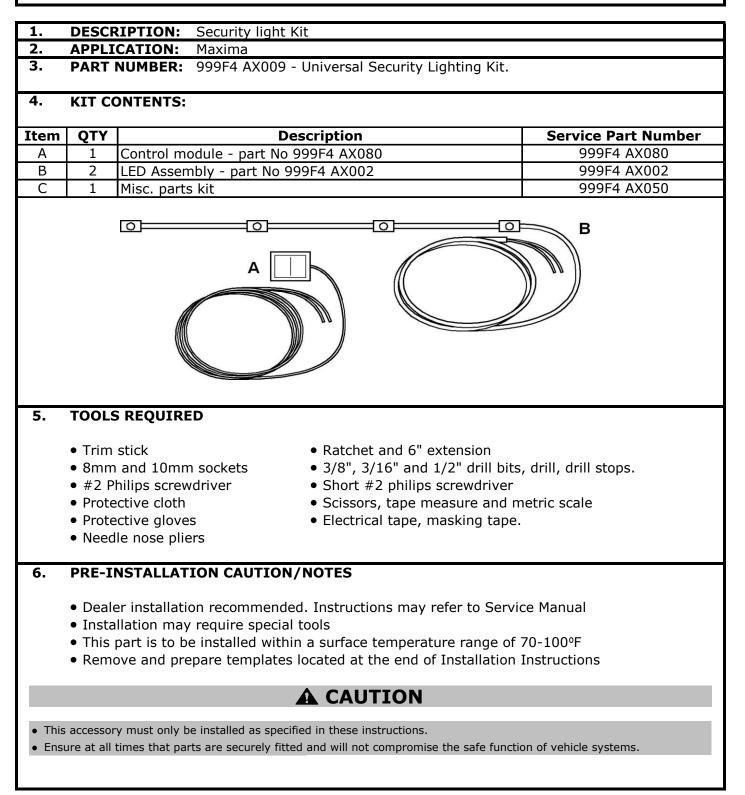
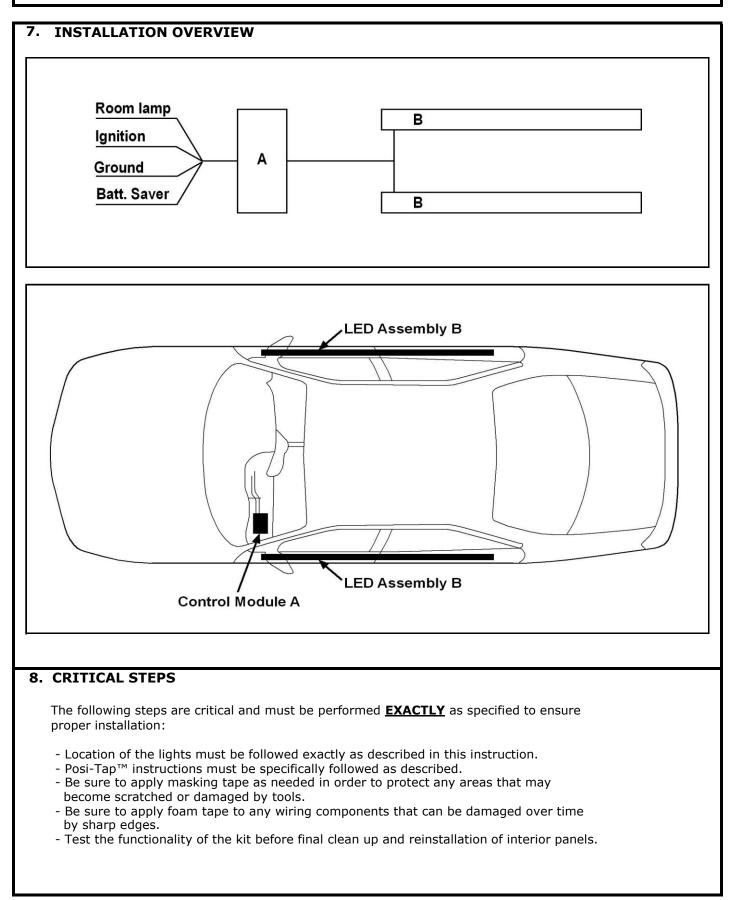


