



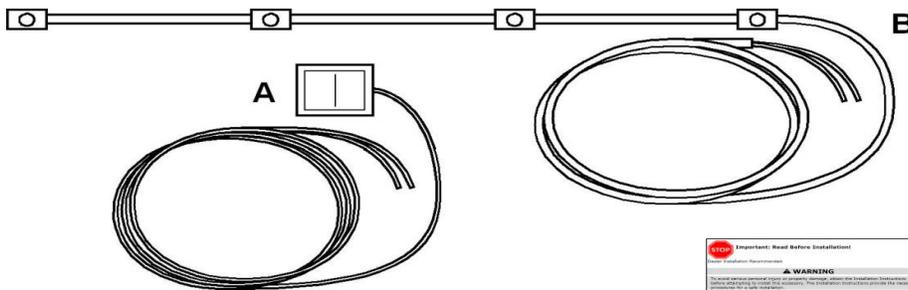
GENUINE PARTS

INSTALLATION INSTRUCTIONS

DESCRIPTION:	Welcome Light Kit
APPLICATION:	Sentra SR/NISMO
PART NUMBER:	T99F4 5CH1B - Welcome Lighting Kit 999F4 L6010II - Installation Instructions (WEB) (2) 999Q9 AY001 / T99F6 4RA0A , Accessory Service Connector - not included in kit above

KIT CONTENTS:

Item	Qty.	Part Description	Service Part Number
A	1	Control Module	NA Part of T99F4 5CH1B
B	2	LED Assembly	
C	1	Misc Parts Kit	
D	1	Installation Instruction Replacement Template	999V2 AW000
ITEMS NOT IN KIT THAT MAY BE REQUIRED			
	2	Accessory Service Connector	999Q9 AY001/T99F6 4RA0A
		Rust Preventative	999MP-9G001P



NOTE:
ACCESSORY HARNESS MAY BE REQUIRED. NOT INCLUDED IN KIT. REFERENCE PART NUMBER 999Q9 AY001 / T99F6 4RA0A.



D



TOOLS REQUIRED:

- Trim Stick
- 8mm and 10mm Sockets
- #2 Philips Screwdriver
- Protective Cloth
- Protective Gloves
- Needle Nose Pliers
- Ratchet and 6" Extension
- 5/8" , 3/8" , 3/16" , and 1/2" drill bits, drill, drill stops.
- Short #2 Philips Screwdriver
- Scissors, Tape Measure and Metric Scale
- Electrical Tape, Masking Tape
- Rust Preventative

PRE-INSTALLATION WARNINGS, CAUTIONS, CRITICAL STEPS, and NOTES:

- Dealer Installation Recommended. Instructions may refer to Service Manual.
- Installation requires special tool(s)
- This part is to be installed within a surface temperature range of 70-100°F

⚠ WARNING

- 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.

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.

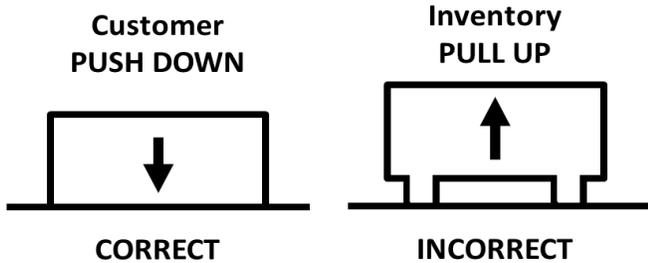
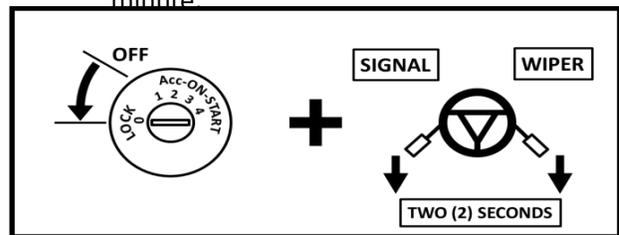
a) To remove transit mode (Fuse Block):

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.

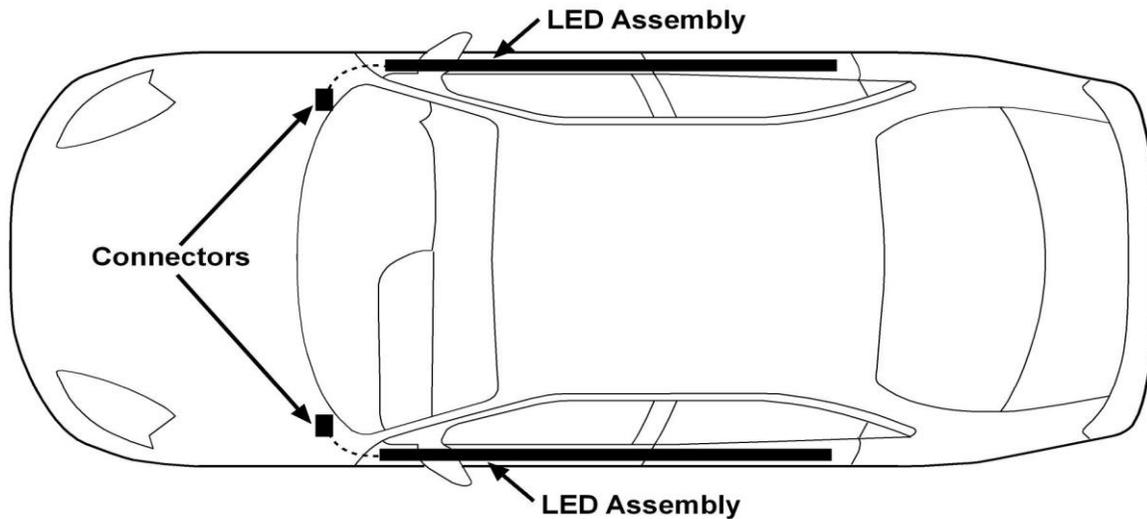
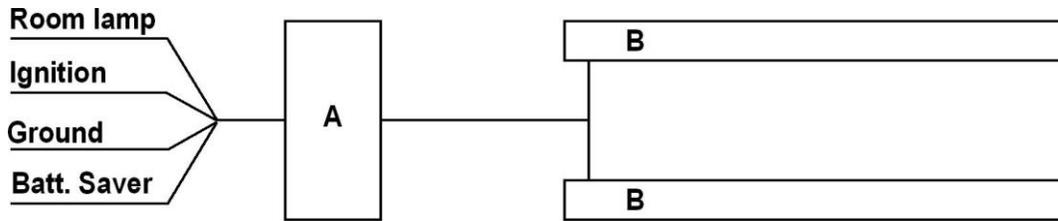
- 4) Turn ignition switch to "ON" position
- 5) Record the customer radio presets and other presets as required.

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.

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

INSTALLATION OVERVIEW



8. CRITICAL STEPS

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

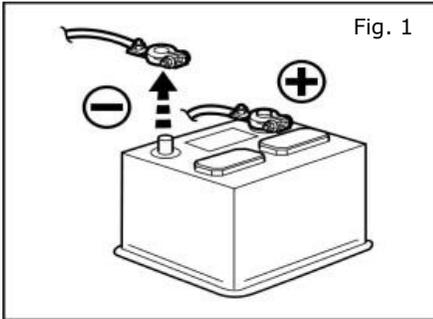
- Location of the lights must be followed exactly as described in this instruction.
- Posi-Tap™ instructions must be specifically followed as described.
- Be sure to apply masking tape as needed in order to protect any areas that may become scratched or damaged by tools.
- Be sure to apply foam tape 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.

⚠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.**



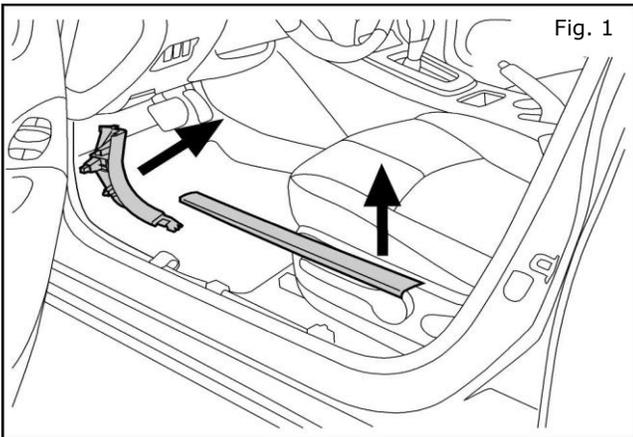
- 1) Move both front seats rearward and upward.
Disconnect negative battery terminal as shown.

