

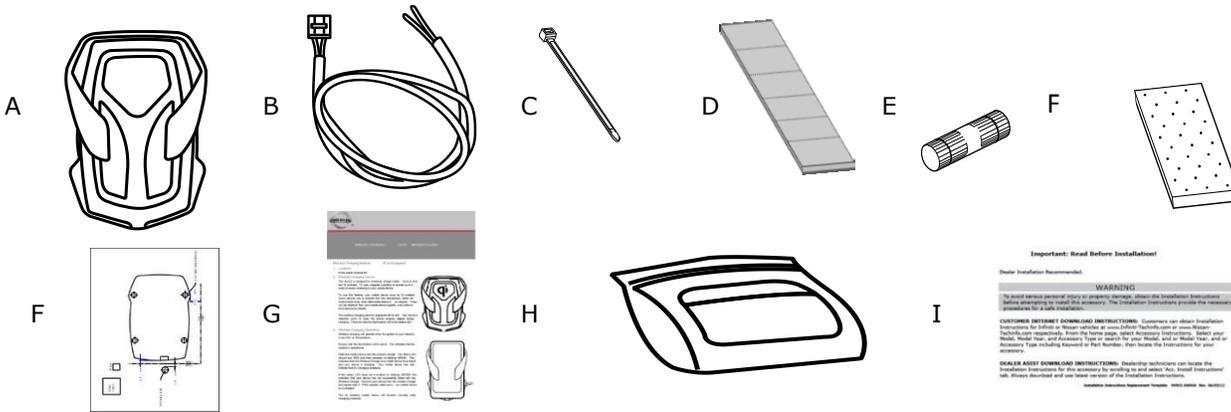


# GENUINE PARTS

## INSTALLATION INSTRUCTIONS

<b>DESCRIPTION:</b>	<b>Wireless Charging Kit</b>
<b>APPLICATION:</b>	<b>Armada</b>
<b>PART NUMBER(S)</b>	<b>999F7 V4000</b>
<b>REQUIRED FOR</b>	<b>999Q9-AY000 (Accessory Service Connector) - Not Included in kit.</b>
<b>INSTALLATION:</b>	
<b>KIT CONTENTS:</b>	

Item	Qty.	Part Description	Service Part Number
A	1	Module/Handset Holder Assembly	999F7 V4006
B	1	Harness Assembly	999F7 V4002
C	8	Wire Ties	
D	11	Foam Tape	
E	2	Posi-Taps	999M1 VT000
F	1	Double Side Tape	
G	1	Drilling Template	
H	1	Owners Manual/Quick reference	999F7 V3010
I	1	Poly Bag	
J	1	Installation Instruction Replacement Template	999V2 AW000



### 999Q9 AY001 (ACCESSORY SERVICE CONNECTOR) - SERVICE PART

Item	Qty.	Part Description	Service Part Number
AA	1	Accessory Service Connector ( <b>NOT INCLUDED IN KIT</b> )	999Q9-AY001



**Note:** 1 or 2 Accessory Service Connectors may already be installed in the vehicle.

### TOOLS REQUIRED:

- Air-Right Angle Drill
- 7/16" Drill Bit
- 1/16" Drill Bit
- Step Drill Bit
- 12mm Wrench
- Silicone Adhesive Sealant (RTV)
- Round File
- Fishing Tape
- Alcohol Wipes
- Trim Removal Tool

**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.

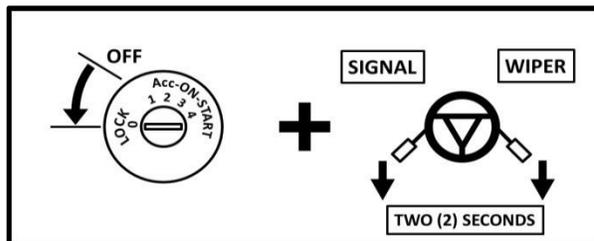
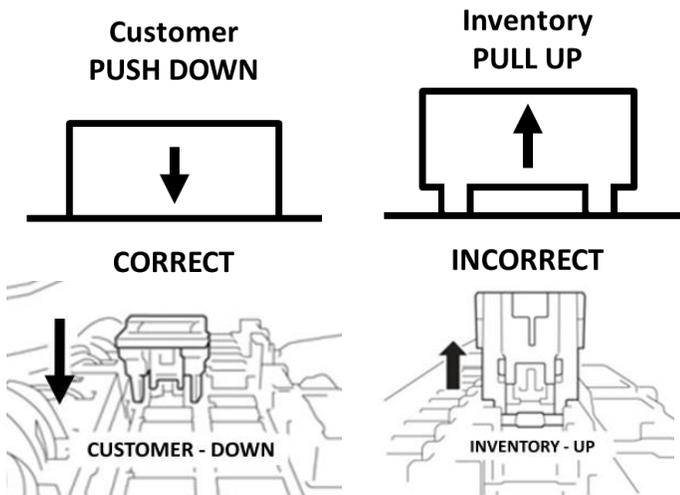
a) To remove transit mode (Fuse Block):

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.



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.

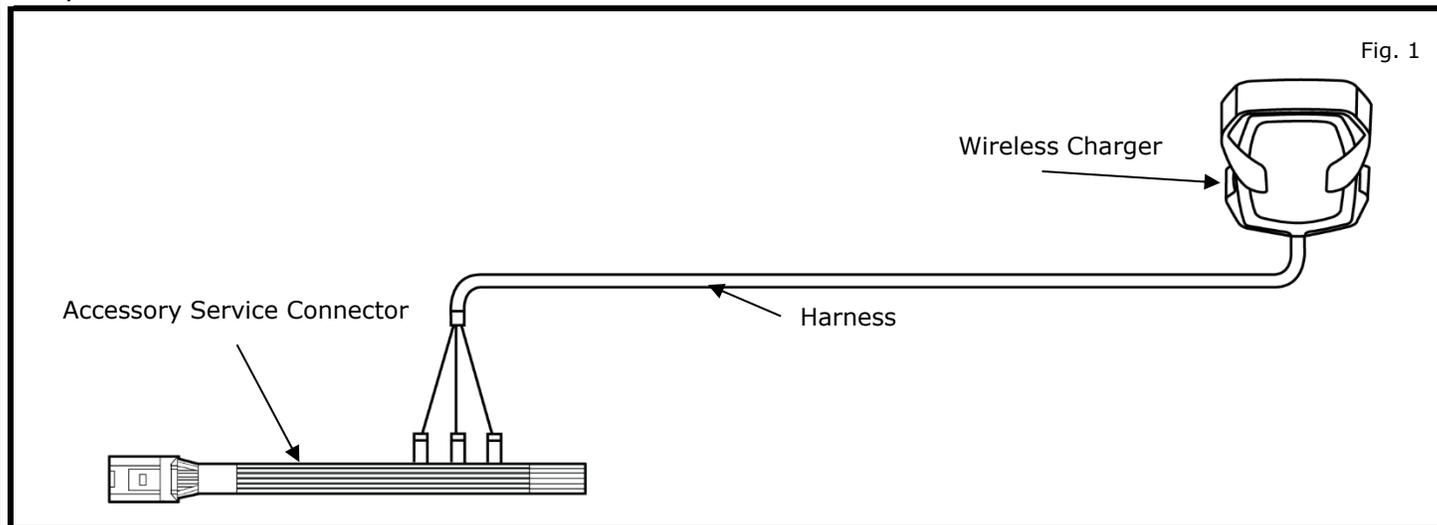
- 4) Turn ignition switch to "ON" position
- 5) Record the customer radio presets and other presets as required.