# **GENUINE PARTS**

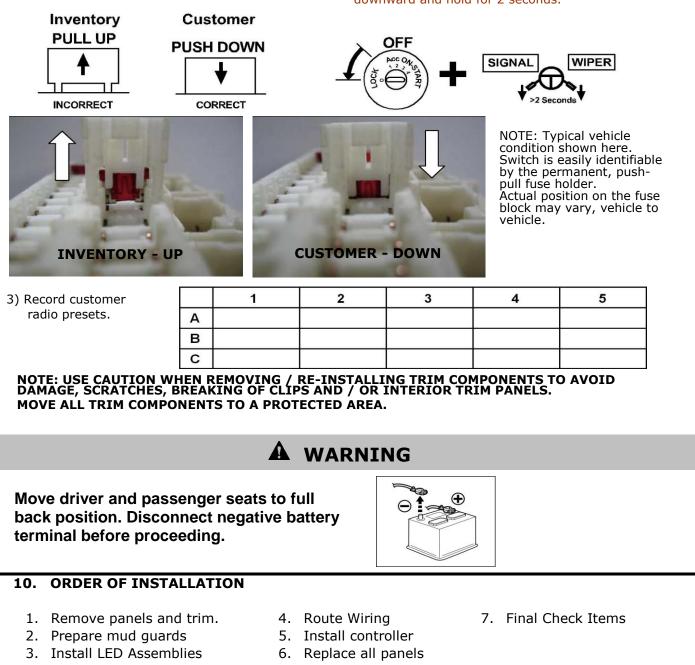
# **INSTALLATION INSTRUCTIONS**



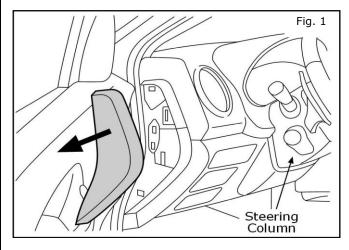


## 9. VEHICLE PREPARATION:

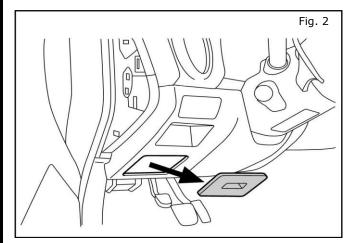
- 1) Apply parking brake
- 2) Confirm the vehicle is no longer in the default shipping state (Extended Storage Switch Pulled Up and BCM in Transit Mode). Failure to confirm the vehicle has been removed from this state will result in the loss of normal vehicle operation. The confirmation requires two 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) Turn the ignition switch from "OFF" to "ON" position. If turn indicators illuminate for approx. 1 minute, the vehicle is in shipping mode. To exit shipping mode, return the ignition switch to "OFF" position.Simultaneously push the wiper and turn signal stalks downward and hold for 2 seconds.



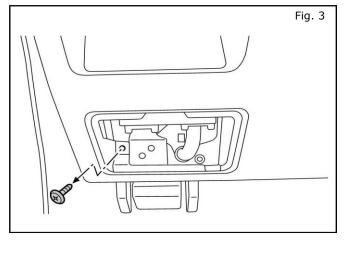
## **11. INTERIOR PREPARATION**



1. Carefully remove the LH Instrument side mask by the driver's door.

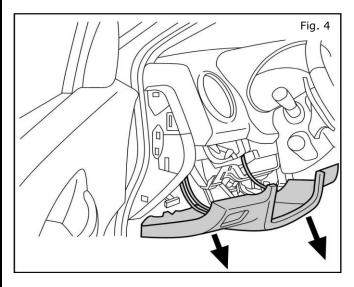


2. Pull the fuse cover from the steering finisher.

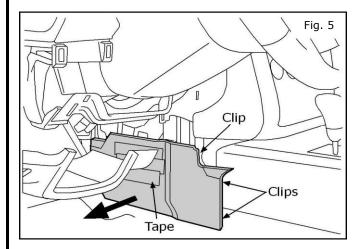


3. Remove the black #2 phillips screw in the left side of the fuse cavity.

## **11. INTERIOR PREPARATION**

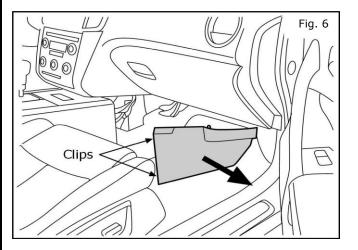


4. Carefully pull the steering finisher away from the instrument panel. Pull the panel down as far as the wire harness will allow and move it aside.



# Apply masking tape as needed to dash surfaces to avoid scratches.

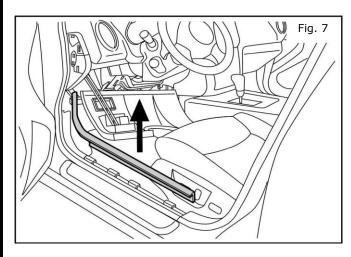
5. Carefully pry out the center footwell panel from the driver side center stack.



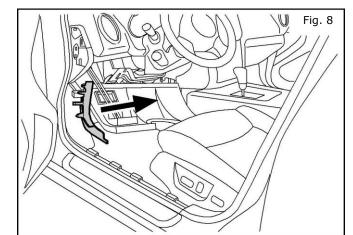
6. Carefully pry out the center footwell panel from the passenger side center stack.

## **11. INTERIOR PREPARATION**

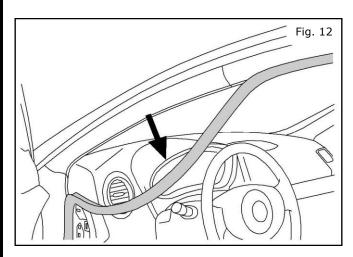
7. Pry off the trim panel along the bottom door seal from the seat to the footwell on the driver side. Repeat for passenger side.