ORDER OF INSTALLATION

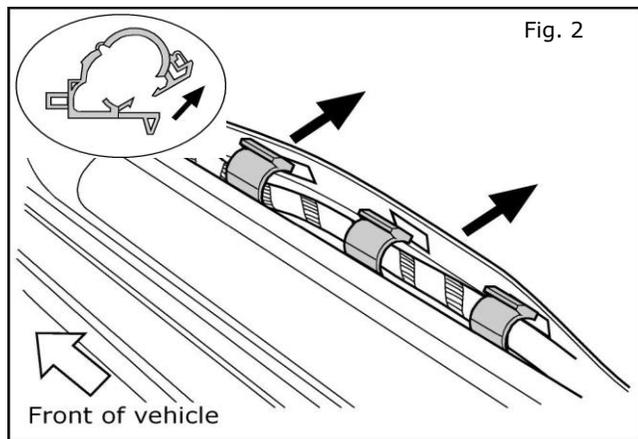
1. Remove panels and trim.
2. Prepare mud guards
3. Install LED Assemblies
4. Route Wiring
5. Install controller
6. Reinstall all panels
7. Final Check Items

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

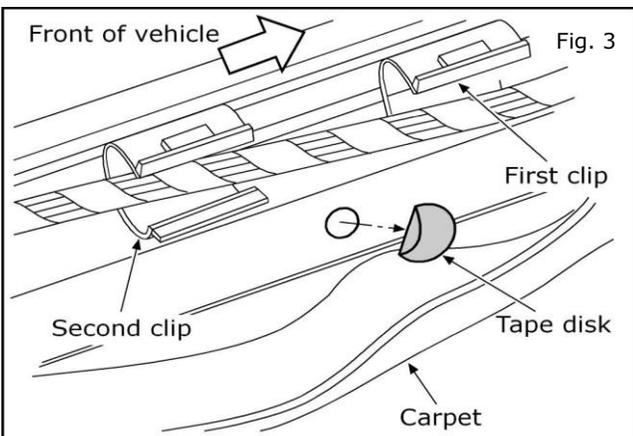
INTERIOR PREPARATION



- 1) Use trim stick to carefully pry off trim panel along bottom door seal and trim panel from outer side of footwell.



- 2) Carefully pry open three (3) plastic wire harness clips from inside driver side door sill. Carefully pull back carpet edge.



- 3) Locate circular tape cover inside door sill. Carefully peel back circular tape to expose access hole on inside edge of door sill.

NOTE:

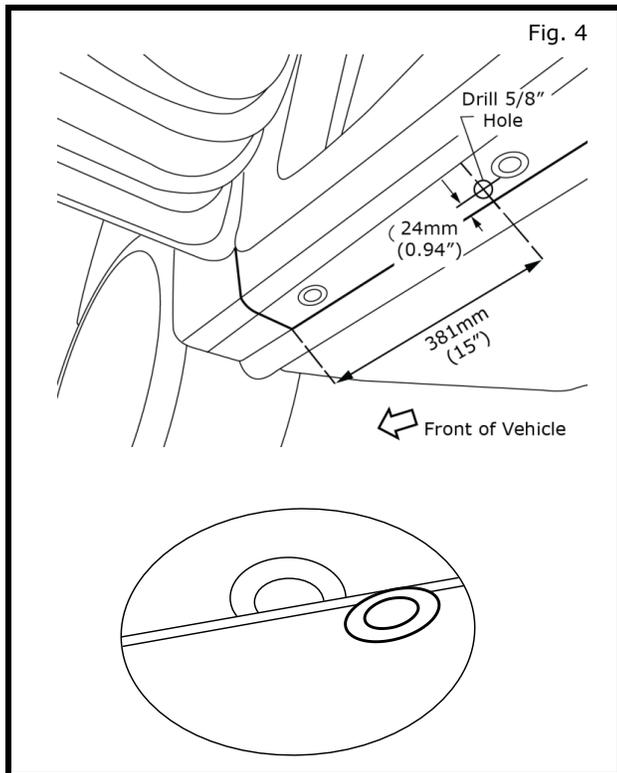
Be sure you are removing the tape cover located between the first and second harness clips relative to the front of vehicle.

- 4) **REPEAT ON PASSENGER SIDE**

- 5) Raise Vehicle.

INSTALLATION INSTRUCTIONS - Security Lighting Kit

VEHICLE PREPARATION

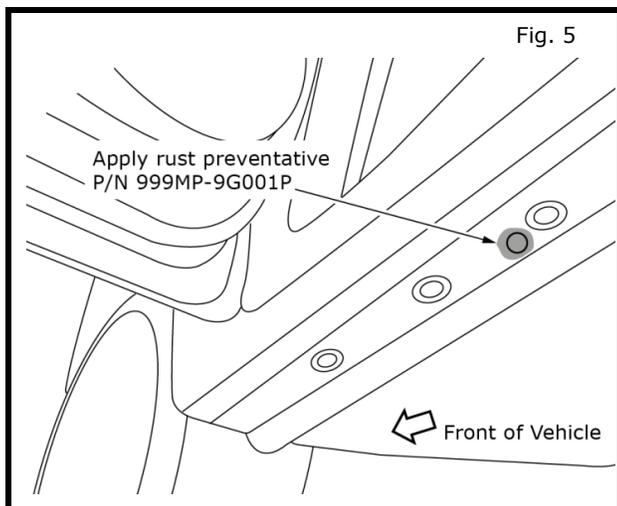


- 6) With mud guard on vehicle measure 381mm (15 inches) back from edge of sill weld seam near front wheel well along bottom of sill and mark mud guard. Measure 24 mm (0.94 inches) from pinch weld outboard and mark mudguard. Using 5/8 inch drill bit, drill at marked hole location. Drill directly through center side skirt. (See Figure 4)

Clean hole so there is no flashing or shoulder from drill. Be sure to clean up any metal shavings that might fall into sill cavity. A vacuum or magnet is recommended.

NOTE:

This will be the pass through for the wires that control the LED assembly.



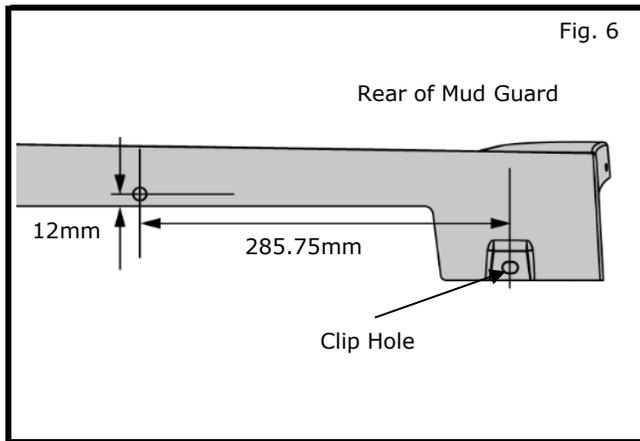
- 7) Protect sheet metal by applying rust preventative **P/N 999MP-9G001P OR Nissan approved rust preventative equivalent.**

