



GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION: Wireless Charging Kit

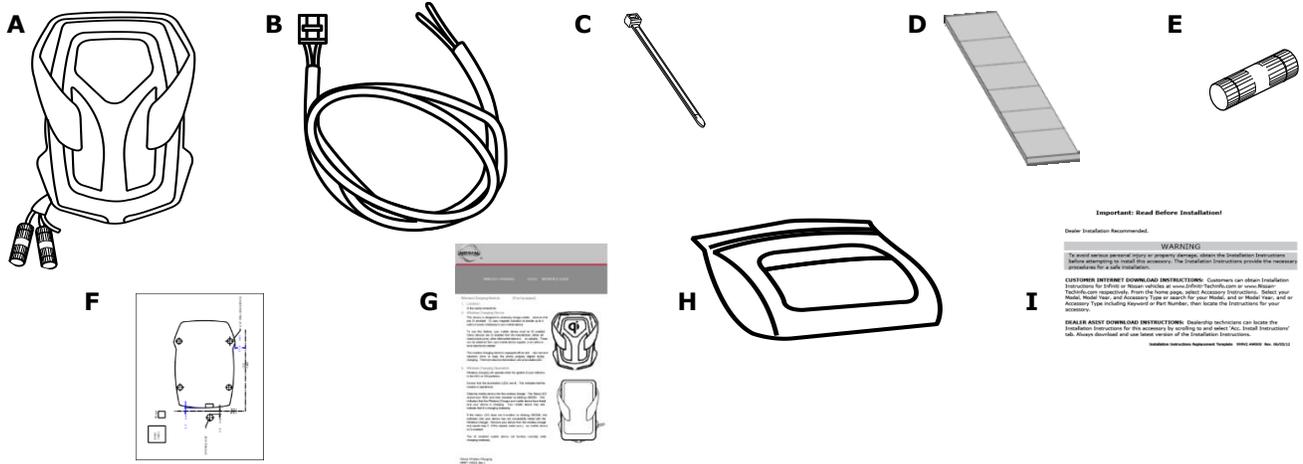
APPLICATION: Altima

PART NUMBER(S) 999F7 V4000

REQUIRED FOR INSTALLATION:

KIT CONTENTS:

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	Drilling Template	
G	1	Owners Manual/Quick reference	999F7 V3010
H	1	Poly Bag	
I	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 (NOT INCLUDED IN KIT)	999Q9-AY000



TOOLS REQUIRED:

- Right Angle Drill
- Alcohol Wipes
- 1/16" Drill Bit
- 7/16" Drill Bit
- Round File
- Trim Removal Tool

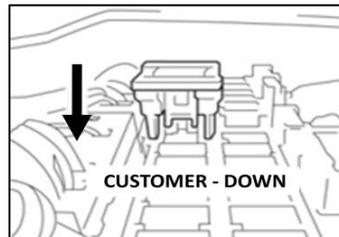
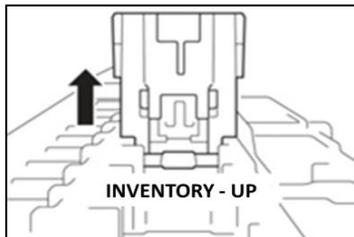
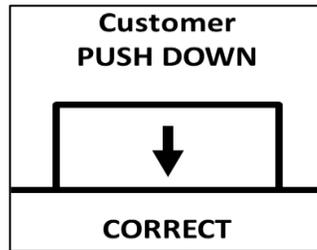
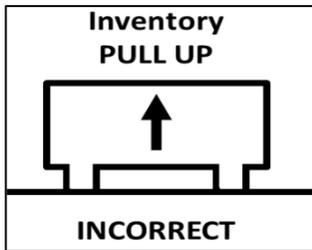
7. VEHICLE PREPARATION

⚠ CAUTION

- Always confirm the ignition is in the "OFF" position before changing the E.S.S. position.

- Apply parking brake
- Confirm the vehicle is no longer in the default shipping state (Extended Storage Switch Pulled Up and BCM in Transit Mode). Failure to confirm the vehicle has been removed from this state will result in the loss of normal vehicle operation. The confirmation requires two checks:

- Locate the Extended Storage Switch in the cabin fuse block. Once located, check that it is in the "Customer" position. See below for reference.



- To remove transit mode is by doing as follows:
 - Remove fuse cover lid
 - Push down shorting pin
 - Ign On 2 times without turn the vehicle on

To put transit mode back is by doing as follows:

- Ign Off
- Remove fuse cover lid
- Pull up shorting pin
- Assemble fuse cover lid
- Ign On 2 times without turn the vehicle on
- Confirm transit mode condition on meter

- NOTE:**
- Generic vehicle condition shown at left. The ESS is easily identifiable by the permanent, push-pull fuse holder. Actual position on the fuse block varies from vehicle to vehicle.
 - The ESS is only an aid to improve battery life during vehicle storage at the dealer. If the ESS fuse ever needs service after vehicle delivery, discard the ESS holder and install the correct fuse in its place.

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

- Turn ignition switch to "ON" position
- Record the customer radio presets and other presets as required below:

Preset	1	2	3	4	5	6		

- Put shift lever in "P" position for A/T and CVT or "1st" for M/T
- Turn ignition switch to "OFF" position

