



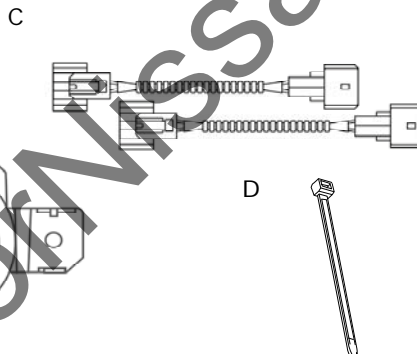
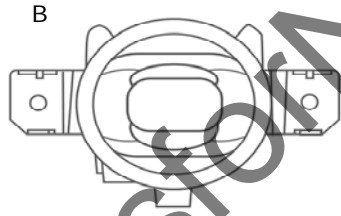
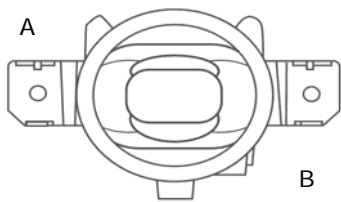
GENUINE PARTS

INSTALLATION INSTRUCTIONS

1. **DESCRIPTION:** LED Fog Lamp Upgrade
2. **APPLICATION:** Altima w/o DRL Type Fog Lamps
3. **PART NUMBER(S)** 999F1 V4001
REQUIRED FOR INSTALLATION:

4. **KIT CONTENTS:**

| Item | Qty | Part Description | Service Part Number |
|------|-----|----------------------------|---------------------|
| A | 1 | LED Fog Lamp Upgrade Kit | 999F1 V4001 |
| B | 1 | LED Fog Lamp Upgrade Kit | N/A |
| C | 1 | • RH LED Fog Lamp Assembly | N/A |
| D | 1 | • LH LED Fog Lamp Assembly | N/A |
| E | 1 | • Sub Harness Kit | N/A |
| F | 2 | • Fog Lamp Sub Harness | N/A |
| G | 4 | • Cable Ties | N/A |
| H | 1 | II Replacement Template | N/A |
| I | N/A | Installation Instructions | 999F1 U4LEDII |



E



5. **TOOLS REQUIRED:**

- Nylon Trim Tool
- Short 1/4" ratchet drive
- 1/4" Drive 10mm Socket
- Standard #2 Phillips Screwdriver
- Short #2 Philips screwdriver
- 10mm Ratcheting Wrench
- Flashlight
- Masking tape

6. **PRE-INSTALLATION CAUTIONS/NOTES:**

- Dealer Installation Highly Recommended (Instructions may refer to Service Manual).
- Dealer Installation Highly Recommended (Instructions call for use a hoist).
- Please read these instructions carefully before beginning to ensure correct installation.
- Please DO NOT use or install the part in ways other than what is described in this instruction manual.

CAUTION

- Be sure to use seat and floor protection during installation.
- Ensure that all parts are securely fitted and will not compromise safe function of vehicle systems.

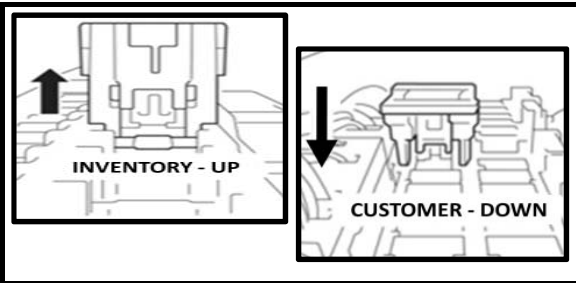
INSTALLATION INSTRUCTIONS

7. VEHICLE PREPARATION

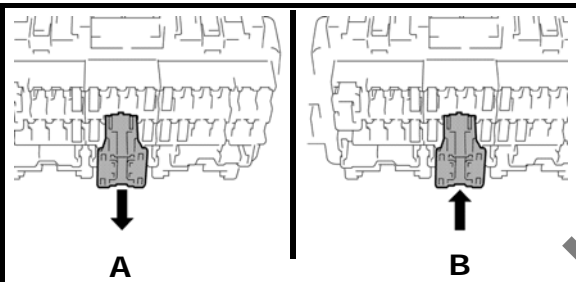
⚠ CAUTION

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

- 1) Apply parking brake
- 2) Confirm vehicle is no longer in default shipping state (Extended Storage Switch Pulled Up and BCM in Transit Mode). Failure to confirm vehicle has been removed from this state will result in loss of normal vehicle operation. Confirmation requires following Step. 3.