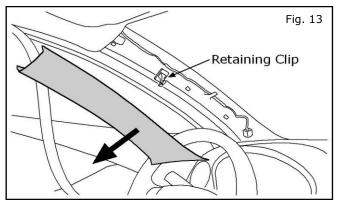


8. Remove the driver's side footwell trim panel. Repeat for passenger side.



12. Carefully pull back the driver side door seal welt to access the A-Pillar trim panel.



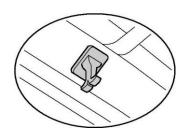


13. Carefully remove the driver side A-Pillar trim panel.

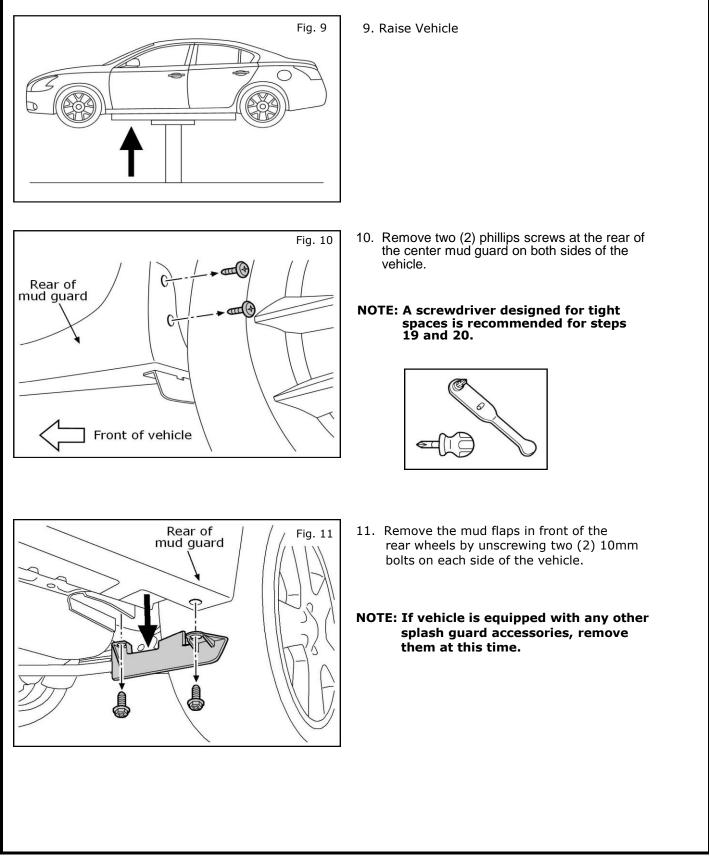
NOTE: There is a retaining clip that holds the trim panel to the A Pillar along with a number of press clips. This clip will NOT be reused.

Use a pair of cutters to sever the retaining clip and free the A Pillar trim panel.

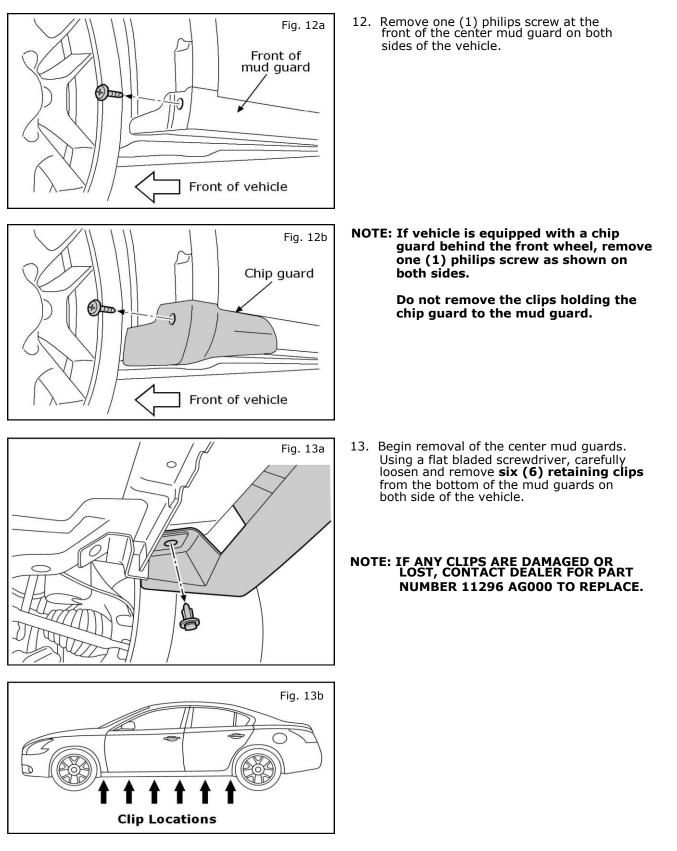
IF PART IS LOST CONTACT DEALER FOR PART NUMBER 76988 JF00A TO REPLACE.