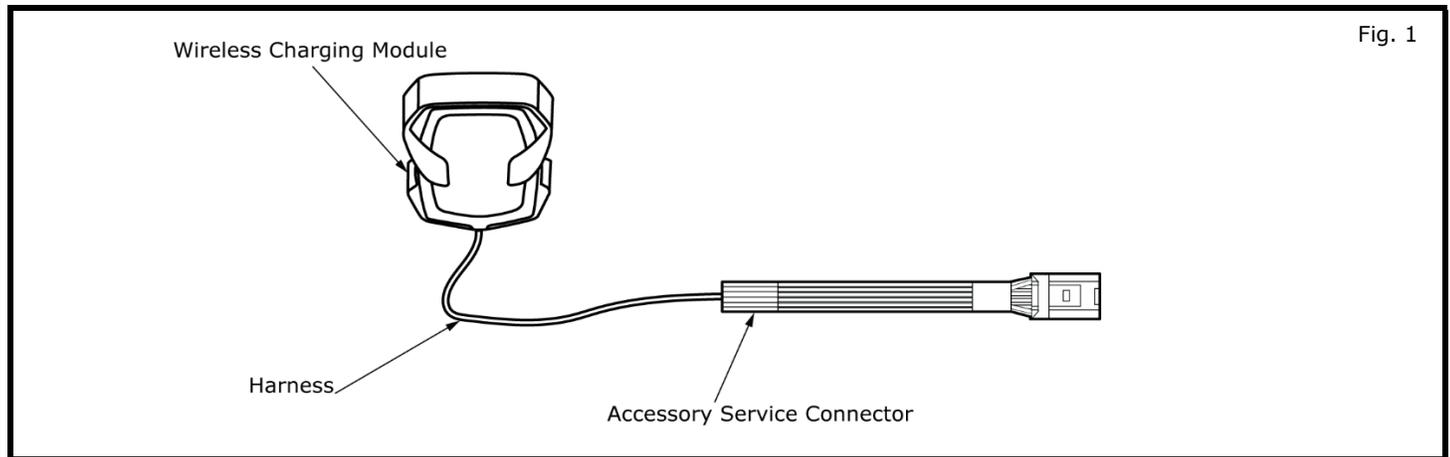
7. CRITICAL STEPS

The following steps are critical and must be performed **Exactly** as specified to ensure proper installation:

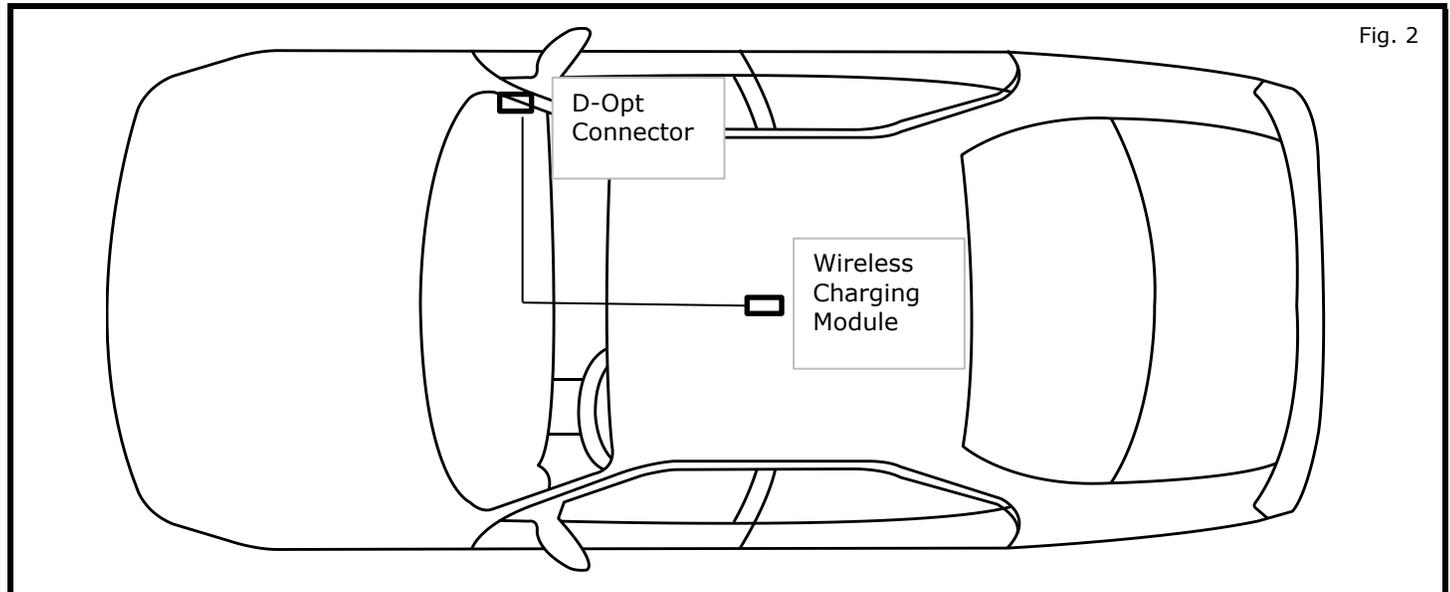
- Read the Installation Instructions thoroughly and follow the steps exactly as described.
- Wireless charging module must be placed as described or vehicle may not operate properly.
- Apply masking tape as needed to protect any areas that could be scratched or damaged by tools.
- Test the functionality of the kit before final clean up and reinstallation of exterior and interior panels.

INSTALLATION OVERVIEW:

SYSTEM



VEHICLE



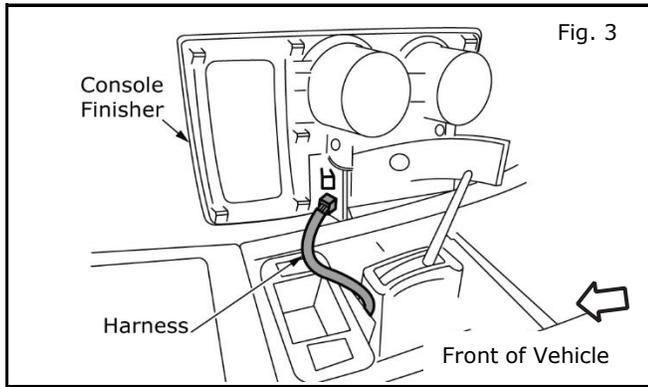
⚠ CAUTION

- 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.
- Place module in vehicle as described to ensure that the vehicle I_Key system works properly

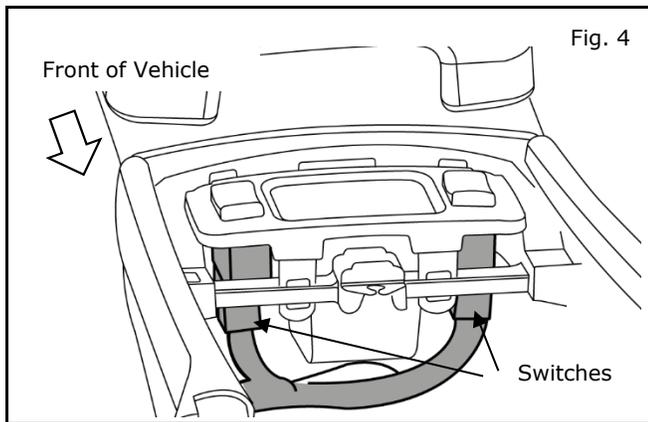
ORDER OF INSTALLATION:

- 1) Gently remove center console rear finisher.
- 2) Gently remove passenger kick panels.
- 3) Drill holes in bin for module harness and module installation.
- 4) Route and install harness.
- 5) Gently remove the necessary interior panels and trim.
- 6) Install module.
- 7) Carefully replace center console rear finisher and kick panels.

INSTALLATION PROCEDURE:



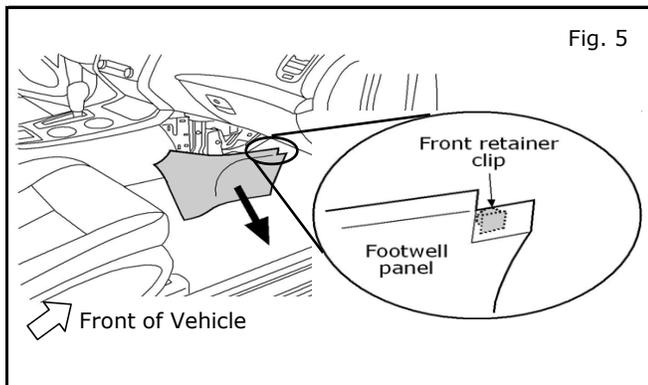
- 1) Disconnect harness from console finisher and set finisher aside on soft work surface.



NOTE:

Sequence disconnecting connectors if seat heater switches are installed.

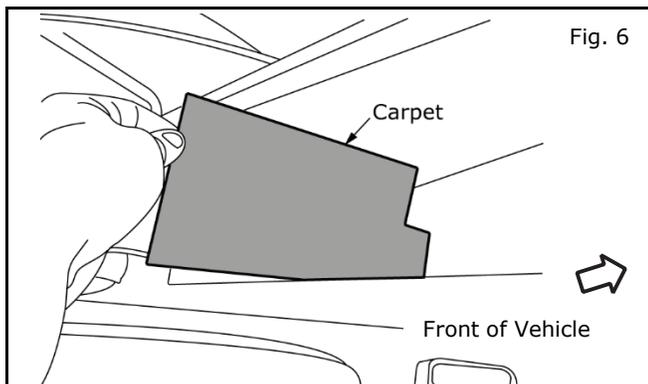
- 1) Disconnect Grey connector first.
- 2) Disconnect Brown connector second.
- 3) Reconnect in reverse order



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

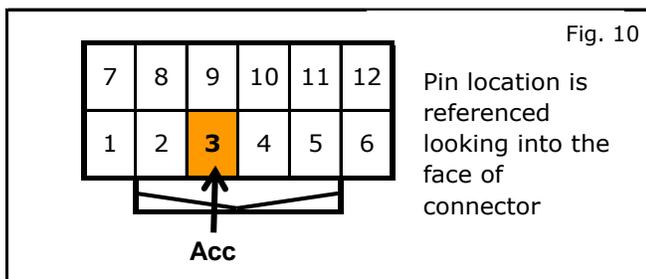
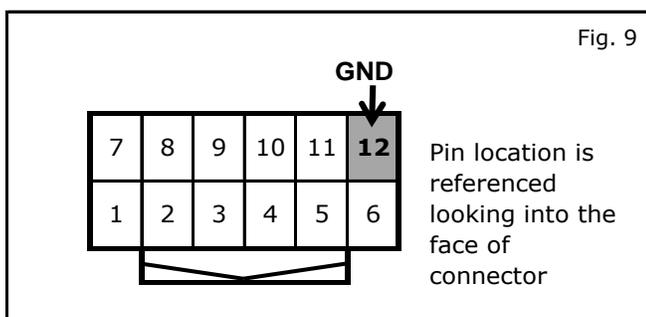
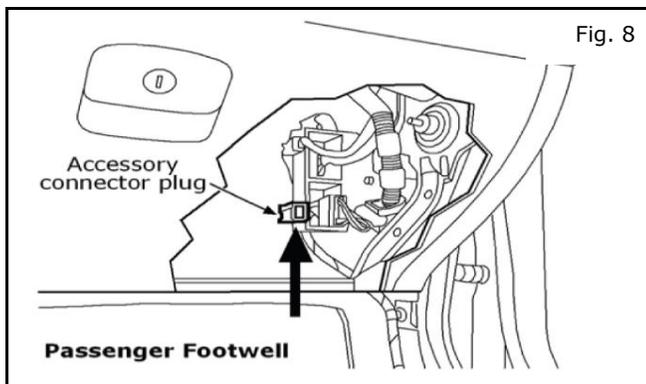
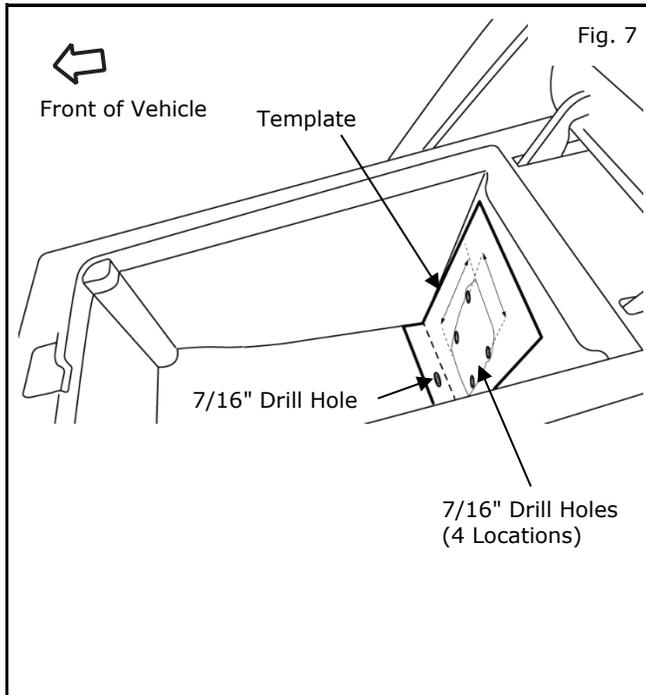
NOTE:

Ensure front retainer clip stays with panel.



- 3) Remove carpet from console box.

INSTALLATION PROCEDURE:



NOTE:

- When printing drill template, set page scaling to "NONE"
- Locate Wireless Charging module as shown. Failure to do so may impact vehicle operation.
- If vehicle is equipped with accent lighting, use caution not to damage bin light or wiring during wireless charger installation. Ensure charger does not interfere with bin light.

- 4) Drill hole locations in console.
 - a) Attach supplied templates to bottom and rear 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 rear of bin. See Figure.
 - 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 7/16" drill bit to finish holes.
 - e) Dry fit part to confirm fit.
- 5) Locate passenger side D-Opt connector located next to glove box on right side A-Pillar.

NOTE:

A previously installed accessory may be present. If so, carefully remove accessory connector harness from D-Opt connector before posi-tapping. It is recommended that all posi-tapping be completed before reattaching accessory connector harness to plug.

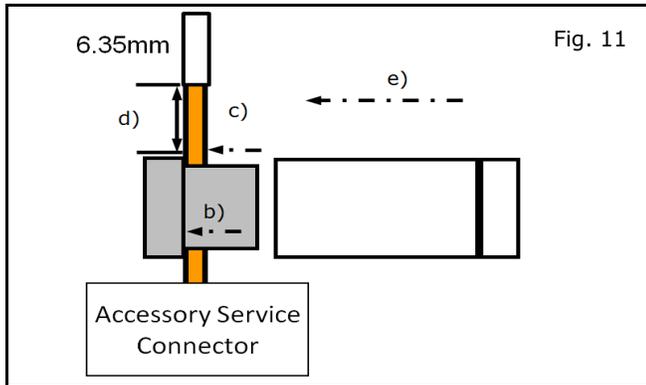
- 6) Connect wireless charger power harness to accessory connector harness using posi-taps.
 - a) Tap **BLACK** wire on wireless charger power harness to **BLACK (GND)** wire on accessory service connector.

NOTE:

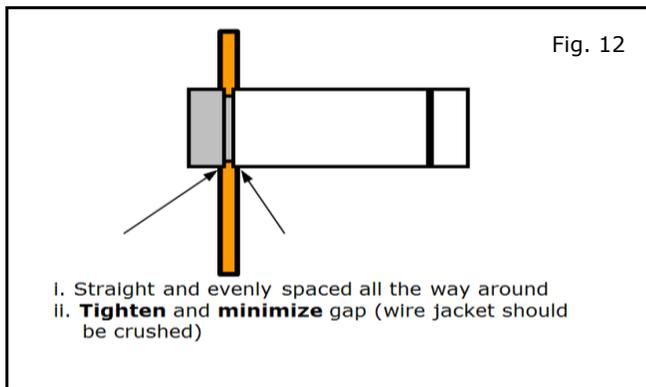
- Proceed to steps 6 through 8 for direction on how to posi-tap.
- For additional circuit information, refer to mech drawing at end of installation

- b) Tap **RED** wire on wireless charger power harness wire to **ORANGE (ACC)** accessory connector harness.

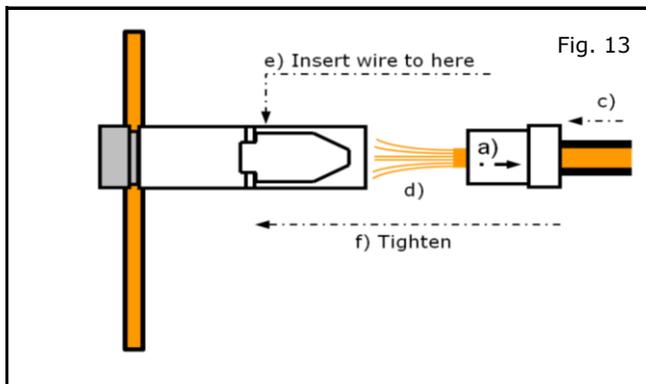
INSTALLATION PROCEDURE: POSI-TAP



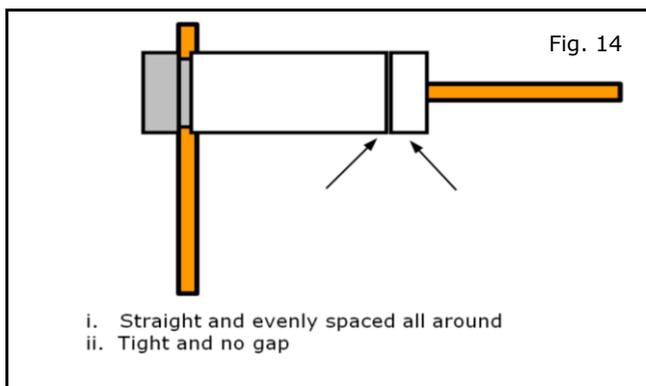
- 7) Posi-tapping an Accessory service wire (Fig. 11)
 - a) Identify and confirm correct wire in the Accessory Service Connector to be tapped.
 - b) Remove cap (slot side) from tap body.
 - c) Slide cap around single accessory wire.
 - d) Position cap $\geq 6.35\text{mm}(0.25\text{in})$ away from the 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.



- 8) Inspecting the tap for correct installation (Fig. 12).
 - 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

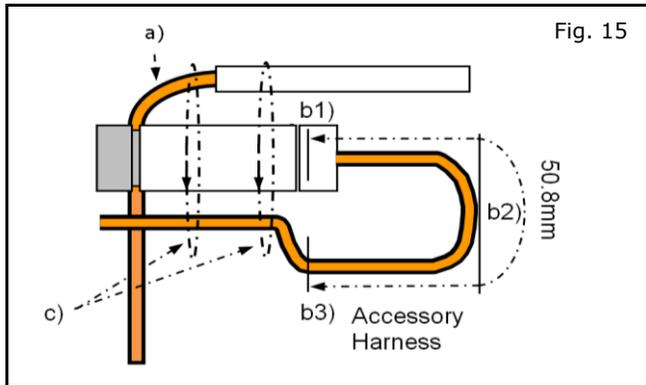


- 9) Tap accessory wire (Fig. 13).
 - a) Remove tap (non-pierce) side from tap.
 - b) Remove the protective stub from the wire.
 - c) Insert wire through the non-pierce side opening.
 - d) Spread the individual strands into fan shape.
 - e) Insert wire into the tap body and ensure that it is all the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

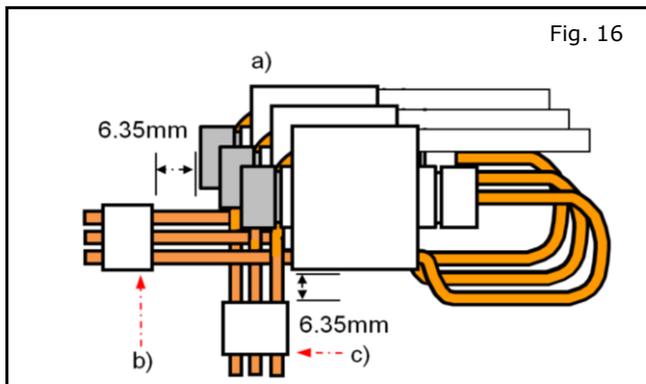


- 10) Confirm the tapped accessory wire.
 - a) Pull on the wire lightly to ensure connection.
 - b) Inspect the tap to ensure correct installation as shown in Fig. 14.

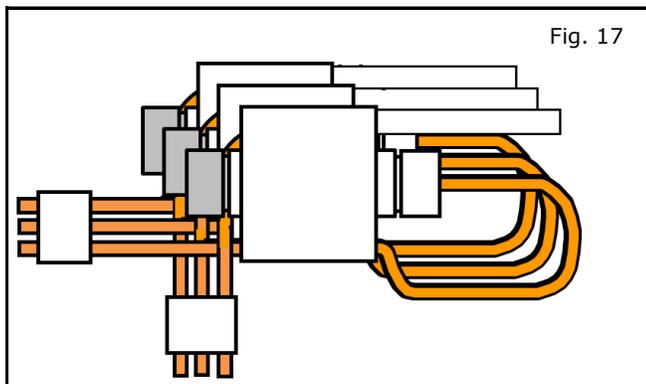
INSTALLATION PROCEDURE: POSI-TAP



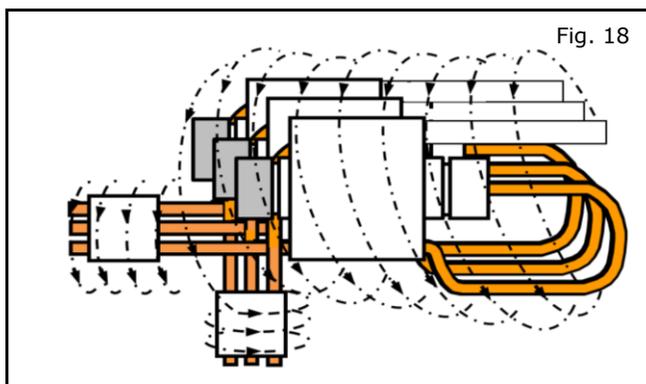
- 11) Forming strain relief loop - required (Fig. 15).
 - a) Gently bend end of pierced wire (where it exits cap) down towards body of posi-tap.
 - b) On tapped side wire; starting at point b1), measure 50mm to point b3). Make first bend of loop b2), half measured distance - 25mm, and up toward body of posi-tap, make second bend of loop b3).
 - c) Secure pierced wire on heat shrink side and tapped wire to body of tap with electrical tape (≥ 2 revolutions).



- 12) Securing multiple accessory taps (Fig. 16).
 - a) Tapped accessories (wires already secured to tap bodies) are stacked in a stagger on top of each other as shown in Fig a).
 - b) Secure tapped wires on connector side of posi-taps to each other with electrical tape (≥ 2 revolutions) at a distance of ≥ 6.35 mm as shown in Fig b).
 - c) Pierced wires of posi-taps are secured to each other with electrical tape (≥ 2 revolutions) at a distance of ≥ 6.35 mm (0.25in) as shown in Fig c).



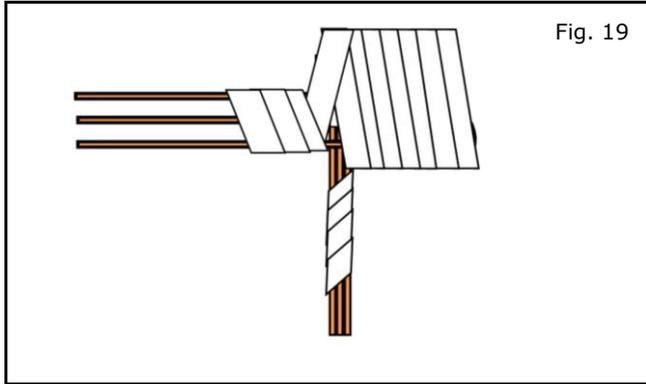
- 13) Securing multiple accessory taps (Fig. 17).
 - a) Make sure the accessory taps have been wrapped appropriately as detailed previously and as shown.



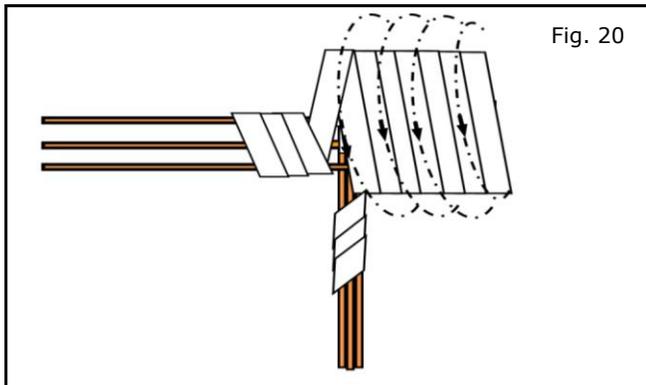
- 14) Securing multiple accessory taps
 - a) Starting at heat shrink; firmly wrap posi-tap bundle with electrical tape or non-adhesive wire harness tape, making sure to overlap previous revolution.

Note: If using non adhesive tape secure at the of wrap with electrical tape ≥ 2 revolutions.

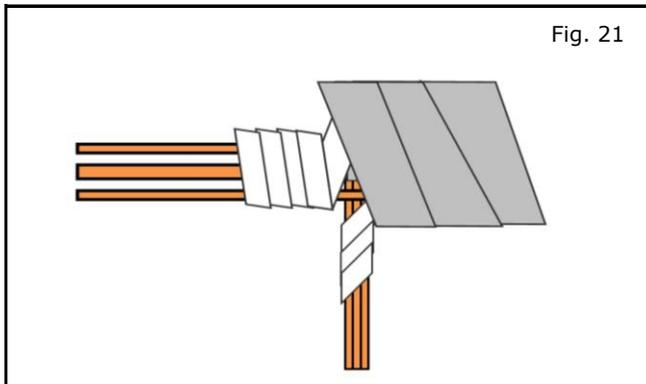
INSTALLATION PROCEDURE: POSI-TAP



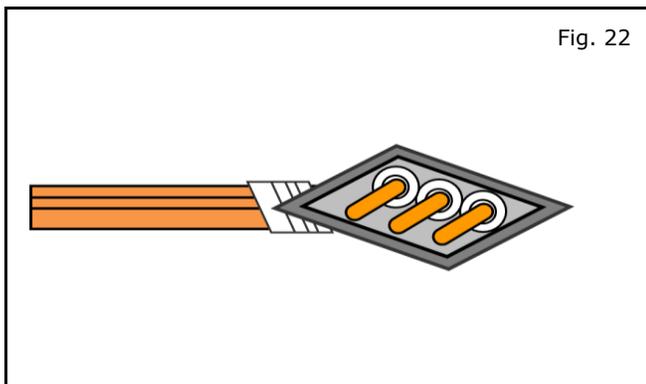
- 15) Securing multiple accessory taps
a) Make sure the finished wrap looks similar to Fig. 19.



- 16) 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.

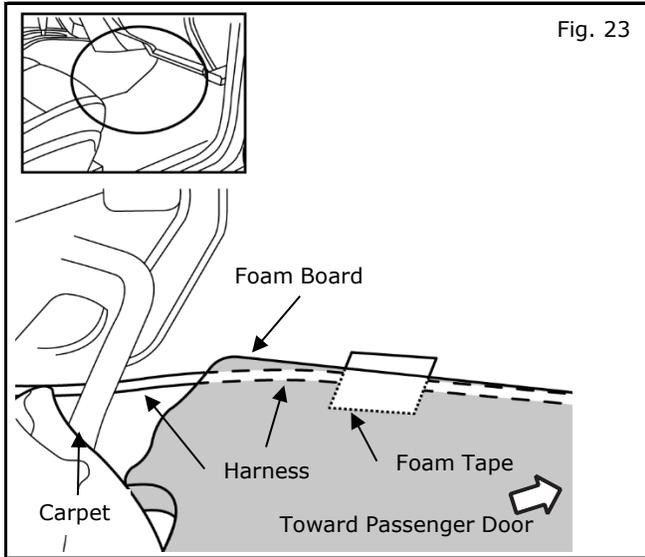


- 17) Finished foam wrap for bundle (strips-top view)
a) Make sure the finished wrap looks similar to Fig. 21.

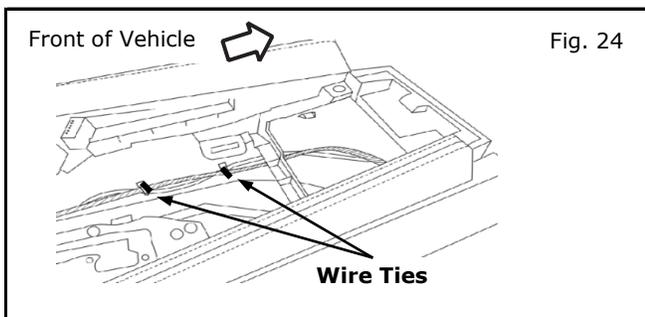


- 18) Finished foam wrap for bundle (strips-side view)
a) Make sure the finished wrap looks similar to what is shown in Fig. 22.

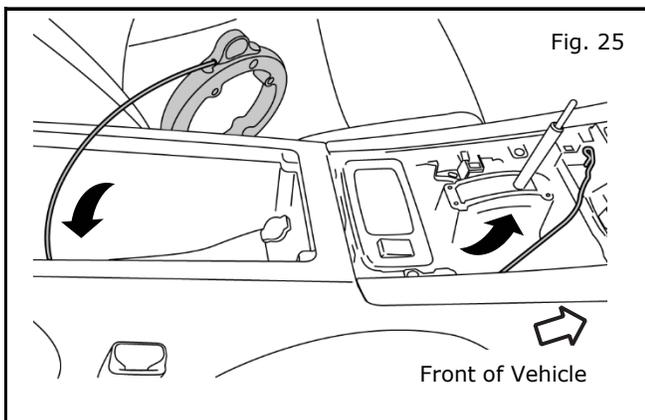
INSTALLATION PROCEDURE:



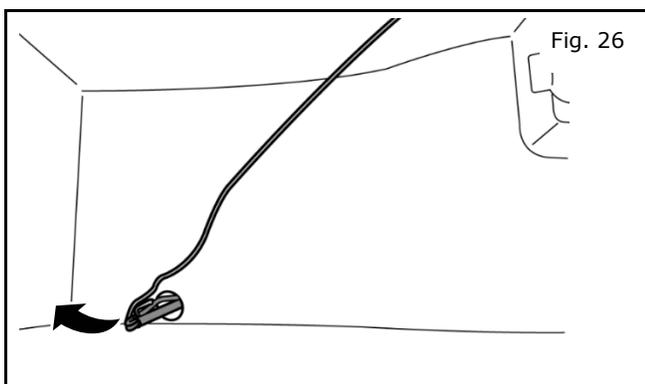
- 19) Route Wireless Charging harness.
 - a) Route harness under foam panel under carpet.
 - b) Route charger harness behind HVAC drain tube and to center console area.
 - c) Under foam board, secure harness to floor with foam tape.



- 20) Route Wireless Charging Harness3
 - a) Route charger harness to controller following the routing of the vehicle harness.
 - b) Install 2 wire ties as shown in Fig. 24.

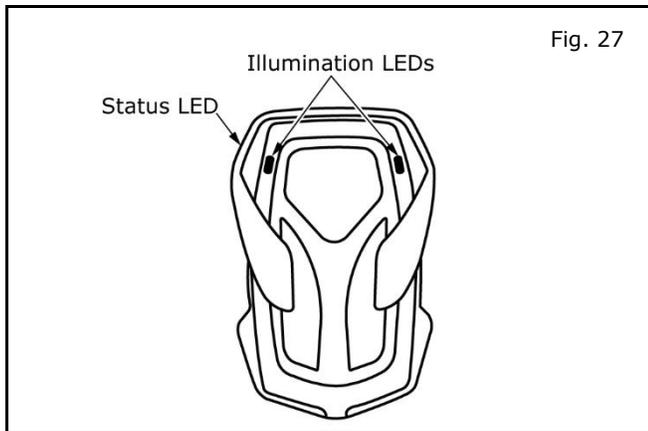


- 21) Fishing wire into console bin.
 - a) Feed fishing wire through previously drilled hole in console bin.

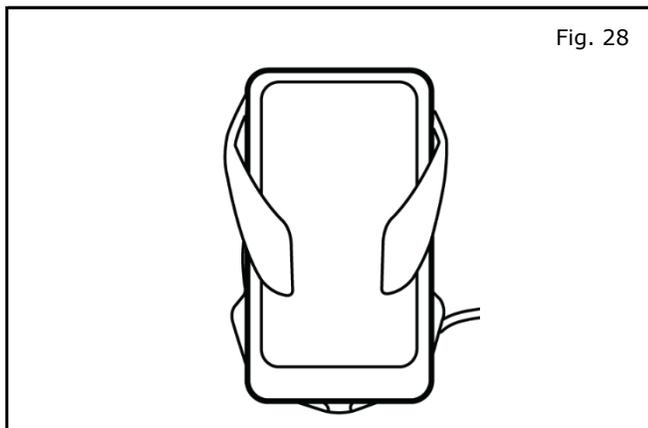


- b) Attach harness to fishing wire and route harness under and into console bin through hole in bottom of bin.

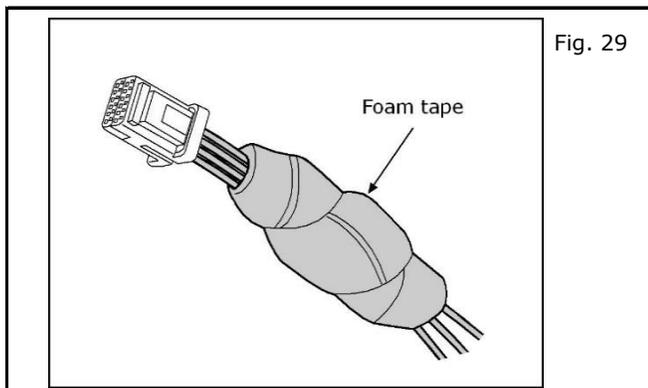
INSTALLATION PROCEDURE (Continued):



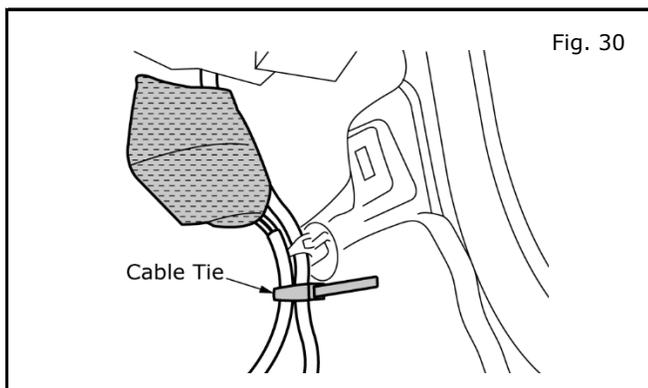
- 22) Check Wireless Charger module function.
- Connect Accessory Service Connector to D-Opt connector.
 - Connect harness to module.
 - Reconnect battery.
 - Place vehicle ignition in ACC position.
 - Two illumination LEDs will light, The status LED will blink RED and then turn off.



- 23) Check Wireless Charger module function (continued).
- Optional: If 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.
 - Turn off vehicle.
 - Disconnect battery.
 - Disconnect Accessory Service Connector.

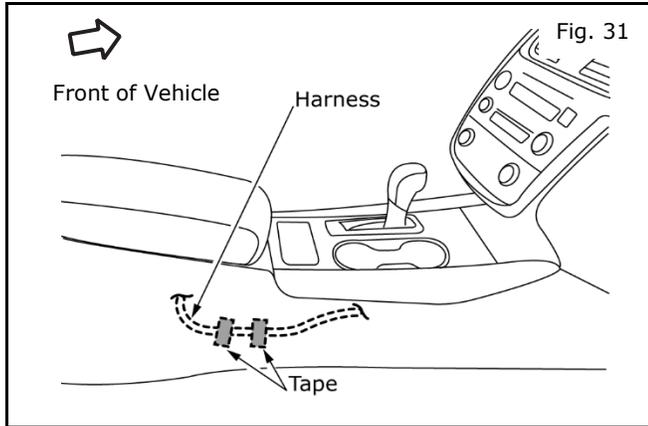


- 24) Wrap posi-taps with several pieces of foam tape.

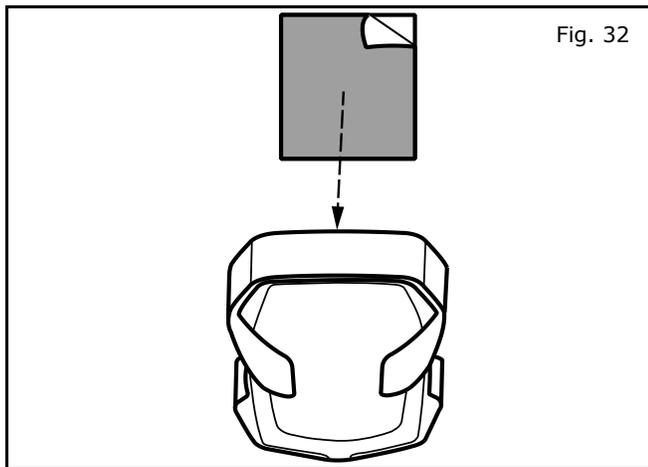


- 25) Secure bundle to existing harness near service connector using cable tie.

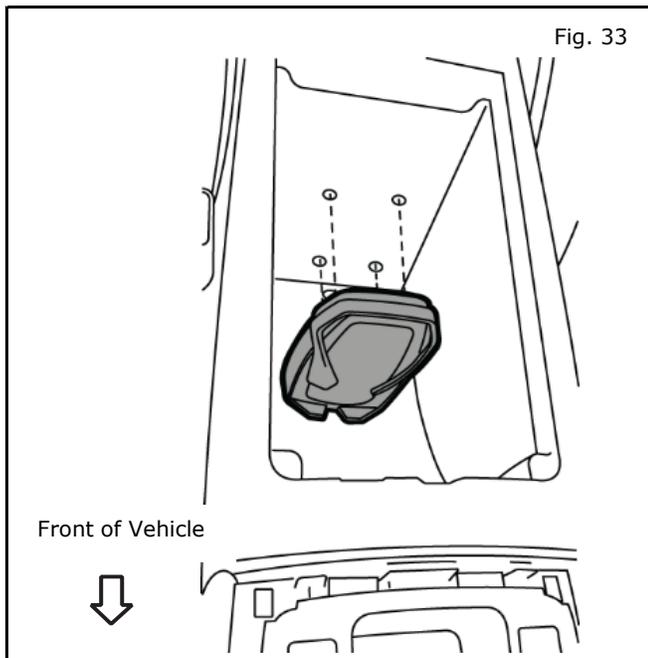
INSTALLATION PROCEDURE:



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



- 27) Install module to bin as follows.
- a) Remove liner from one side of double sided tape and adhere tape to back of module.
 - b) Remove liner from other side of double sided tape.



- 28) b) Align four bosses on back of module with four previously drilled pilot holes.
- c) Press and hold module to bin to allow module to adhere.

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.

- Reconnect Accessory Service connector to vehicle harness.
- 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, and verify accessory operation

FINAL INSPECTION:

- 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).
 - Confirm operation of heated seats if equipped.
- 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

Item	Part Description	Qty.	Service Part Number
	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	99F7 V3010
	Poly Bag - Large	1	

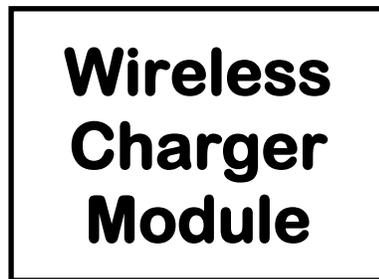
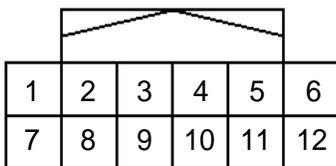
Wireless Charger

PASSENGER SIDE

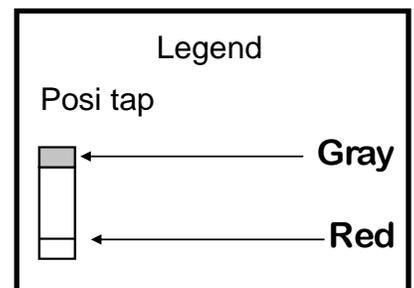
ACCY_SER_CONN



TH12FW-NH



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



⚠ 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.

DRILL TEMPLATE

SCALE
1 INCH

10 mm