



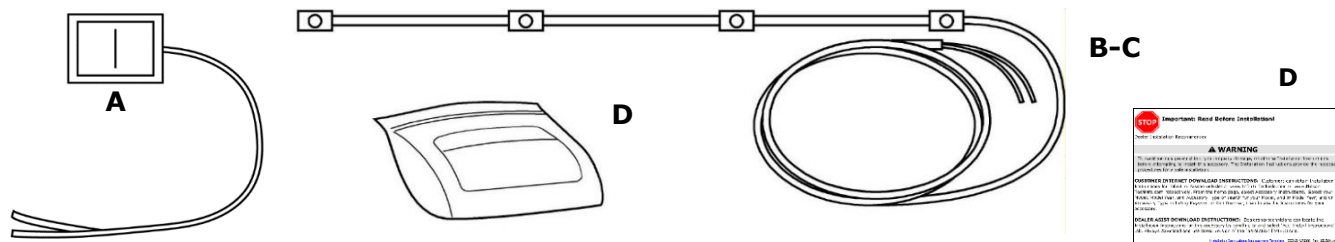
## GENUINE PARTS

### INSTALLATION INSTRUCTIONS

**DESCRIPTION:** Infiniti Welcome Lighting Kit  
**APPLICATION:** Infiniti Q60  
**PART NUMBER:** T99F4 5CH0B -Welcome Lighting Kit.  
 T99F4 5CH0BII - Installation Instructions (WEB)  
 999Q9 AY001 - Accessory Service Connector

#### KIT CONTENTS:

Item	QTY	Description	Service Part Number
A	1	Control module	T98F4 4RA1A
B	1	LED Assembly - RH	T98F4 5CH0C
C	1	LED Assembly -LH	T98F4 5CH0D
D	1	Hardware Kit (see BOM for details)	T98F4 5CH1E
E	1	Parts List / Replacement Template	999V2 AW000



#### ITEMS NOT IN KIT THAT MAY BE REQUIRED

AAA	2	Accessory Service Connector	999Q9 AY001
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**AAA**



#### TOOLS REQUIRED

- Trim stick
- 10mm sockets
- #2 Philips screwdriver
- Protective cloth
- Plastic deburring Tool
- Scissors, tape measure and metric scale
- 3/8", 3/16" and 1/2" drill bits, drill, drill stops.
- Electrical tape, masking tape.
- Protective gloves
- Needle nose pliers

#### 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 70-100°F

### ⚠ CAUTION

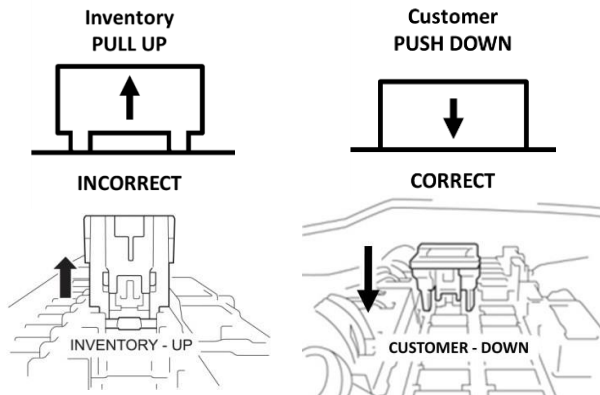
- This accessory must only be installed as specified in these instructions.
- Ensure at all times that parts are securely fitted and will not compromise the safe function of vehicle systems.

## INSTALLATION PROCEDURE: PRE-INSTALLATION CAUTIONS / NOTES

### ⚠ CAUTION

- Dealer installation recommended. Instructions may refer to Service Manual.
- Always perform seat reprogram procedure when battery terminal is removed (See Check Out)
- Power walk-in function will not operate normally if no initialization is performed.
- Please read this instruction carefully before installing this product for correct installation.
- If problem occurs during installation, contact Nissan dealer where product was purchased.

- 1) Apply parking brake
- 2) 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:
  - 2a) Locate the Extended Storage Switch in the cabin fuse block. Once located, check that it is in the "Customer" position. See below for reference.
  - 2b) To remove Transit Mode is by doing as follows:
    1. Remove fuse cover lid
    2. Push down shorting pin
    3. Ign On 2 times to ACCY position



To put Transit Mode back is by doing as follows:

1. Ign Off
2. Remove fuse cover lid
3. Pull up shorting pin
4. Assemble fuse cover lid
5. Ign On 2 times to ACCY position
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.

### ⚠ CAUTION

- Make sure the ignition is "OFF" before changing the switch position.

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	

**NOTE: E. S. S. is only an aid to improve battery life during vehicle storage at dealer. If E. S. S. fuse ever needs service after vehicle delivery, discard E. S. S. and install correct fuse in its place.**

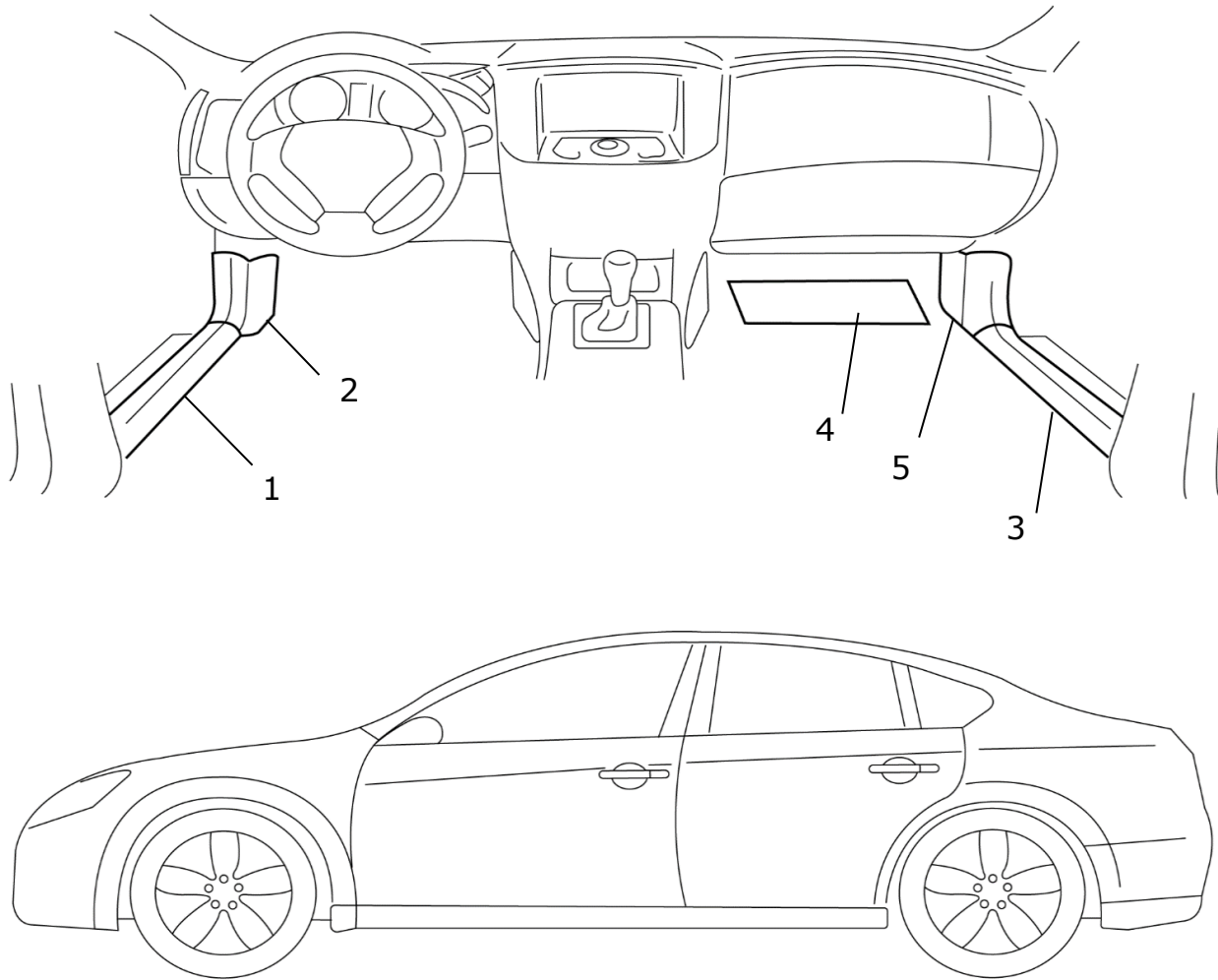
- 3) Turn ignition switch to "ON" position
- 4) Record the customer radio presets and other presets as required

Preset	1	2	3	4	5	6		

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

# INSTALLATION INSTRUCTIONS

## INSTALLATION OVERVIEW

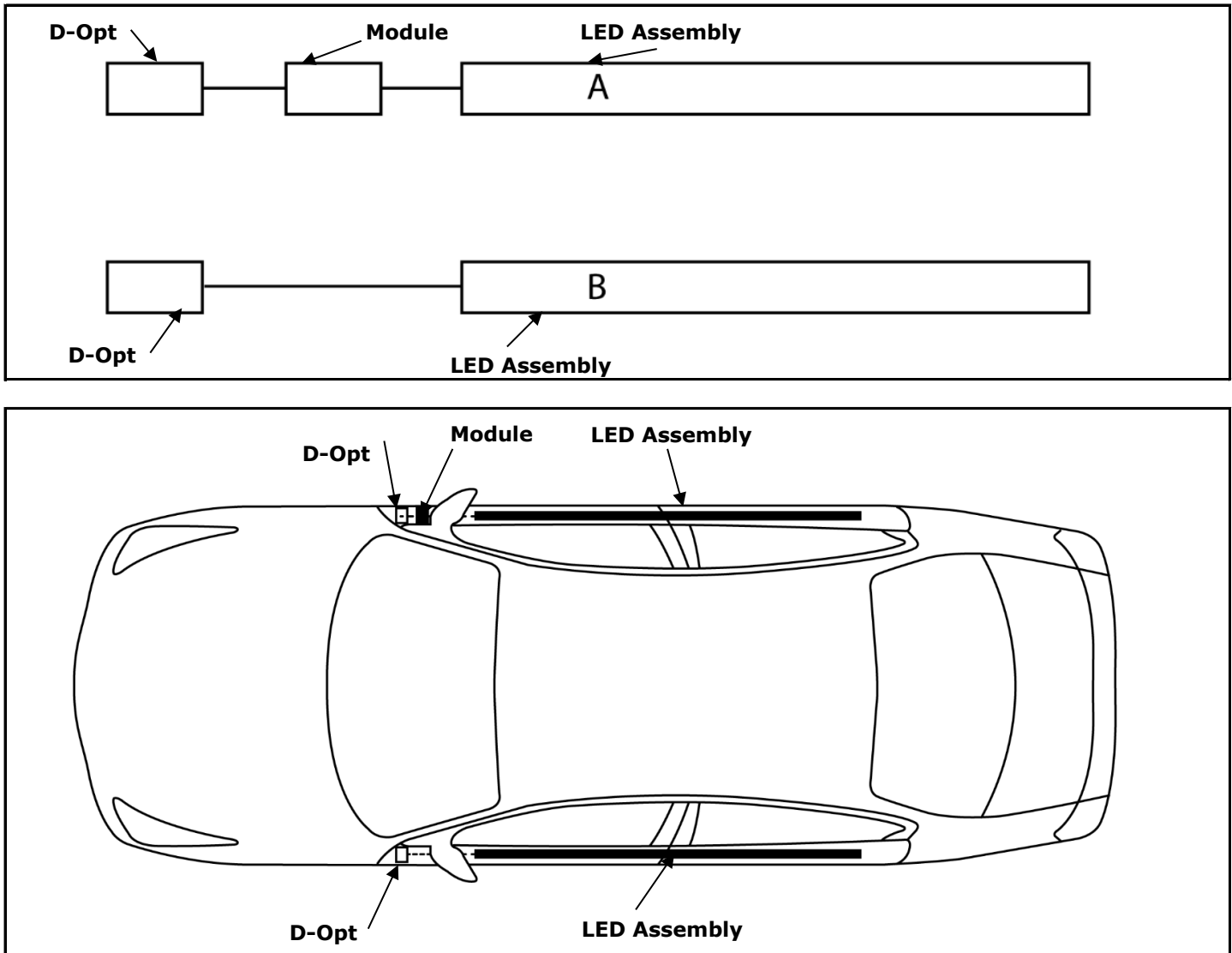


## **REMOVAL SEQUENCE**

1. Inner Front Kicking Plate, FR LH
2. Dash Side Finisher, FR LH
3. Inner Front Kicking Plate, FR RH
4. Instrument Lower Cover, RH
5. Dash Side Finisher, FR RH

# INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

## INSTALLATION OVERVIEW



## CRITICAL STEPS

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

- Location of the lights must be followed exactly as described in this instruction.
- Posi-Tap™ instructions must be specifically followed as described.
- Be sure to apply masking tape as needed in order to protect any areas that may become scratched or damaged by tools.
- Be sure to apply foam tape to any wiring components that can be damaged over time by sharp edges.
- Test the functionality of the kit before final clean up and reinstallation of interior panels.

# INSTALLATION INSTRUCTIONS

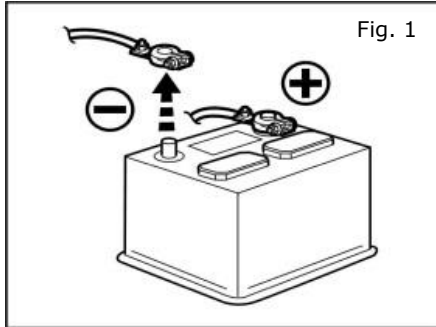
## VEHICLE PREPARATION

### **⚠ WARNING**

- **FOR VEHICLES WITH MANUALLY OPERATED SEATS:** Disconnect negative battery terminal **before**
- **FOR VEHICLES WITH POWER SEATS:** Disconnect negative battery terminal **AFTER** Step 3.

### **⚠ 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.



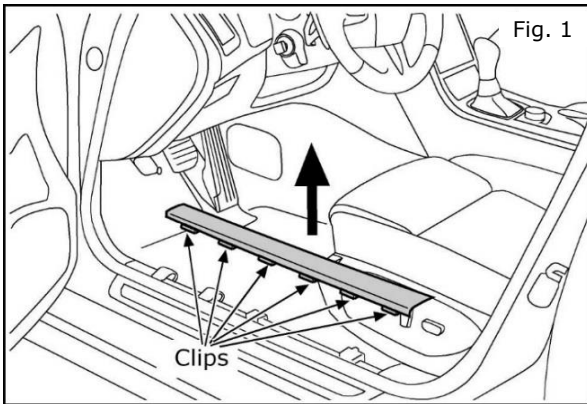
- 1) Disconnect negative battery terminal as shown.

## ORDER OF INSTALLATION

1. Remove panels and trim.
2. Prepare mud guards
3. Install LED Assemblies
4. Route Wiring
5. Install controller
6. Reinstall all panels
7. Final Check Items

# INSTALLATION INSTRUCTIONS

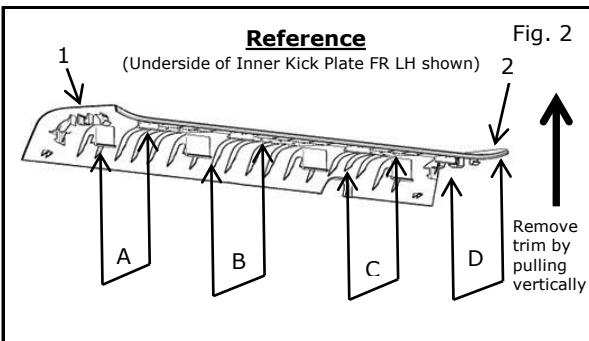
## VEHICLE PREPARATION:



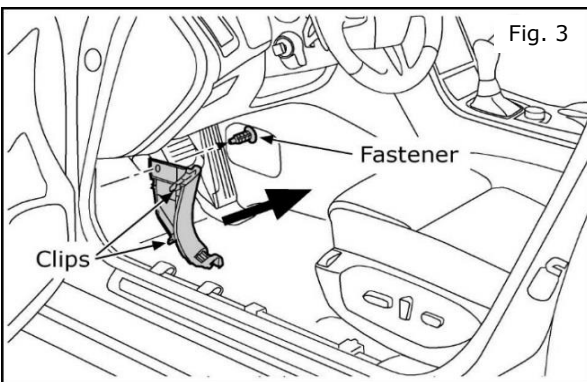
- 1) Use trim stick to carefully pry off trim panel at six (6) clip locations along bottom door seal. Remove footwell trim panel by pulling vertically.

### NOTE:

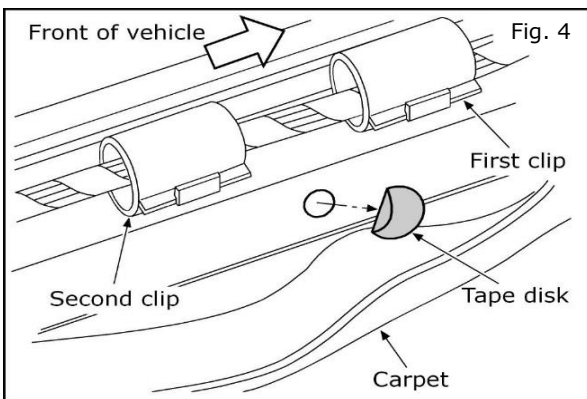
**Be careful not to damage clips on panel. See Fig. 2 for reference.**



- 2) Clips are located at locations labeled; 1, 2, and A thru D as shown. Note locations and orientations to avoid damage.



- 3) Remove one (1) fastener clip from the outer footwell trim panel (LH). Use a trim stick to carefully pry off the trim panel at clip locations shown in Fig. 3. Remove part horizontally toward center of vehicle.



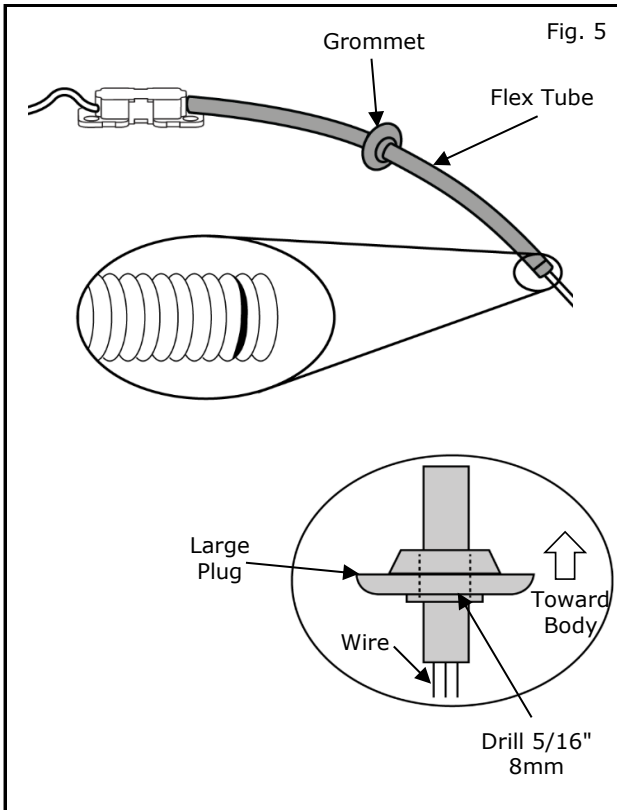
- 4) a) Remove carpet from attachment hooks on harness clips.  
b) Carefully peel back tape disk to expose access hole on inside surface of door sill. Hole is almost directly across from exterior access hole.
- 5) Repeat steps 1-4 on passenger side.

### NOTE:

**Lift vehicle for next steps Use caution when placing lift pads. Refer to users manual to identify lift points on body.**

# INSTALLATION INSTRUCTIONS

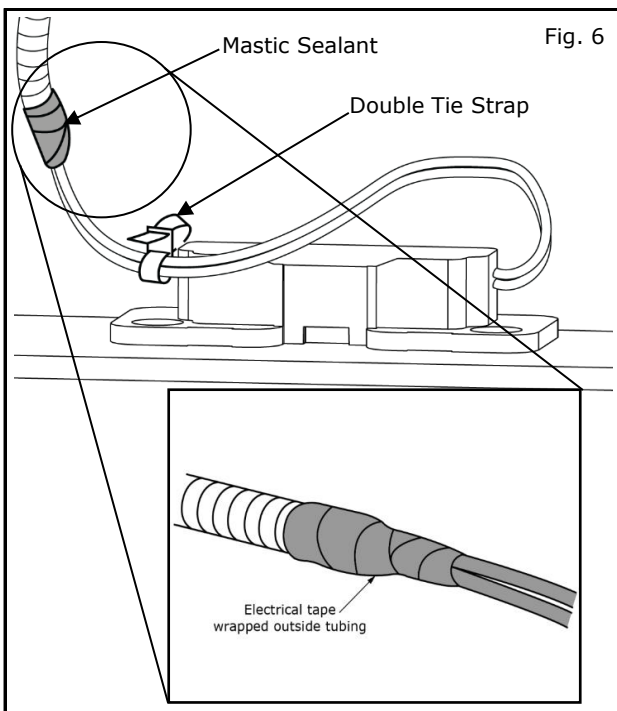
## • PRE-PREP LED POWER HARENSSES AS SHOWN IN STEPS 6-9 prior to installing



- 6) Install plug and flex tube.
  - a) Locate large plug in kit. Drill 5/16" (8mm) hole through center of plug. Feed flex tube through drilled plug.
  - b) Cut small slit in end of flex tube two coils from end that will go into body (on bevel side of grommet). Slide flex tube over wires extending from front LED module, over red and black wires.

### NOTE:

**Be sure the beveled side of the seal and the cut end are facing AWAY from LED module when inserting wire in convoluted tubing..**



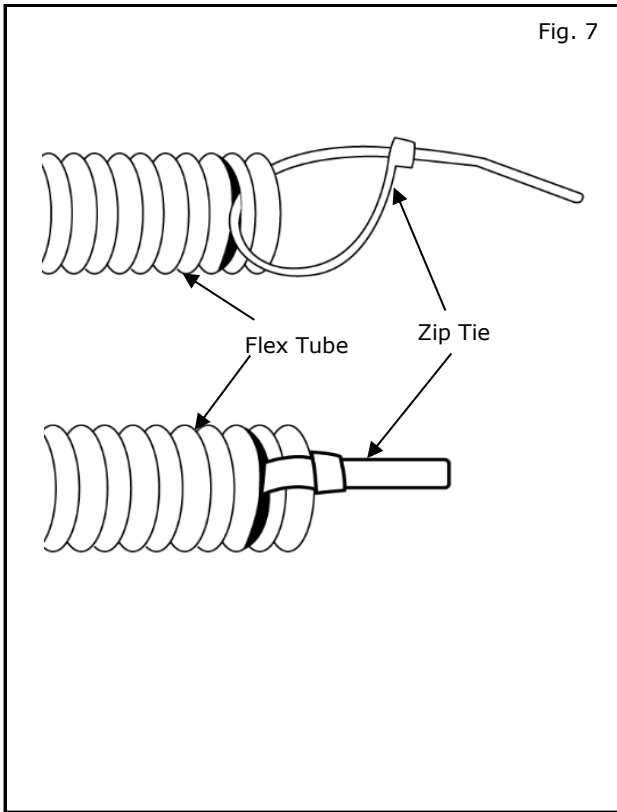
- 7) Apply mastic sealant to flex tube. Cover with electrical tape. Apply mastic approximately 4 inch from double tie strap on wire.

### NOTE:

**Two large and two small grommets will be used for this application, two small grommets will be extra in parts kit.**

# INSTALLATION INSTRUCTIONS

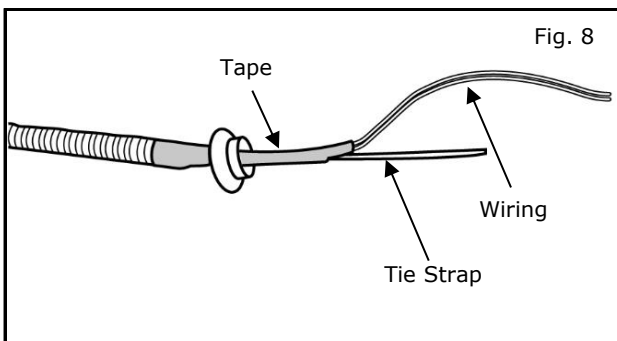
- PRE-PREP LED POWER HARNESSSES AS SHOWN IN STEPS 6-9 prior to installing LED STRINGS



- 8) Attach small tie strap through hole in flex tube and tighten as shown in Fig. 7.

**NOTE:**

**Make sure the tie strap is installed as shown.**



- 9) Tape harness end that feeds into body as above leaving out at least  $\frac{1}{2}$  of the tie strap tail. Wrap electrical tape around outside of flex tubing and wiring to seal and secure wiring. See Fig. 8.

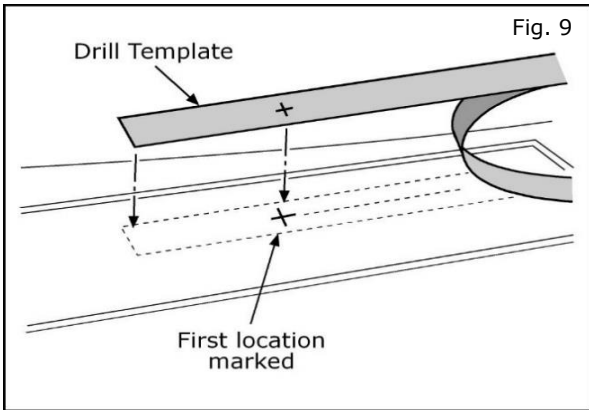
**NOTE:**

**Two large and two small grommets will be used for this application, two small grommets will be extra in parts kit.**



## INSTALLATION INSTRUCTIONS

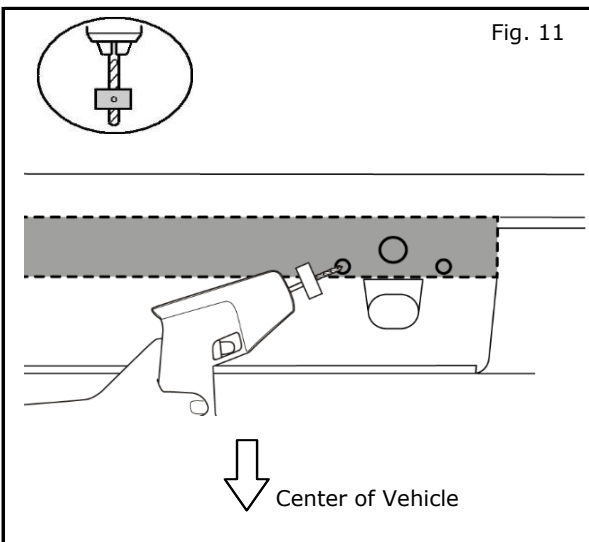
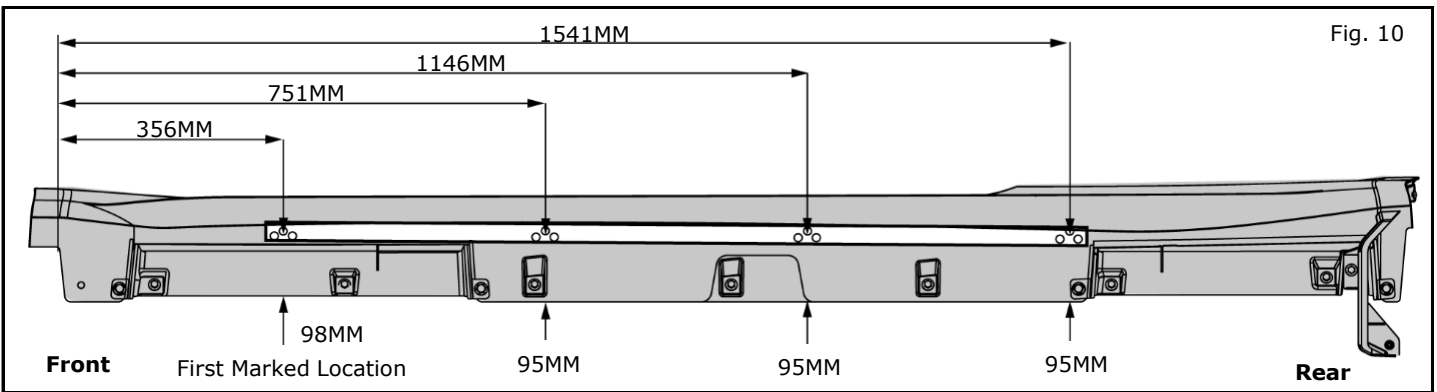
## VEHICLE PREPARATION



- 10) Welcome lights are installed with center side skirts on vehicle.  
Wipe bottom of side skirt and prepare for drill template.  
Mark side skirt as shown in fig 9.
- 11) Apply drill template by peeling adhesive backing off template and aligning first drill mark with starting hole position as marked on mud guard. Carefully apply template along length of mud guard while on vehicle.

**NOTE:**

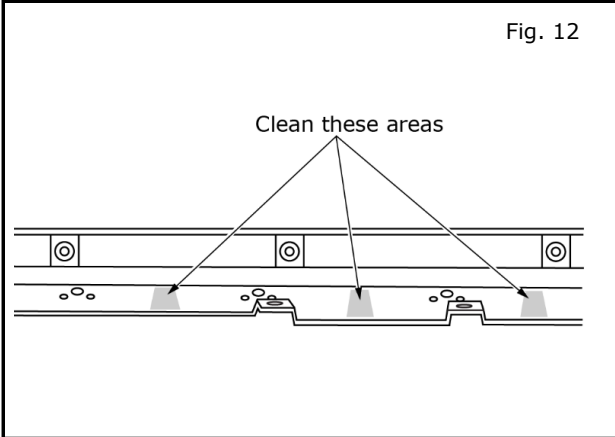
- **Be sure to keep center drill marks on template at measurements indicated in Fig 10 relative to inside edge of mud guard.**
- **Drill template is to be applied conforming to surface changes.**
- **Ensure the correct template is used for each vehicle.**



- 12) Using **Step drill** bit , drill four holes 1/2" for LED's and eight 3/8" holes for push pins shown on template. Deburr each hole so there is no flashing or shoulder from drill.
- 13) Repeat steps 10 through 12 for for passenger side.

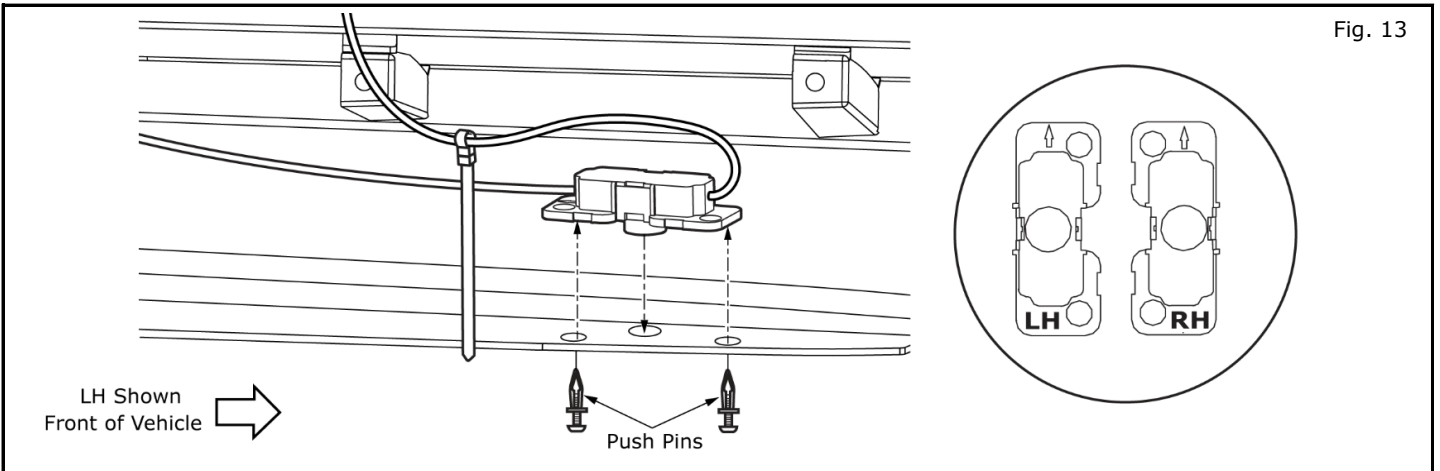
# INSTALLATION INSTRUCTIONS

Fig. 12



- 14) Remove (6) bolts and (3) push pin from inside edge of side skirt. Clean inside surface of side skirt where LED modules and retaining tape will be mounted with an alcohol prep pad(s) at areas shown. Wipe both side skirt. Allow minimum of 1 minute to be sure alcohol is completely dry.

Fig. 13

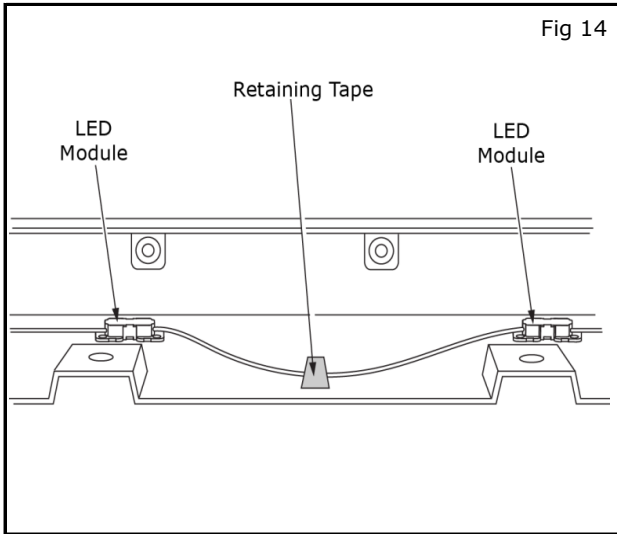


- 15) Starting at end module without wires at both ends, carefully feed LED string through side skirt from front of vehicle to rear of vehicle. Place lens of LED into last hole, being sure to align attachment holes with holes in side skirt, use two (2) push pin fasteners to attach LED bracket to side skirt as shown. Continue attaching LED's towards front of vehicle for remaining length of side skirt.

**NOTE:**

- Verify before attachment that you are using the LED string marked "LH" with the left side skirt and marked "RH" with the right side side skirt (see Fig. 5).
- It may be necessary to first blow out the inside of the side skirt with compressed air and/or wipe with a damp cloth.
- Be sure installation temperature is within a range of 70-100°F for adhesive to adhere to center side skirts.

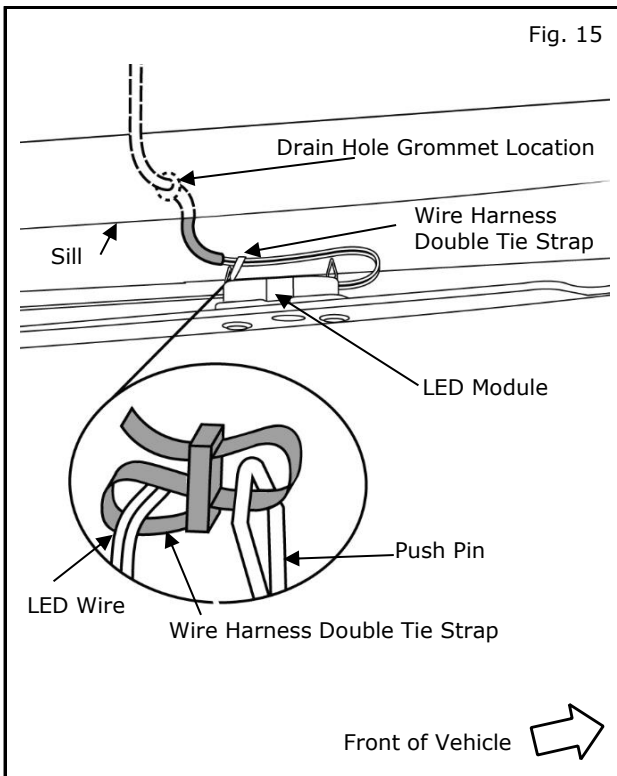
# INSTALLATION INSTRUCTIONS



- 16) Repeat Step 6 with remaining three LED modules. Ensure wiring between module does not become twisted as you are installing to side skirt. Once all LED modules are in place use a piece of retaining tape and secure wiring as shown.

## CAUTION

**Pull the wires between the module toward the middle of the vehicle (as shown in Fig. 9) before taping to prevent wire damage if the Rocker Molding strip is added to the mudguards.**



- 17) On outside surface of side skirt, locate larger hole and remove tape as shown in Fig. 15 (discard).

- 18) Attach wire harness double tie strap to push pin loop as shown in Fig 15. Route flex tube toward body sill hole shown.

### NOTE:

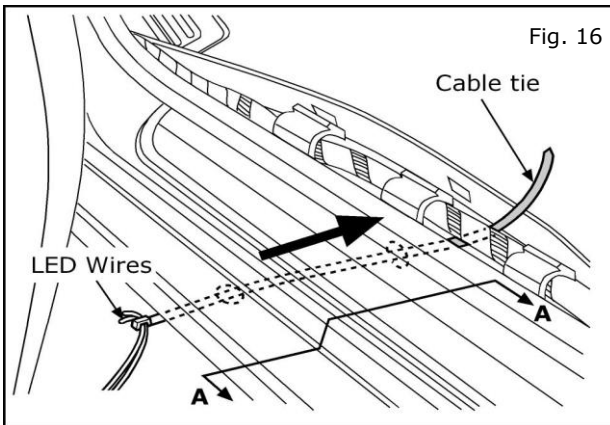
**Ensure wire harness double tie strap is attached to wire and push pin EXACTLY as shown.**

### NOTE:

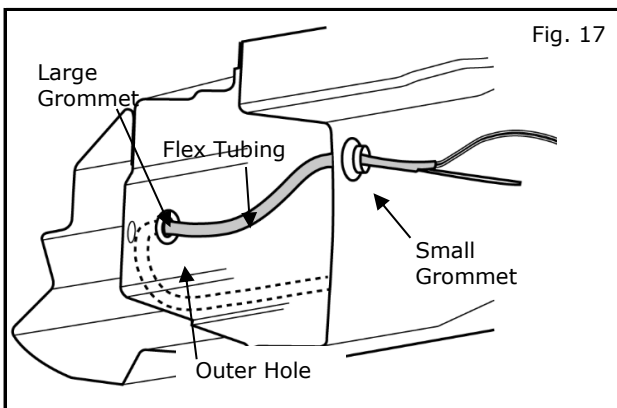
**LOWER vehicle enough to feed harness through sill.**

# INSTALLATION INSTRUCTIONS

## INSTALLATION



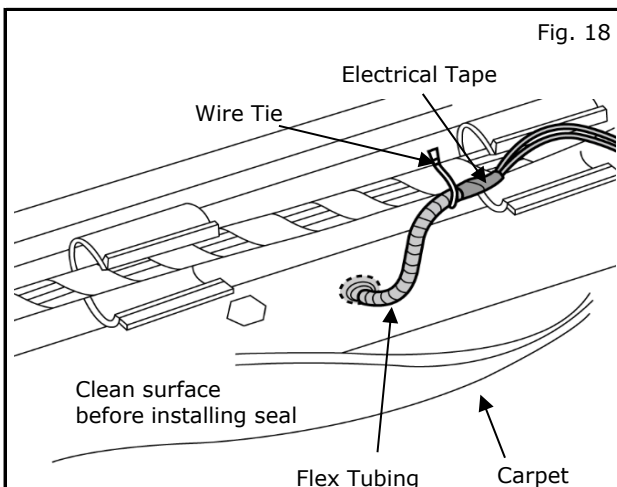
- 19) Feed wires through end of long cable tie. Use cable tie to route wires through hole in side of vehicle outside sill to inside, through access hole inside door sill.



- 20) Once wires are fed through inner hole, feed wires through one small grommet and seat grommet in inner sill hole. Insert seal lip in bottom of hole and use trim tool to completely seat grommet in hole.

Once small grommet is seated, pull flex tube through grommet using tie strap tail. Do not pull on wires to feed through hole.

After the convolute is through the grommet cut the end of the tie strap off even with the tape.



- 21) Pull excess flex tube inside vehicle. Tie strap as shown every 100-120mm.

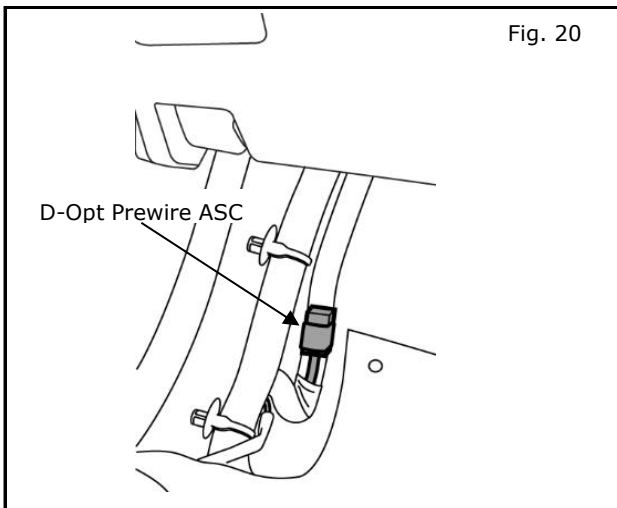
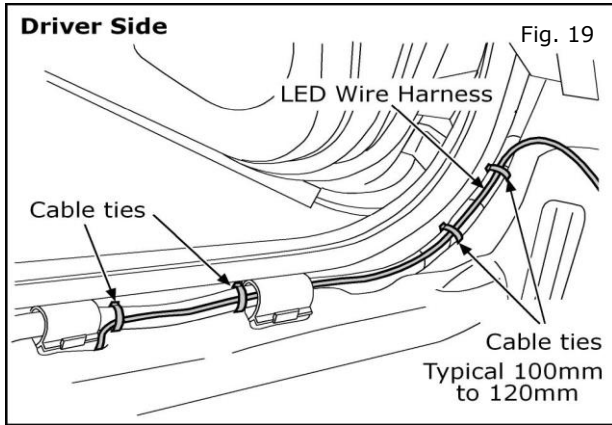
- 22) **Repeat steps 10-21 on opposite side of vehicle.**

# INSTALLTION INSTRUCTIONS

## INSTALLATION

### CAUTION

- If a vehicle wire is being used by another accessory and a posi-Tap is present, tap the accessory wire **NOT** the vehicle wire.



### DRIVER'S SIDE

- 23) Route wires from driver side up towards the dash by running wires along the existing harness and securing with cable ties.

#### NOTE:

**Recommended spacing for cable ties is 100mm to 120mm. Position cable ties as shown.**

- 24) Prepare Driver side Accessory connector:
- a) Locate driver side D-Opt Connector plug. It will be taped to harness below dash along outer wall of footwell.
  - b) A previously installed accessory may be present. If so, carefully remove the accessory connector harness from the accessory connector plug and remove all foam tape before posi-tapping. It is recommended that all posi-tapping be completed before reattaching the accessory connector harness to the plug.
  - c) If there is not a previously installed accessory, remove the dummy plug in connector. See detail.

#### NOTE:

**REFER TO ACCESSORY CONNECTOR DIAGRAM ON PAGE 14 and Mechanization B-1.**

#### NOTE:

**If there is not an Accessory Service Connector present in the passenger side connector order from service dept. REFERENCE PART NUMBER 999Q9 AY001.**

# INSTALLATION INSTRUCTIONS

## ACCESSORY CONNECTOR MECHANIZATION: FOR DRIVER SIDE L.E.D. HARNESS ONLY

### 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 said connector being mentioned herein 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.

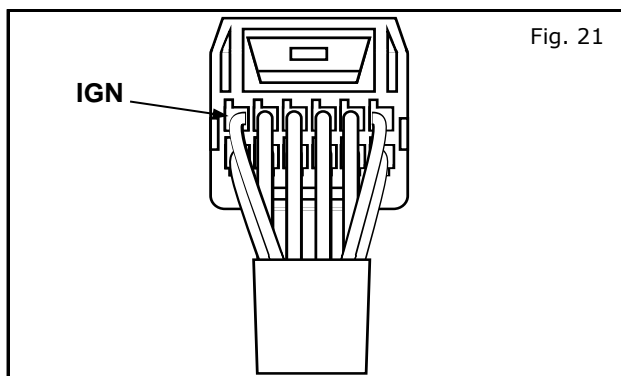


Fig. 21

25) Locate ignition wire on Accessory Service Connector.

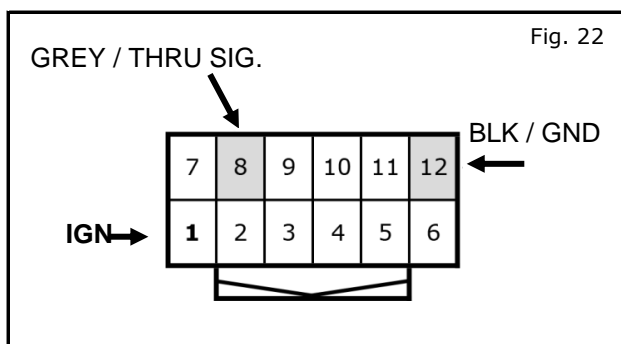


Fig. 22

### NOTE:

**Pin location in Fig. 21 is referenced looking into face of connector**

- 26) Use posi-taps to connect wiring as follows (see posi-tap instructions on pages A1-3):
- a) **Black** wire from LED Harness to **Black** wire on Accessory Service Connector Harness.
  - b) **Red** wire from the LED Harness to the **Grey** wire on the Accessory Service Connector Harness.

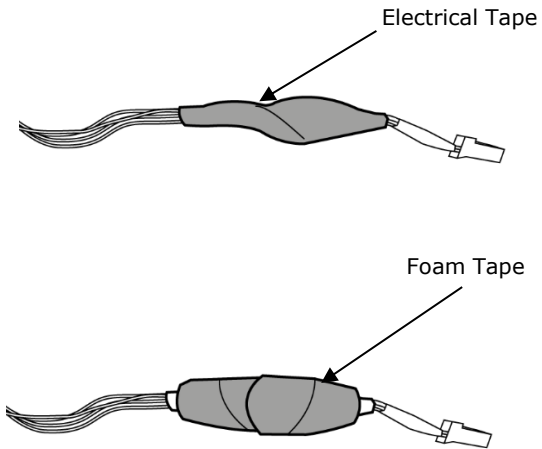
Fig. 23

999Q9 AY001		
Pin	Label	Color
1	IGN	WHITE
2	BAT	RED
3	TL_LMP	PURPLE
4	RM_LMP	YELLOW
5	BATSVR	PINK
6	FR_DR_SW_RH	DK GRN
7	FR_DR_SW_LH	LT GRN
8	THRU SIGNAL 1	GREY
9	RR_DR_RH	DK BLUE
10	RR_DR_LH	LT BLUE
11	ACC	ORANGE
12	GND	BLACK

# INSTALLATION INSTRUCTIONS

## INSTALLATION

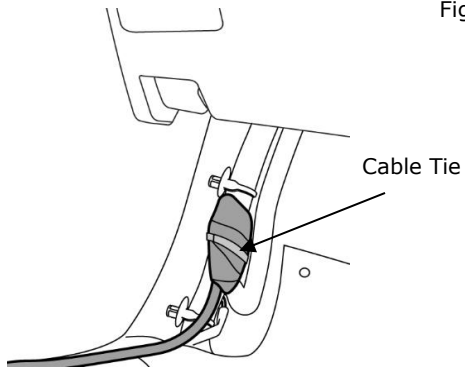
Fig. 24



27) Wrap posi taps and any excess wiring from LED harness to the Accessory connector harness and with electrical tape as shown.

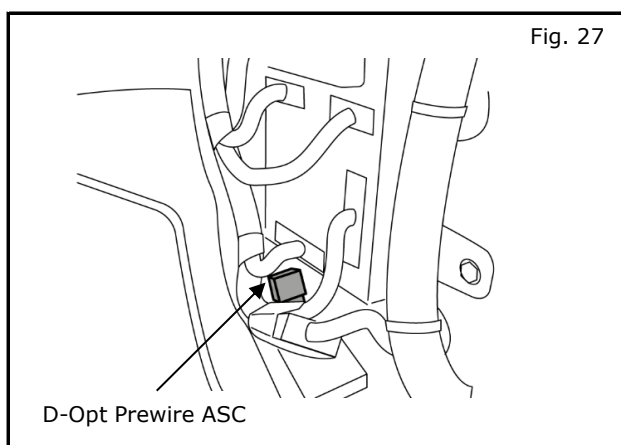
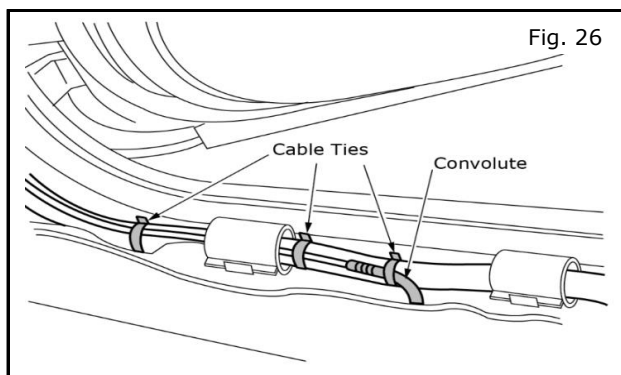
- a) After wrapping in electrical tape cover bundle with foam tape.
- b) Plug Accessory Connector Harness into vehicle connector plug on driver side.
- c) Tie strap posi taps and excess harness to main harness as shown.

Fig. 25



# INSTALLATION INSTRUCTIONS

## INSTALLATION



### PASSENGER SIDE

- 28) Route wires from passenger side up towards dash by running wires along existing harness and securing with cable ties.

#### NOTE:

**Recommended spacing for cable ties is 100mm to 120mm. Position cable ties as shown.**

- 29) Prepare Passenger side Accessory connector:

a) Locate driver side D-Opt Connector plug. It will be taped to harness below dash along outer wall of footwell.

b) A previously installed accessory may be present. If so, carefully remove the accessory connector harness from the accessory connector plug and remove all foam tape before posi-tapping. It is recommended that all posi-tapping be completed before reattaching the accessory connector harness to the plug.

c) If there is not a previously installed accessory, remove the dummy plug in connector. See detail.