Preset	1	2	3	4	5	6		

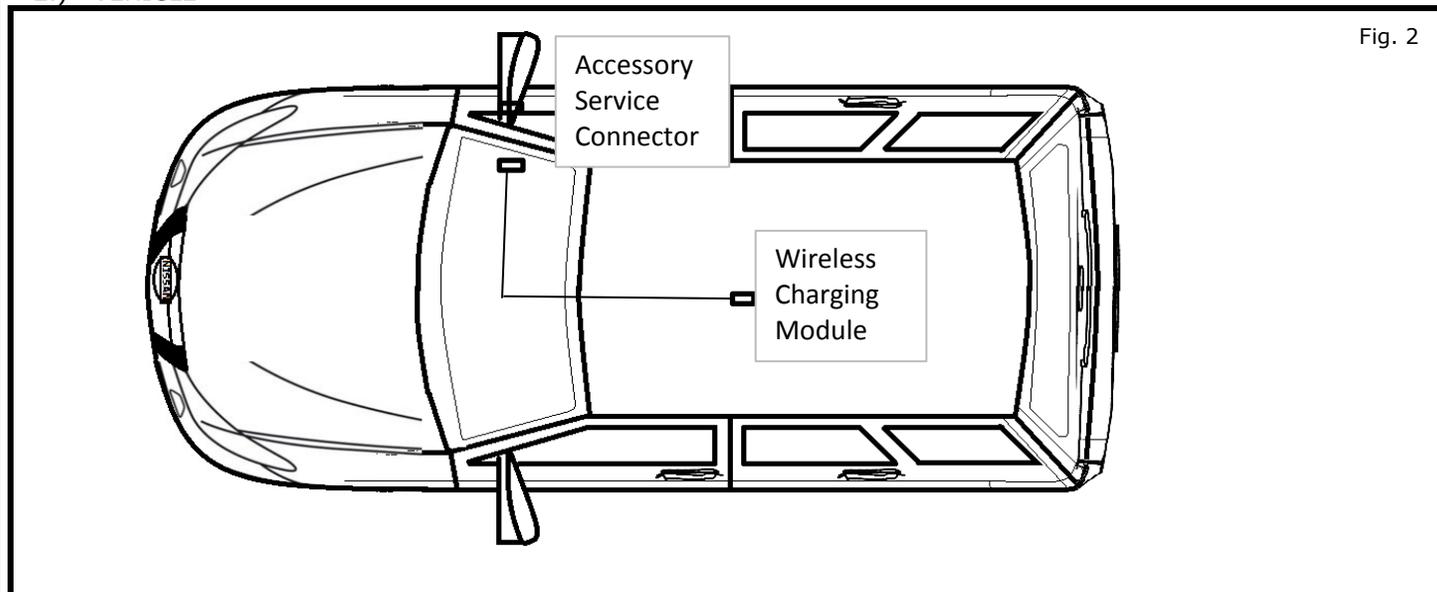
- 6) Put shift lever in "P" position for A/T and CVT or "1st" for M/T
- 7) Turn ignition switch to "OFF" position
- 8) Use seat and floor protection.

## 8. INSTALLATION OVERVIEW:

### 1.) SYSTEM



### 2.) VEHICLE



### PRE-INSTALLATION CAUTION/NOTES

- Dealer installation recommended. Instructions may refer to Service Manual
- Installation may require special tools
- This part is to be installed within a surface temperature range of 65-100°F

### **⚠ CAUTION**

- Take care not to scratch or damage any component during the removal or re-installation process.
- Always remove vehicle parts in the sequence they are shown, improper procedure can damage parts.
- Store removed parts in a safe and protected manner.

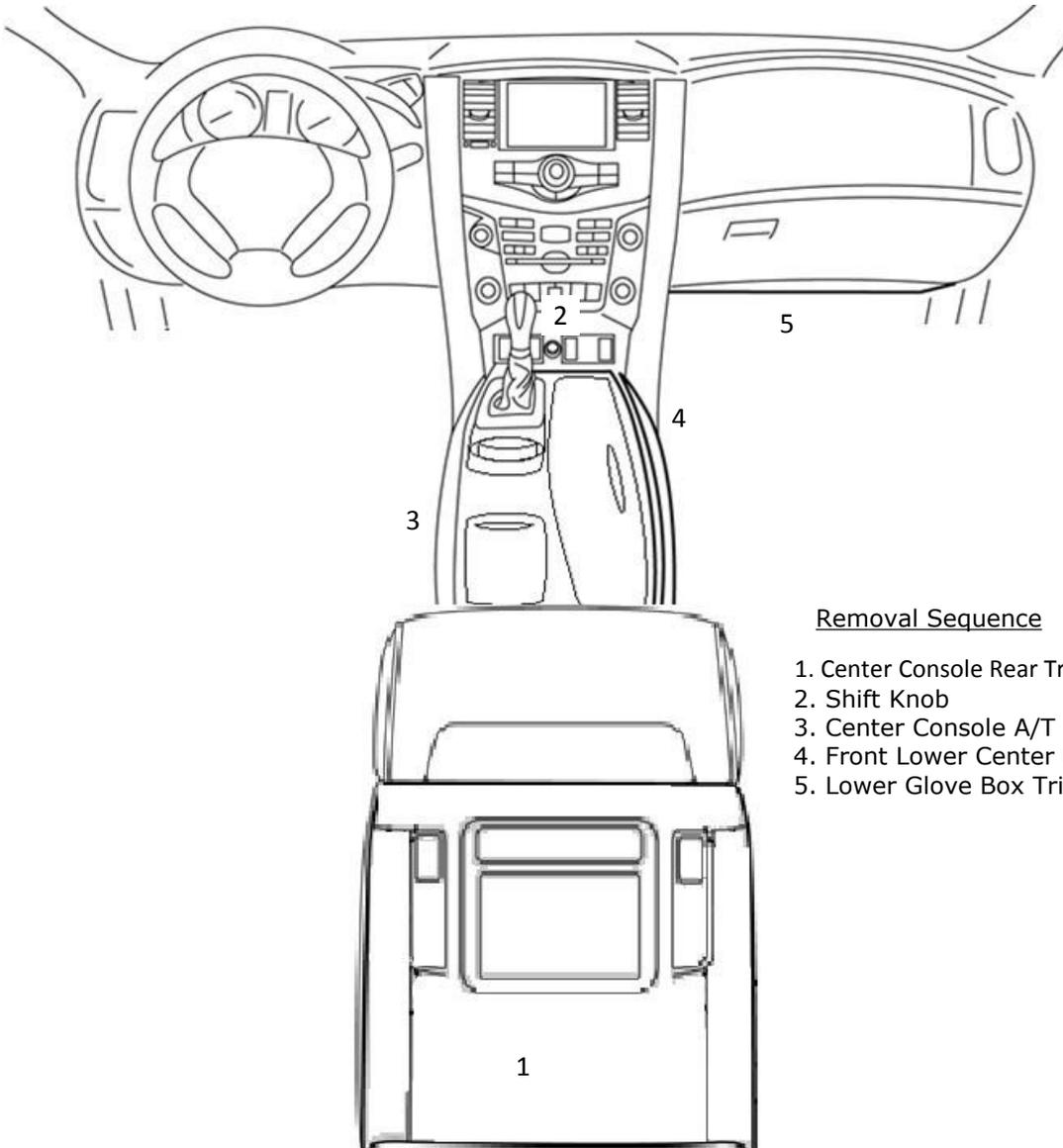
## PRE-INSTALLATION CAUTION/NOTES

- Dealer installation recommended. Instructions may refer to Service Manual
- Installation may require special tools
- This part is to be installed within a surface temperature range of 65-100°F

## CAUTION

- This accessory must only be installed as specified in these instructions.
- Ensure at all times that parts are securely fitted and will not compromise the safe function of vehicle systems

1a) Remove the following vehicle parts in the sequence shown below. Store these re-usable parts in a safe and protected manner.