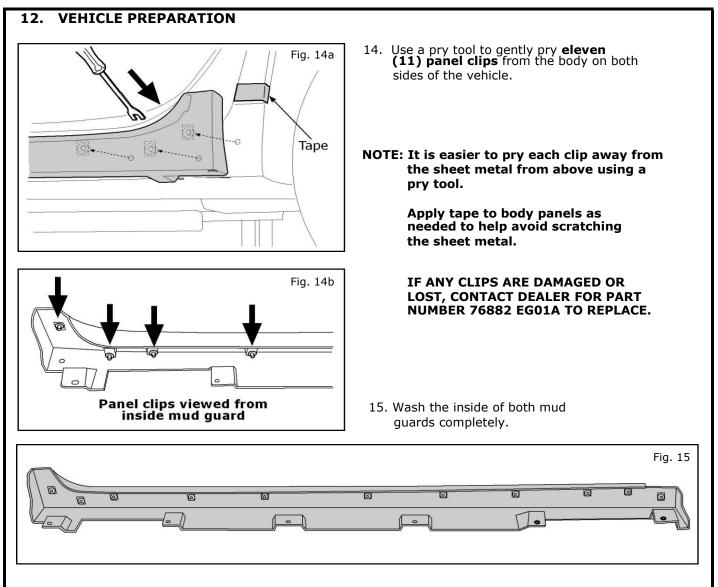


## **12. VEHICLE PREPARATION**



## **12. VEHICLE PREPARATION**



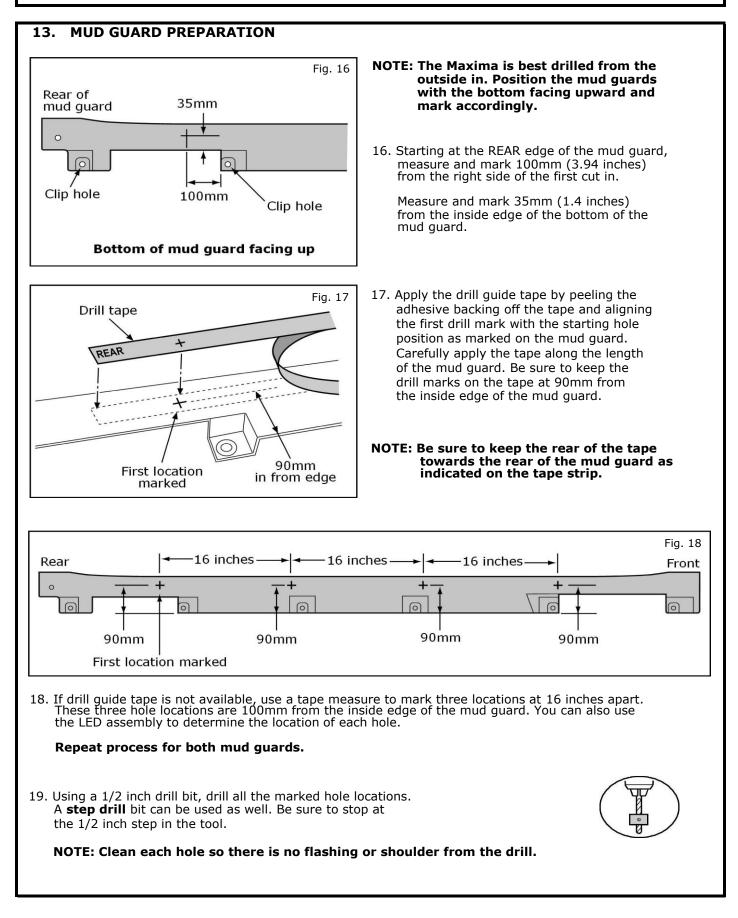


## Verify all panels have been removed. They are:

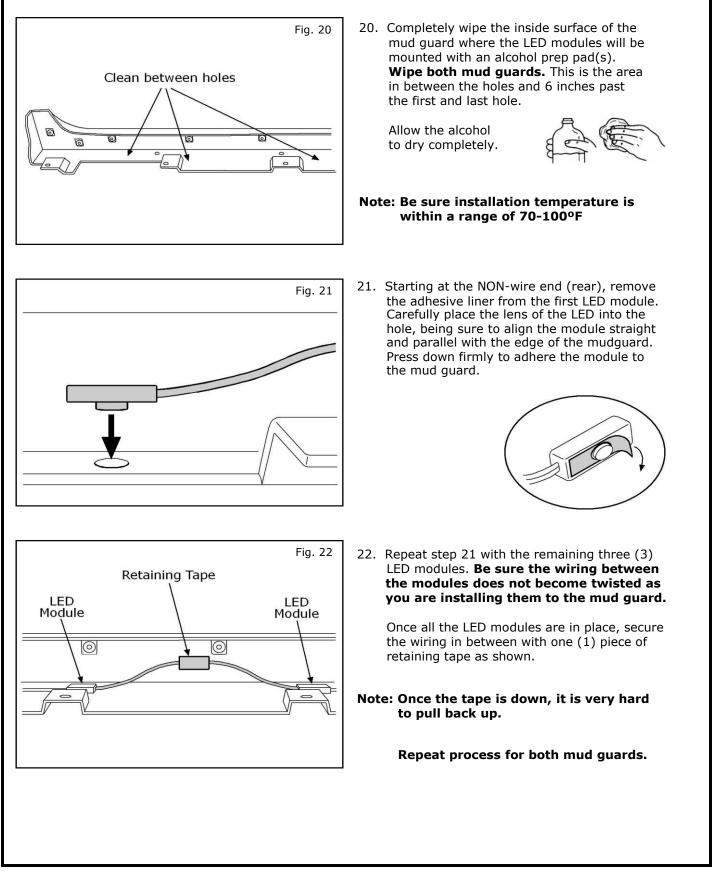
LH RH

- □ 1. The Steering finisher panel under steering column.
- □ □ 2. Footwell panels for driver and passenger panels at the center stack.
- □ □ 3. Footwell trim for driver and passenger panels near each door.
- □ □ 4. Front sill plate cover covers the door seal welt next to each seat.
- **5**. LH Instrument Side Mask the panel by the door.
- $\Box$   $\Box$  6. Front wheel trim for mud guard, both sides held by screws by the front tires.
- $\Box$   $\Box$  7. Rear wheel trim for mud guard, both sides held by screw at the rear tires.
- □ □ 8. Left and Right side center mud guard long panels under the doors.
- □ □ 9. Rear Splash guard, both sides held by two (2) 10mm bolts under the vehicle.
- □ 10. Driver side A-Pillar trim.