- 3) Locating Extended Storage Switch.
 - a) Locate Extended Storage Switch in cabin fuse block.
 - b) Check that Extended Storage Switch is in "Customer" position. As shown left for reference .



- 4) Engage and remove from transit mode
 - a) To engage transit mode, pull out in **A** direction as shown in the figure.
 - b) To remove from transit mode, press in **B** direction as shown in the figure.

| 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 | |

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

| Preset | 1 | 2 | 3 | 4 | 5 | 6 | | |
|--------|---|---|---|---|---|---|--|--|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

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

8. CRITICAL STEPS

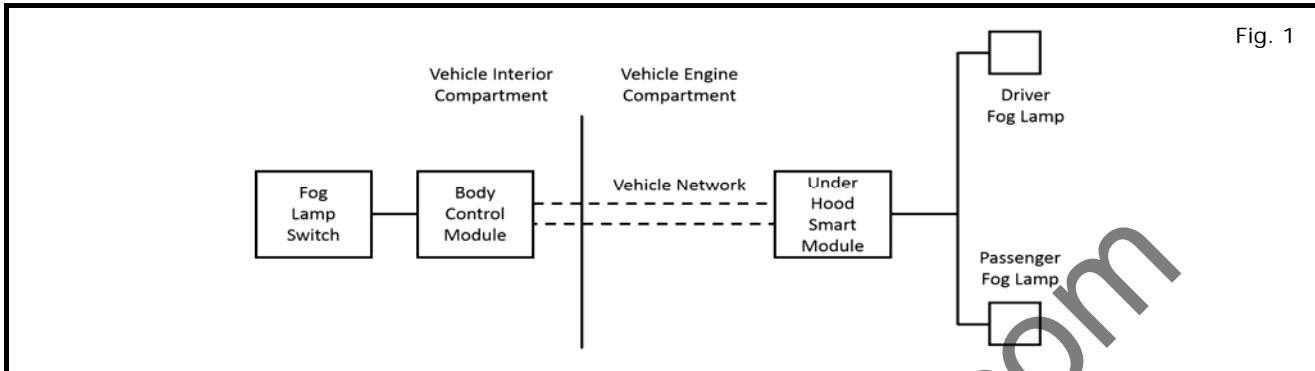
The following steps are critical and must be performed **Exactly** as specified to ensure proper installation:

- Placement of the fog lights is fixed, lamps can only be installed in the described location.
- 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.