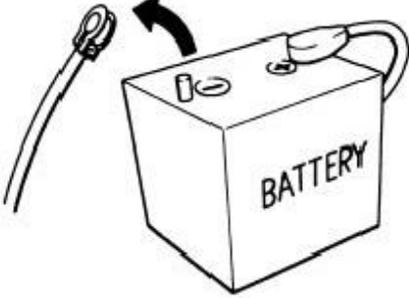


### Removal Sequence

1. Center Console Rear Trim
2. Shift Knob
3. Center Console A/T Finisher
4. Front Lower Center Console Passenger Side Panel
5. Lower Glove Box Trim

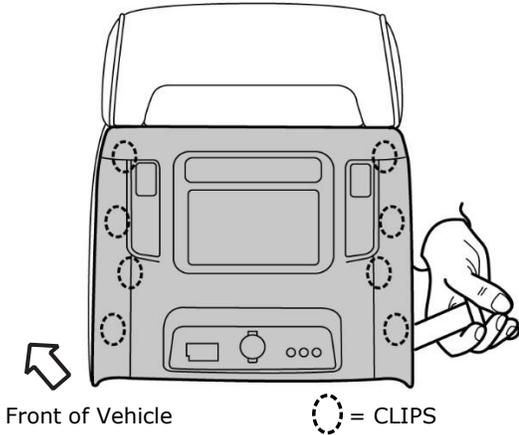
## INSTALLATION PROCEDURE:

Fig. 3



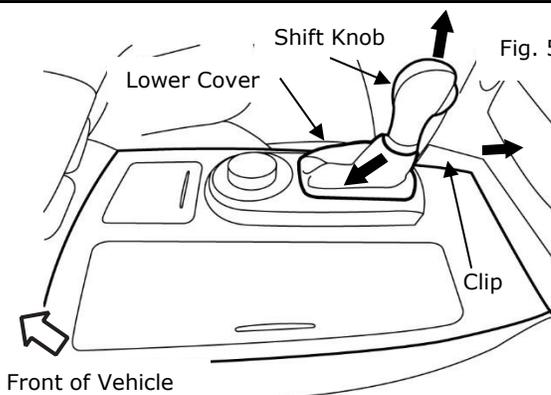
- 1) Turn ignition switch to **"OFF"** position
- 2) Disconnect negative battery terminal.
  - a) Lower both driver and passenger windows to prevent damage.
  - b) Disconnect negative battery terminal.

Fig. 4



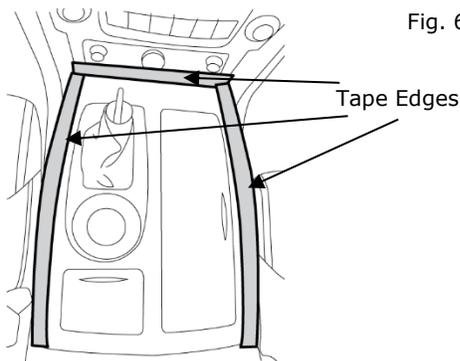
- 3) Removal of Center Console Rear Finisher.
  - a) Starting from bottom of console using trim removal tool, remove console at six clip locations. See Figure. 4.

Fig. 5



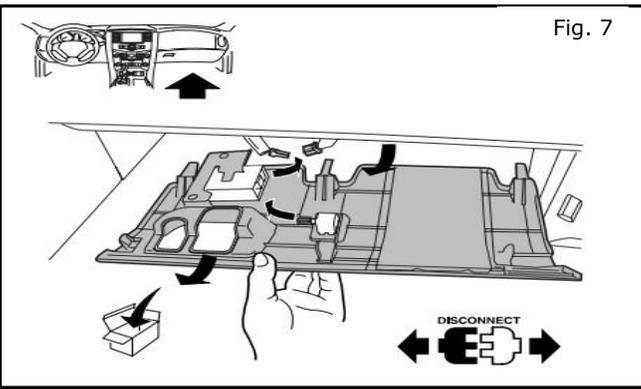
- 4) Shift knob removal.
  - a) Pull down lower cover of shifter knob.
  - b) Remove shift knob retaining clip and pull knob off of shaft.
  - c) Replace clip on shift knob and set knob aside.

Fig. 6



- 5) Place masking tape on indicated edges for protection during installation.

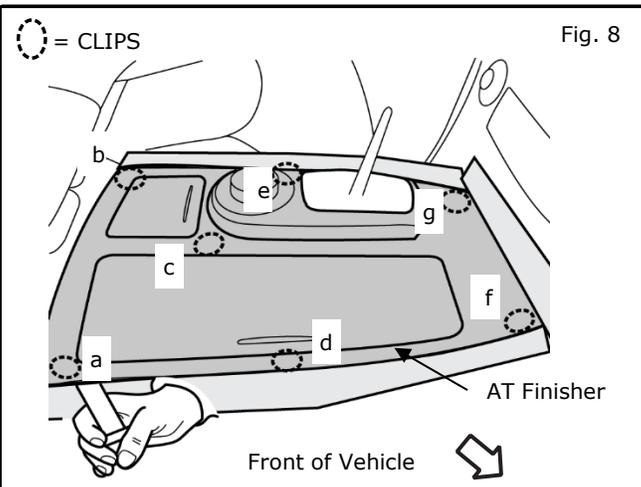
## INSTALLATION PROCEDURE:



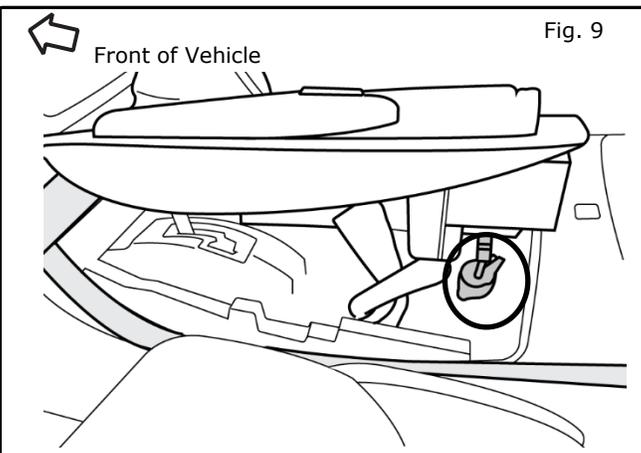
- 6) Carefully pry off lower cover panel from underneath the glovebox. Disconnect the footwell lamp plug, if equipped.

### NOTE:

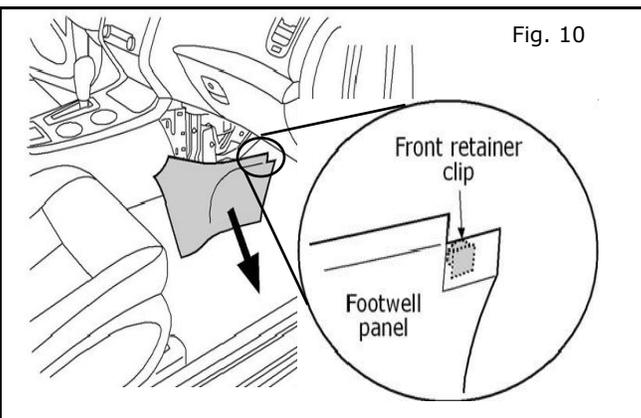
**Be careful not to damage any mounting clips on the panel**



- 7) Remove AT finisher and bin.
  - a) Release clips a and b with nylon trim tool.
  - b) Release clip C with nylon trim tool.
  - c) Release clips d and e then release clips f and g.
  - d) Set finisher to side.



- 8) Disconnect harnesses from AT finisher and set finisher aside.



