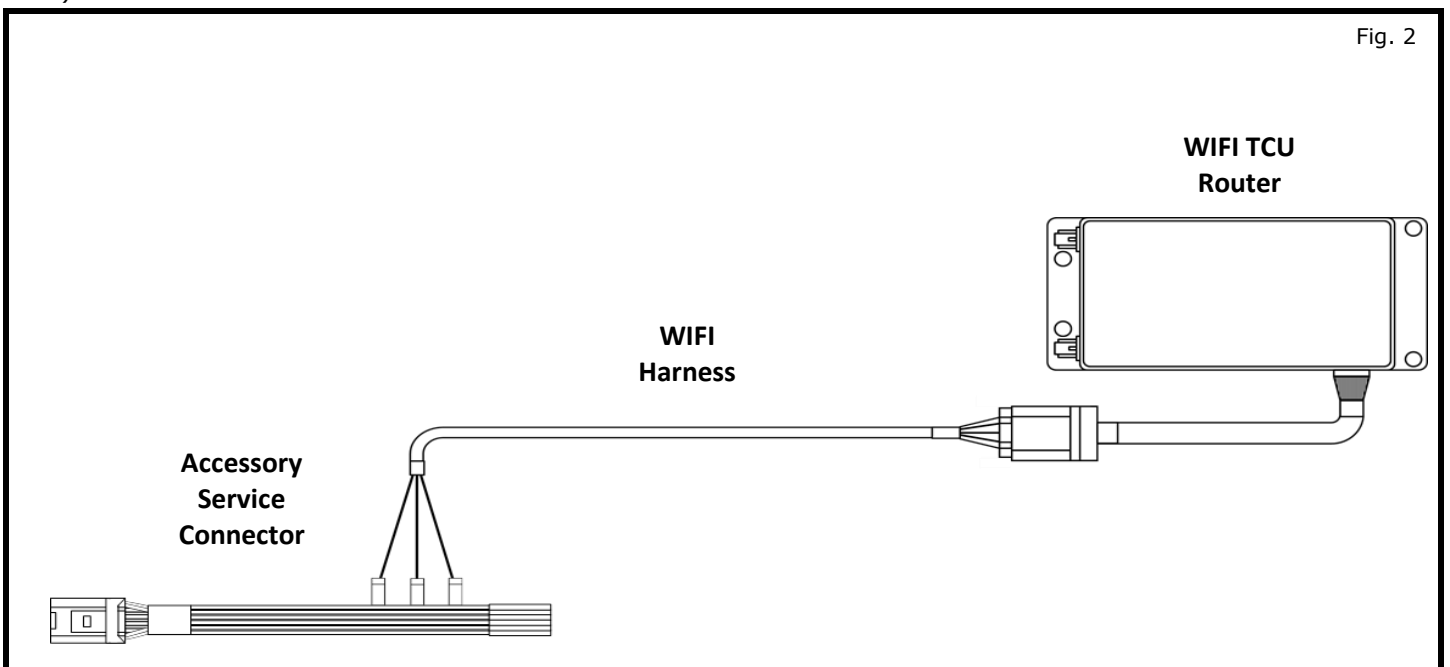
INSTALLATION OVERVIEW:
 2.) VEHICLE

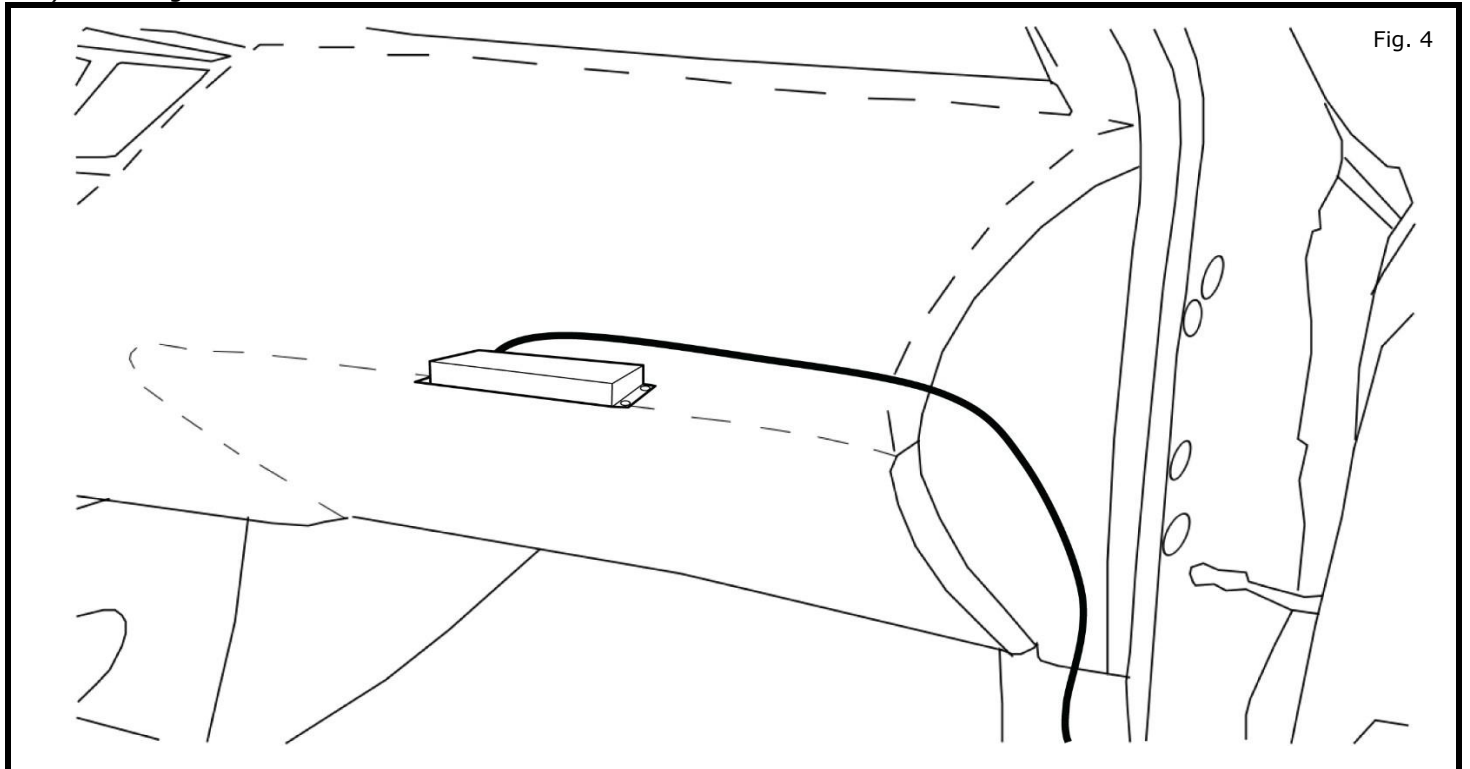Fig. 3

Passenger D-Opt Connector
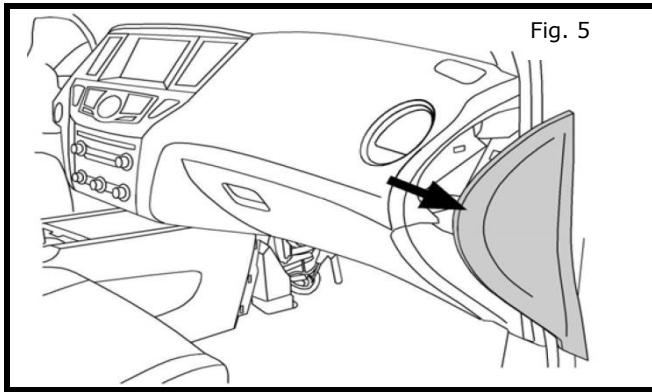
WIFI TCU ROUTER
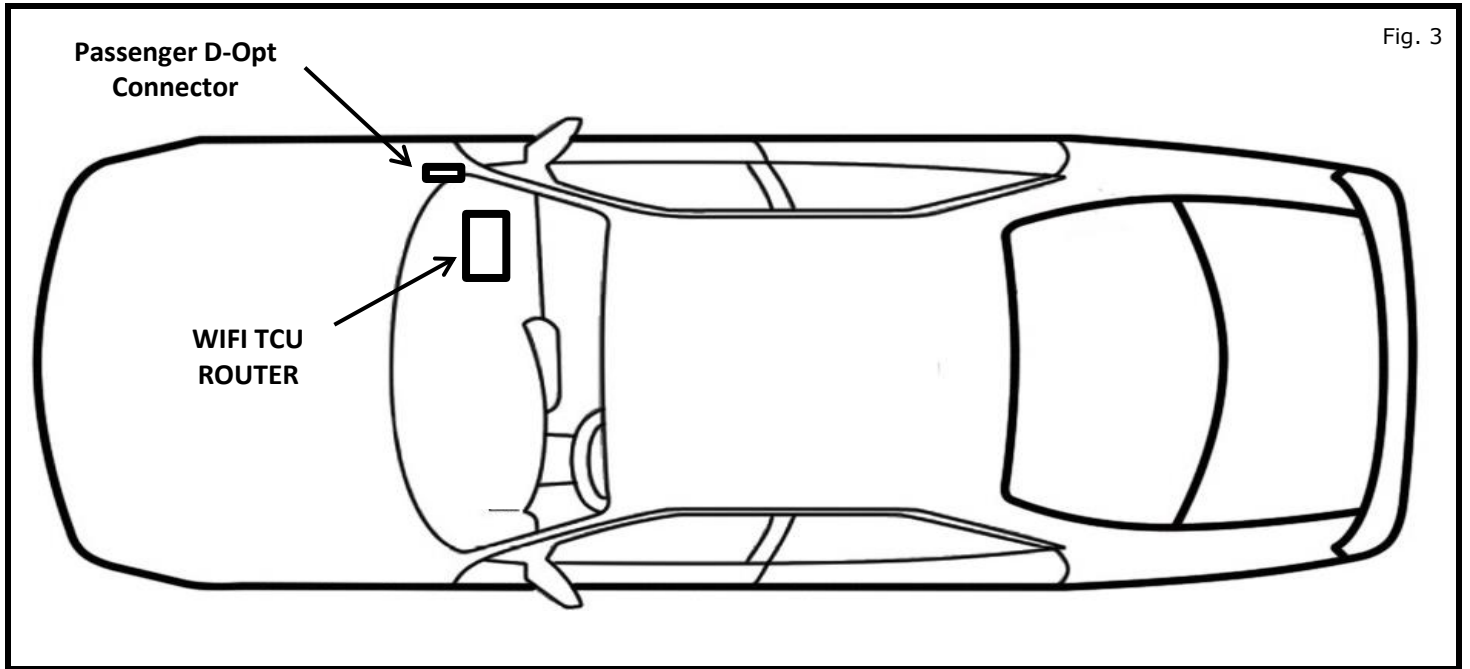
⚠ CAUTION

- **Any description of vehicle wiring color is for reference only.**
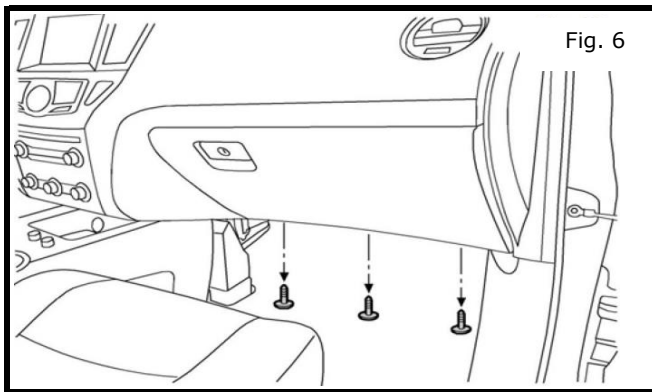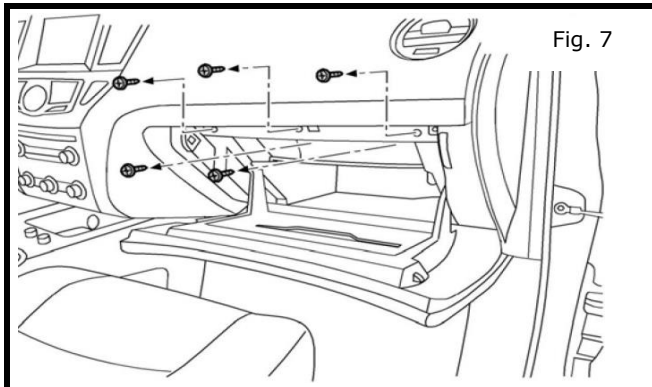- **Always refer to vehicle wiring diagram for details.**

 3) Routing

Fig. 4

**INSTALLATION PROCEDURE: VEHICLE PARTS REMOVAL**

Fig. 5

1) Removing dash mask.
   a) Carefully pry off passenger side dash mask as shown in Fig. 5.