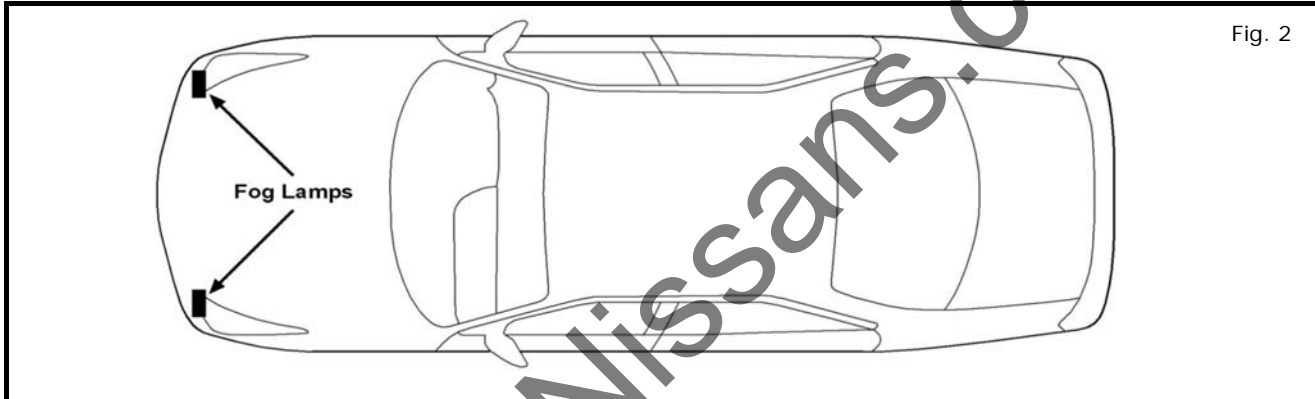
INSTALLATION INSTRUCTIONS

9. INSTALLATION OVERVIEW:

1.) SYSTEM



2.) VEHICLE



⚠ WARNING

- ALWAYS work from the side of an air bag module. NEVER work directly in front of it.

⚠ CAUTION

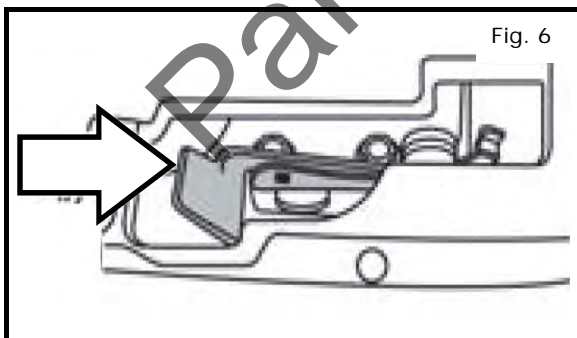
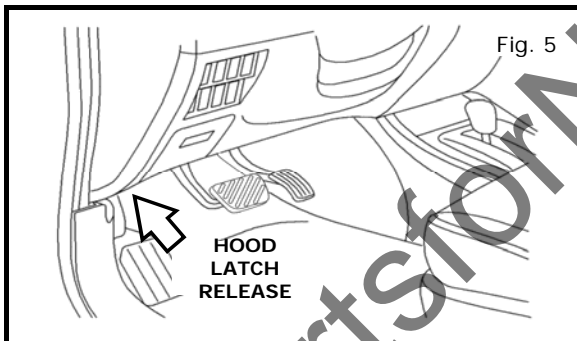
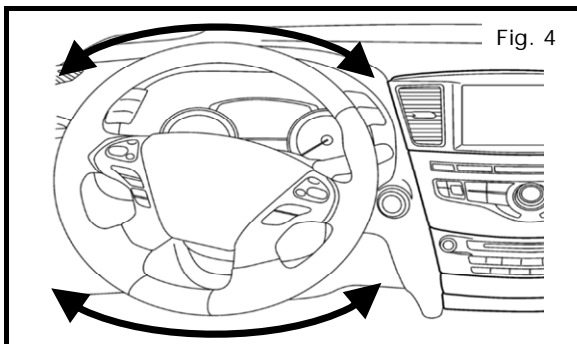
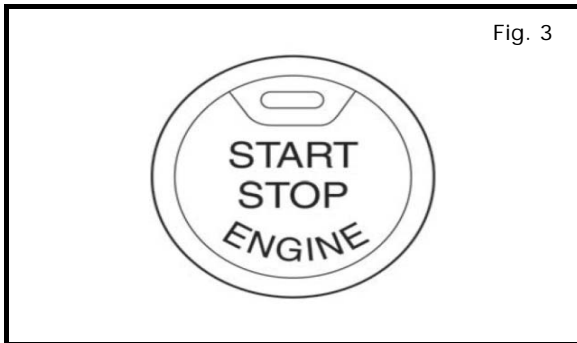
- Take care not to scratch or damage any component during the removal or re-installation process.
- Trim pieces found to have witness marks or broken clips ARE NOT to be reinstalled.
- Always remove vehicle parts in the sequence directed, improper procedure can damage parts.
- Store removed parts in a safe and protected manner.