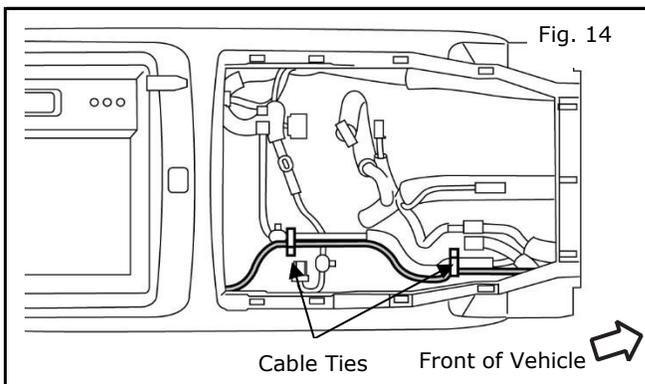
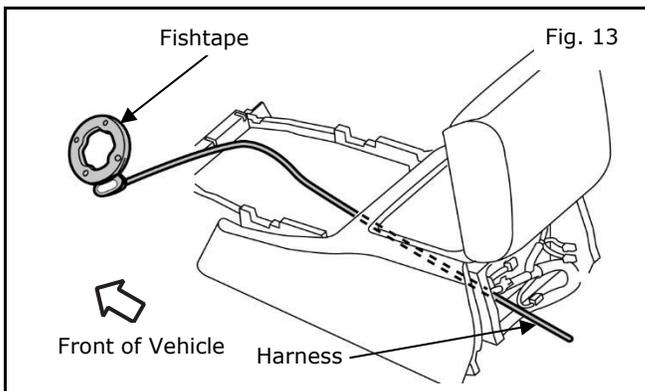
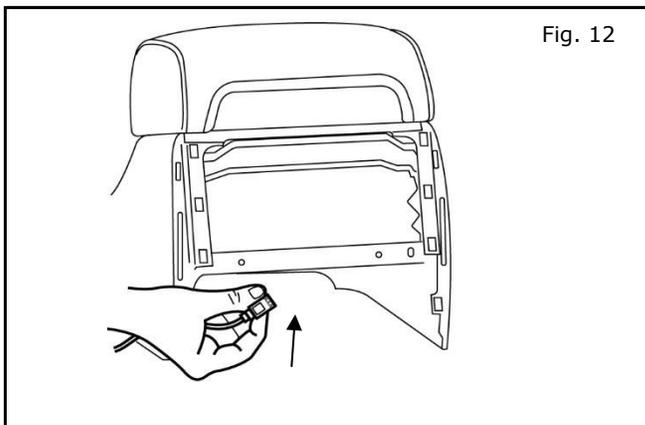
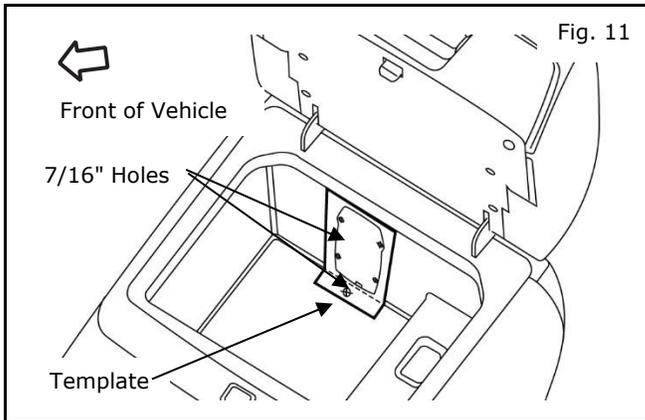
- 9) Remove passenger side console kick panel
  - a) Carefully pry out center footwell panel from passenger side of center console.
  - b) Pull out at center and slide to rear.

### NOTE:

**Ensure front retainer clip stays with panel.**

- c) Remove carpet from inside the console box.

## INSTALLATION PROCEDURE:



## NOTE:

**Locate Wireless Charging module as shown in this instruction. Failure to do so may impact operation of iKey system, and prevent vehicle from starting.**

- 10) Drill holes in console box.
  - a) Securely attach supplied templates to bottom and passenger inside of bin with tape.
  - b) Using center punch, locate center of hole drilling locations. One hole located on bottom of bin and four located on side of bin. See Figure 11.
  - c) Using 7/16" bit to drill hole on bottom of bin.
  - d) Using 1/8" bit, drill pilot holes on side of bin. Use step drill to finish holes to 7/16".
  - e) Dry fit part to confirm fit.
  - f) Clean debris from bin.

- 11) Route harness connector end into bin through 7/16" hole drilled above from the rear of the center console.

Once connector is seen inside bin, connect wireless charging module (listen for "click" to confirm connection).

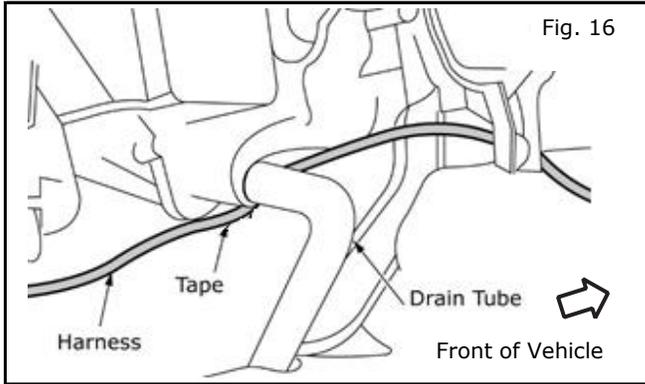
- 12) Route fish tape through center console towards rear of center console.

- a) Secure remaining harness to fish tape.
- b) Carefully the harness using fish tape.

- 13) Use two cable ties to secure accessory harness to existing harnesses in vehicle. Do not tighten yet.

Continue routing harness towards front of vehicle as shown.

## INSTALLATION PROCEDURE:



- 14) Route harness to inside of drain tube. Tape as indicated.

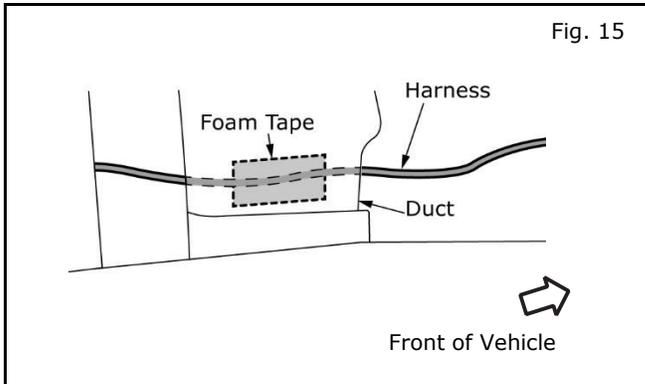
### NOTE:

**Do Not Disturb Drain Tube.**

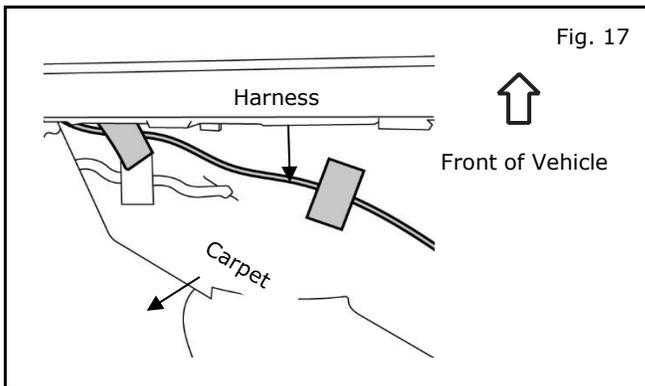
**Do Not Apply Wire Tie to Drain Tube.**

**Ensure Harness Routes Behind and Under Drain Tube.**

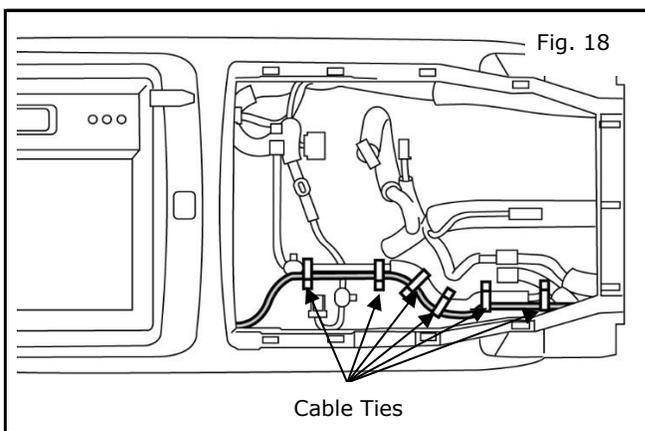
**Do Not Apply Wire Tie to Parking Brake Harness.**



- 15) Use one piece of foam tape to mount harness to duct.