## Note: Make sure all panels have been removed.



## 13. MUD GUARD PREPARATION



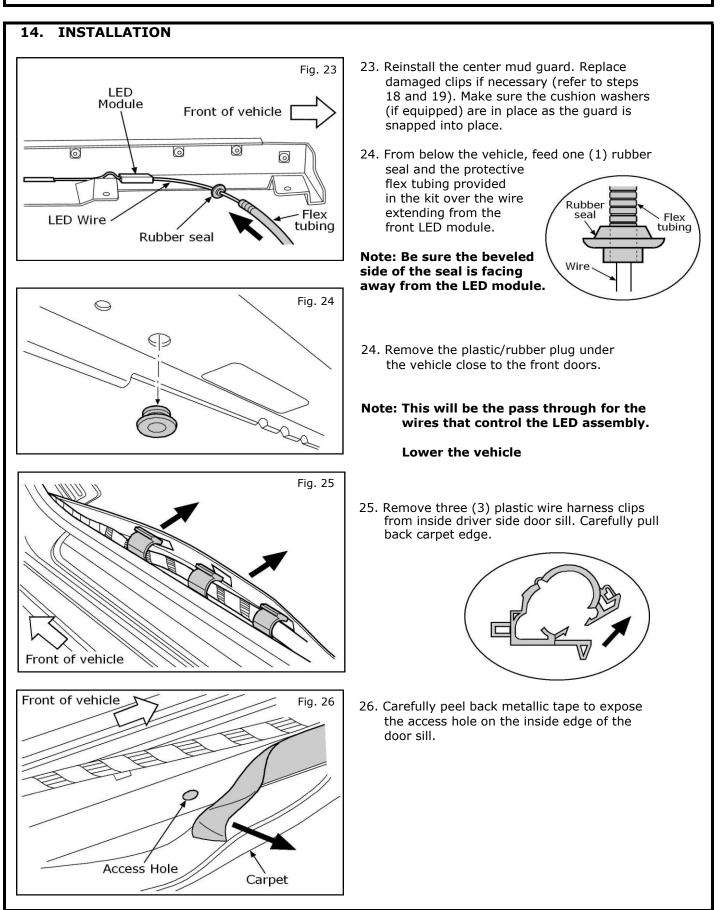


Fig. 28

Inside hole

LED

wires

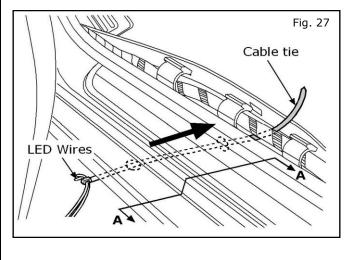
Rubber seal

## **14. INSTALLATION**

Section AA

Flex

Tubing



Bottom

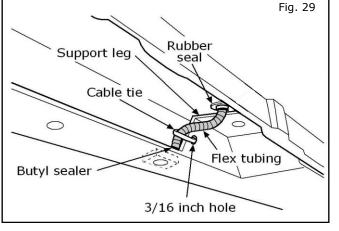
hole

Rubber seal (in place) 27. Next, feed the wires through the end of a long cable tie. Use the cable tie to route the wires through the hole in the bottom of the vehicle and up through the access hole inside the door sill.

28. From below the vehicle, feed the flex tubing through both access holes. Slide another rubber seal provided in the kit over the wires and the flex tubing from inside the vehicle.

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

Raise the vehicle.



29. Press the lower rubber seal into position. Make sure that there is no excess slack in the wiring in the mudguard. Apply **butyl sealant** to end of the flex tube around the wires.

Locate the support leg from the mud guard to the vehicle close to the bottom seal. (See Fig. 29)

Drill a 3/16 inch hole midway between the guard and the vehicle.

Use a 4 inch cable tie to secure the wires to the support leg.

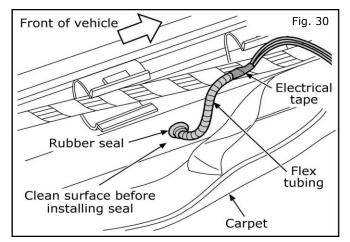
Lower the vehicle.

Flex tubing

> Rubber seal

Wire

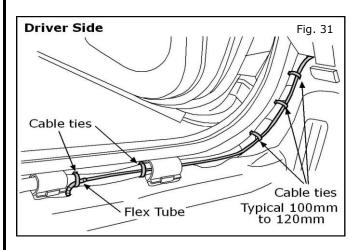
## 14. INSTALLATION



30. Allow approx 3" of flex tubing over the wires on the inside of the vehicle. Press the inside rubber seal into position. Wrap electrical tape around the open end of the flex tubing.

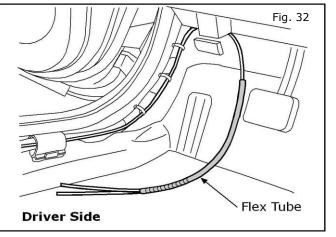
Note: Make sure both seals, top and bottom, are properly installed.

Repeat procedure for passenger side of vehicle.



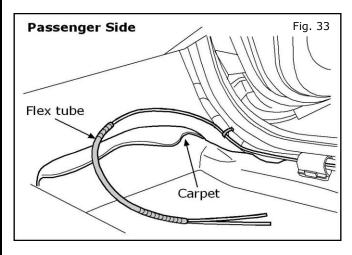
31. Route the wires from the driver side to the fuse panel by running the wires up the harness and securing with cable ties.

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

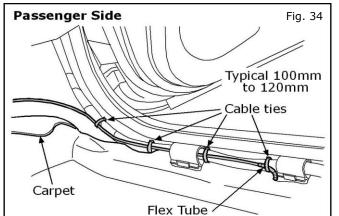


32. Feed the wires from the driver side LEDS through a section of flex tubing to protect the wires under the dash.

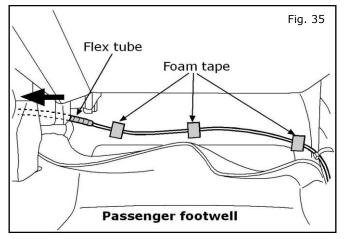
## 14. INSTALLATION



33. Feed the wires from the passenger side LEDS through a section of flex tubing to protect the wires under the dash.



34. Route the wires from the passenger side to the fuse panel by running the wires up the harness to the carpet backer, across the backer to the center stack. Feed the wires through the center stack so they come out under the instrument cluster and across to the fuse panel. Secure with cable ties.



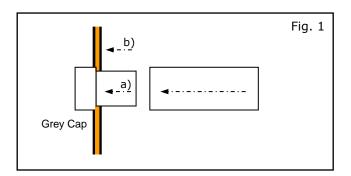
- 35. Carefully pull down the carpet backer, tuck the wiring behind and secure with foam tape. Press the carpet backer back into position.
- 36. **Reinstall** the harness clips, both sides.
- 37. **Reinstall** the footwell trim, both sides.
- 38. **Reinstall** the footwell panels on both sides of the center stack.

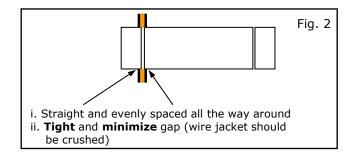
#### NOTE: There should now be four (4) wires from the LED assemblies near the fuse block.

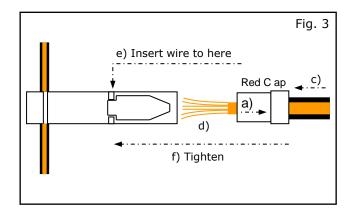
Pull the wires from the LED strips to the driver door handle. Use wire cutters to shorten the wires to a manageable length.

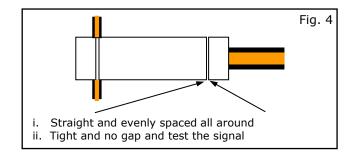
## **15. POSI TAP INSTRUCTION**

#### NOTE: Identify and confirm (test if necessary) the correct vehicle wire to be tapped.









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

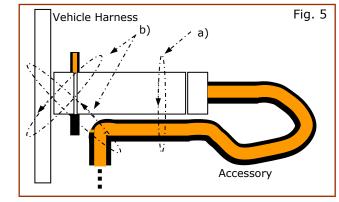
# NOTE: Do not re-use the tap for subsequent re-installation. Figures are not to scale

2) Inspect the tap to ensure correct installation.

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

- 3) Tap accessory wire.
  - 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 <u>TIGHT</u> with finger pressure.
- 4) Confirm the tapped accessory wire.
  - a) Inspect the tap to ensure correct installation.
  - b) Test the signal to ensure that it is working properly.

## 15. POSI TAP INSTRUCTION

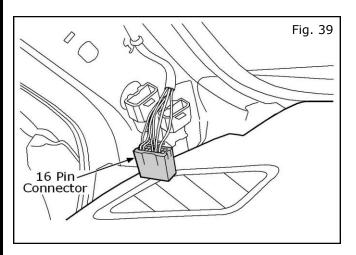


- 5) Secure the tap.
  - a) Secure the tapped wire on the non-pierce side to the body of the tap with electrical tape (≥ 2 revolutions)
  - b) Secure the body to harness where vehicle wire is being tapped with electrical tape (≥ 2 revolutions).

## 16. INSTALLATION

# CAUTION

- Color(s) given in illustration(s) are for reference only. Use location(s) where color deviates.
- If a vehicle wire is being used by another accessory and a posi-Tap is present, tap the accessory wire NOT the vehicle wire.



39. There are two (2) connectors in the A Pillar. One will have 16 cavities.

Disconnect the upper or top part of the connector going up the pillar.

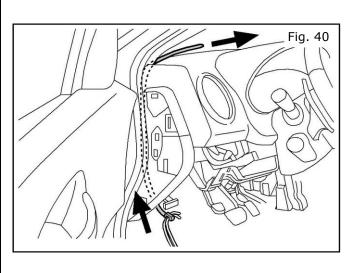
Locate the second and third cavity positions containing **White** wires LG01 and LG02.

AS VIEWED FROM THE HARNESS SIDE

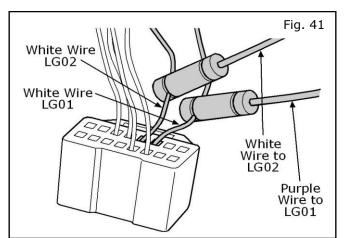
# NC01 LGE1 LG02 LG01

#### T H 1 6 F W - N H

40. Locate the **Purple** and **White** wires on the Security Lighting Controller. Push the ends of both wires through the end of a 15 inch cable tie and use the tie to direct the wires up through the dash to the A Pillar.

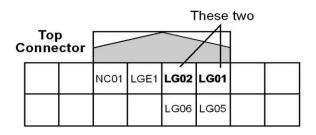


## **16. INSTALLATION**



 Use a Posi-tap and instructions to connect the White Accessory wire from the Controller to the White vehicle wire, LG02 and the Purple Accessory wire from the Controller to the White vehicle wire, LG01 at the A Pillar.

#### AS VIEWED FROM THE HARNESS SIDE





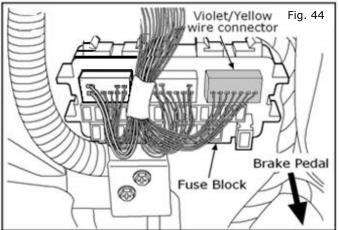
Using the diagram shown here, verify that the third wire over **LG01** is tapped with the **Purple Accessory** wire and the fourth wire over **LG02** is tapped with the **White** Accessory wire.

Note: Connecter is shown as viewed from the harness side

- 42. **Reinstall** the A Pillar trim panel. **Install** the new tether clip provided in the kit. Use a pair of needle nose pliers to install the new clip. Make sure the retaining clip is pushed into the opening (refer to fig. 13). **IF CLIP IS LOST OR DAMAGED, CONTACT DEALER FOR PART NUMBER 76988 JF00A TO REPLACE.**
- 43. **Reinstall** the door seal welt. Do not pinch the welt by the Instrument panel.

Note: There are FIVE wires in the power harness for this kit. They are: White - Room Lamp input Purple - Battery Saver Green - Ignition input Black - Ground Orange - LEDs output

## **16. INSTALLATION**



44. Locate the Fuse Block and identify the following two wires.

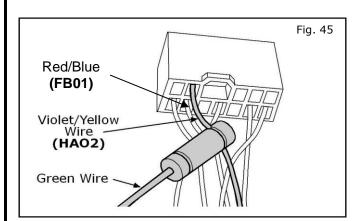
HA02 is a **Violet/Yellow** wire. Violet with Yellow Strip

NOTE: each wire is in a separate connector.

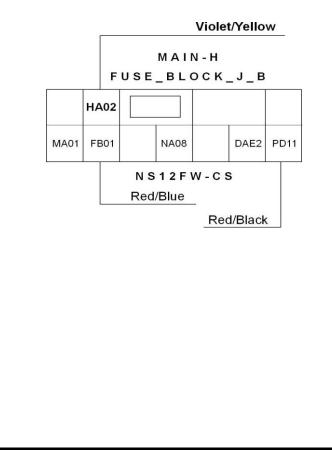
45. Locate the Violet/Yellow wire. It would be across from the Red/Blue wire.

Use a posi-tap and connect the **Green** Accessory wire to the **Violet/Yellow** vehicle wire by the fuse block.

## Consult the Mechanization if needed.



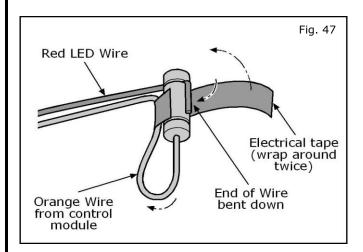
## AS VIEWED FROM THE HARNESS SIDE



## **16. INSTALLATION**

# Note: Test the LED strips before you continue by touching the Red wire to a 12V source on the vehicle. The LEDs should illuminate.

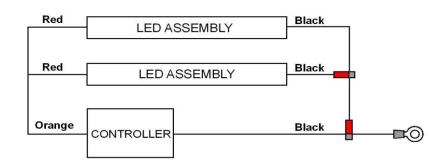
46. Route the four wires from the two LED strip to the area just above the fuse block. Add 150mm and cut the excess. Use a posi-tap to connect the **Red** wire from one LED strip to the other **Red** wire from the other LED strip.



47. Use a posi-tap to connect the **Orange** Accessory wire from the control module to the outer end of the **Red** wire from the LED strip. Leave a short length of wire extended past the posi-tap and bend down as shown. Use electrical tape to secure the red wire against the posi-tap with at least two revolutions.

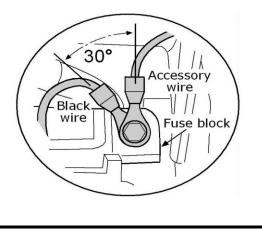
#### Note: Make sure that the end of the Red wire is completely covered by the tape.

48. Use a Posi-Tap to connect one **Black** Accessory ground wire to the second **Black** Accessory ground wire. Use a Posi-tap to connect the second **Black** Accessory ground wire to the **Black** wire of the controller module.



- 49. Use an 8mm nut driver or equivalent to remove the bolt on the upper right corner of the fuse panel. Secure the eyelet to the 8mm bolt. Reinstall bolt and tighten. See Fig. 51 for reference.
- Note: If other accessories share the 8mm ground bolt, eyelets should be spaced 30 degrees apart.

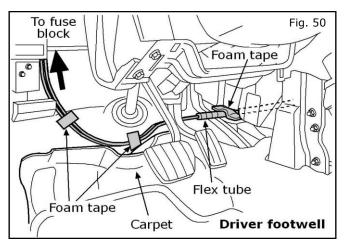
Reconnect the negative battery terminal at this time.



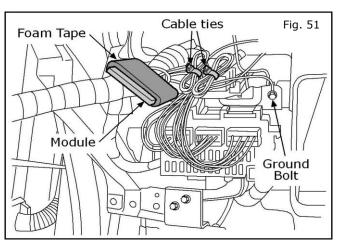
## **16. INSTALLATION**

Over all - this is how the controller needs to be connected:

- a. White (Room Lamp) from controller goes to LG02; a White (#2 slot) wire in the A-Pillar.
- b. Purple (Batt. Saver) from controller goes to LG01; a White (#3 slot) wire in the A-Pillar.
- c. Green from controller goes to HA02, a Violet/Yellow wire above the fuses.
- d.  ${\bf Black}$  from controller goes to  ${\bf Black}$  ground wire at trunk release switch.
- e. Orange from controller goes to the Red wire of the LEDs.



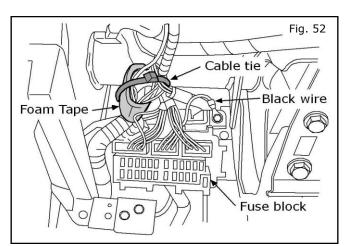
50. Use cable ties and foam tape as shown to secure wiring under the instrument panel.



51. Bundle the excess Controller module and Accessory wires. Secure wiring with two (2) cable ties. Wrap the Controller Module with foam tape to protect from sharp edges.

## Note: Trim all cable ties.

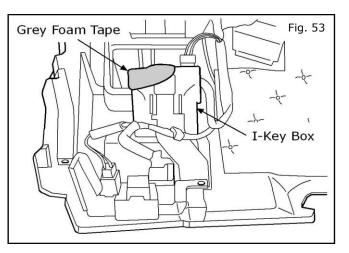
## **16. INSTALLATION**



52. Wrap more foam tape around the wire bundles and the Controller Module to secure them together and protect from sharp edges.

> Use a cable tie to secure the wrapped Controller Module to the existing wire harness.

Be sure not to block the fuse panel.



- 53. Wrap a piece of grey foam tape over the corner of the I-key box inside the steering finisher as shown.
- 54. **Reinstall** the steering finisher.

**Reinstall** the LH Instrument Side Mask.

Reinstall the kick plates.

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

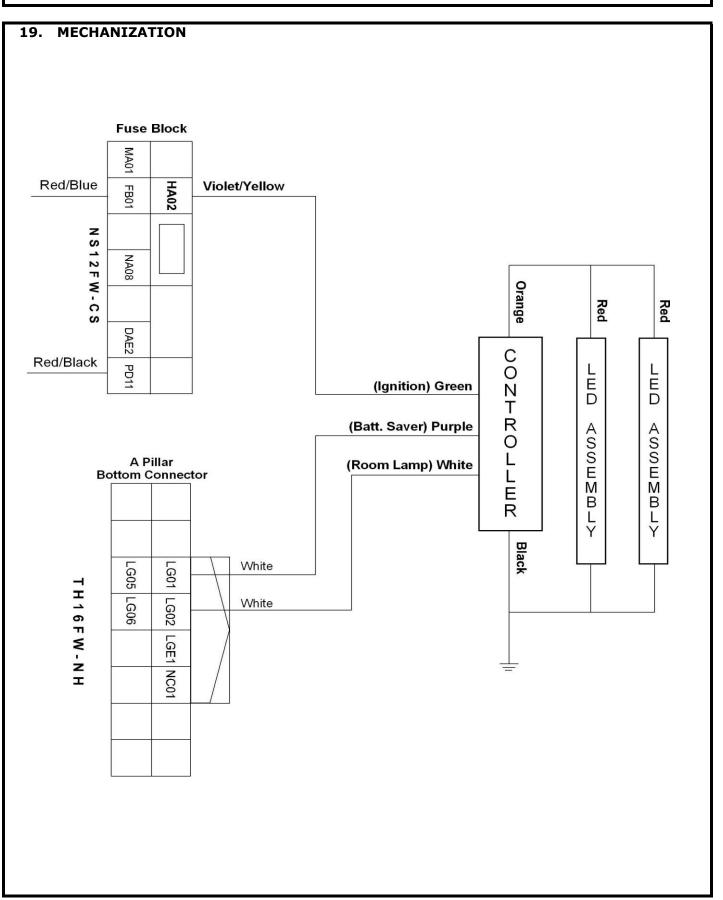
## 17. CHECK OUT

Inspect the vehicle for unfinished work.

- (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 doom 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.

## **18. BILL OF MATERIALS**

	Parts Contained in Bag Labelled 'Installation Kit'.	Qty	Part Number
1	Control module (within polythene bag)	1	999F4 AX080
2	LED Strip (within polythene bag)	2	999F4 AX002
3	Misc. parts kit	1	999F4 AX050
4	Wire retaining rectangle 40mm x 20mm - Adhesive one side	8	
5	Posi-tap connector - Red / Grey	7	999M1 VT000
6	Cable tie 4" - Black	12	
7	Alcohol preparation wipe	4	
8	Replacement template	1	999V2 AW000
9	Cable tie 11" - Black	3	
10	Grey foam rectangle 80mm x 30mm x 5mm - Adhesive one side	9	
11	Drill template strip	2	
12	Rubber grommet	4	28956 EA000
13	Corrugated flex tube	4	
14	Butyl gum	1	
15	A Pillar Retainer clip	1	76988 JF00A
16	Installation Instructions (Web)	N/A	999F4 MW000II



Mechanization