10. ORDER OF INSTALLATION:

- 1.) Gently remove the necessary exterior and under car panels and trim.
- 2.) Install fog lamp assemblies.
- 3.) Install and route both jumper harnesses.
- 4.) Install fascia finishers.
- 5.) Gently remove the necessary interior panels and trim.
- 6.) Install new combination switch.
- 7.) Carefully replace all panels and trim.

INSTALLATION INSTRUCTIONS

11. INSTALLATION PROCEDURE:



- 1) Unlocking the steering wheel
 - a) Push ignition switch in center without depressing brake pedal once to change to ACC position.
- 2) Unlocking the steering wheel
 - a) Turn steering wheel to left and right be **SURE** it is unlocked before proceeding as shown in Fig. 4.
- 3) Opening the hood.
 - a) Pull hood lock release handle located below driver side instrument panel as shown in Fig. 5.
 - b) Hood will spring up slightly.
- 4) Opening the hood.
 - a) Push the lever at the front of the hood to the side as illustrated with your fingertips and raise the hood as shown in Fig. 6.
 - b) Raise hood.

CAUTION

- Make sure vehicle is in the OFF position then close all doors and allow vehicle to time out.

INSTALLATION INSTRUCTIONS

11. INSTALLATION PROCEDURE:

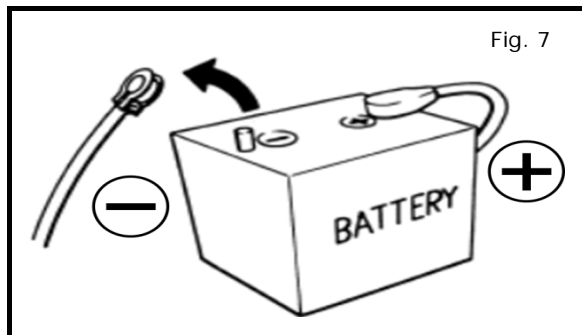


Fig. 7

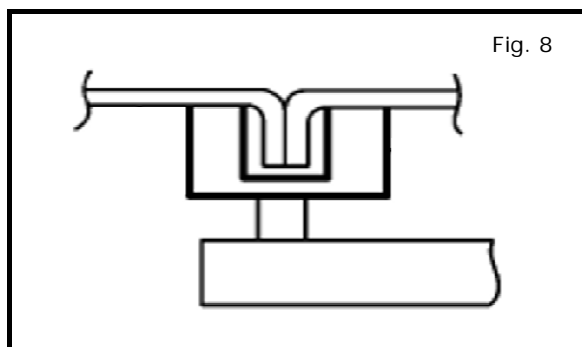


Fig. 8

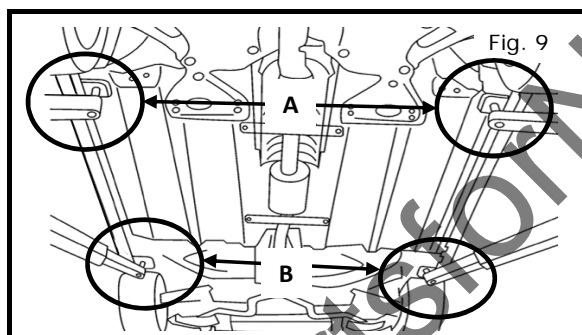


Fig. 9

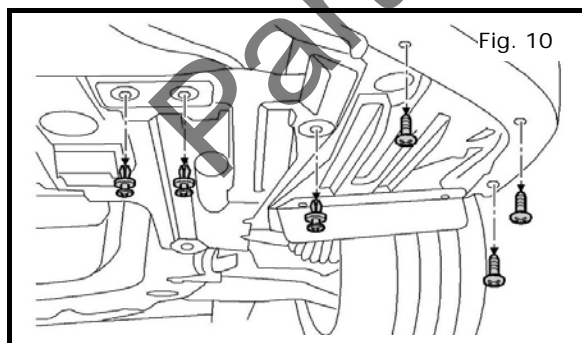


Fig. 10

- 5) Disconnecting battery terminal.
 - a) Use 1/4 ratchet and 10mm socket loosen Negative Terminal.
 - b) Remove and isolate negative terminal from negative post as shown in Fig. 7.