Fig. 6

2) Removing glove box.
   a) Remove three (3) phillips head screws from underside of glove box as shown in Fig. 6.

Fig. 7

3) Removing glove box.
   a) Open glove box door and remove five (5) phillips head screws from inside glove box compartment as shown in Fig. 7.
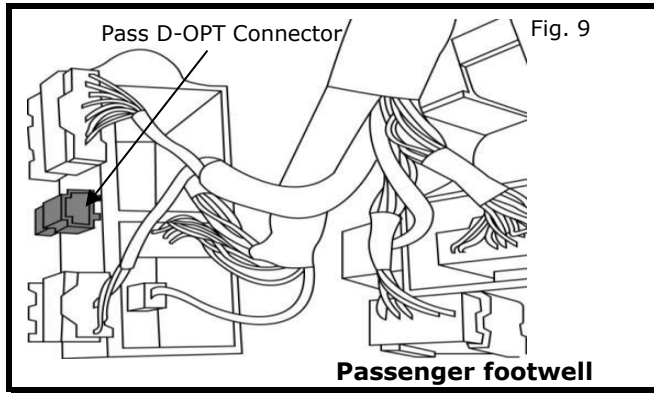

Retaining clip
Fig. 8
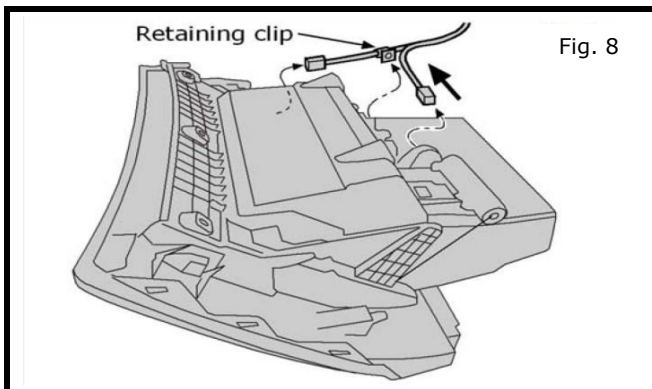
4) Removing glove box.
   a) Carefully pull glove box assembly partially out, then gently detach clip and disconnect glove box lamp as shown in Fig. 8. Once fully removed, set glove box assembly aside.