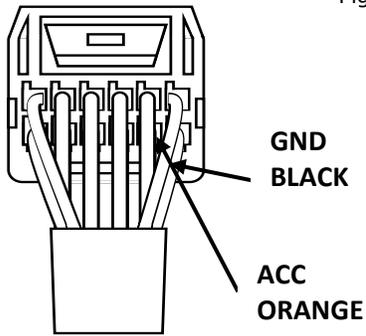
- 16) Pull back carpet and route harness to accessory service connector. Tape harness as shown.



- 17) Secure harness to existing harness using six cable ties. Do not tighten cable ties yet.

**INSTALLATION PROCEDURE:**

Fig. 19



18) 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.

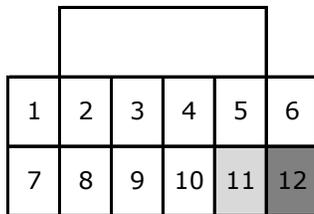
**NOTE:**

- Proceed to steps 19 through 30 for direction on how to posi-tap.
- For additional circuit information, refer to mech drawing at end of installation instructions.



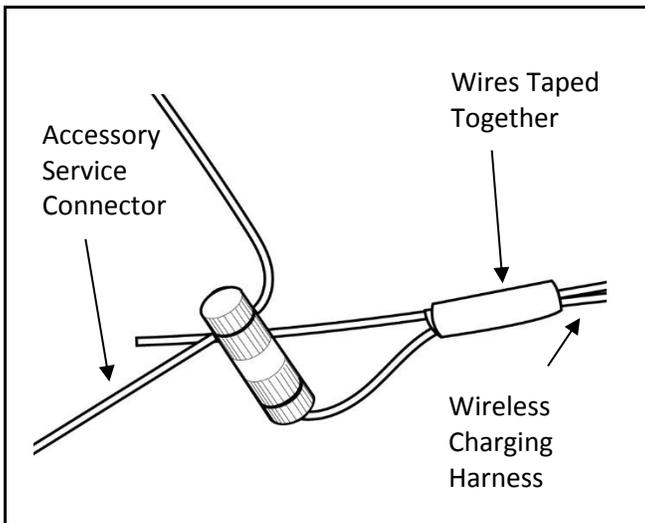
**CAUTION**

**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.**



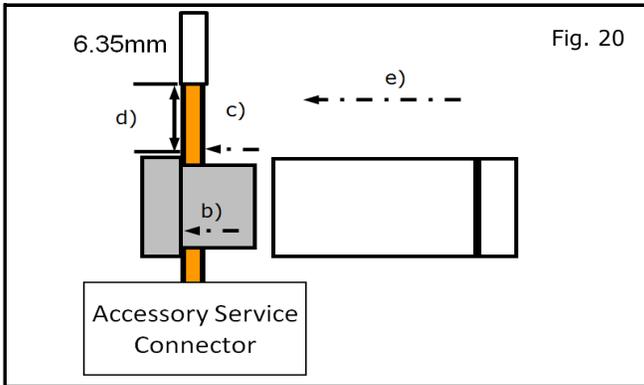
Pin location is referenced looking into wire side of connector

999Q9 AY001			
Pin	Label		Color
11	ACC		ORANGE
2	GROUND		BLACK

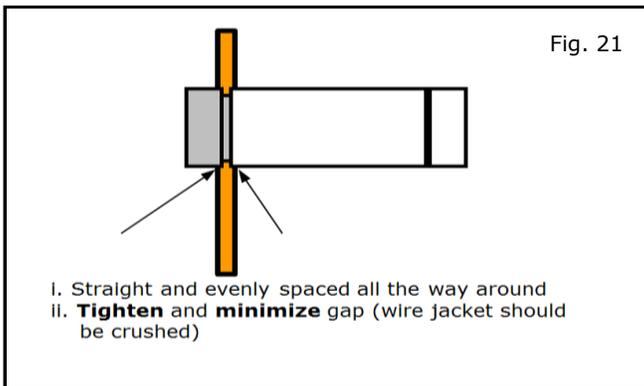


**\*Note\* If wire harness has wires taped together, remove tape before posi-tapping! If tape is not removed, there will not be enough harness length to complete the posi-tap**

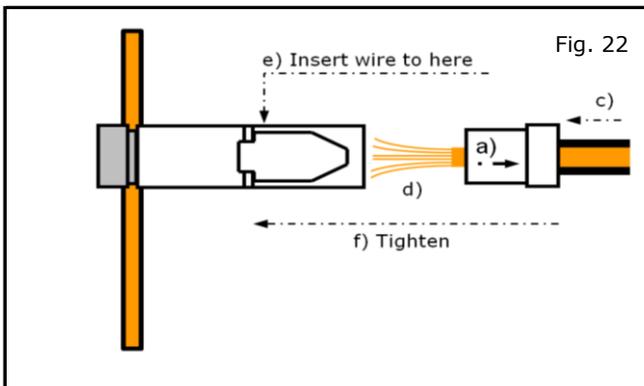
## INSTALLATION PROCEDURE: POSI-TAP



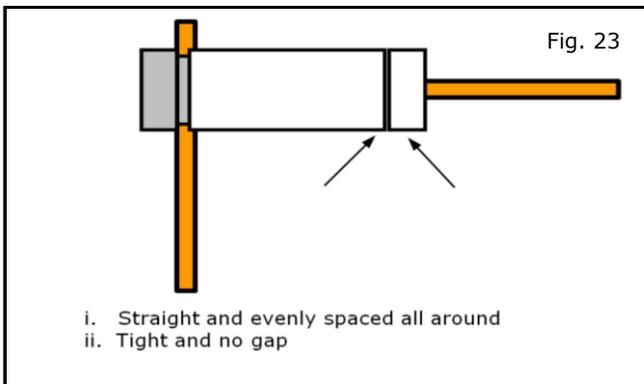
- 19) Posi-tapping an Accessory service wire (Fig. 20)
  - a) Identify and confirm correct wire in the Accessory Service Connector to be tapped.
  - b) Remove cap (slot side) from tap body.
  - c) Slide cap around single accessory wire.
  - d) Position cap  $\geq 6.35\text{mm}$ (0.25in) away from the heat shrink end of Accessory Service Connector (measurement for first posi-tap installed on the circuit).
  - e) Tighten the tap **TIGHT** with finger pressure.
  - f) Tighten by another quarter turn.



- 20) Inspecting the tap for correct installation (Fig. 21).
  - a) Pull on the wire lightly to ensure connection.
  - b) Inspect the tap to ensure correct installation.
  - c) Test the signal to ensure that it is working properly.

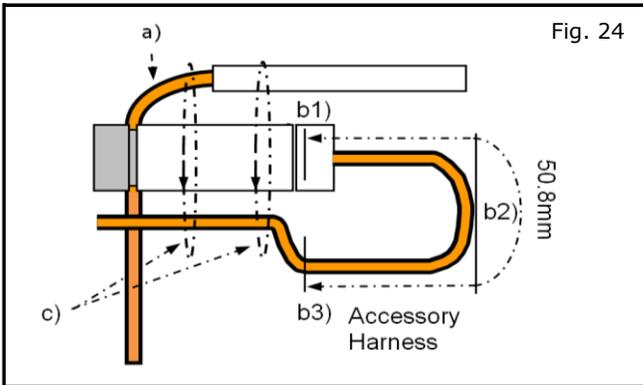


- 21) Tap accessory wire (Fig. 22).
  - a) Remove tap (non-pierce) side from tap.
  - b) Remove the protective stub from the wire.
  - c) Insert wire through the non-pierce side opening.
  - d) Spread the individual strands into fan shape.
  - e) Insert wire into the tap body and ensure that it is all the way in.
  - f) Tighten the tap **TIGHT** with finger pressure.
  - g) Tighten by another quarter turn.

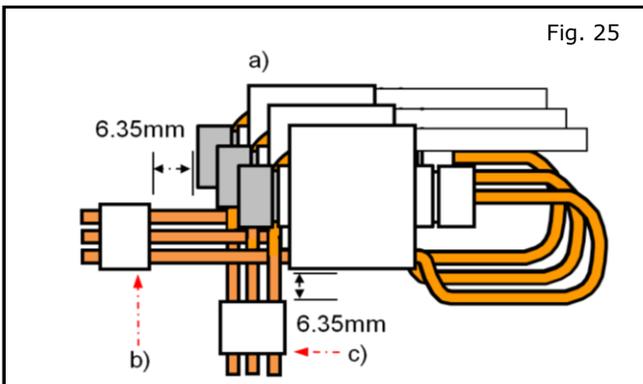


- 22) Confirm the tapped accessory wire.
  - a) Pull on the wire lightly to ensure connection.
  - b) Inspect the tap to ensure correct installation as shown in Fig. 23.

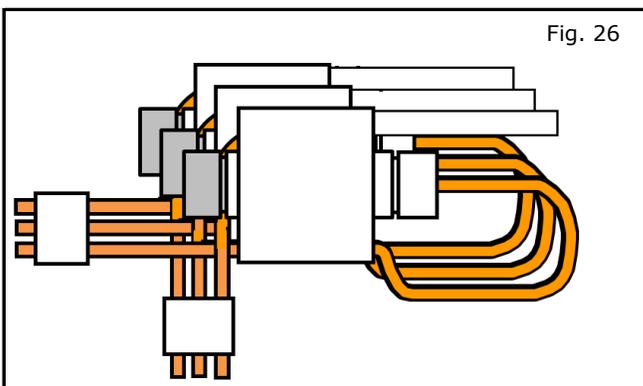
## INSTALLATION PROCEDURE: POSI-TAP



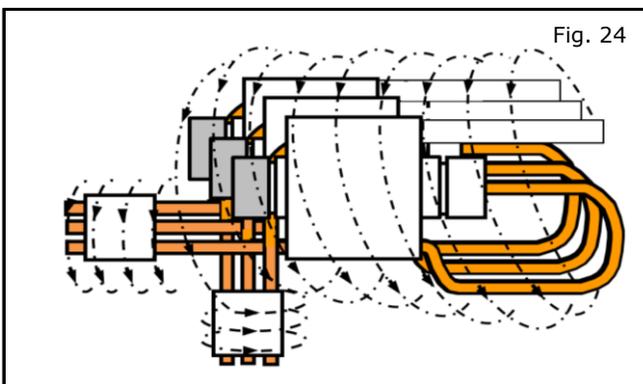
- 23) Forming strain relief loop - required (Fig. 24).
- Gently bend end of pierced wire (where it exits cap) down towards body of posi-tap.
  - On tapped side wire; starting at point b1), measure 50mm to point b3). Make first bend of loop b2), half measured distance - 25mm, and up toward body of posi-tap, make second bend of loop b3).
  - Secure pierced wire on heat shrink side and tapped wire to body of tap with electrical tape ( $\geq 2$  revolutions).



- 24) Securing multiple accessory taps (Fig. 25).
- Tapped accessories (wires already secured to tap bodies) are stacked in a stagger on top of each other as shown in Fig a).
  - Secure tapped wires on connector side of posi-taps to each other with electrical tape ( $\geq 2$  revolutions) at a distance of  $\geq 6.35$ mm as shown in Fig b).
  - Pierced wires of posi-taps are secured to each other with electrical tape ( $\geq 2$  revolutions) at a distance of  $\geq 6.35$ mm (0.25in) as shown in Fig c).

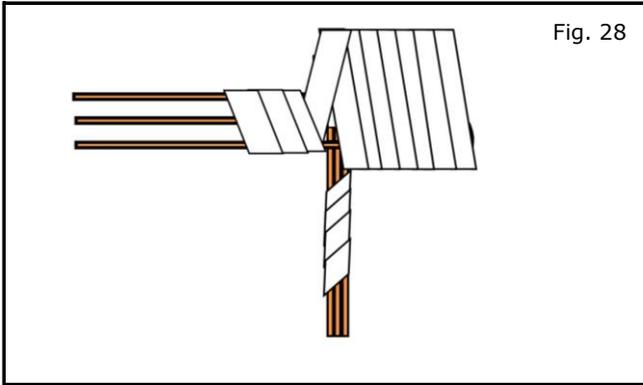


- 25) Securing multiple accessory taps (Fig. 26).
- Make sure the accessory taps have been wrapped appropriately as detailed previously and as shown.

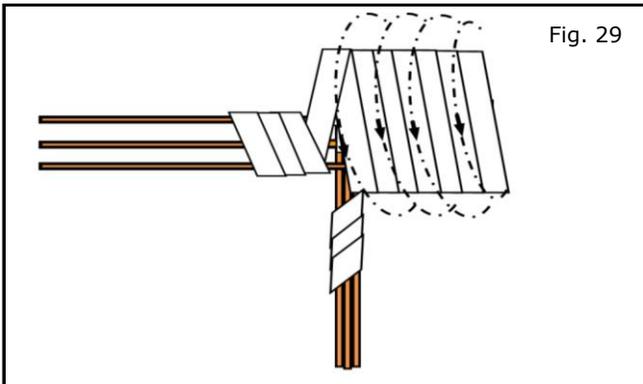


- 26) Securing multiple accessory taps
- Starting at heat shrink; firmly wrap posi-tap bundle with electrical tape or non-adhesive wire harness tape, making sure to overlap previous revolution.
- Note:** If using non adhesive tape secure at the of wrap with electrical tape  $\geq 2$  revolutions.

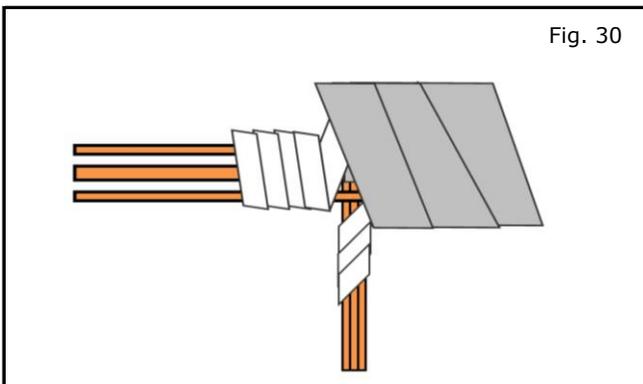
## INSTALLATION PROCEDURE: POSI-TAP



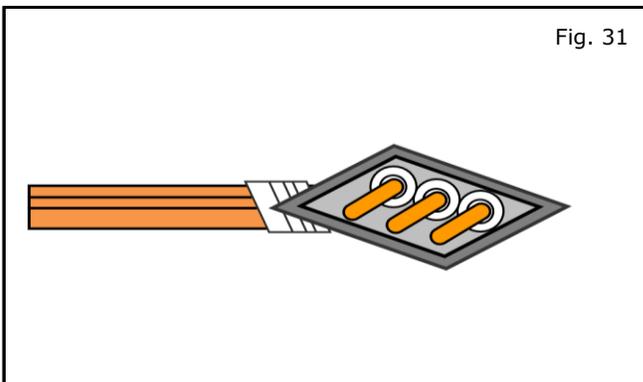
- 27) Securing multiple accessory taps  
a) Make sure the finished wrap looks similar to Fig. 28.



- 28) Foam wrap for posi-tap bundle (foam strips)  
a) Wrap the posi-tap bundle with foam tape, following a pattern similar to the electrical tape, making the best use of foam strips provided.