CAUTION

- Allow an additional 5 min after negative terminal dis-connect before separating any electrical connectors.

- 6) Raising vehicle.
 - a) Place appropriate lift pad adapter on the hoist arm as shown in Fig. 8.

- 7) Raising vehicle.
 - a) Be sure to position front lift arms on lift points marked here as "a" or the rear lift points marked as "b" as shown in Fig. 9.
 - b) Raise vehicle to an appropriate working height and rest lift on locks.

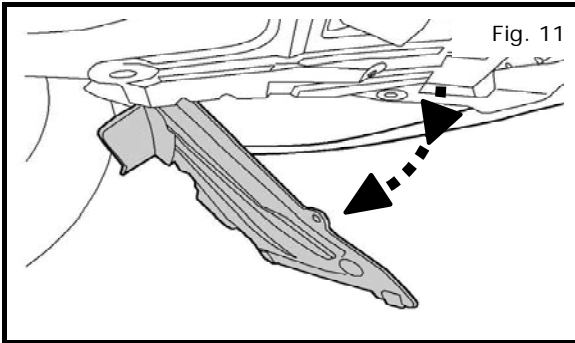
WARNING

- Make sure the hoist is resting on the locks and the vehicle is secure before beginning work.

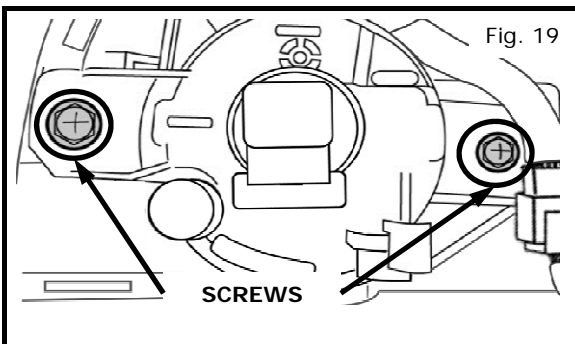
- 8) Removing front under cover and fender protector.
 - a) Locate front under cover and front fender protector side cover under front fascia.
 - b) Remove three (3) phillips screws followed by three (3) retaining clips as shown in Fig. 10.

INSTALLATION INSTRUCTIONS

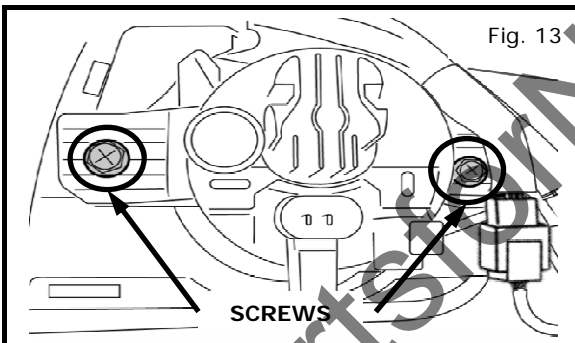
11. INSTALLATION PROCEDURE:



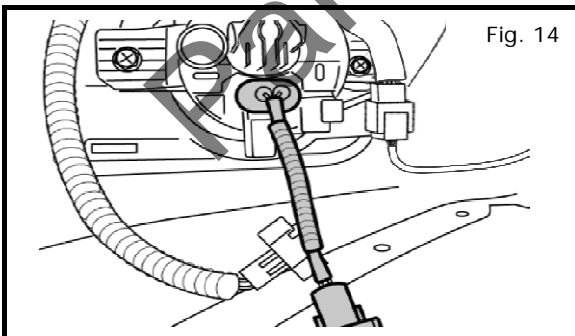
- 9) Removing halogen fog lamp assembly.
- a) Carefully pull down front fender protector side cover directly in front of the wheel as shown in Fig. 11.