   NOTE:
   Place glove box on soft, clean surface to avoid damage.

INSTALLATION PROCEDURE: VEHICLE PARTS REMOVAL

Pass D-OPT Connector   Fig. 9

Passenger footwell

Fig. 10

Foam tape

999Q9 AY000			
Pin	Label	Color	
1	BAT	RED	
2	N/A	N/A	
3	ACC	ORANGE	
4	N/A	N/A	
5	BAT_SVR	PINK	
6	DOOR_SW	GRN	
7	THRU_SIGNAL 1	DK BLUE	
8	THRU_SIGNAL 2	LT BLUE	
9	N/A	N/A	
10	RM LMP	YELLOW	
11	N/A	N/A	
12	GND	BLACK	

Fig. 11

Pin location is referenced looking from the harness side of connector.

BAT_SVR

1	3	5	6
7	8	10	12

Fig. 12

BAT SVR

5) Locating Passenger D-Opt Connector.
   a) Locate passenger side D-Opt Connector behind glove box on right side of footwell as shown in Fig. 9.

   Note:
   1.) If there is already an Accessory Service Connector in passenger side read step 6, if not proceed to step 7.
   2.) If there is not an Accessory Service Connector in passenger side remove dummy plug in connector.
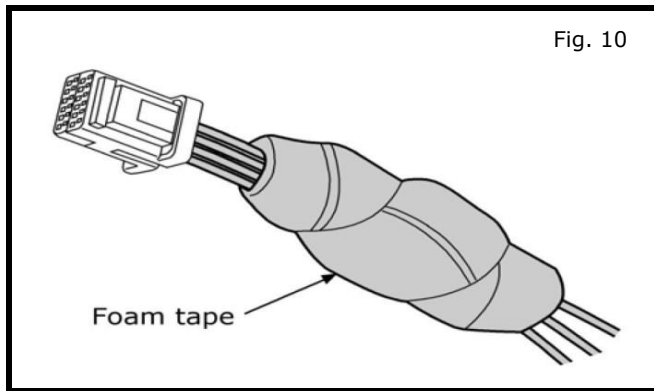
6) Locating Accessory Service Connector.
   a) If there is already an Accessory Service Connector in passenger side remove it before continuing.
   b) Remove any foam tape present before adding any positaps as shown in Fig. 10.

   Note: If there is not an Accessory Service Connector present in the passenger side connector order from service dept.

7) Accessory Service Connector Reference.
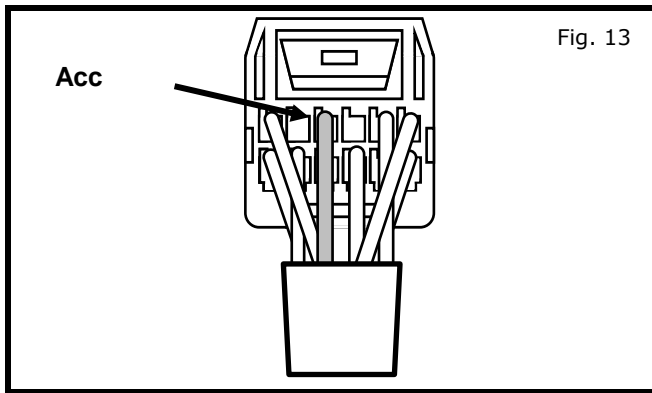   a) Accessory Service Connector pin out is shown in Fig. 11.

   Notes:
   1.) For direction on how to posi-tap refer to steps 11 - 21.
   2.) For additional circuit information refer to the mech drawing at the end of the installation instructions.
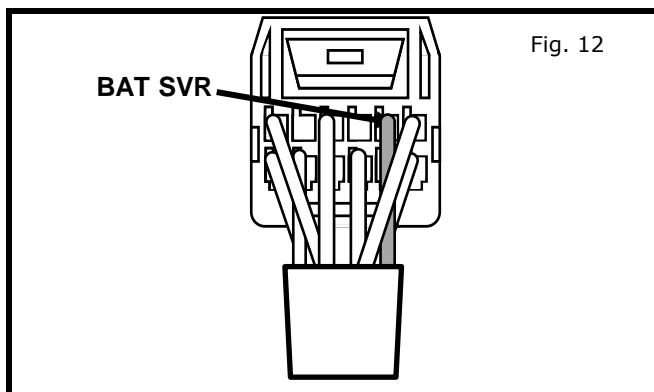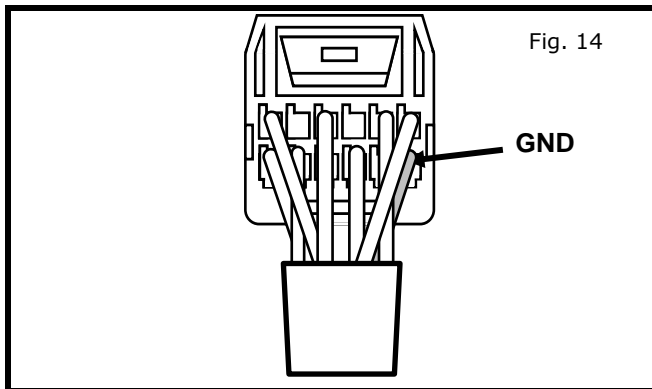
8) Posi-tap B+
   a) Tap **Red** wire on WiFi TCU Module harness to the Pink (BAT_SVR) wire on Accessory Service Connector as shown in Fig. 12.

## INSTALLATION PROCEDURE: POSI-TAP

Fig. 13

Acc

9) Posi-tap ACC
   a) Tap **White** wire on WiFi TCU module harness to **Orange** (Acc) wire on Accessory Service Connector as shown in Fig. 13.
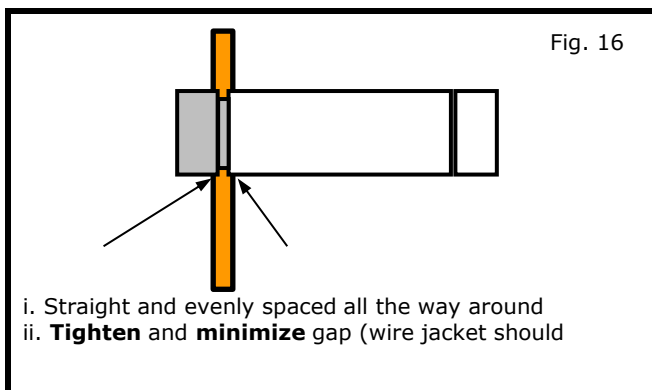
Fig. 14

GND

10) Posi-tap GND
   a) Tap **Black** wire on WiFi TCU Module harness to the Black (Gnd) wire on the Accessory Service Connector as shown in Fig. 14.

NOTE: Figures are not to scale.

Fig. 15

6.35mm

d)

c)

e)

b)

Accessory Service Connector
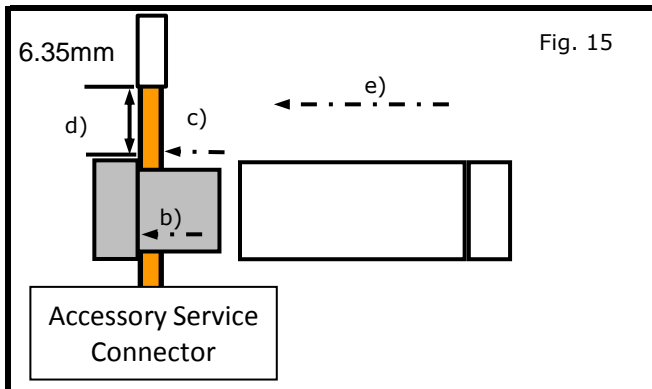
11) Posi-tapping an Accessory service wire (Fig. 15)
   a) Identify and confirm correct wire in Accessory Service Connector to be tapped.
   b) Remove cap (slot side) from tap body.
   c) Slide cap around single accessory wire.
   d) Position cap $\geq$ 6.35mm(0.25in) away from heat shrink end of Accessory Service Connector (measurement for first posi-tap installed on circuit).
   e) Tighten tap **TIGHT** with finger pressure.
   f) Tighten by another quarter turn.

Fig. 16

i. Straight and evenly spaced all the way around
ii. **Tighten** and **minimize** gap (wire jacket should

12) Inspecting tap for correct installation (Fig. 16).
   a) Pull on wire lightly to ensure connection.
   b) Inspect tap to ensure correct installation.
   c) Test signal to ensure that it is working properly.

**NOTE:** Avoid putting pressure on the vehicle wire and tap for the remainder of the installation.

INSTALLATION PROCEDURE: POSI-TAP

Fig. 17

e) Insert wire to here

c)

a)

d)

f) Tighten
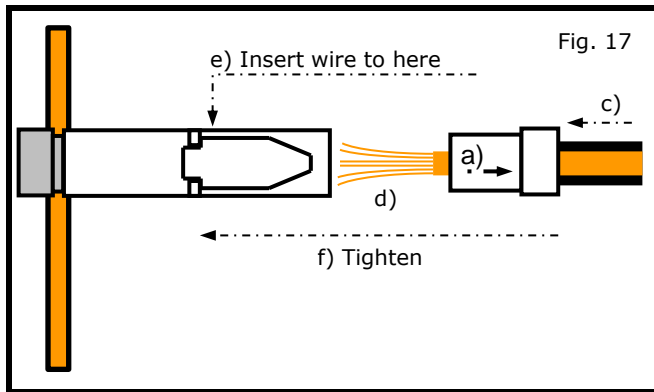
13) Tap accessory wire (Fig. 17).
   a) Remove tap (non-pierce) side from tap.
   b) Remove protective stub from wire.
   c) Insert wire through non-pierce side opening.
   d) Spread individual strands into fan shape.
   e) Insert wire into the tap body and ensure that it is all the way in.
   f) Tighten tap **<u>TIGHT</u>** with finger pressure.
   g) Tighten by another quarter turn.

Fig. 18

i. Straight and evenly spaced all around
ii. Tight and no gap
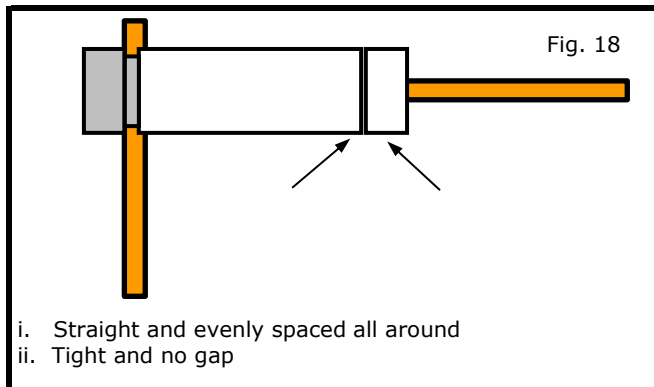
14) Confirm tapped accessory wire.
   a) Pull on wire lightly to ensure connection.
   b) Inspect tap to ensure correct installation as shown in Fig. 18.

a)

Fig. 19

b1)

b2)

50.8mm

c)

b3) Accessory Harness
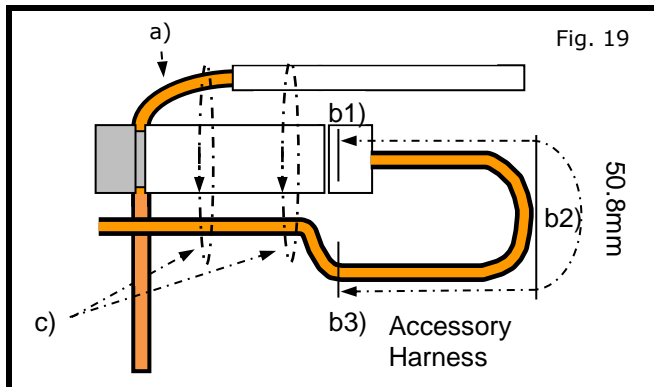
15) Forming strain relief loop - required (Fig. 19).
   a) Gently bend end of pierced wire (where it exits cap) down towards body of posi-tap.

   b) On tapped wire of the non-pierce side; starting at point b1), measure 50.8mm(2in) to point b3). Make first bend of loop b2), half distance measured 25.4mm(1in), and up toward body of the posi-tap, make second bend of loop b3).

   c) Secure pierced wire on heat shrink side and tapped wire on non-pierce side to body of tap with electrical tape (≥ 2 revolutions).

a)

Fig. 20

6.35mm

6.35mm

b)

c)
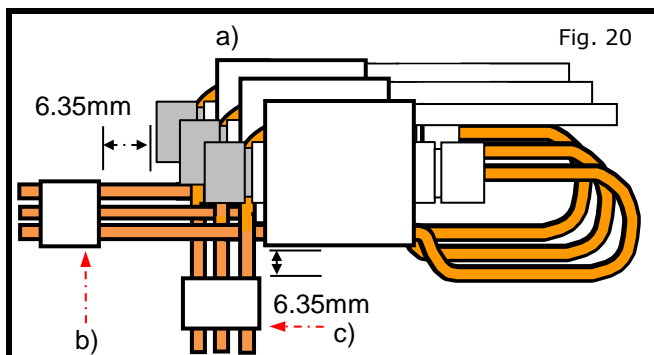
16) Securing multiple accessory taps (Fig. 20).
   a) The tapped accessories (wires already secured to tap bodies)are stacked slightly staggered on top of each other as shown in Fig a).

   b) Tapped wires on non-pierce side of all the posi-taps are secured to each other with electrical tape (≥ 2 revolutions)at a distance of ≥6.35mm(0.25in) as shown in Fig b).

   c) Pierced wires of first and subsequent posi-taps are secured to each other with electrical tape (≥ 2 revolutions)at a distance of ≥6.35mm(0.25in) as shown in Fig c).

INSTALLATION PROCEDURE: POSI-TAP
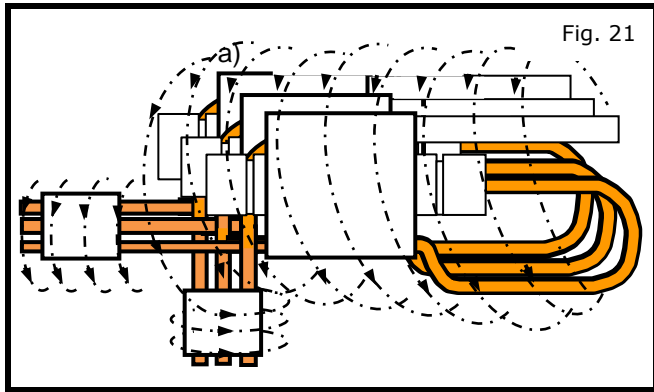
Fig. 21

17) Pre- foam protective wrap
   a) Starting at heat shrink; firmly wrap posit-tap bundle with electrical tape, making sure to overlap previous revolution as shown in Fig. 21.

   Note: If using a non adhesive tape to wrap the bundle, secure at both ends with ≥ 2 revolutions adnesive electrical tape.
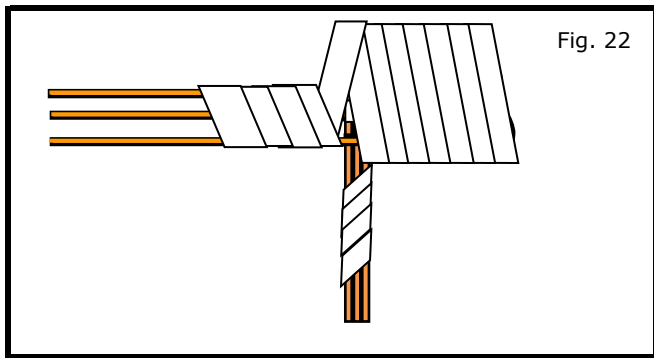
Fig. 22

18) Finished protective wrap
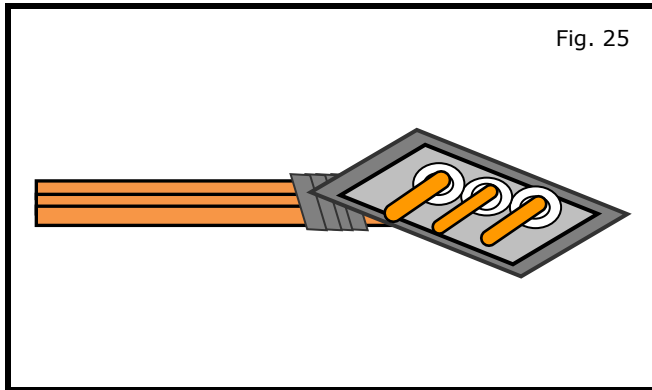   a) Make sure finished wrap looks similar to Fig. 22.
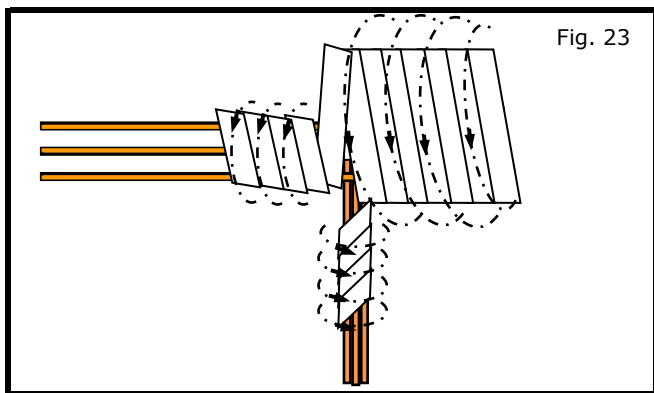
Fig. 23

19) Foam wrap for posi-tap bundle (foam strips)
   a) Wrap posi-tap bundle with foam tape, following a pattern similar to electrical tape, making best use of foam strips provided as shown in Fig. 23.
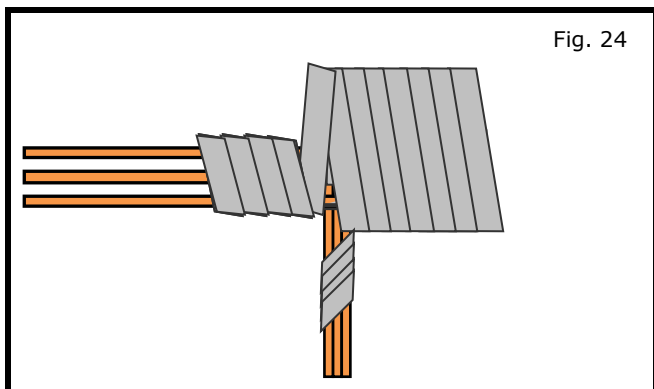
Fig. 24

20) Finished foam wrap for bundle (strips-top view)
   a) Make sure finished wrap looks similar to Fig. 24.

999Q8 RZ000 II 8/24/2016
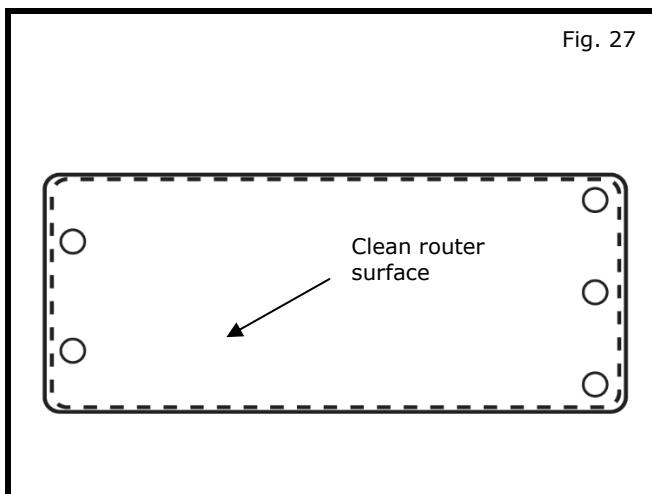
INSTALLATION PROCEDURE: POSI-TAP

Fig. 25

21) Finished foam wrap for bundle (strips-side view)
   a) Make sure finished wrap looks similar to what is shown in Fig. 25.

⚠CAUTION

This Accessory Service Connector is for use only with Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories. Use of this connector with non Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories or failure to follow the installation instructions for the connector contained in this package may result in damage to the accessory and/or your vehicle. Nissan (or Infiniti) is not liable for loss or damage due to improper installation or the installation of non Genuine or non approved accessories.
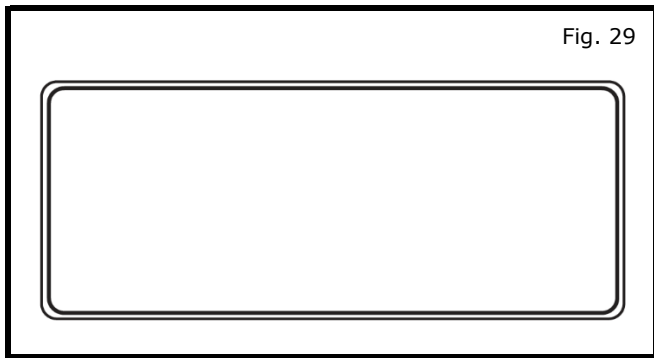
Fig. 26
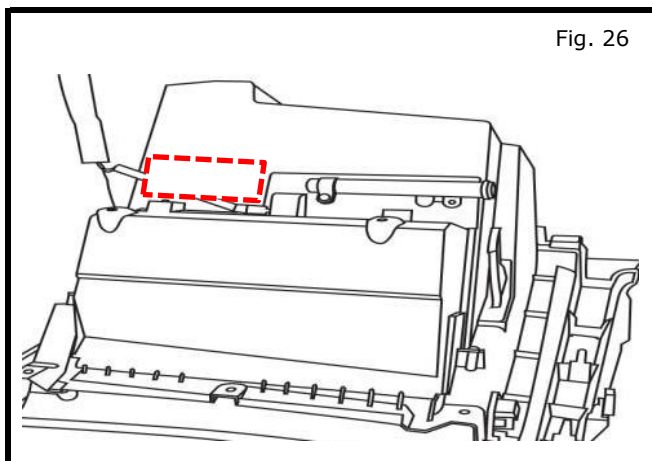
24) Prepping surface for mounting WiFi router.
   a) Clean glove box installation surface and WiFi base plate with an alcohol wipe.
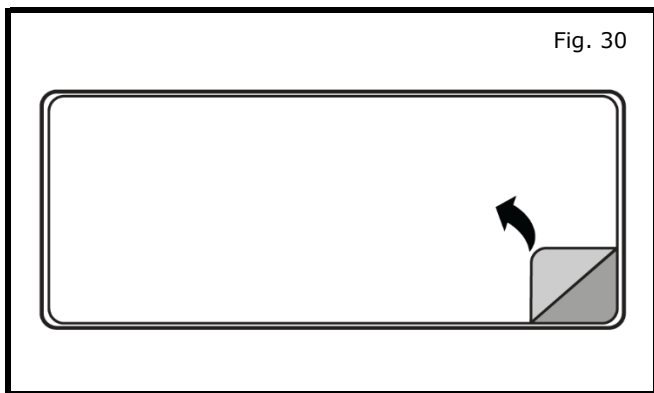   Figures 26 & 27

Fig. 27

Clean router surface

INSTALLATION PROCEDURE: WIFI MODULE
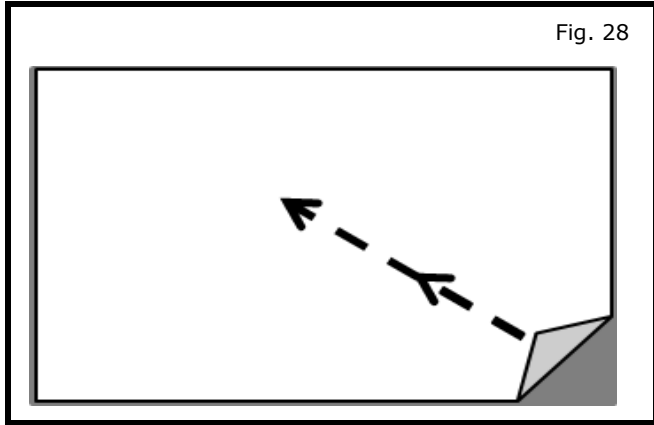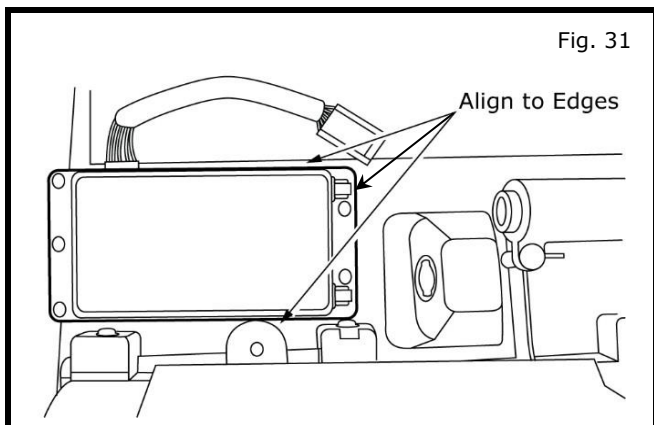
Fig. 28

25) Router Installation
   a) Peel tape liner off adhesive square as shown in Fig. 28.

Fig. 29

26) Router Installation
   a) Apply the double sided foam tape (140x70x6.4 mm) to the base plate of the Wi-Fi router as shown in Fig. 29.

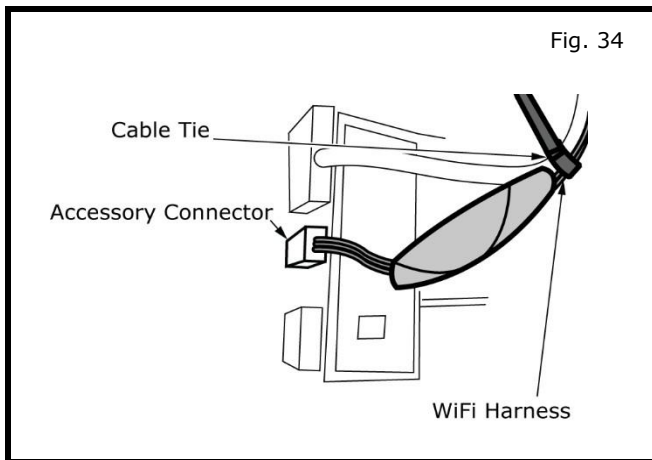Fig. 30

27) Router Installation
   a) Peel tape liner from foam pad on router as shown in Fig. 30.

Fig. 31

Align to Edges

28) Installing the Wi-Fi Router
   a) Align Wi-Fi router to edges of the glove box and to edge of insulation.
   Press WiFi router to glove box with 15lbs min. pressure. Figure 31

999Q8 RZ000 II 8/24/2016

INSTALLATION PROCEDURE: WIFI MODULE


Fig. 32

PET Clear Tape
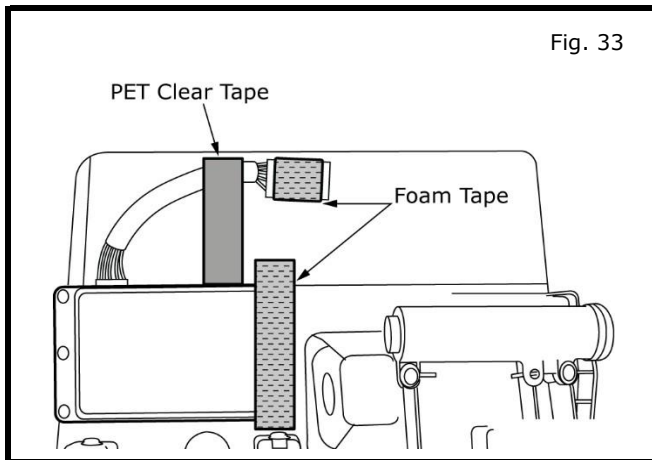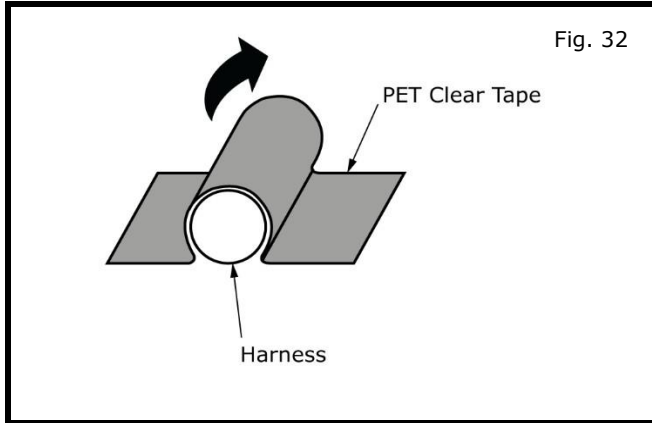
Harness

NOTE:
When taping PET clear tape to glove box, ensure it is wrapped up and over harness as shown in illustration.

Fig. 33

PET Clear Tape

Foam Tape

29) Wrap male connector in foam tape and secure to top of glove box with PET clear tape as shown. Add Foam tape over antennas.

Fig. 34

Cable Tie

Accessory Connector

WiFi Harness

30) Connect Accessory Service Connector to Passenger D-OPT Connector.

Cable tie WiFi harness near positap bundle.

INSTALLATION PROCEDURE: WIFI MODULE

Fig. 35

Metal Brackets

WiFi Harness

Cable Ties
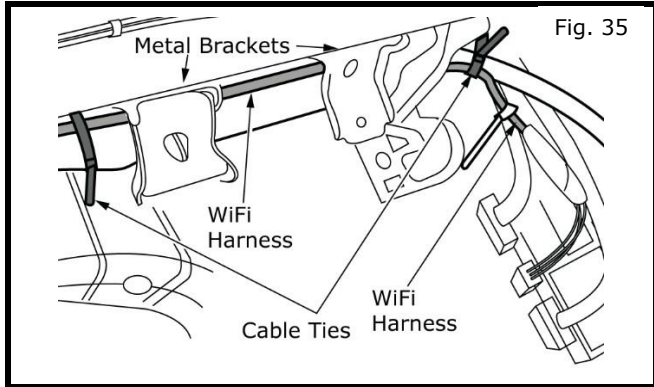
WiFi Harness

31) Router Installation
   a) Route WiFi harness up and behind metal brackets and run WiFi harness along vehicle harness as shown.

   b) Cable tie harness in two places as shown.

   NOTE:
   Metal brackets are sharp.

Fig. 36

WiFi Harness

Vehicle Harness

Glove Box Bracket
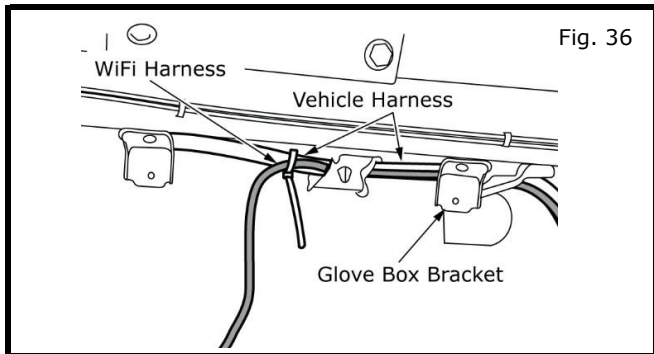
32) Length of WiFi harness should be 590mm from last cable tie to start of WiFi harness connector. Measurement for Service Loop preparation in Step 34.

Fig. 37

PET Clear Tape
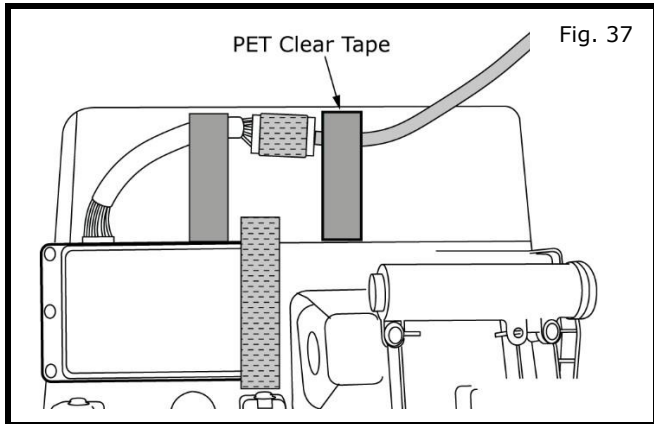
33) Attach WiFi harness connector to WiFi module and secure harness to glove box with PET tape as shown.

Fig. 38

Foam Tape
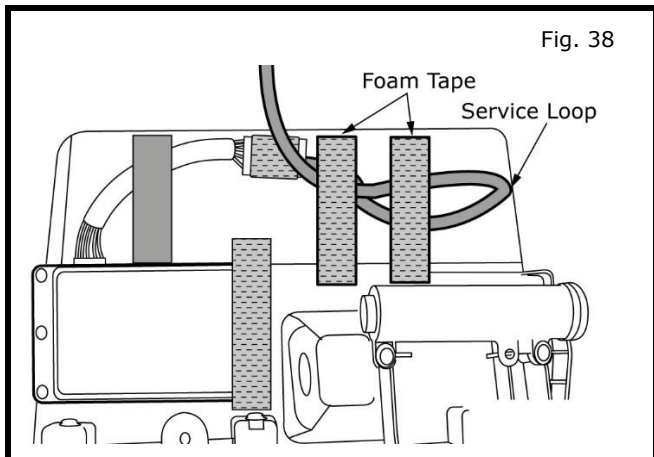
Service Loop

34) Service Loop
   Make service loop and tape to top of glove box as shown with 2 pieces of foam tape.

35) Final Inspection
   a) Proceed to final inspection page 15 and complete work sheet.
   b) Go to sheet 16 and 17 and complete WiFi router test.

INSTALLATION PROCEDURE: WIFI MODULE

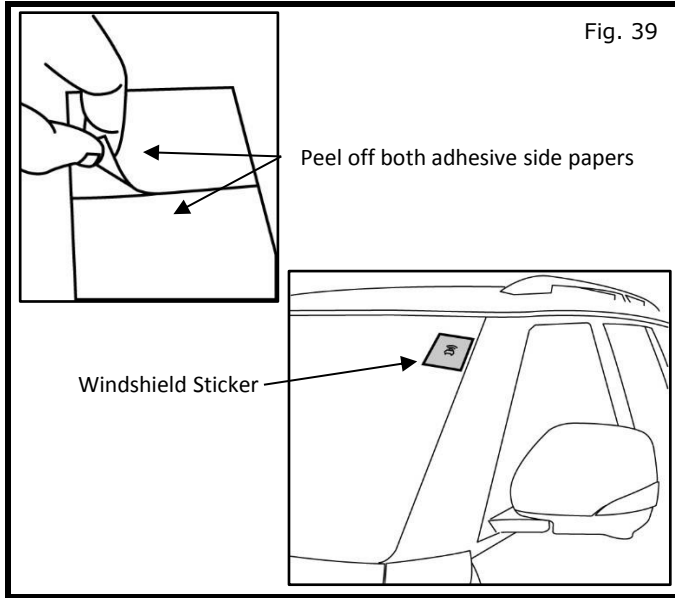Fig. 39

Peel off both adhesive side papers

Windshield Sticker

36) Window Sticker Placement (Optional)

   a) Peel off adhesive side paper from sticker and place it on top left corner (Driver side front) of windshield from inside of vehicle with adhesive side facing outside, as shown in Fig. 39

INSTALLATION PROCEDURE: WIFI MODULE

FINAL INSPECTION:

⚠️**CAUTION**
Use caution when re-installing interior components to avoid damage, scratches, or breaking of mounting clips. Refer to the vehicle service manual for more information.

☐ Inspect the installation area for any debris.

☐ Make sure all trim clips are in their retainers and gently press the trim panels into place.

☐ Verify re-installed trim parts for proper flush fit (no gap, no waviness, etc.).

☐ Verify all clips are fully engaged and locked.

☐ Verify re-installed trim parts are free from cracks, scratches or stress marks.

☐ Verify vehicle headliner, seat, steering wheel, center console, floor carpets, etc. are not soiled.

☐ Verify interior and exterior is not damaged.

☐ Connect the battery negative terminal and tighten the nut to 5.4 N-m (47.8 lb-in).

☐ Turn ignition switch to "OFF". Wait 10 seconds, then switch to "ON".

☐ Turn ignition switch to "ON" and confirm proper operation of vehicle systems and verify:

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

    ☐ Note Accessory Service Connector in Passenger footwell.

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

    ☐ 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.

    ☐ Power Back Door (If equipped). - Turn on the car, push and note if trunk opens.

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

    ☐ Start vehicle. Note whether vehicle starts.

☐ Front Sonar Module Connector - Turn on vehicle, put vehicle in 'Drive'. Move slowly towards a large object in front of the vehicle. Note whether alarm sounds.

☐ Rear Sonar Module Connector - Turn on vehicle, put vehicle in 'Reverse'. Move slowly towards a large object behind the vehicle. Note whether alarm sounds.

☐ Place the Owner Manual, Quick Reference Guide, and/or other Manual in the glove box.

☐ Place WiFi sticker to driver side front windshield (if required)

999Q8 RZ000 II 8/24/2016

FINAL INSPECTION: CHECK OUT

☐ Turn your car to the ACC position to power up the WiFi module. Wait 3 minutes.

☐ 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).

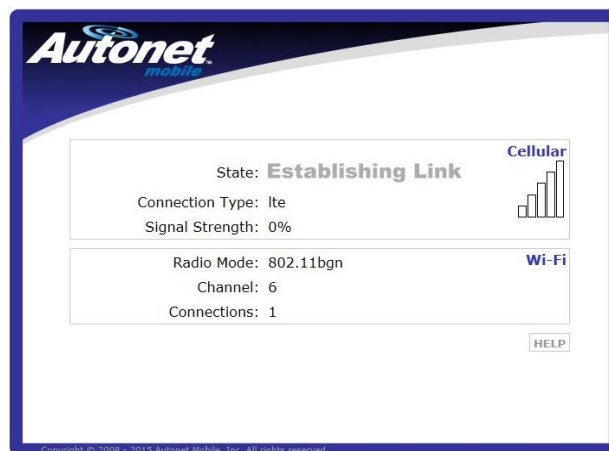☐ Open your browser the following screen appears.

☐ 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.
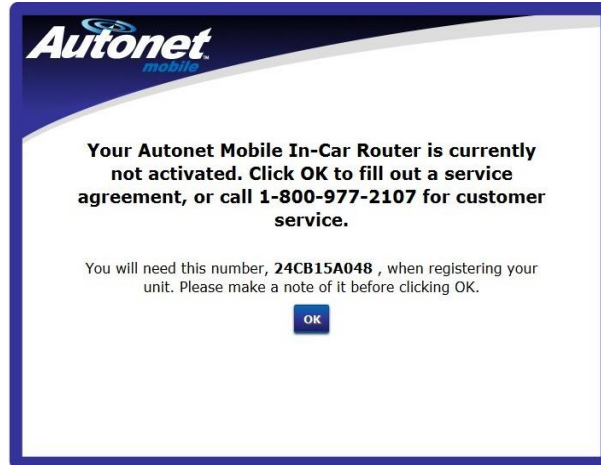

If you are unable to see the "Autonet-XXXX" in your wireless network list verify power is present to the WiFi module. If power is present and module still does not appear on the wireless network list call Autonet Mobile at 1-800-977-2107

FINAL INSPECTION: CHECK OUT

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

Autonet *mobile*

Your Autonet Mobile In-Car Router is currently not activated. Click OK to fill out a service agreement, or call 1-800-977-2107 for customer service.

You will need this number, **24CB15A048** , when registering your unit. Please make a note of it before clicking OK.

OK

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

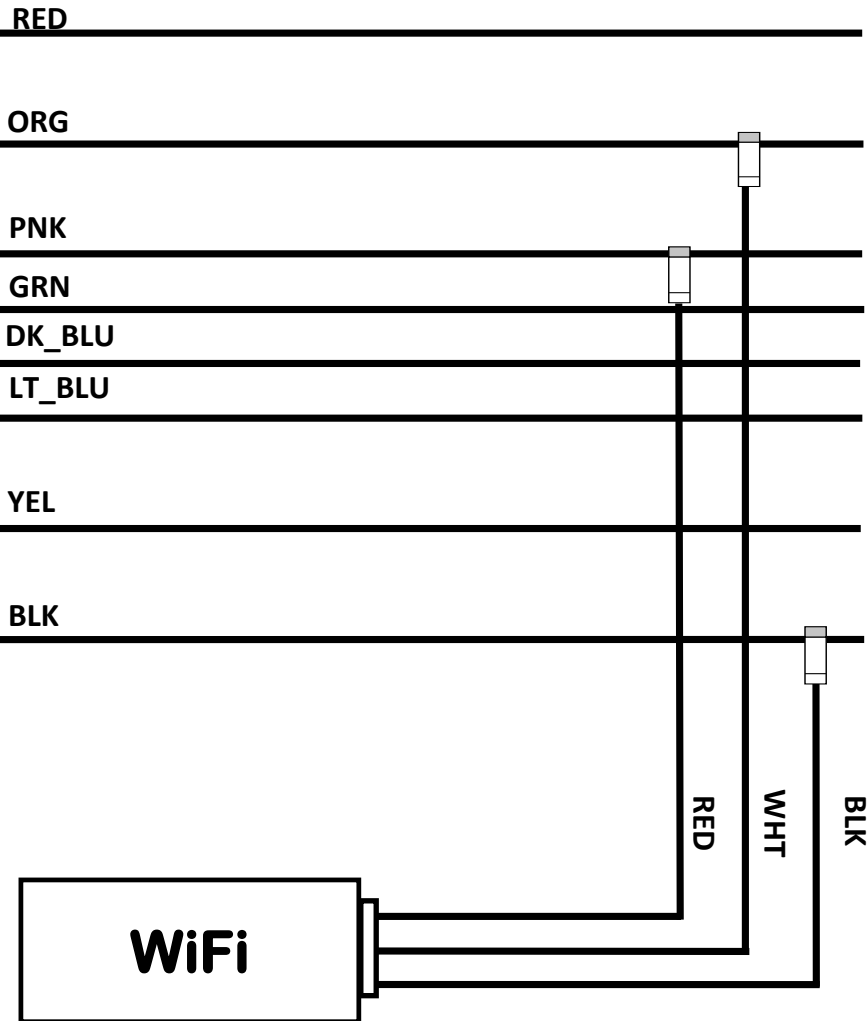☐   Place the Activation Guide, and glove box brochure in the glove box.

Posi-TapTM is protected by patent # 5,228,875 5,695,369 5,868,589 6,692,313 Jap 2881414 Aus 708700 Tia 103534 Can 2204826 Mex 200626 Korea 477279 China Z197105562.9 & others pending.
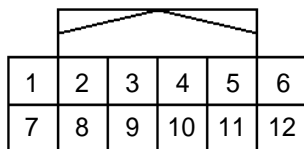
WIFI MODULE KIT

ACCY_SER_CONN

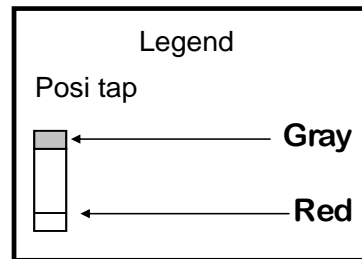|		
BAT	1	RED
	2	
ACC	3	ORG
	4	
BAT_SAVER	5	PNK
DOOR_SW	6	GRN
THRU_SIGNAL_1	7	DK_BLU
THRU_SIGNAL_2	8	LT_BLU
	9	
ROOM_LAMP	10	YEL
	11	
GND	12	BLK

PASSENGER SIDE CONNECTOR

TH12FW-NH

1	2	3	4	5	6
7	8	9	10	11	12

WiFi

RED WHT BLK

Note: Pin location is referenced looking into wire side of connector.

Legend

Posi tap

Gray

Red

⚠ CAUTION

This Accessory Service Connector is for use only with Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories. Use of this connector with non Genuine Nissan (or Infiniti) or Nissan (or Infiniti) approved accessories or failure to follow the installation instructions for the connector contained in this package may result in damage to the accessory and/or your vehicle. Nissan (or Infiniti) is not liable for loss or damage due to improper installation or the installation of non Genuine or non approved accessories.