#### NOTE:

**REFER TO ACCESSORY CONNECTOR DIAGRAM ON PAGE 17 and Mechanization B-2.**

#### NOTE:

**If there is not an Accessory Service Connector present in the passenger side connector order from service dept. REFERENCE PART NUMBER 999Q9 AY001.**

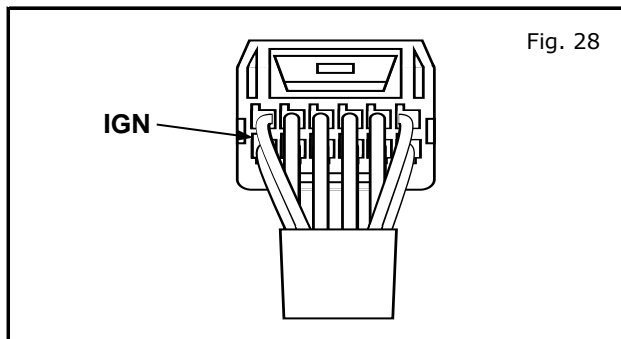


# INSTALLATION INSTRUCTIONS

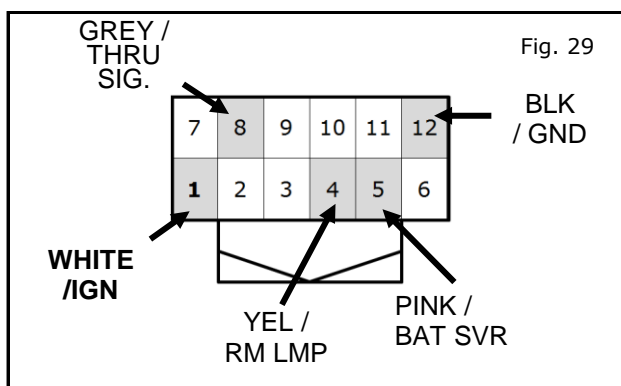
## ACCESSORY CONNECTOR MECHANIZATION: PASSENGER SIDE L.E.D. HARNESS ONLY

### ⚠ 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 said connector being mentioned herein 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.



30) Locate ignition wire on Accessory Service Connector



### NOTE:

Pin location in Fig. 29 is referenced looking into face of connector

- 31) Use posi-taps to connect wiring as follows (see posi-tap instructions on pages A1-3):
- Black** wire from Control Module to **Black** wire on Accessory Service Connector Harness.
  - Purple** wire from Control Module to **Pink** wire on Accessory Service Connector Harness.
  - Green** wire from Control Module to **White** wire on Accessory Service Connector Harness.
  - White** wire from Control Module to **Yellow** wire on Accessory Service Connector Harness.
  - Orange** wire from the Control Module to **Grey** wire on the Accessory Service Connector Harness.
  - Black** wire from LED Harness to **Black** wire on the Controller Module Harness.
  - Red** wire from LED Harness to **Orange** wire on Controller Module Harness.

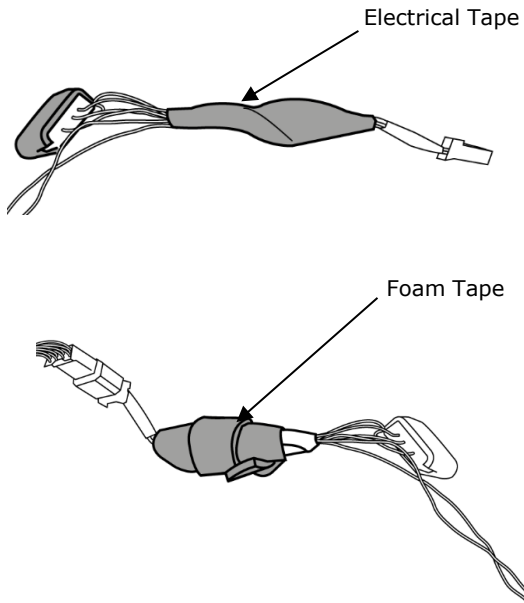
Fig. 30

999Q9 AY001		
Pin	Label	Color
1	IGN	WHITE
2	BAT	RED
3	TL_LMP	PURPLE
4	RM LMP	YELLOW
5	BATSVR	PINK
6	FR_DR_SW_RH	DK GRN
7	FR_DR_SW_LH	LT GRN
8	THRU SIGNAL 1	GREY
9	RR_DR_RH	DK BLUE
10	RR_DR_LH	LT BLUE
11	ACC	ORANGE
12	GND	BLACK

# INSTALLATION INSTRUCTIONS

## INSTALLATION

Fig. 31

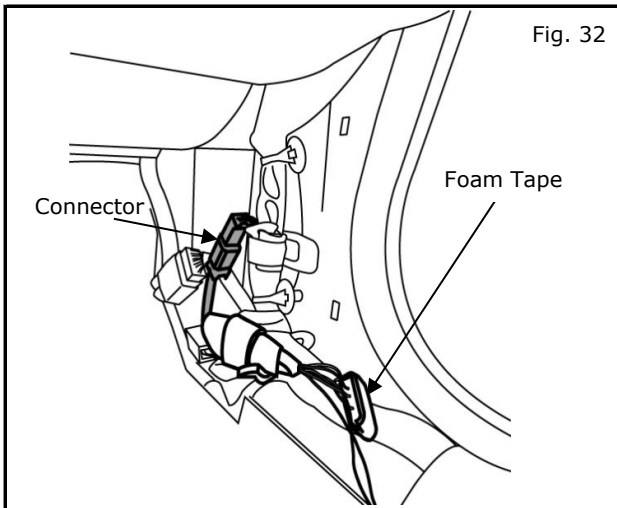


27) Wrap posi taps and any excess wiring from LED harness to the Accessory connector harness and with electrical tape as shown.

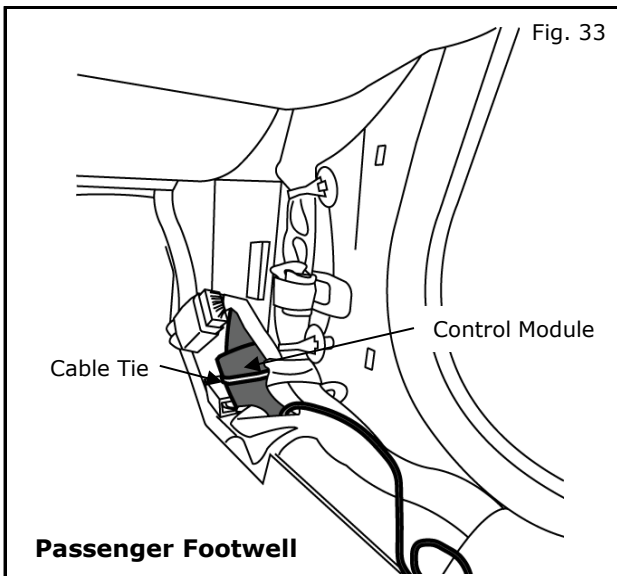
- a) After wrapping in electrical tape cover bundle with foam tape.
- b) Plug Accessory Connector Harness into vehicle connector plug on driver side.

# INSTALLATION INSTRUCTIONS

## INSTALLATION



- 32) a) Wrap module in foam tape.  
b) Plug accessory connector harness into vehicle connector plug on passenger side.



- 33) Use a cable tie to secure Control Module, connector and any excess bundled wiring to existing harness as shown. Fig. 33.

### NOTE:

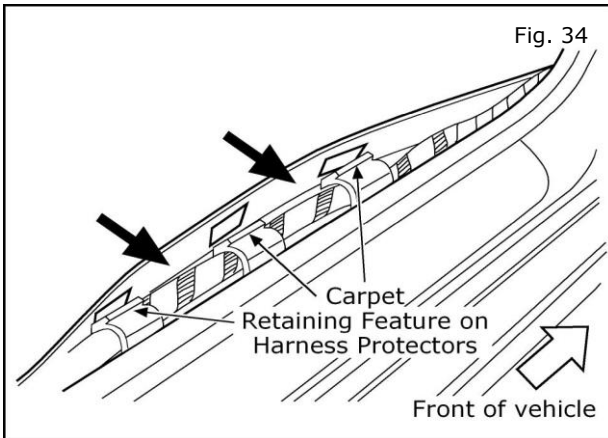
**Reconnect Battery. Allow 3 minutes after positive terminal reconnect before separating or reconnecting any connectors.**

### NOTE:

**Perform functional check of the system using check out procedures on page 20.**

# INSTALLATION INSTRUCTIONS

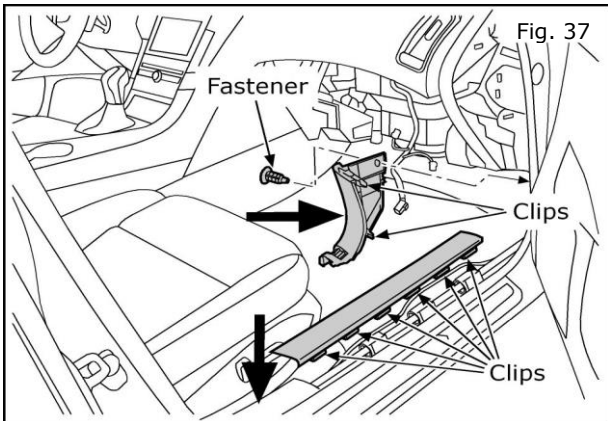
## INSTALLATION



34) Reinstall carpet edge inside the passenger side door sill.

**NOTE:**

**Be sure to align and secure the rectangular carpet holes with the carpet retaining features on the harness protectors.**



35) Reinstall the passenger side outer footwell trim panel and one (1) fastener clip.

Reinstall the passenger side trim panel along the bottom door seal.

**NOTE:**

**Be sure all clips are properly aligned. Be careful not to damage any clips on the panels during reinstallation.**

36) **REPEAT STEPS 34 AND 35 FOR DRIVER SIDE OF VEHICLE.**

# INSTALLATION INSTRUCTIONS

## CHECK OUT

Inspect the vehicle for unfinished work.

- ☐ Close all doors.
- ☐ Using the keyless entry fob, press the door unlock.
- ☐ Verify the security lighting turns on and off with the dome lamp in the car.
- ☐ Enter the car and press the door unlock and then start the car.
- ☐ Verify the welcome lamps turn off when the car starts.
- ☐ With the car running, shifter in park, open the door and verify the lights remain off.
- ☐ Turn off car and open door again and verify welcome lights and dome lamp come on when door is opened.
- ☐ Unlock the doors, wait and then lock the doors. The welcome lighting should turn off quickly with the dome lamp.
- ☐ Verify that trunk release switch located inside glovebox operates properly.
- ☐ Check and clear trouble codes (DTC).
- ☐ Check power window auto-up control. If it is not functioning properly, hold switch in "up" position for 5 seconds.
- ☐ If vehicle will be returned to dealer lot or showroom for an extended period of time, be sure extended storage switch is placed in "inventory" position. (Refer to section 9 - Vehicle Preparation)
- ☐ If vehicle is NOT going into storage, reset the radio presets to the recorded settings.

## CAUTION

- **You must perform seat reprogram procedure when battery terminal is removed.**
- **Power walk-in function will not operate normally if seat reprogram is not performed.**
- **If problem occurs during installation, contact Nissan dealer where product was purchased.**

- ☐ Perform seat reprogram procedure, vehicle **should not** be running.
- ☐ Activate power walk-in function and let the seat be slid to the front edge.
- ☐ If the seat position is already at the front edge, slide the seat backward once and then active power walk-in function

**Note: When diagnosing electrical system problems, first disconnect the accessory connectors and note effect on system. Continue the investigation with the accessory connectors disconnected. Remember to reconnect the accessories when the investigation is complete.**

Posi-Tap™ 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.

# INSTALLATION INSTRUCTIONS

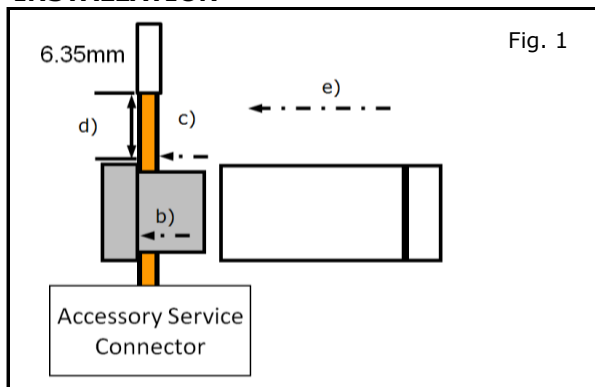
## BILL OF MATERIALS

### Welcome Lighting Kit - T99F4 5CH0B

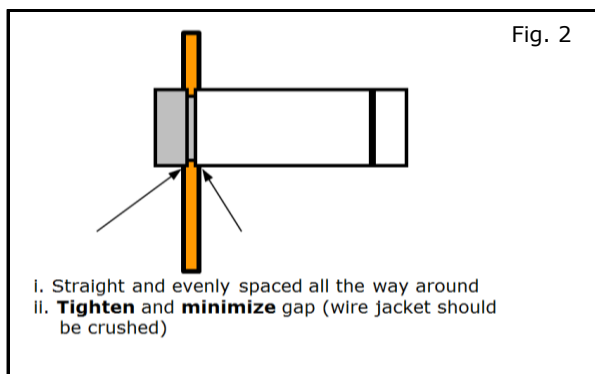
	Parts Contained in Bag Labelled 'Installation Kit'.	Qty	Part Number
1	Control module	1	T98F4 4RA1A
2	LED Assembly (within polythene bag) -RH	1	T98F4 5CH0C
3	LED Assembly (within polythene bag) - LH	1	T98F4 5CH0D
4	Hardware Kit	1	T98F4 5CH1E
5	Drill Template Q60 (D53H)	1	
6	Wire retaining rectangle 40mm x 20mm - Adhesive one side	8	
7	Posi-tap connector - Red / Grey	9	999M1 VT000
8	Cable tie 4" - Black	14	
9	Cable tie 11" - Black	7	
10	Wire Tie, 30 in. Nylon 66, White (522 X 8.8 X 1.95 MM)	1	
11	Push Pins	16	PWK-M60-0630-05
12	Alcohol preparation wipe	4	
13	Grey foam rectangle 80mm x 30mm x 5mm - Adhesive one side	11	
14	Grommet	4	GRM-0750P34C
15	Grommet	2	GRM-0165802121
16	Convoluted tube	2	Reevite RB237/TPR
17	Butyl gum	2	
18	Parts List / Replacement Template	1	999V2 AW000
19	INSTALLATION INSTRUCTIONS (WEB) Q60 Rev Date: 10/26/16	0	T99F4 5CH0BII
20	INSTALLATION INSTRUCTIONS (WEB) Maxima Rev Date: 10/26/16	0	T99F4 4RA5BII
21	Accessory Connector Harness (NOT INCLUDED IN KIT)	2	999Q9 AY001

# INSTALLATION INSTRUCTIONS

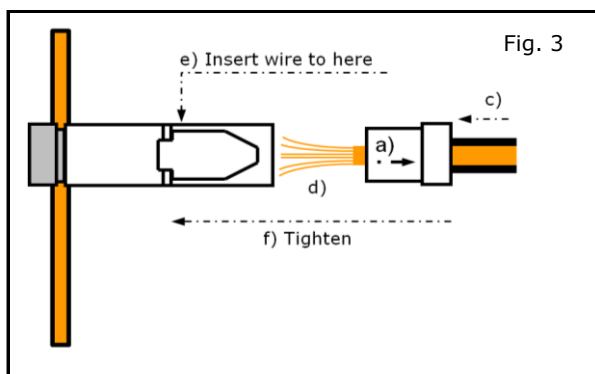
## INSTALLATION



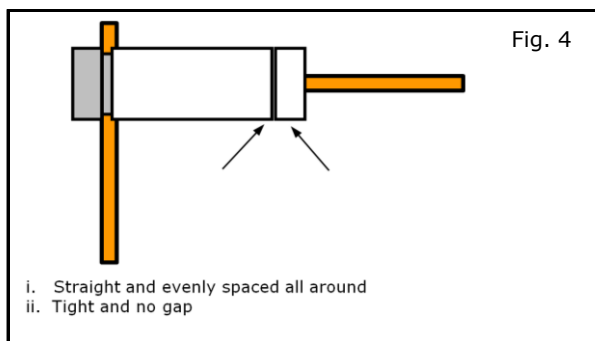
- 1) Posi-tapping an Accessory service wire (Fig. 1)
  - a) Identify and confirm correct wire in the Accessory Service Connector to be tapped.
  - b) Remove cap (slot side) from tap body.
  - c) Slide cap around single accessory wire.
  - d) Position cap  $\geq 6.35\text{mm}(0.25\text{in})$  away from 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.



- 2) Inspecting the tap for correct installation (Fig. 2).
  - 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.



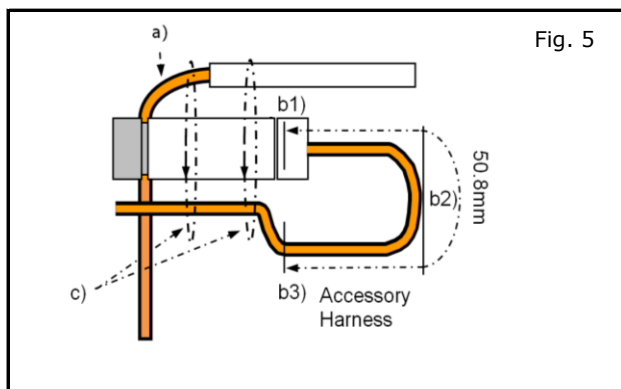
- 3) Tap accessory wire (Fig. 3).
  - a) Remove tap (non-pierce) side from tap.
  - b) Remove the protective stub from the wire.
  - c) Insert wire through the non-pierce side opening.
  - d) Spread the individual strands into fan shape.
  - e) Insert wire into the tap body and ensure that it is all the way in.
  - f) Tighten the tap **TIGHT** with finger pressure.
  - g) Tighten by another quarter turn.



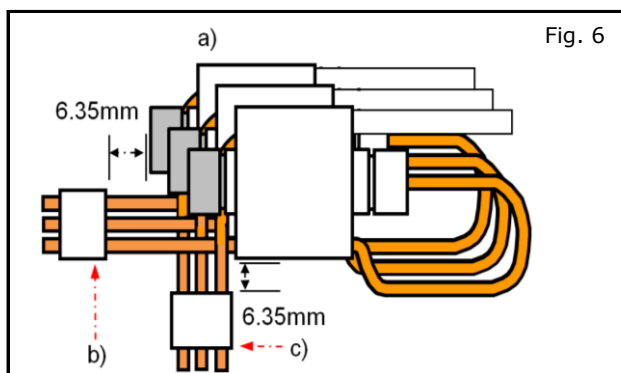
- 4) Confirm the tapped accessory wire.
  - a) Pull on the wire lightly to ensure connection.
  - b) Inspect the tap to ensure correct installation as shown in Fig. 4.

# INSTALLATION INSTRUCTIONS

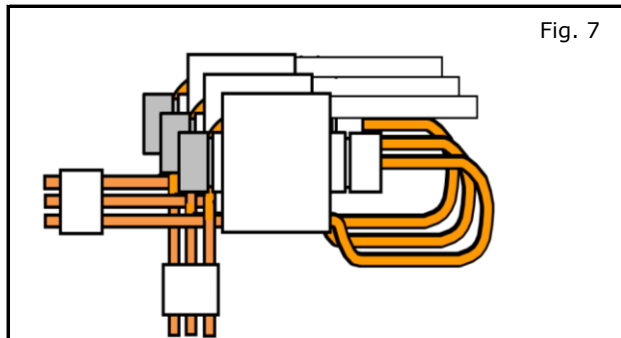
## INSTALLATION



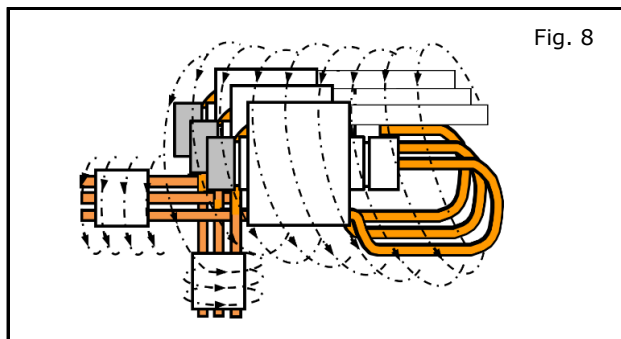
- 5) Forming strain relief loop - required (Fig. 5).
  - a) Gently bend end of pierced wire (where it exits cap) down towards body of posi-tap.
  - b) On tapped side wire; starting at point b1), measure 50mm to point b3). Make first bend of loop b2), half measured distance - 25mm, and up toward body 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 ( $\geq 2$  revolutions).



- 6) Securing multiple accessory taps (Fig. 6).
  - 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 ( $\geq 2$  revolutions) at a distance of  $\geq 6.35\text{mm}$  as shown in Fig b).
  - c) Pierced wires of posi-taps are secured to each other with electrical tape ( $\geq 2$  revolutions) at a distance of  $\geq 6.35\text{mm}$  (0.25in) as shown in Fig c).



- 7) Securing multiple accessory taps (Fig. 7).
  - a) Make sure the accessory taps have been wrapped appropriately as detailed previously and as shown.



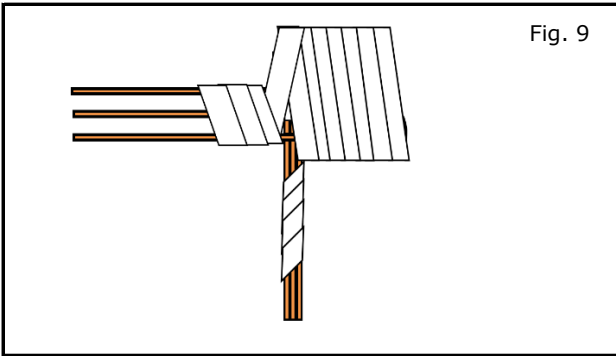
- 8) Securing multiple accessory taps.
  - a) Starting at heat shrink; firmly wrap posi-tap bundle with electrical tape or non-adhesive wire harness tape, making sure to overlap previous revolution.

**Note: If using non adhesive tape secure at the of wrap with electrical tape  $\geq 2$  revolutions.**

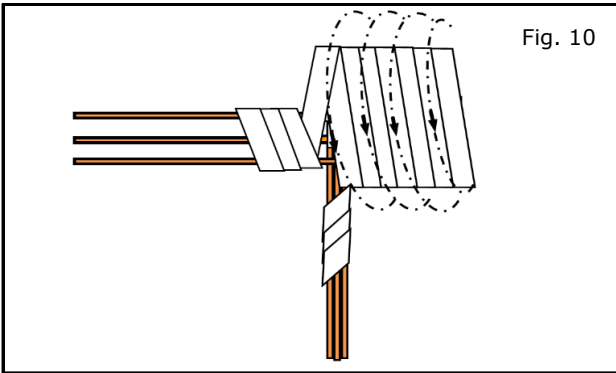


# INSTALLATION INSTRUCTIONS

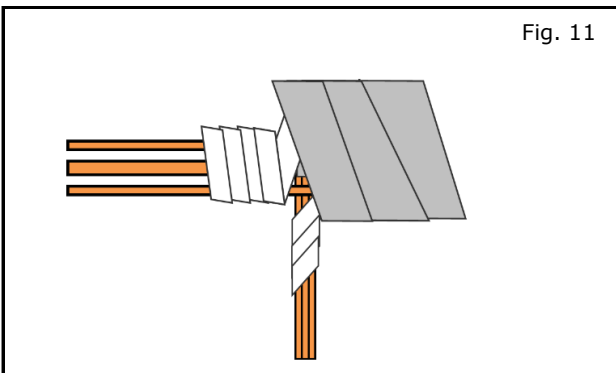
## INSTALLATION



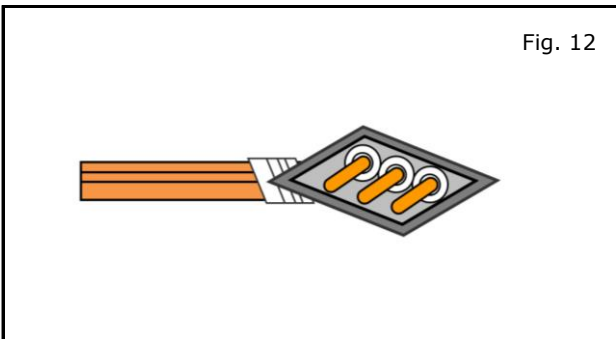
- 9) Securing multiple accessory taps  
a) Make sure the finished wrap looks similar to Fig. 9.



- 10) 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.



- 11) Finished foam wrap for bundle (strips-top view)  
a) Make sure the finished wrap looks similar to Fig. 11.



- 12) Finished foam wrap for bundle (strips-side view)  
a) Make sure the finished wrap looks similar to what is shown in Fig. 12.

# INSTALLATION INSTRUCTIONS

## MECHANIZATION

### ACCY\_SER\_CONN

### DRIVER SIDE CONNECTOR

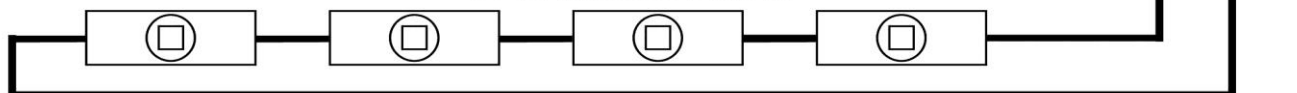
IGN	1	WHT
BAT	2	RED
TAIL_LAMP	3	PURP
ROOM_LAMP	4	YEL
BAT_SAVER	5	PNK
FR_DOOR_SW_RH	6	GRN
FR_DOOR_SW_LH	7	LT_GRN
THRU_SIGNAL_1	8	GRY
RR_DOOR_RH	9	BLU
RR_DOOR_LH	10	LT_BLU
ACC	11	ORG
GND	12	BLK

### TH12FW-NH

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

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

### LED MODULES LH



### Legend

Posi tap

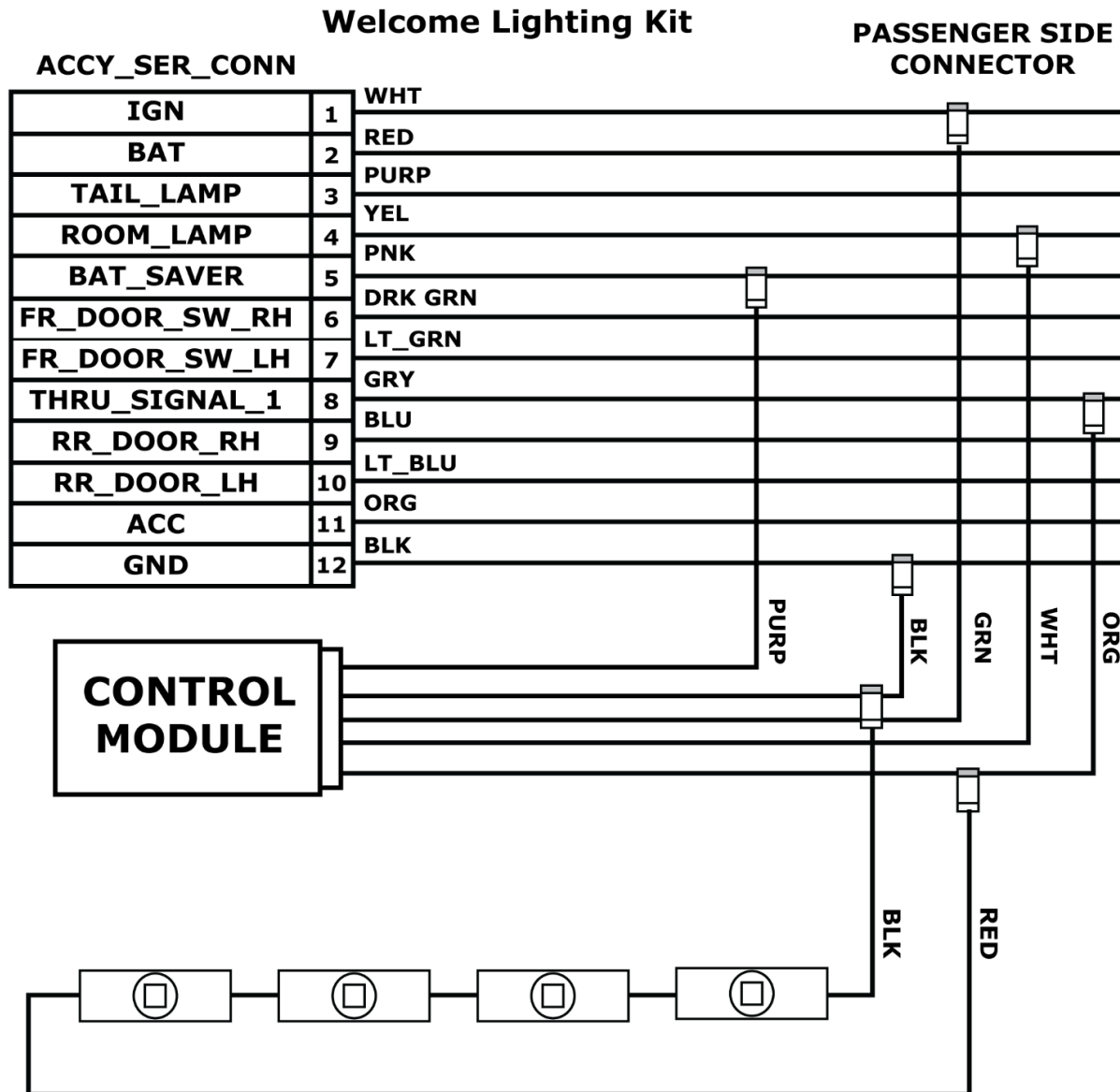


Gray

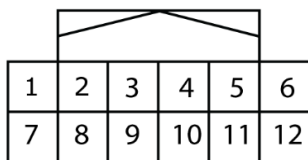
Red

# INSTALLATION INSTRUCTIONS

## MECHANIZATION



## TH12MW-NH



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