- 10) Remove halogen fog lamp assembly.
- a) Remove two (2) 10mm bolts as shown in Fig. 12.
- b) Remove halogen fog lamp assy.



- 11) Installing LED fog lamp assembly.
- a) Install LED fog lamp assembly into fascia as shown in Fig. 13.
- b) Secure with two (2) 10mm bolts and torque to **5.4 N-m**.



- 12) Connecting jumper harness.
- a) Install fog lamp sub harness into connector on back of fog lamp as shown in Fig. 14.

⚠ CAUTION

- Listen for engagement and confirm connector is secure before proceeding.



INSTALLATION INSTRUCTIONS

11. INSTALLATION PROCEDURE:

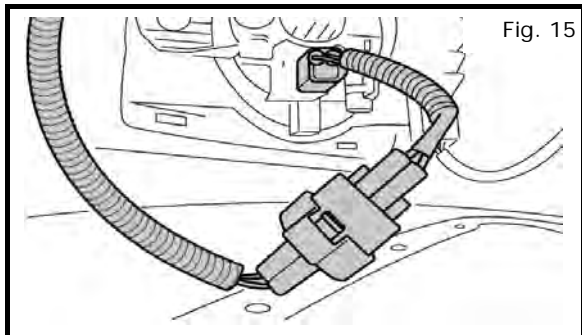


Fig. 15

- 13) Connecting jumper harness.
a) Install opposite end of sub harness into pre-wire connector as shown in Fig. 15.

CAUTION

- Listen for engagement and confirm connector is secure before proceeding.

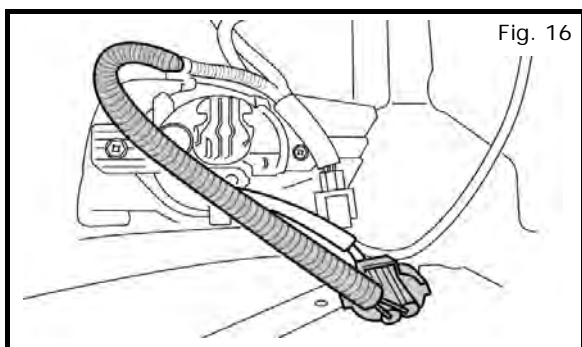


Fig. 16

- 14) Securing jumper harness.
a) Carefully position jumper harness up to fog lamp sub harness to secure as shown in Fig. 16.

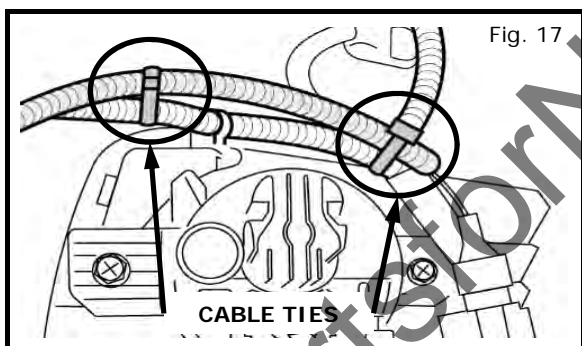


Fig. 17

- 15) Securing jumper harness.
a) Secure fog lamp jumper harness with two (2) cable ties as shown in Fig. 17.

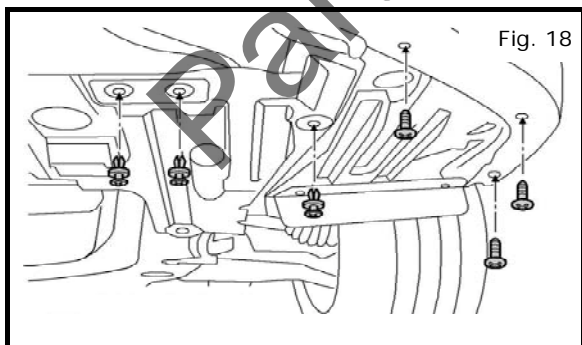


Fig. 18

- 16) Replacing front under cover and fender protector.
a) Place front under cover and front fender protector side cover back under front fascia.
b) Install three (3) phillips screws followed by three (3) retaining clips as shown in Fig. 18.