Repeat for passenger side of vehicle

LOWER THE VEHICLE

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

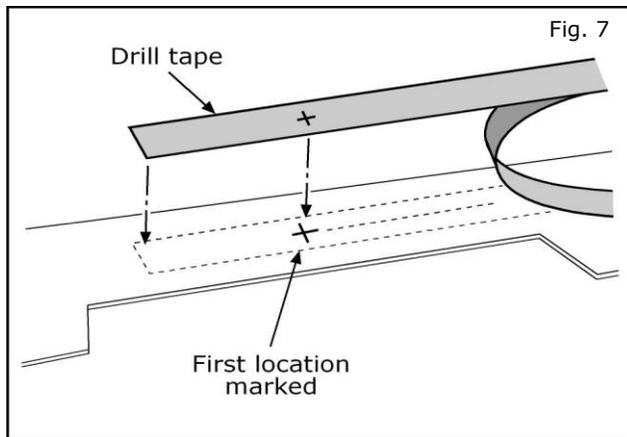
VEHICLE PREPARATION



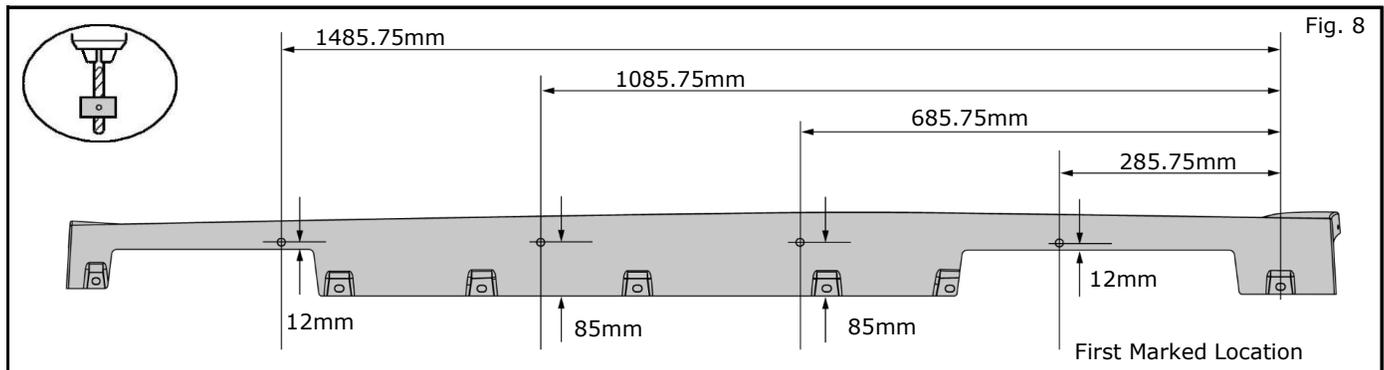
NOTE:

The Sentra is drilled from the outside in with side skirt on vehicle.

- 8) Starting from clip hole at REAR of mud guard, measure and mark 286mm (11.25 inches) from center of hole. Measure and mark 20mm (3/4 inch) from inside edge of mud guard.



- 9) Apply drill guide tape by peeling adhesive backing off tape and aligning first drill mark with starting hole position as marked on mud guard. Carefully apply tape along length of mud guard. Be sure to keep center drill marks on tape at 16mm from outer edge of mud guard.



- 10) If drill guide tape is not available, use tape measure to mark three locations at 16 inches apart. Follow measurements shown above to determine distance from inside edge of mud guard. LED assembly can also be used to determine location of each hole.

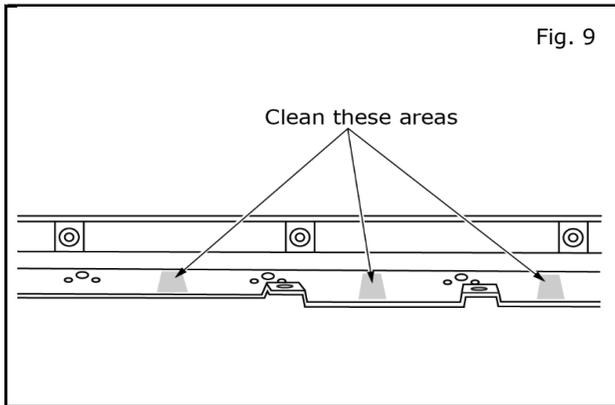
Repeat process for both mud guards.

- 11) Using a 1/2 inch drill bit, drill all the marked hole locations. A step drill bit can be used as well. Be sure to stop at 1/2 inch step in the tool.

Clean each hole so there is no flashing or shoulder from the drill.

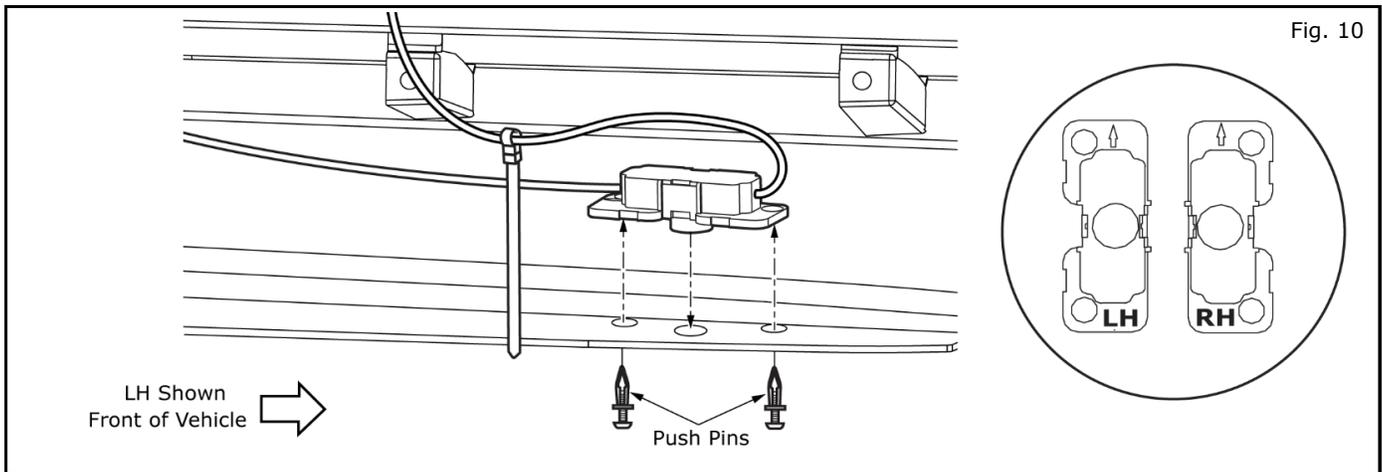
INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

VEHICLE PREPARATION



- 12) Clean inside surface of mud guard where LED modules and retaining tape will be mounted with an alcohol prep pad(s) at areas shown. Wipe both mud guards.

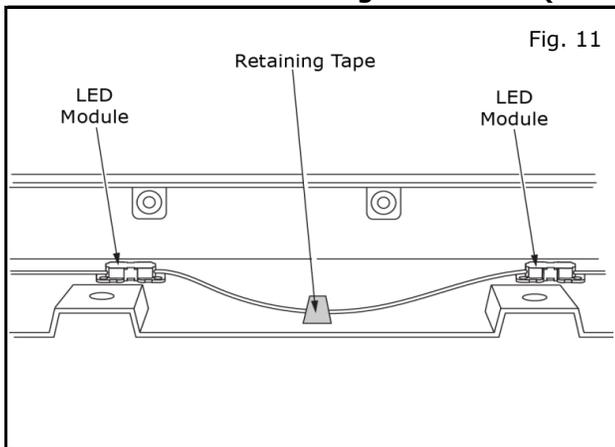
Allow minimum of 1 minute to be sure alcohol is completely dry.



- 13) 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 "RH" with the left side skirt and marked "LH" with the right side skirt (see Fig. 5).

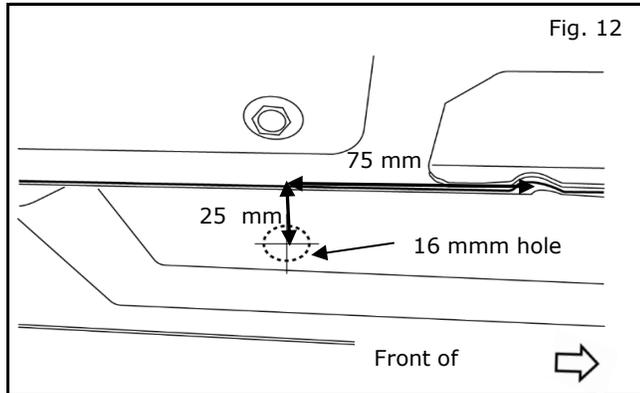


- 14) Repeat step 14 with remaining three (3) LED modules. Be sure wiring between modules does not become twisted as you are installing to mud guard. Once all LED modules are in place, secure wiring in between with one (1) piece of retaining tape as

NOTE: Once the tape is down, it is very hard to pull back up.

Repeat process for both mud guards.

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

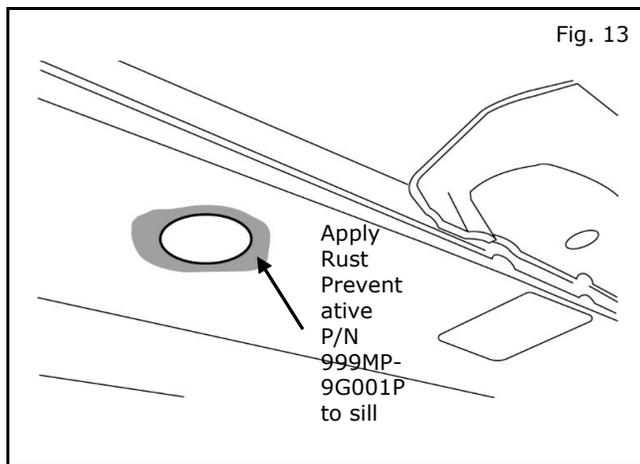


15) Driver side Pass Through Hole.

- a) Pass through hole is drilled directly through center side skirt and sill. Measure 75 mm back from rear notch of front lift point and 25 mm outboard from pinch weld. Mark center side skirt.
- b) Drill 5 mm pilot hole through side skirt material and center punch sill.
- c) Drill 5 mm pilot hole through sill. Enlarge to 16 mm (See Figure 9).

NOTE:

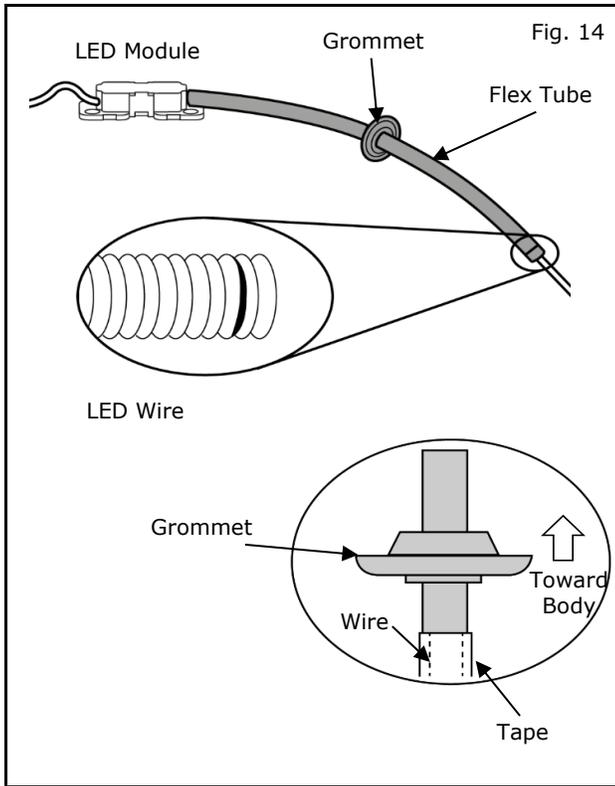
Take care not to drill too close to radius of sill.



16) **Deburr** both holes so there is no flashing or shoulder from drill. Be sure to clean up any metal shavings that might fall into sill cavity. A vacuum or magnet is recommended.

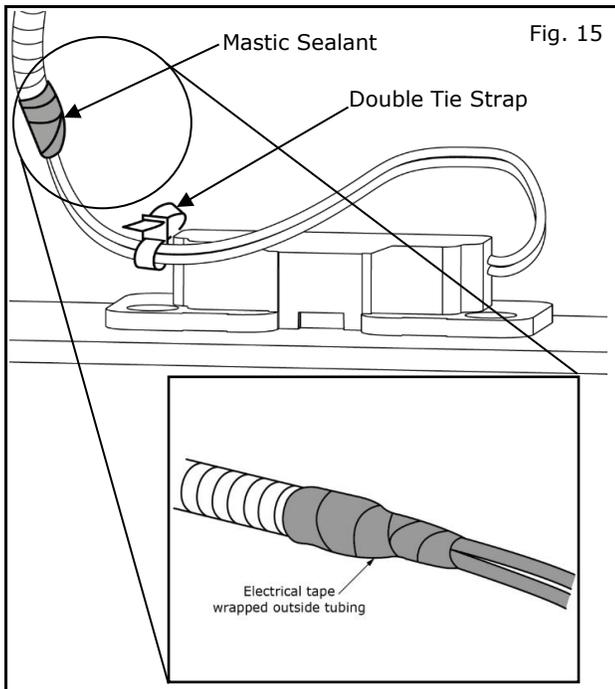
- a) Protect sheet metal by applying rust preventative **P/N 999MP-9G001P OR Nissan approved rust preventative equivalent.**

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit



- 17) Install grommet and flex tube.
 - a) Feed one of the grommets over the flex tube, see fig 5.
 - 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.

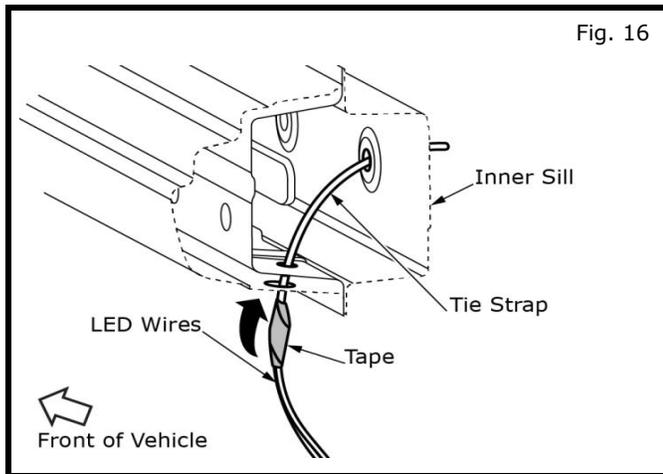
NOTE:
Be sure the beveled side of the seal and the cut end are facing AWAY from LED module when inserting wire in convoluted tubing..



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

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

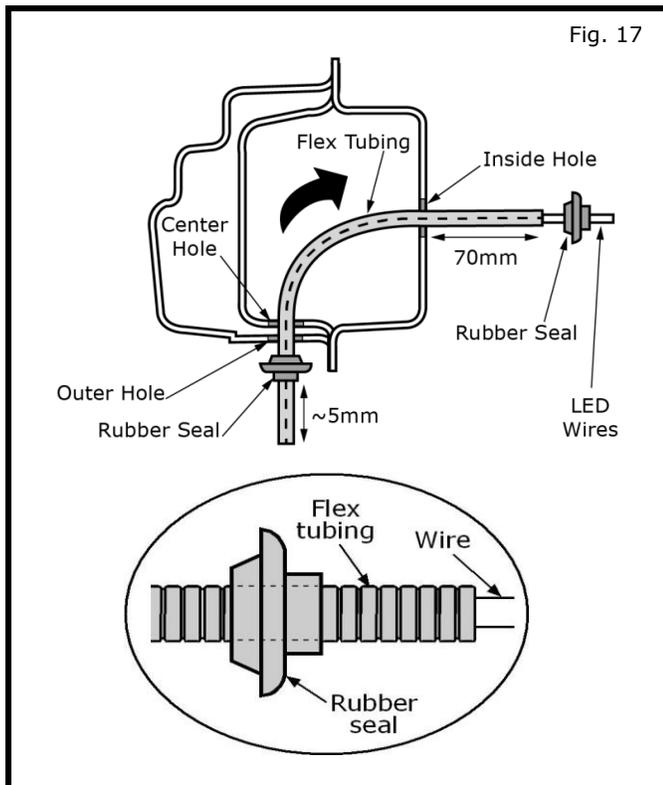
INSTALLATION



- 19) Feed LED wires through end of a long cable tie. Use cable tie to route wires through hole from outside of vehicle and in through access hole inside door sill.

NOTE:

This step may take several attempts. There is a sheet metal panel inside the body with an inner access hole between the two outer holes. A flashlight shining through from the inner hole may help.



- 20) From outside vehicle, feed flex tubing through all access holes. Slide another rubber seal provided in kit over wires and flex tubing from inside vehicle.

Allow approx. 70mm of flex tubing inside vehicle and approximately 5 mm on outside of vehicle.

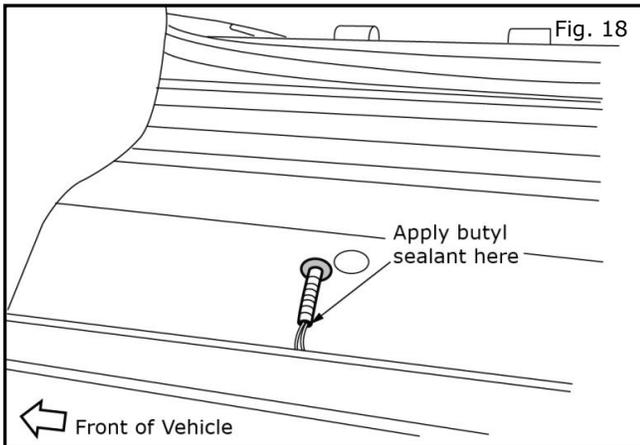
NOTE:

The flex tubing is meant to pass through the rubber seals along with the wiring.

- 21) **RAISE THE VEHICLE**

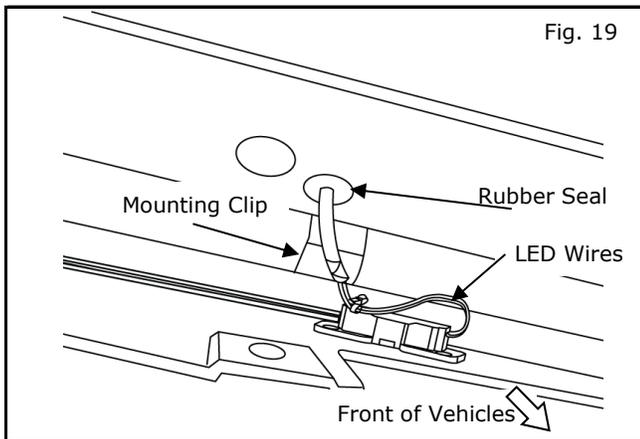
INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

INSTALLATION



22) Press outer rubber seal into position. Apply a butyl sealant around flex tube opening where wires pass into tubing. **Be sure to clean all surfaces before applying butyl.**

23) **Repeat steps 17 though 22 for passenger side of vehicle.**

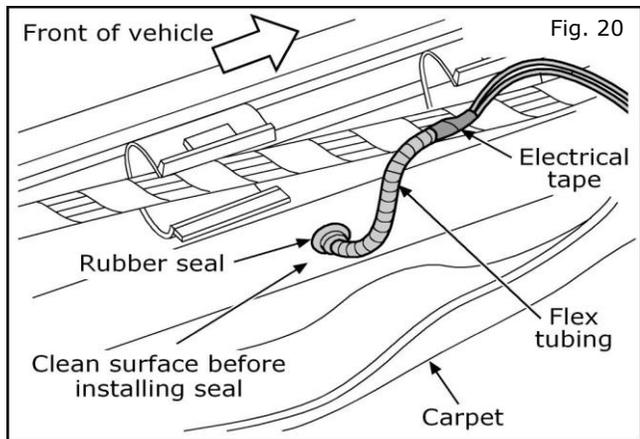


24) Carefully reinstall both mudguards using retaining clip and six (6) phillips head screws removed earlier (see Fig. 19).

NOTE:

Use caution at flex tube when reinstalling. Be sure not to pinch wiring at the mounting clip. Be sure to allow sufficient bend radius in the tubing.

25) **LOWER VEHICLE**



26) Allow approx 70mm of flex tubing over wires on inside of vehicle. Press inside rubber seal into position. Wrap electrical tape around open end of flex tubing.

NOTE:

Make sure both seals, top and bottom, are properly installed.

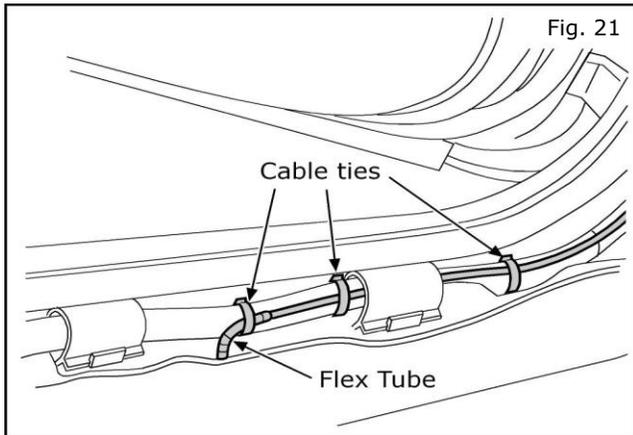
Repeat procedure for passenger side of vehicle

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

INSTALLATION

⚠ CAUTION

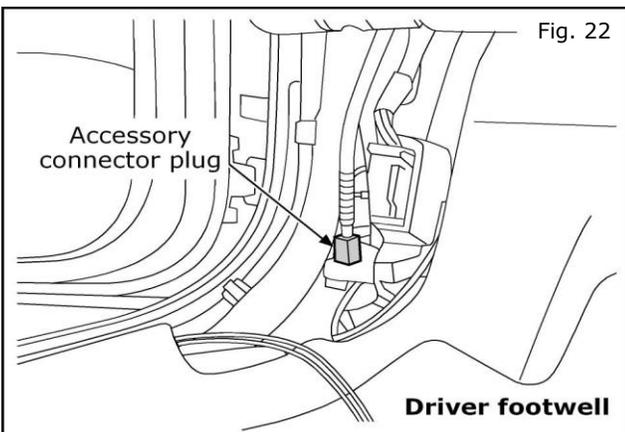
- If a vehicle wire is being used by another accessory and a posi-Tap is present, tap the accessory wire **NOT** the vehicle wire.



- 27) Route wires from driver 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.



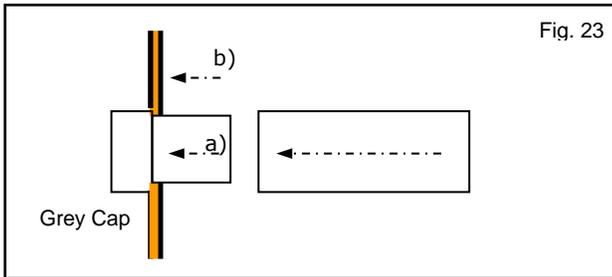
- 28) Locate driver side Accessory Connector plug. It will be located below dash along outer wall of footwell.

NOTE:

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

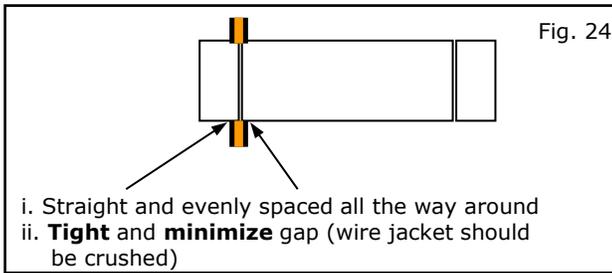
INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

POSI TAP INSTRUCTION



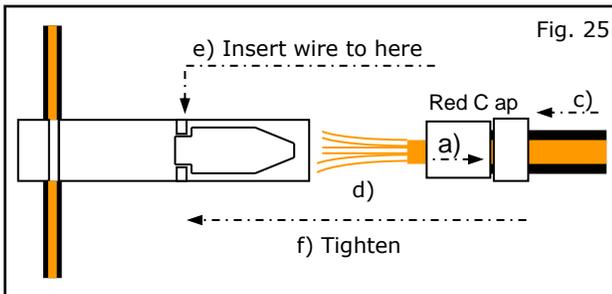
- 29) Tap vehicle wire.
 a) Remove grey cap (slot side) from tap body.
 b) Slide cap around vehicle wire.
 c) Tighten the tap **TIGHT** with finger pressure.

NOTE: Do not re-use the tap for subsequent re-installation. Figures are not to scale



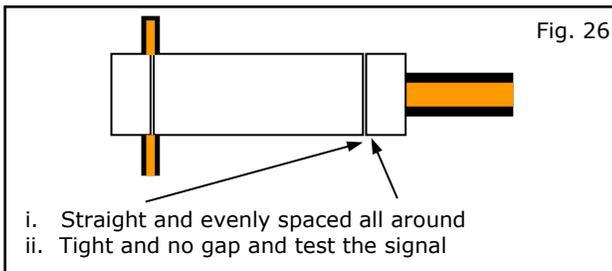
- 30) Inspect the tap to ensure correct installation.

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



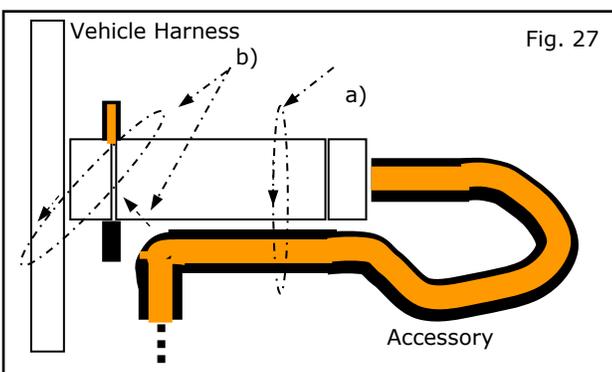
- 31) Inspect the tap to ensure correct installation.

- a) Remove red cap (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.



- 32) Confirm the tapped accessory wire.

- a) Inspect the tap to ensure correct installation.
 b) Test the signal to ensure that it is working properly.

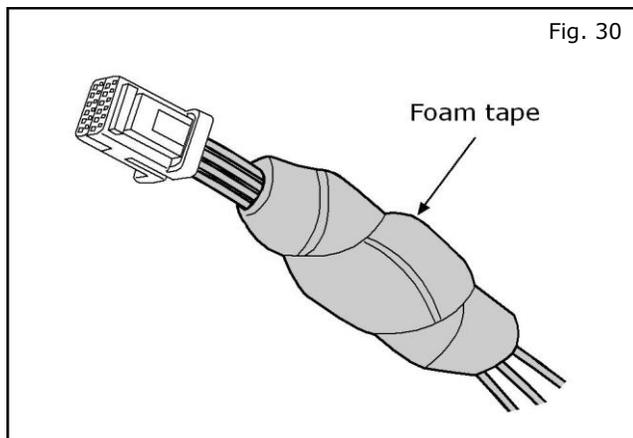
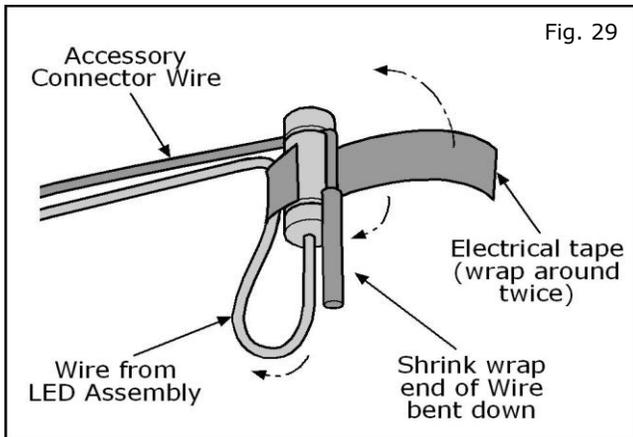
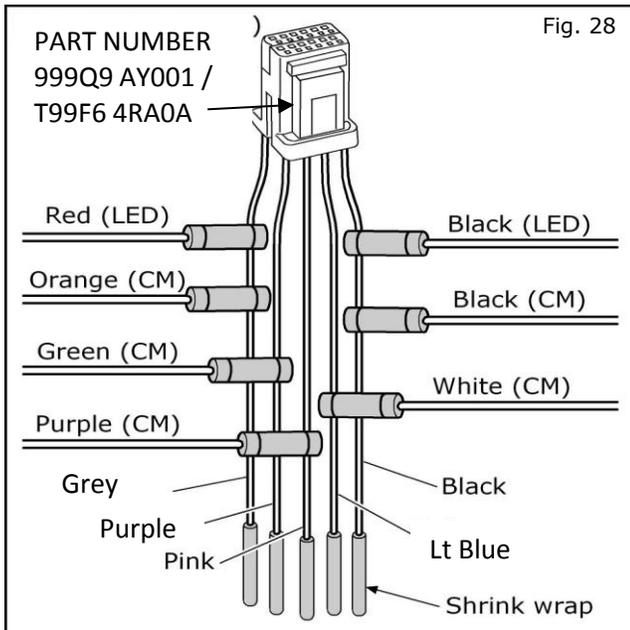


- 33) Secure the tap.

- a) Secure the tapped wire on the non-pierce side to the body of the tap with electrical tape (≥ 2 revolutions).
 b) Secure the body to harness where vehicle wire is being tapped with electrical tape (≥ 2 revolutions).

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

INSTALLATION



34) Using posi-taps, connect the wiring as follows:

Black wire from the LED Assembly to the **Black** wire on the Connector Harness.

Red wire from the LED to the **Grey** wire on the Connector Harness.

Black wire from the Control Module to the **Black** wire on the Connector Harness.

Orange wire from the Control Module to the **Grey** wire on the Connector Harness.

White wire from the Control Module to the **Lt Blue** wire on the Connector Harness.

Purple wire from the Control Module to the **Pink** wire on the Connector Harness.

Green wire from the Control Module to the **Purple** wire on the Connector Harness.

**HARNESS NOT INCLUDED IN KIT.
REFERENCE PART NUMBER 999Q9 AY001 /
T99F6 4RA0A .**

35) Follow this finishing procedure on all posi-taps. Leave a short length of wire extended past the posi-tap and bend down as shown. Use electrical tape to secure extra wire against posi-tap with at least two revolutions.

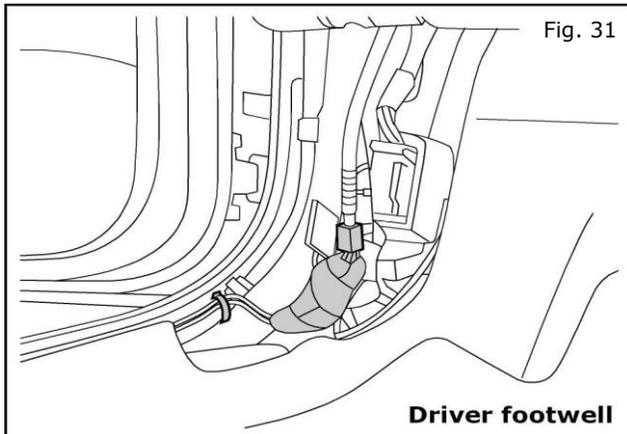
NOTE:

Make sure that the end of the wire is completely covered by the tape.

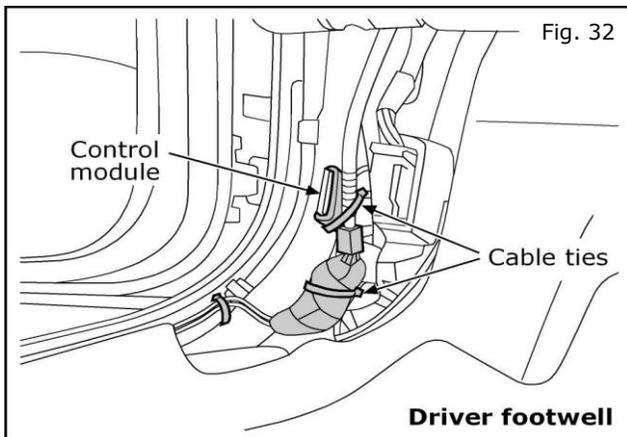
36) **Wrap the posi-taps with foam tape to prevent rattle.**

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

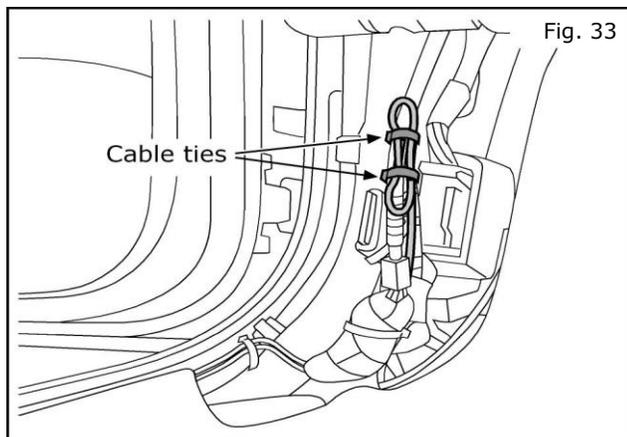
INSTALLATION



37) Plug Accessory Connector Harness into the vehicle connector plug on driver side.



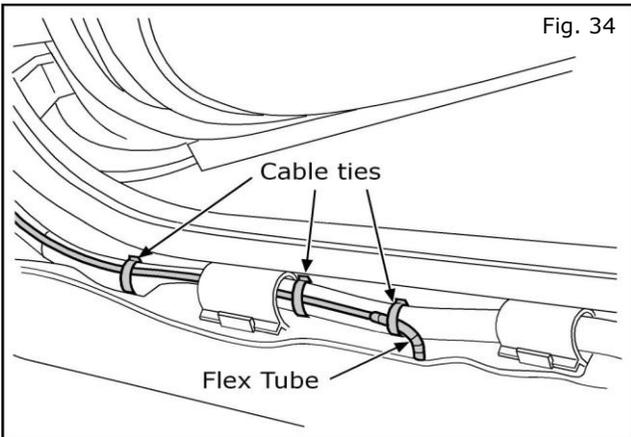
38) Wrap Connector and the Control Module with foam tape. Use a cable tie to secure module and the connector to existing harness as shown.



39) Bundle and secure any excess wire with cable ties as shown.

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

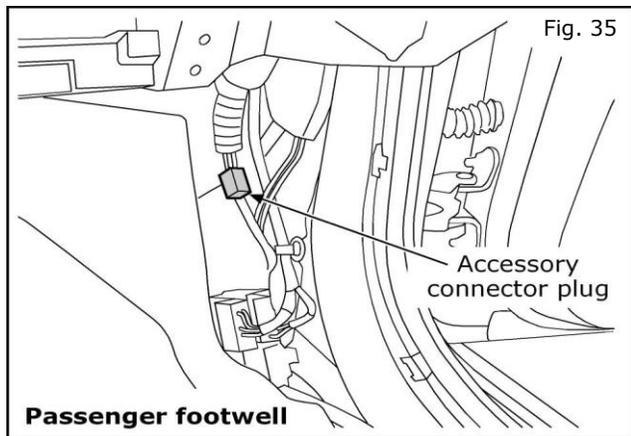
INSTALLATION



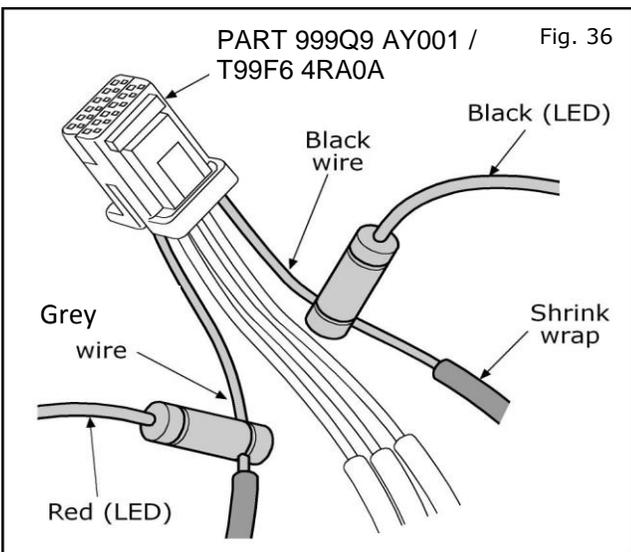
- 40) Route wires from the passenger side up towards dash by running wires along existing harness and securing with cable ties.

NOTE:

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



- 41) Locate **passenger side** Accessory Connector plug. It will be located below the dash along outer wall of footwell.



- 42) Using a posi-tap, connect **Black** wire from LED Assembly to **Black** wire on Accessory Connector Harness.

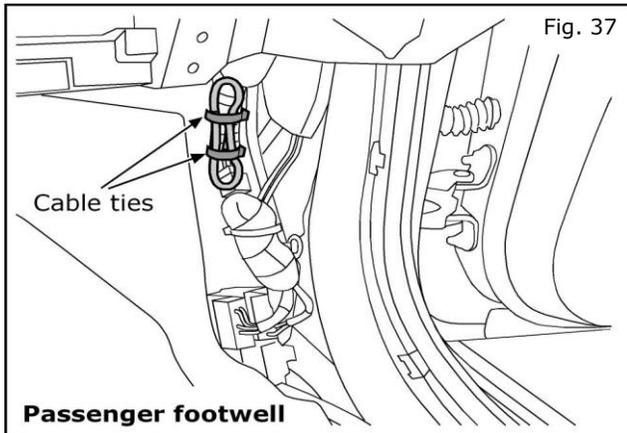
Using a posi-tap, connect **Red** wire from LED Assembly to **Grey** wire on Accessory Connector Harness.

Plug Accessory Connector Harness into vehicle connector plug on **passenger side**.

HARNESS NOT INCLUDED IN KIT. REFERENCE PART NUMBER 999Q9 AY001 / T99F6 4RA0A.

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

INSTALLATION



43) Route wires along the existing harness. Bundle and secure any excess wire between the kick plate and Accessory Connector with cable ties as shown.

44) Close three (3) wire harness clips inside the door sills and reinstall carpet edge, both sides (see Fig. 37).

Note: Be sure to align rectangular carpet holes with harness clips.

45) **Reinstall** side trim panels on both sides of the vehicle along the bottom door seals from the seat to footwell (see Fig. 1).

Note: Trim all cable ties. Check all wiring. Make sure all trim is in place.

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

CHECK OUT

Inspect the vehicle for unfinished work. Reinstall battery negative terminal.

- (1) Close all doors.
- (2) Using the keyless entry fob, press the door unlock.
- (3) Verify the security lighting turns on and off with the dome lamp in the car.
- (4) Enter the car and press the door unlock and then start the car.
- (5) Verify the security lamps turn off when the car starts.
- (6) With the car running, shifter in park, open the door and Verify the lights remain off.
- (7) Turn off the car and open the door again and verify the lights come on when the door is opened.
- (8) Unlock the doors, wait and then lock the doors. The Security lighting should turn off quickly with the dome lamp.
- (9) Verify the functionality of all electrical vehicle components where harnesses were accessed.
- (10) Check and clear trouble codes (DTC).
- (11) Check power window auto-up control. If it is not functioning properly, hold switch in "up" position for 5 seconds.
- (12) 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 section 9 - Vehicle Preparation).
- (13) If vehicle is NOT going into storage, reset the radio presets to the recorded settings.

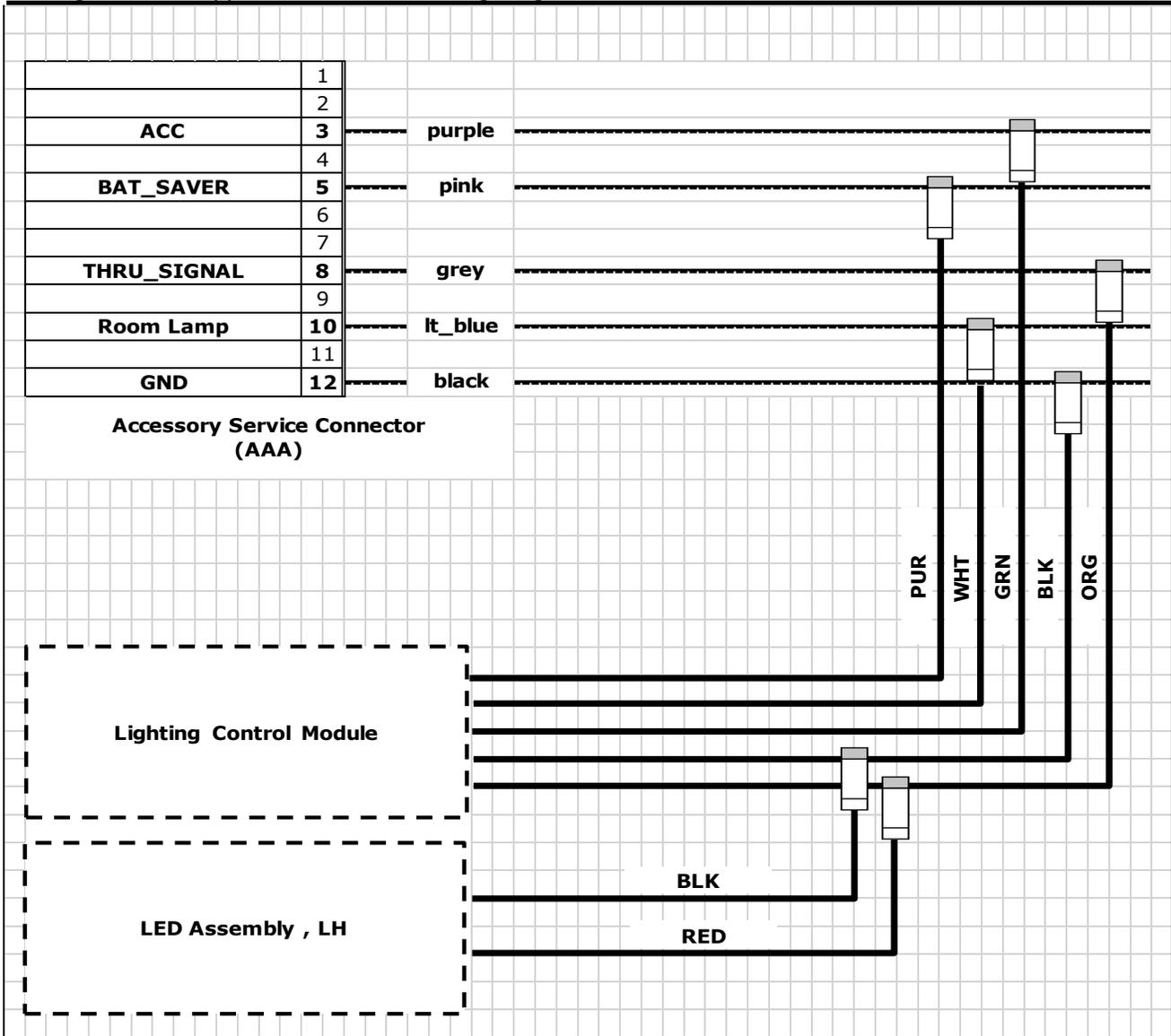
BILL OF MATERIALS

ITEM NO.	QTY	Part Name	Part Number
1	1	Welcome / Security Lighting Kit	T99F4 5CH1B
2	1	Control module	N/A Part of T99F4 5CH1B
3	1	LED PODS with Rugby Lens - RH	
4	1	LED PODS with Rugby Lens - LH	
5	1	Hardware Kit	
6		Grey foam rectangle 80mm x 30mm x 5mm thick - adhesive	
7		Cable ties 4" long - black	
8		Cable ties 11" long-black	
9		Cable ties 30" long-white	
10		Posi-tap connectors part No EX130-RR	
11		40mm x 20mm Adhesive Pads	
12		Q60, Altima Drill Template Strip	
13		Q50, Sentra, Rogue Drill Template Strip	
14		Alcohol Preparation Wipe	
15		Rubber Grommet (12 mm)	
16		Push Pins	
17		Corrugated Flex Tube	
18		3M Butyl Gum	
19		Parts List / Replacement Template	999V2 AW000
20		Q50/Q60 INSTALLATION INSTRUCTIONS (WEB)	T99F4 5CH1BII
21		Altima INSTALLATION INSTRUCTIONS (WEB)	999F4 U6010II
22		Maxima INSTALLATION INSTRUCTIONS (WEB)	T99F4 4RA5BII
23		Rogue INSTALLATION INSTRUCTIONS (WEB)	999F4 G6000II
24		Sentra INSTALLATION INSTRUCTIONS (WEB)	999F4 L6010II

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

MECHANIZATION

Figure below applies to the Welcome Lighting connected to the LH ASC

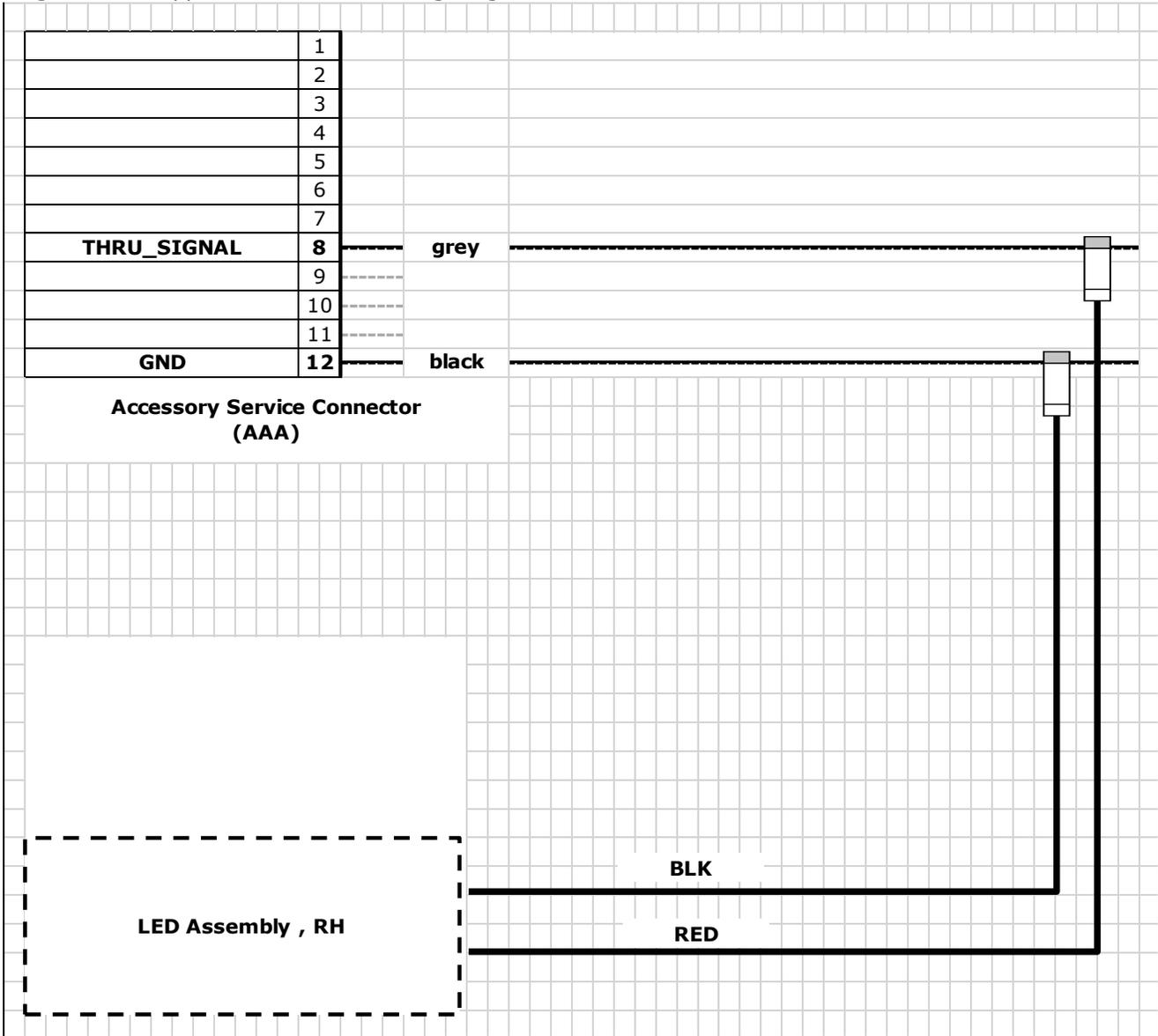


CONNECTOR PN#	999Q9 AY001 / T99F6 4RA0A	LEGEND
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR	
CONNECTOR COLOR	WHITE	
UNIT	 	POSI-TAP <ul style="list-style-type: none"> — GRAY - CIRCUIT TAP (PIERCE) SIDE — RED - ACCESSORY (INSERT) SIDE
		<p>Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.</p>

INSTALLATION INSTRUCTIONS - Welcome Lighting Kit

MECHANIZATION

Figure below applies to the Welcome Lighting connected to the RH ASC



CONNECTOR PN#	999Q9 AY001 / T99F6 4RA0A	LEGEND
CONNECTOR NAME	ACCESSORY SERVICE CONNECTOR	
CONNECTOR COLOR	WHITE	
		POSI-TAP
		<p>GRAY - CIRCUIT TAP (PIERCE) SIDE</p> <p>RED - ACCESSORY (INSERT) SIDE</p> <p>Note: Pin location is referenced looking into harness side of connector with lock tab oriented as shown.</p>