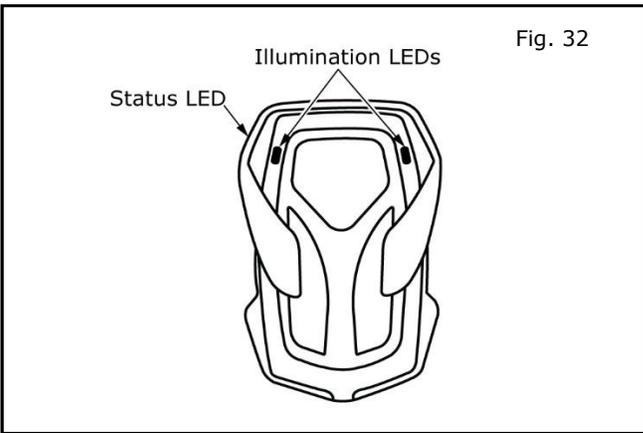


- 29) Finished foam wrap for bundle (strips-top view)  
a) Make sure the finished wrap looks similar to Fig. 30

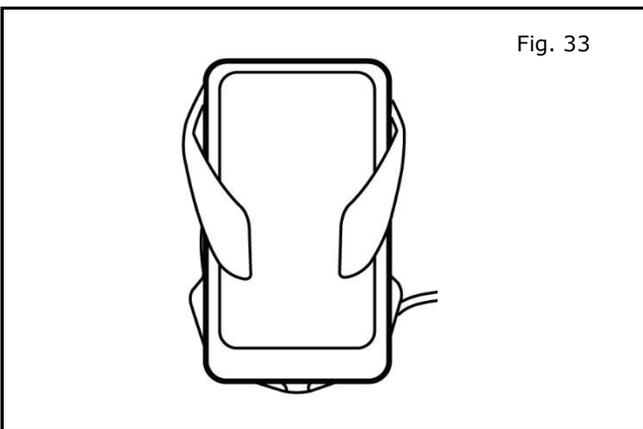


- 30) Finished foam wrap for bundle (strips-side view)  
a) Make sure the finished wrap looks similar to what is shown in Fig. 31

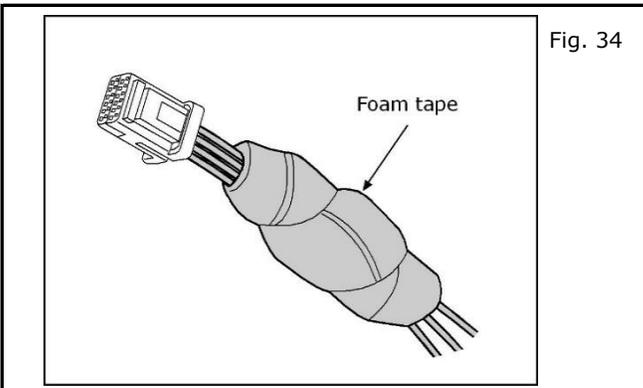
## INSTALLATION PROCEDURE (Continued):



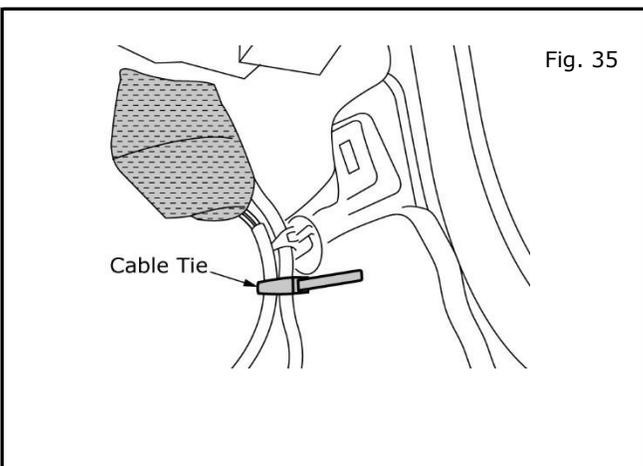
- 31) Check Wireless Charger module function.
  - a) Connect Accessory Service Connector to vehicle harness.
  - b) Connect harness to module.
  - c) Reconnect battery.
  - d) Place vehicle ignition in ACC position.
  - e) Two illumination LEDs will light, The status LED will blink RED and then turn off.



- 32) Check Wireless Charger module function (continued).
  - f) 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.
  - g) Turn off vehicle.
  - h) Disconnect battery.
  - i) Disconnect Accessory Service Connector.



- 33) Wrap posi-taps with several pieces of foam tape.

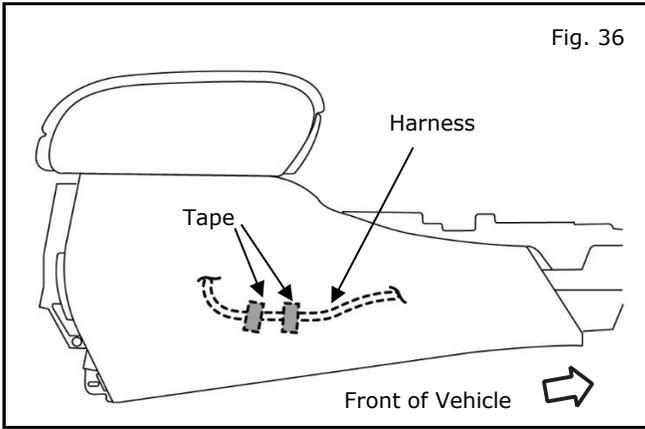


- 34) Secure bundle to existing harness near service connector.

Tighten all cable ties. Cut off ends.

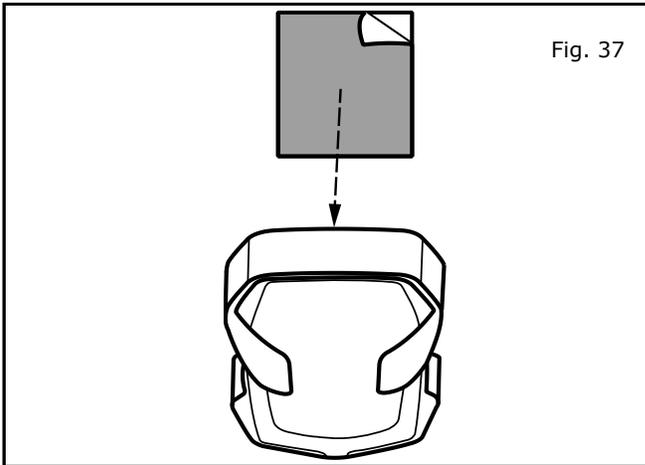
## INSTALLATION PROCEDURE:

Fig. 36



- 35) Using foam tape, secure harness to top of console box in two places.

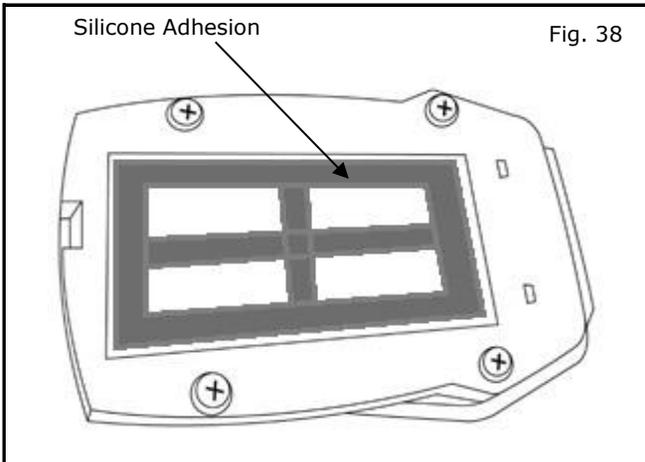
Fig. 37



- 36) Install module to bin as follows.
- a) Clean location for mounting module with alcohol wipe. Allow to dry for one minute.
  - b) Remove liner from tape on rear of module.

**NOTE: IF CENTER CONSOLE CONTAINS FLOCKED SURFACE, FOLLOW STEP 37. ELSE, MOVE TO STEP 38.**

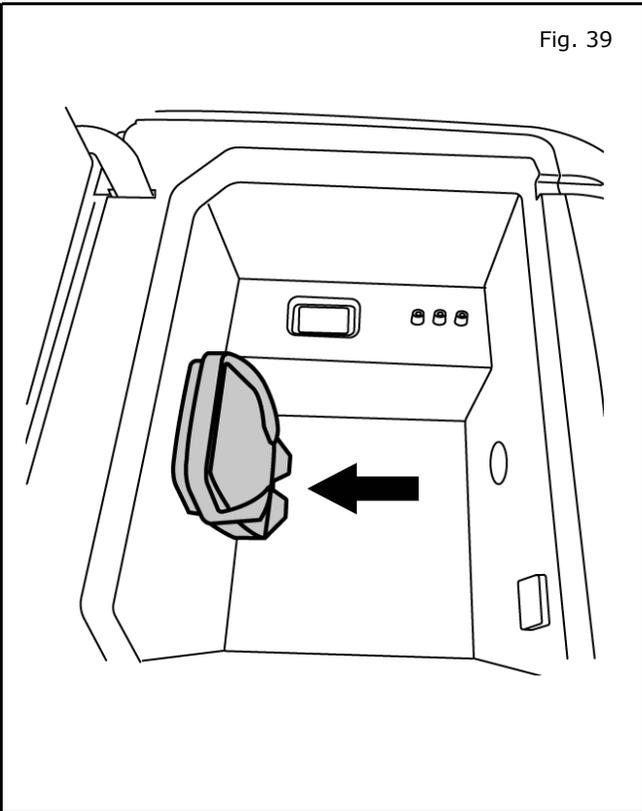
Fig. 38



- 37) Apply generous beads of silicone adhesion sealant (RTV) uniformly to ensure no dripping.

## INSTALLATION PROCEDURE:

Fig. 39

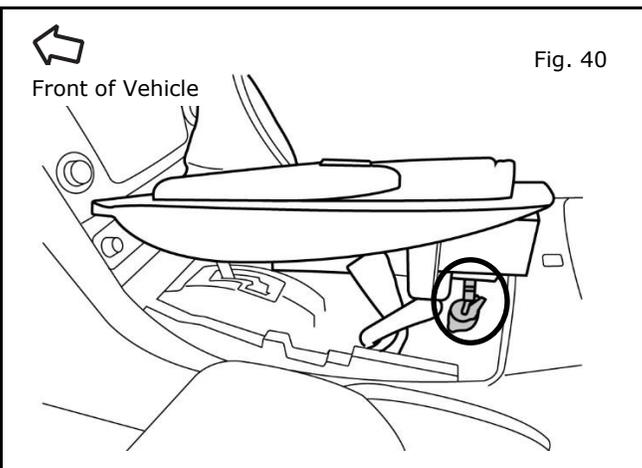


- 38) Align four bosses on back of module with four previously drilled location holes.

Press and hold module to bin to allow module to adhere.

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

Fig. 40



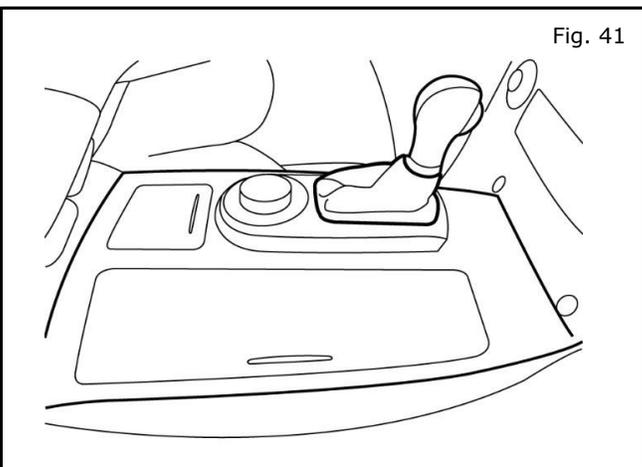
- 39) Reinstall connectors.

Reconnect other harness connectors to finisher panel.  
Firmly insert harness connectors.  
Listen for "Click" to confirm.  
Apply a slight tug to connector to check.

**NOTE:**

**Number of connectors will vary by model and vehicle equipment.**

Fig. 41



- 40) Reinstall AT finisher panel harness.

- Return harness to original position.
- Make sure harness and connectors are securely attached to original anchor points.

**\*Note\* Check USB, power port, selector, and all other items on console for correct function.**

**Re-assembly process:**

** 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.**

- Reinstall center finisher, AT finisher, and kick panels
- Connect harnesses to center console rear finisher connectors.
- Replace center console rear finisher.
- Reconnect battery, reprogram radio presets if required

**FINAL INSPECTION:**

- Verify function of the console switches, USB, heated seats, and other electronics.
- 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.
- Turn ignition switch to "ON" and confirm proper operation of Vehicle Systems
  - If equipped, verify all window and sunroof one touch operation and perform the reset procedure if necessary. Refer to the vehicle service manual for more details.
  - Confirm proper audio function (AM, FM, SAT, CD and AUX).
- Start engine and verify that there are no new Diagnostic Trouble Code. Turn ignition switch to "**OFF**".
- Place the Owner Manual, Quick Reference Guide, and/or other Manual in the glove box.
- 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 "inventory" position. Refer to the Extended Storage Switch verbiage at the beginning of the 'INSTALLATION PROCEDURE' section.

**14. BILL OF MATERIALS:**

**Wireless Charging Kit - 999F7 V4000**

<b>Item</b>	<b>Part Description</b>	<b>Qty.</b>	<b>Service Part Number</b>
	Wireless Charging Module	1	999F7 V4000
	Module/Handset Holder Assembly	1	999F7 V4006
	Harness Assembly	1	999F7 V4002
	Wire Tie	8	
	Foam Tape	11	
	Posi-Taps	2	999M1 VT000
	Drilling Template	1	
	Quick Reference Guide	1	999F7 V3010
	Poly Bag - Large	1	

**ACCY\_SER\_CONN**

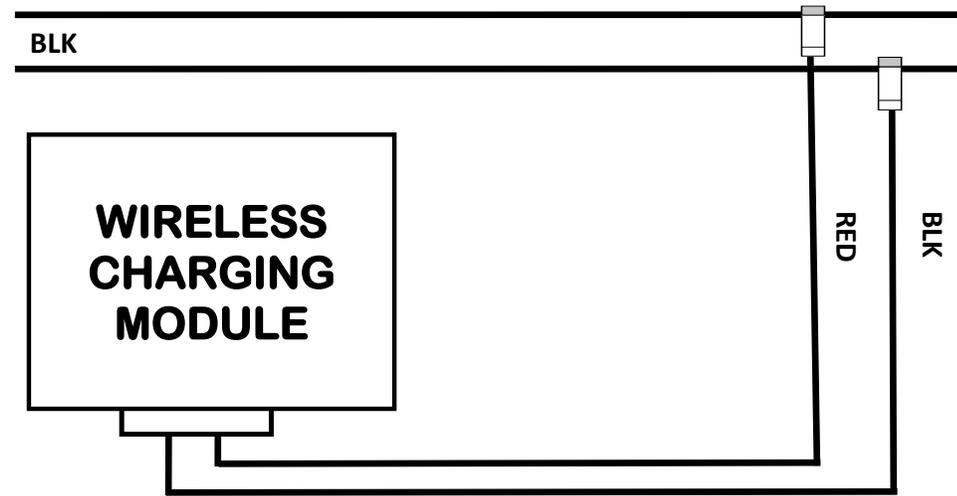
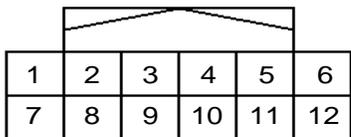
IGN	1
BAT	2
TAIL_LAMP	3
ROOM_LAMP	4
BAT_SAVER	5
FR_DOOR_SW_RH	6
FR_DOOR_SW_LH	7
THRU_SIGNAL_1	8
RR_DOOR_RH	9
RR_DOOR_LH	10
ACC	11
GND	12

**WIRELESS CHARGING KIT**

**PASSENGER SIDE CONNECTOR**

WHT
RED
PURP
YEL
PNK
GRN
LT_GRN
GRY
BLU
LT_BLU
ORG
BLK

**TH12FW-NH**



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