NOTE: Repeat steps 8 through 16 for the RH side of the vehicle.

INSTALLATION INSTRUCTIONS

12. ACCESSORY AIMING PROCEDURE:

33) Aim Fog Lamp

- a) Perform Fog Lamp Aiming Adjustment Procedure as stated in Service Manual, Sect L - Driver Controls: EXL-115 & 116 FRONT FOG LAMP Aiming Adjustment

CAUTION

- Follow procedure exactly as directed in Service Manual, Sect L - Driver Controls: EXL-115 & 116 FRONT FOG LAMP Aiming Adjustment.

13. ACCESSORY FUNCTION CHECK:

- ☐ Connect battery negative terminal and tighten terminal nut to 5.4 N-m (47.8 lb-in).
- ☐ Push ignition button until vehicle is in ACC position.
- ☐ Turn headlamp and fog lamp switches to ON position.
- ☐ Verify headlamps, fog lamps and tail lamps are illuminated.
- ☐ Verify headlamps and fog lamp indicators are illuminated on meter assembly.
- ☐ Verify turn signal, hazard and high beam functionality.
- ☐ Verify turn signal, hazard and high beam indicators are illuminated on meter assembly.
- ☐ Verify turn wiper and washer functionality.
- ☐ Turn headlamp switch to OFF position, leaving fog lamp switch in ON position.
- ☐ Verify both headlamp and fog lamps turn off.

INSTALLATION INSTRUCTIONS

14. FINAL INSPECTION:

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.

- ☐ Inspect installation area for any debris.
- ☐ 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 "OFF". Wait 10 seconds, then switch to "ON".
- ☐ Turn ignition switch to "ON" and confirm proper operation of vehicle systems and verify:
- ☐ Re-program radio presets and other vehicle settings to recorded settings.
 - ☐ Confirm proper audio function (AM, FM, SAT, CD and AUX).
 - ☐ Verify that there are no new Diagnostic Trouble Codes.
 - ☐ Verify all windows and sunroof (if equipped), one touch operation and perform reset procedure if necessary (**Refer to vehicle service manual for more details**).
 - ☐ Power Back Door (If equipped). - Turn on the car, push and note if trunk opens.
 - ☐ Tail Lamp - Turn on headlamps; open glove box and note whether light goes on.
 - ☐ Start vehicle. Note whether vehicle starts.
- ☐ Front Sonar Module Connector (if equipped) - Turn on vehicle, put vehicle in 'Drive'. Move slowly towards a large object in front of the vehicle. Note whether alarm sounds.
- ☐ Rear Sonar Module Connector (if equipped) - Turn on vehicle, put vehicle in 'Reverse'. Move slowly towards a large object behind the vehicle. Note whether alarm sounds.

INSTALLATION INSTRUCTIONS

15. BILL OF MATERIALS:

999F1 V4001 LED Fog Lamp Kit

| Item | Qty | Part Description | Service Part Number |
|------|-----|----------------------------|---------------------|
| A | 1 | LED Fog Lamp Upgrade Kit | 999F1 V4001 |
| B | 1 | • RH LED Fog Lamp Assembly | N/A |
| C | 1 | • LH LED Fog Lamp Assembly | N/A |
| D | 1 | • Sub Harness Kit | N/A |
| E | 2 | • Fog Lamp Sub Harness | N/A |
| F | 4 | • Cable Ties | N/A |
| G | 1 | II Replacement Template | N/A |
| H | N/A | Installation Instructions | 999F1 U4LEDII |

INSTALLATION INSTRUCTIONS

16. Mechanization:

