



## GENUINE PARTS

## INSTALLATION INSTRUCTIONS

**DESCRIPTION:** LED Fog Lamp Upgrade

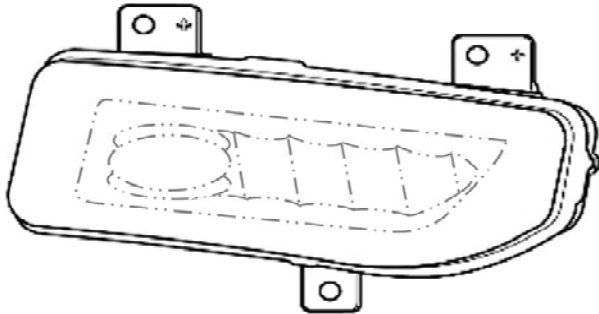
**APPLICATION:** Kicks

**PART NUMBER(S)** 999F1 V5LED

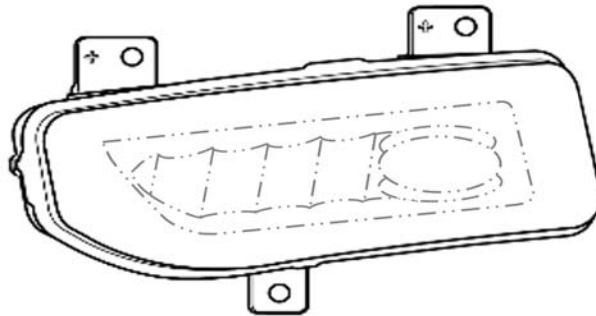
**REQUIRED FOR  
INSTALLATION:**

**KIT CONTENTS:**


**A**




**B**



**C**

**Important: Read Before Installation!**

Dealer Installation Recommended.

 **WARNING**

- To avoid serious personal injury or property damage, obtain Installation Instructions before attempting to install this accessory. The Installation Instructions provide the necessary procedures for a safe installation.

**CUSTOMER INTERNET DOWNLOAD INSTRUCTIONS:**  
Customers can obtain Installation Instructions for Infiniti or Nissan vehicles at [www.Infiniti-Techinfo.com](http://www.Infiniti-Techinfo.com) or [www.Nissan-Techinfo.com](http://www.Nissan-Techinfo.com) respectively. From the home page, select Accessory Instructions. Select your Model, Model Year, and Accessory Type or search for your Model, and or Model Year, and or Accessory Type including Keyword or Part Number, then locate the Instructions for your accessory.

**DEALER ASSIST DOWNLOAD INSTRUCTIONS:**  
Dealership technicians can locate the Installation Instructions for this accessory by scrolling to and select, 'Acc. Install Instructions' tab. Always download and use latest version of the Installation Instructions.

Installation Instructions Replacement Template 999V2 AW000 Rev. 07/12/15

**PART NUMBER(S)      999F1 V5LED**  
**REQUIRED FOR**  
**INSTALLATION:**

**KIT CONTENTS:**

Item	Qty.	Part Description	Service Part Number
A	1	RH LED Fog Lamp Assembly	Not Serviceable- Part of Kit 999F1 V5LED
B	1	LH LED Fog Lamp Assembly	
C	1	II Replacement Template	
D	N/A	Installation Instructions	T99F1 5RL3DII

**TOOLS REQUIRED:**

- Ratchet, 1/4" drive
- Socket, 10mm, 1/4" drive
- Extension, 100mm, 1/4" drive
- Torque Wrench, 1/4" drive
- Screwdriver, T-20, Torx
- Screwdriver, Phillips #2
- Nylon Trim Stick
- CONSULTIII+ Tool

**INSTALLATION CAUTIONS:**

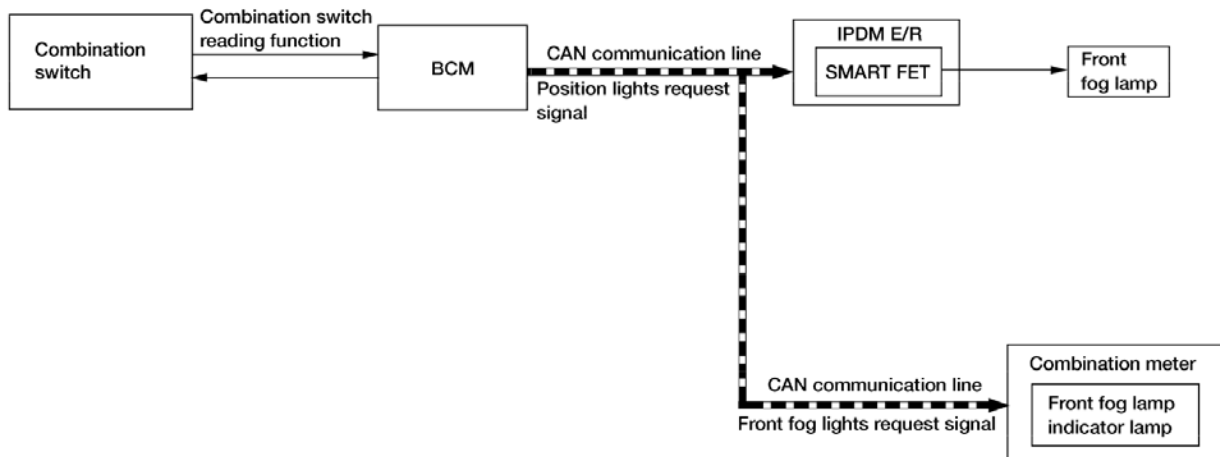


## CAUTION

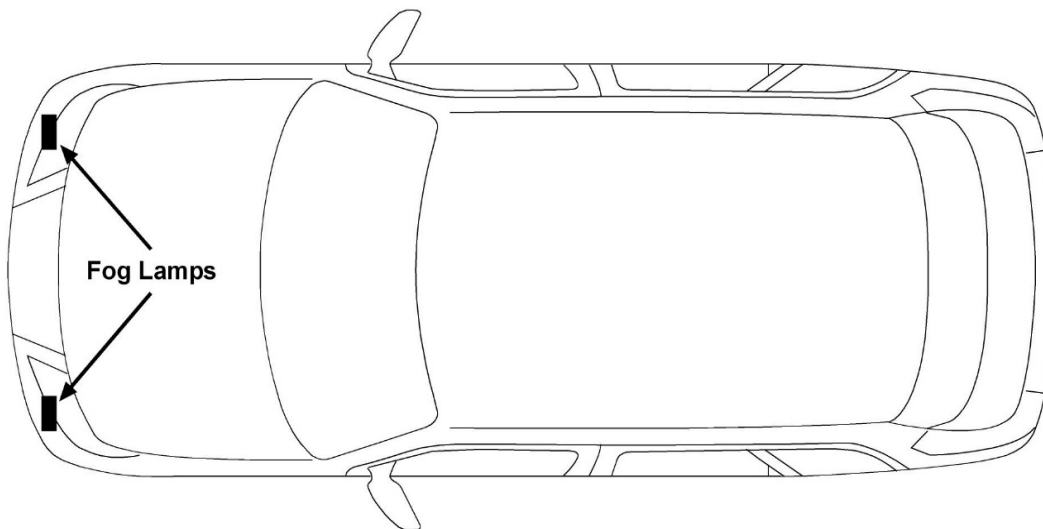
- **THIS PART IS DEALER INSTALL ONLY.**
- **CONSULTIII+ TOOL REQUIRED.**
- **Read these instructions completely before installing this product for correct installation.**
- **DO NOT** use or install the part in ways other than what is described herein.
- **Always** use floor, seat and steering wheel protection.
- **If problem occurs during installation, please contact Nissan dealer where product was purchased.**
- **Always** remove vehicle parts in the sequence directed, improper procedure can damage parts.
- **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.
- **Store** removed parts in a safe and protected manner.

## SECTION 1 - OVERVIEW

### 1.1) SYSTEM

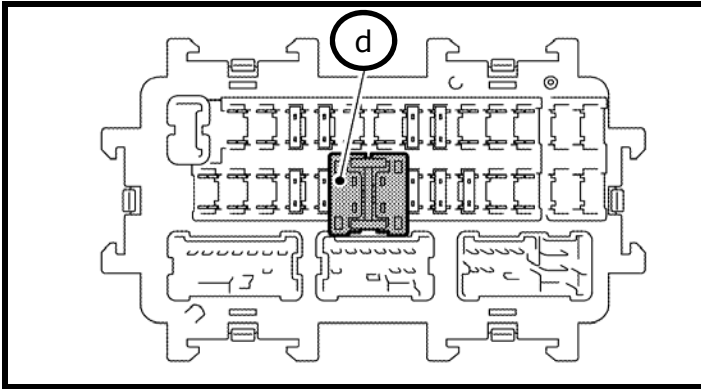


### 1.2) VEHICLE

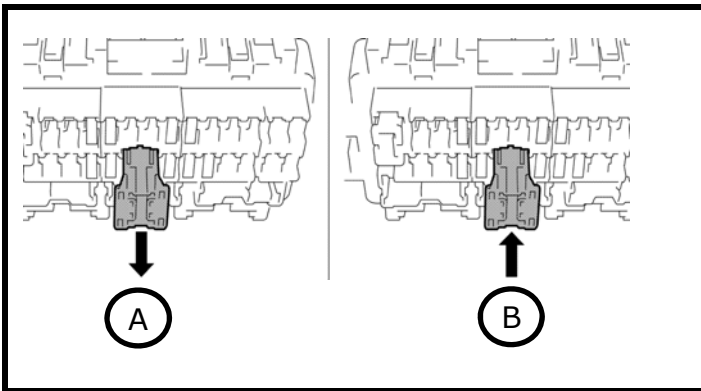


# **CAUTION**

- Always confirm the ignition is in the "OFF" position before changing the E.S.S. position.
- If E.S.S. is not in Customer Mode, there will be a loss of normal vehicle operation, preventing accessory function check.



- 2.1) Check Extended Storage Switch Position
- Put shift lever in "P" position for A/T and CVT or "1st" for M/T .
  - Apply park brake.
  - Place ignition in "OFF" mode.
  - Locate Extended Storage Switch in cabin fuse block as shown.
  - Confirm Extended Storage Switch is in "Customer" (In/Engaged) position.
  - If ESS is not In/Engaged, then proceed to step 2.2 .



- 2.2) Changing ESS Position
- To disengage Customer Mode, pull out in **A** direction as shown.
  - To engage Customer Mode, press in **B** direction as shown.

Condition	Switch Position	Note
Vehicle is delivered to the dealer	Transit (OUT)	
Vehicle is being stored at the dealer	Transit (OUT)	
Vehicle is delivered to customer	Customer (IN)	

- 2.3) Record Customer Presets
- Place ignition in "ON" mode.
  - Record the customer radio presets and other presets as required.

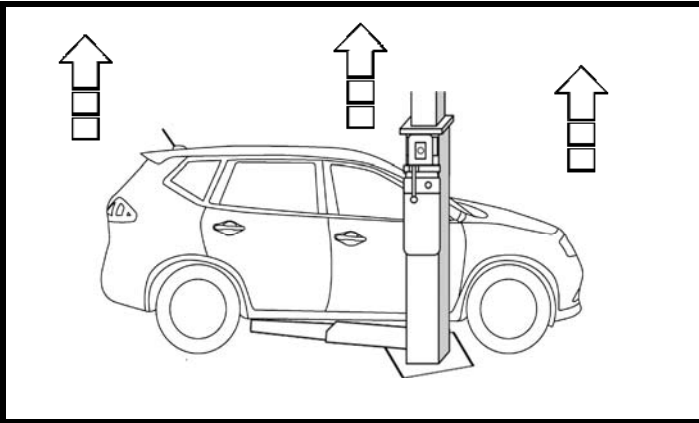
Preset	1	2	3	4	5	6	7	8	9	10

- Place ignition in "OFF" mode.



## CAUTION

- Read these Cautions completely before proceeding with installation
- For Battery terminal disconnection on EGI vehicles follow steps 2.5 through 2.6.
- For Battery terminal disconnection on HEV vehicles follow steps 2.7 through 2.11.



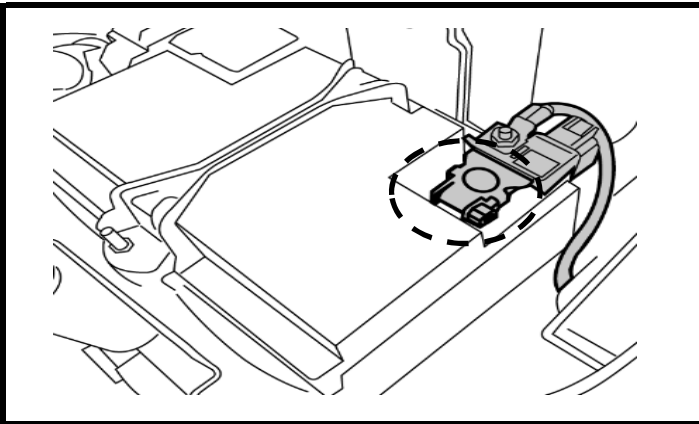
2.4) Lifting the vehicle.

- Locate lift points, set hoist arms and raise vehicle to necessary work height.



## WARNING

- Always use proper lift points as specified in Service Manual Section: GI
- Be sure vehicle is secure on locks before proceeding underneath.



2.5) Battery terminal removal.

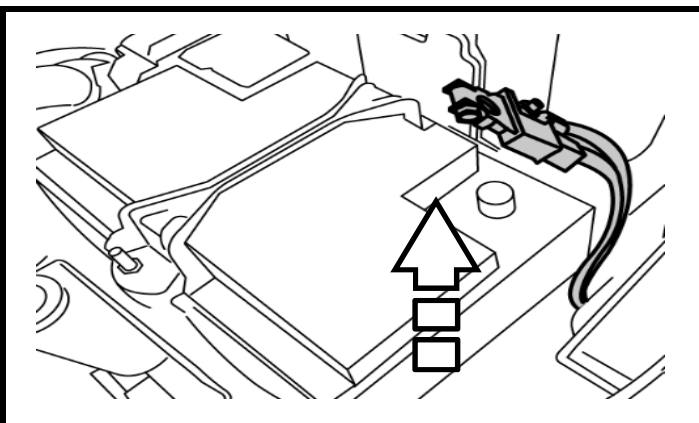
- Locate negative battery terminal.
- Loosen nut with 10mm socket.

Battery Terminal Nut



## WARNING

- Allow 3 min after key off with doors closed for vehicle power to time out.



2.6) Battery terminal removal.

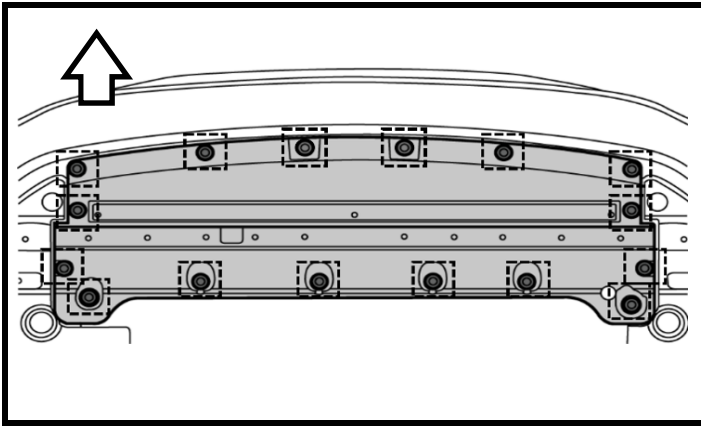
- Lift negative battery terminal off nut.
- Isolate negative battery terminal.



## WARNING

- Allow 3 min after negative terminal disconnect before separating any electrical connectors.

## SECTION 3 - REMOVAL PROCESS, EXTERIOR



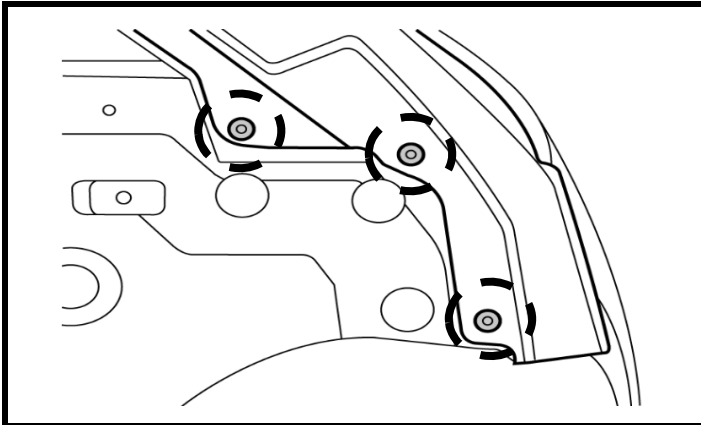
### 3.1) Removing under vehicle trim.

- a ) Locate engine under cover as shown.
- b ) Remove sixteen (16) Trim clips.

**Trim clips**



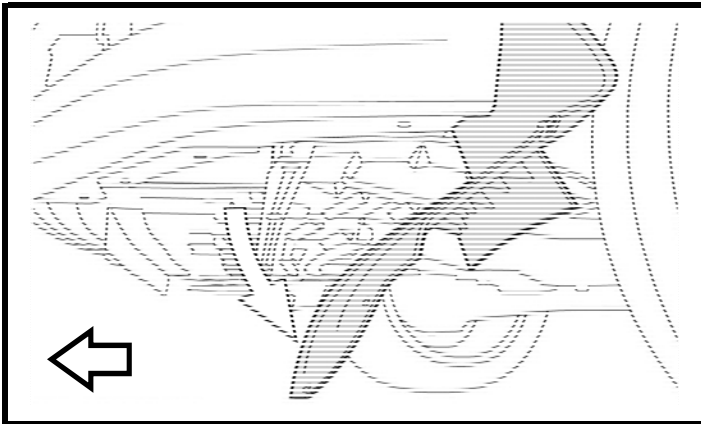
**Front of Vehicle**



### 3.2) Removing under vehicle trim.

- a ) Remove three (3) T20 Torx screw.

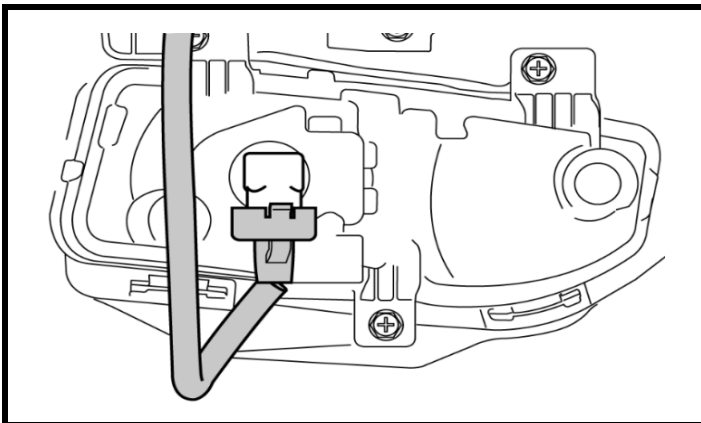
**T20 Torx screw**



### 3.3) Removing under vehicle trim.

- a ) Move LH fender protector down and back as shown.

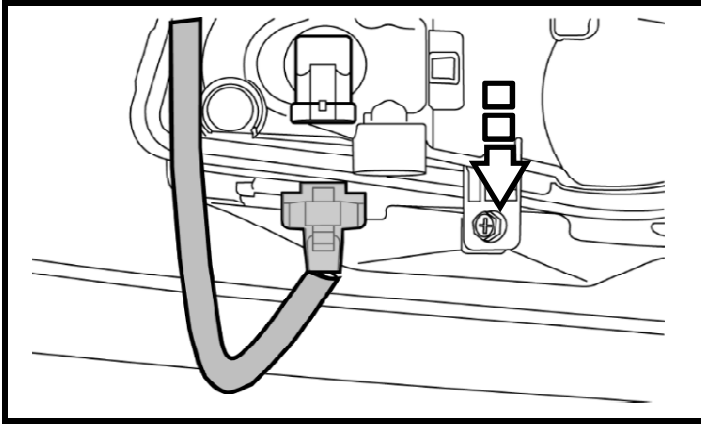
**Front of Vehicle**



### 3.4) Removing LH halogen fog lamp assy.

- a ) Locate pre wire to bulb connector on fog lamp assembly.

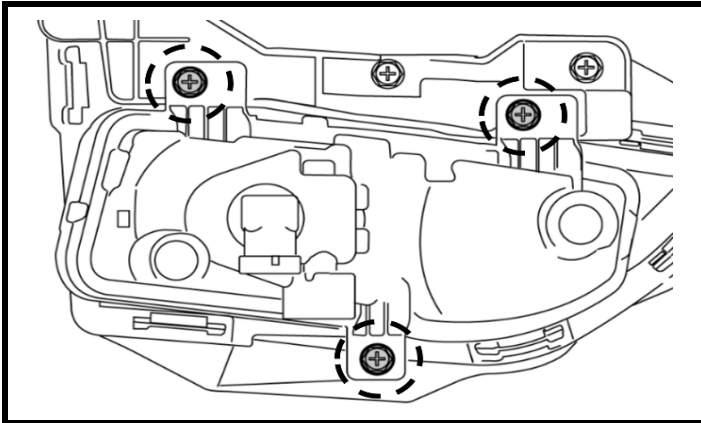
### SECTION 3 - REMOVAL PROCESS, EXTERIOR



3.5) Removing LH halogen fog lamp assy.

- a ) Remove pre wire connector from fog lamp assembly as shown.

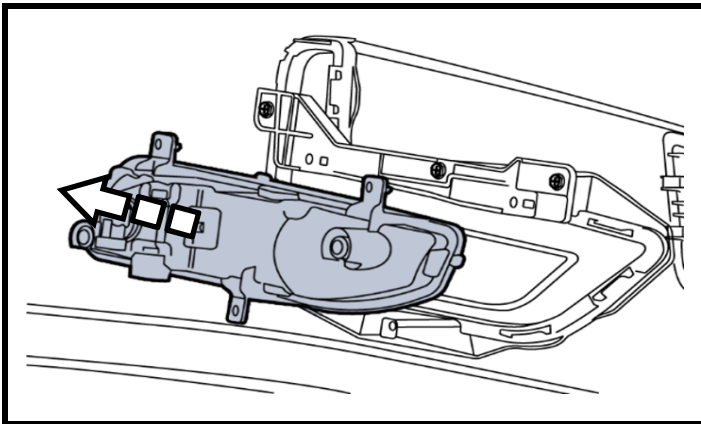
**Disconnect**



3.6) Removing LH halogen fog lamp assy.

- a ) Remove three (3) 10mm bolts that secure fog lamp assembly into fascia.
- b ) Torque screw to 5.4 N-m.

**10mm Screws**



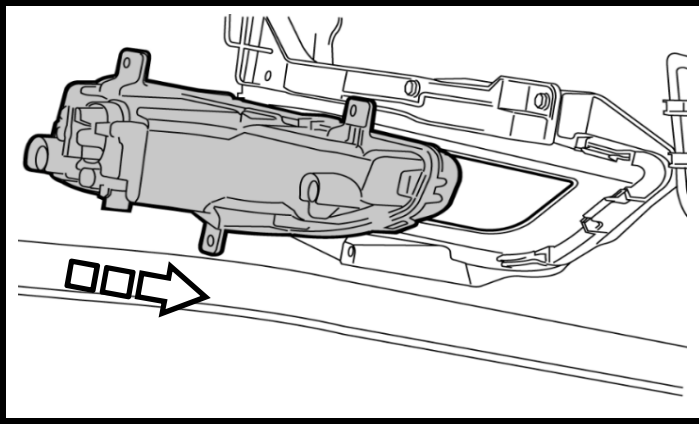
3.7) Removing LH halogen fog lamp assy.

- a ) Remove fog lamp assy from bracket.

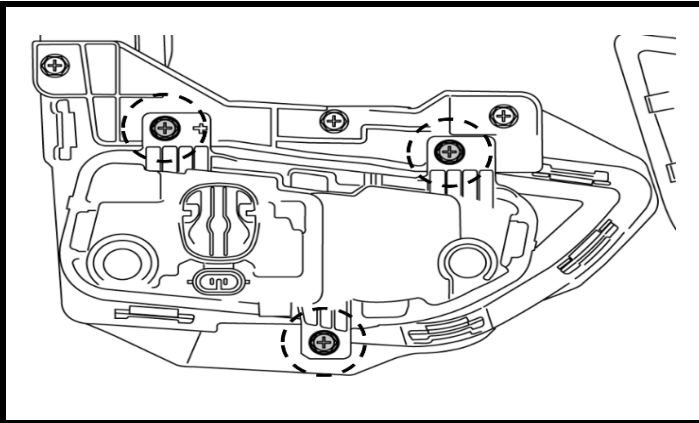
3.8) Removing RH halogen fog lamp assy.

- a ) Repeat Steps 3.1 through 3.7 for RH Fog lamp assy.

## SECTION 4 - INSTALLATION PROCEDURE, EXTERIOR

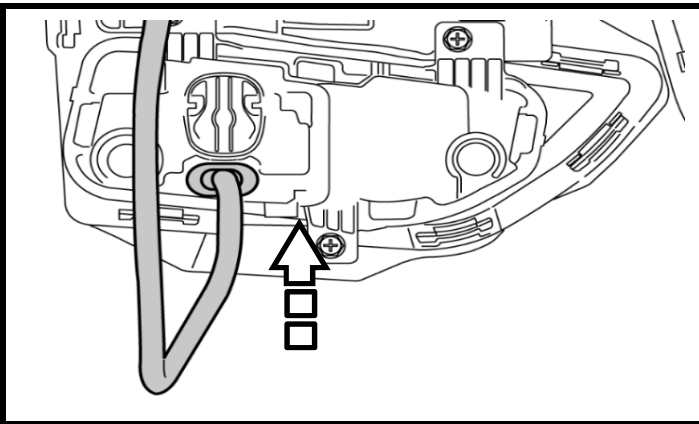


- 4.1) Installing LH LED fog lamp assy.  
a ) Install LED fog lamp assembly into location as shown.



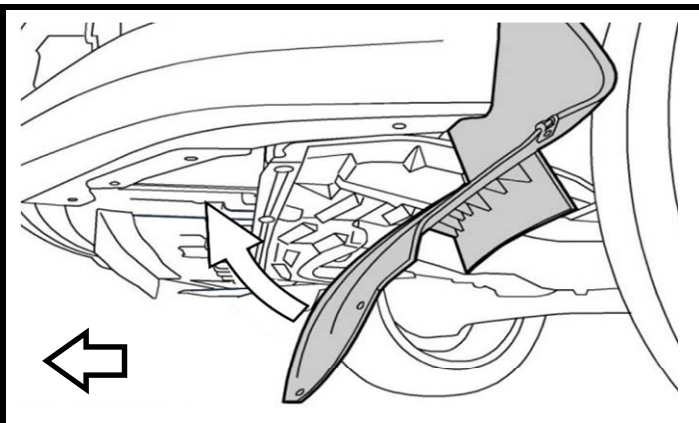
- 4.2) Installing LH LED fog lamp assy.  
a ) Install fog lamp assembly into fascia and secure with three (3) 10mm bolts.  
b ) Torque three (3) 10mm bolts to **5.4 N-m.**

**10mm SCREW**



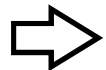
- 4.3) Installing LH LED fog lamp assy.  
a ) Connecting pre wire to connector in fog lamp assembly as shown.

**Connect**



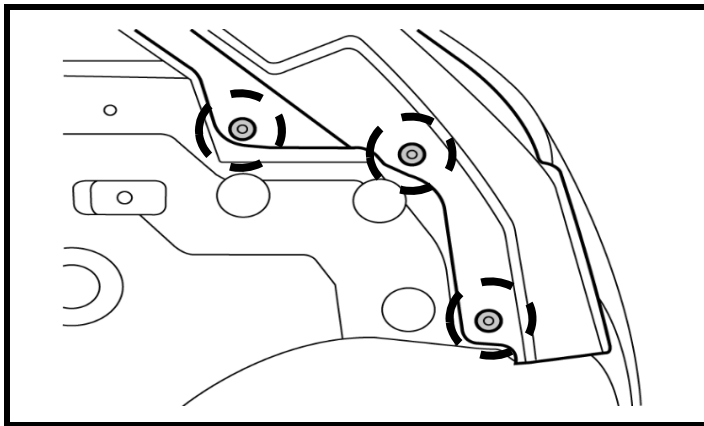
- 4.4) Installing under vehicle trim.  
a ) Move LH fender protector up and back into position.

**Front of Vehicle**





**SECTION 4 - INSTALLATION PROCEDURE, EXTERIOR**



- 4.5) Installing under vehicle trim.  
a ) Install three (3) T20 Torx screws.

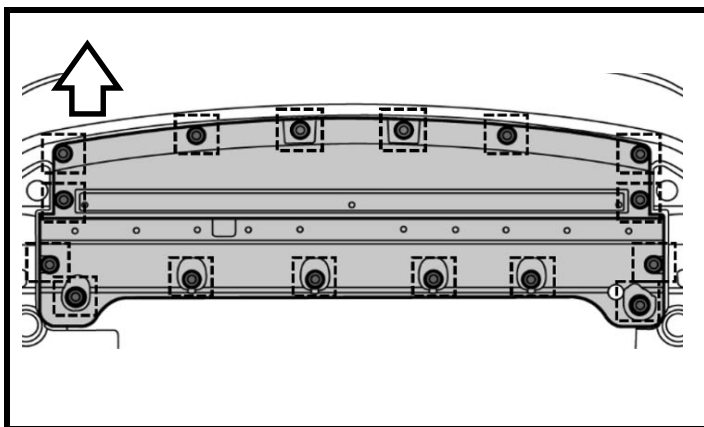
**T20 Torx screws**



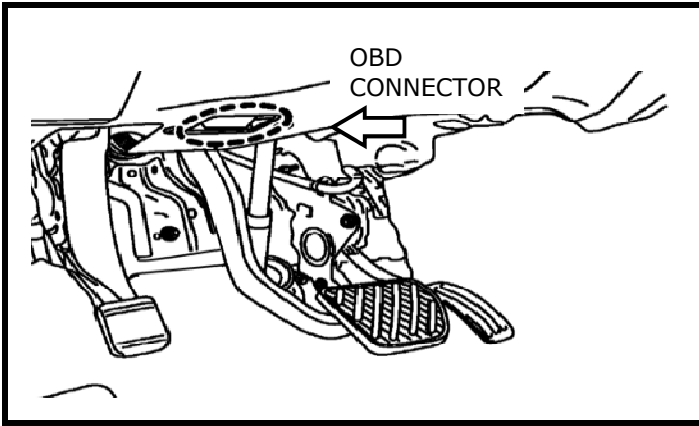
- 4.6) Installing RH LED fog lamp assy.  
a ) Repeat steps 4.1 - 4.5 for RH side of vehicle.

- 4.7) Installing under vehicle trim.  
a ) Install fourteen (14) Trim clips removed earlier into their locations.

**Trim Clip(s)**

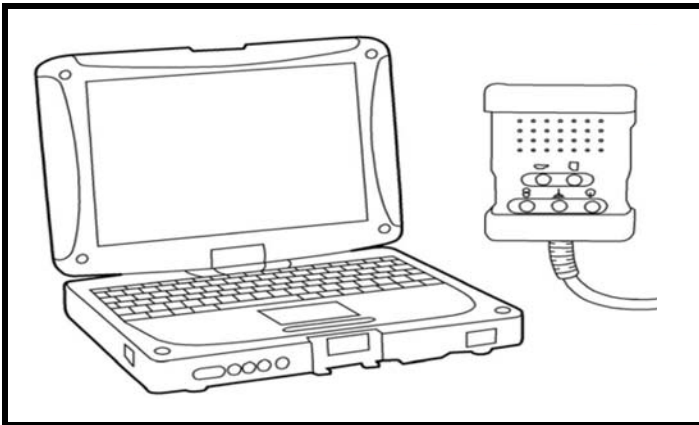


## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION



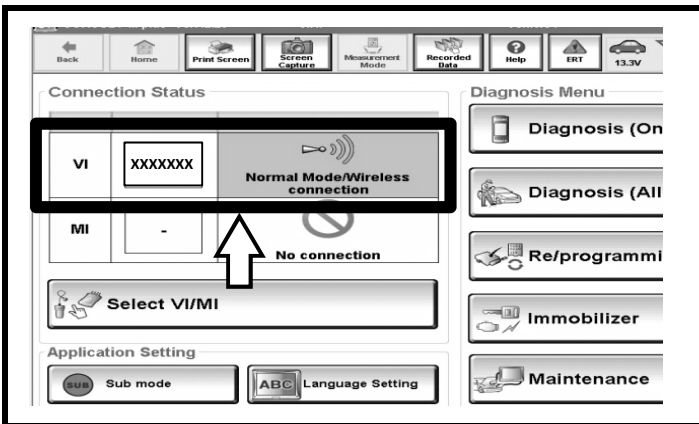
### 5.1) Locating the connector.

- Connect battery negative terminal and tighten nut to 5.4 N-m.
- Locate OBD Connector under steering finisher as shown.
- Connect CONSULTIII+ tool to vehicle OBD connector.



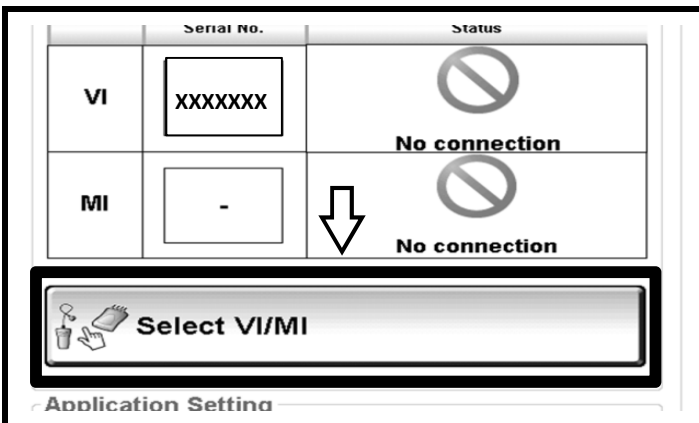
### 5.2) Connecting to the vehicle.

- Press and hold Start Button for at least two (2) seconds without depressing brake to put vehicle in Key On/Engine Off or ACC condition.
- Turn on hazard switch to prevent BCM from entering into CAN communication sleep mode.



### 5.3) Connecting to the vehicle.

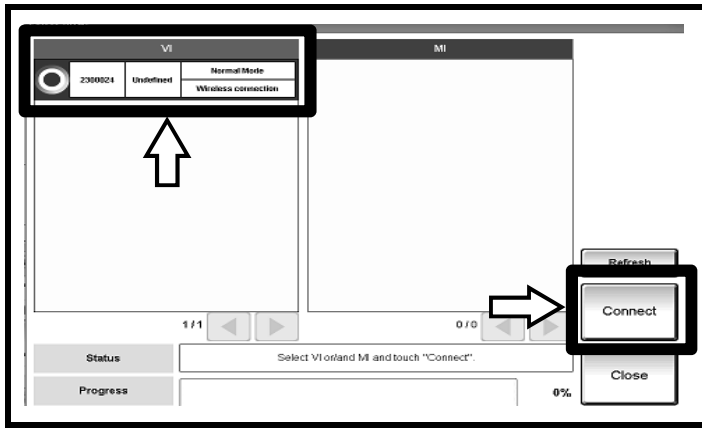
- Start CONSULTIII+ make sure VI is connected. VI serial number should appear in VI section and the VI status will change to "Normal Mode" (green color) as shown .
- If VI is connected to vehicle go to step 5.8 and continue installation. If VI is not connected to vehicle proceed to step 5.4.



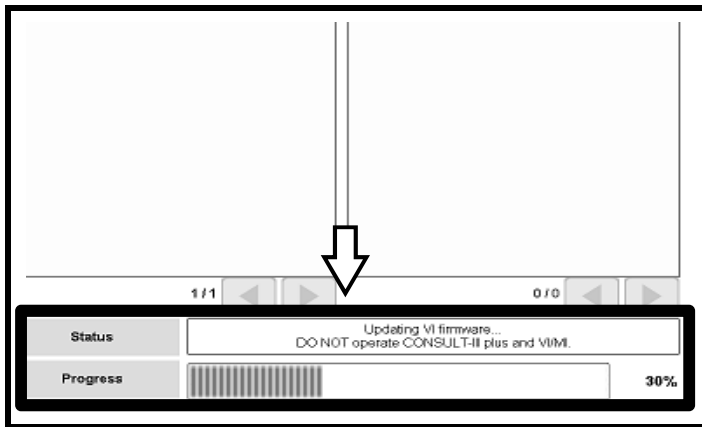
### 5.4) Connecting to the vehicle.

- If VI has not connected to vehicle, click Select VI/MI button to connect with vehicle as shown here.

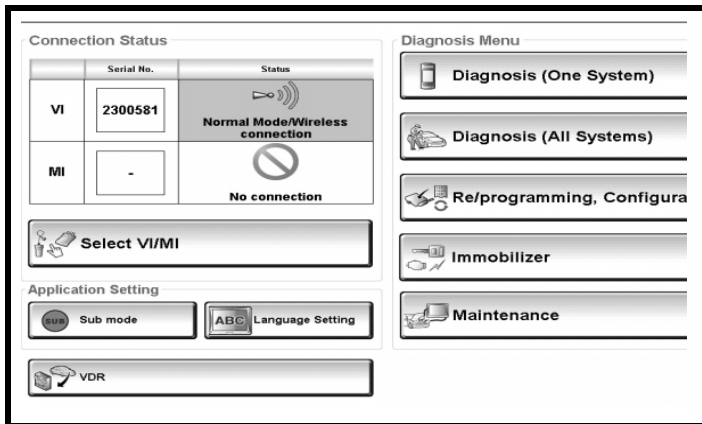
## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION



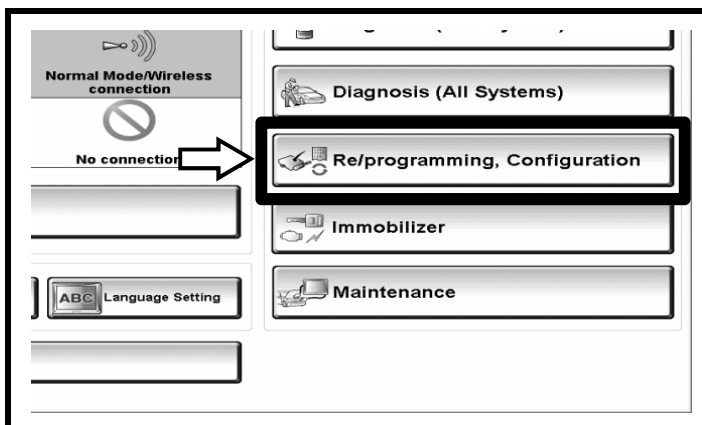
- 5.5) Connecting to the vehicle.
- Choose VI-2 detected.
  - Click "Connect" as shown.



- 5.6) Connecting to the vehicle.
- Wait until update of VI-2 firmware is completed.



- 5.7) Connecting to the vehicle.
- CONSULT-III+ will change to home screen automatically when procedure is complete and VI-2 is connected on Bluetooth.
  - Proceed to step 5.8 and continue with Re/programming, Configuration process.

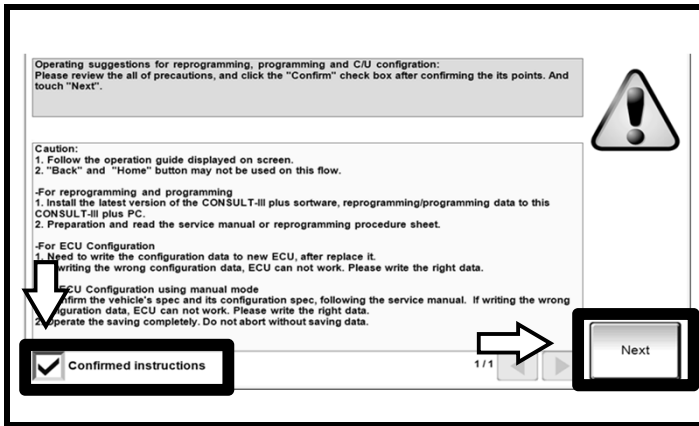


- 5.8) Configuring the vehicle.
- Click "Re/programming, Configuration" as shown.

## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION

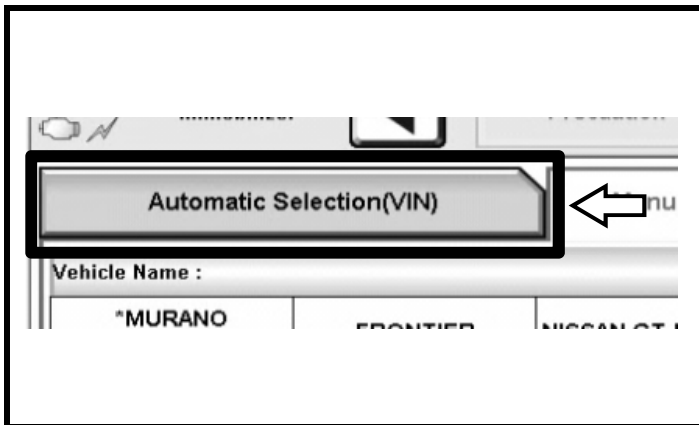
### 5.9) Configuring the vehicle.

- A precaution screen will appear.
- After you have finished reading all precautions, click "Confirmed instructions" as shown.
- Then click "Next" .



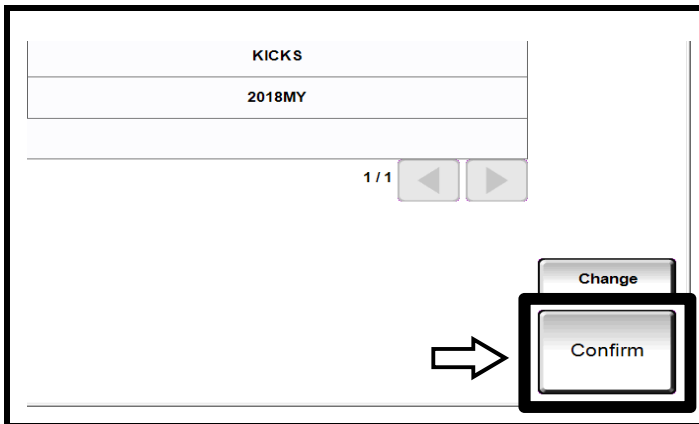
### 5.10) Configuring the vehicle.

- Click "Automatic Selection" for VIN #.



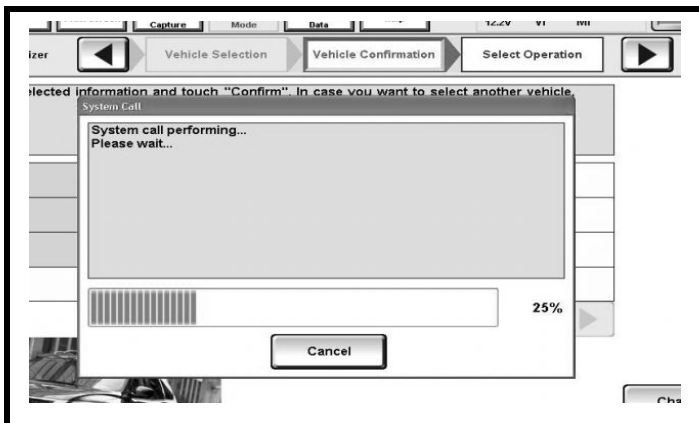
### 5.11) Configuring the vehicle.

- Review information on confirmation screen, if correct press click "Confirm"

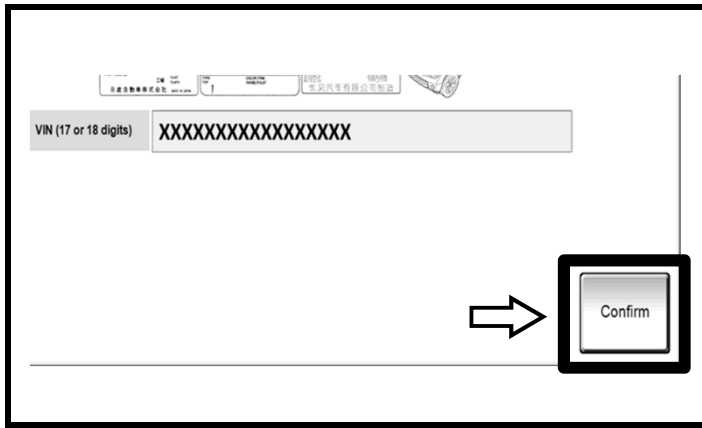


### 5.12) Configuring the vehicle.

- Once you click "Confirm", you will see system call menu as shown.

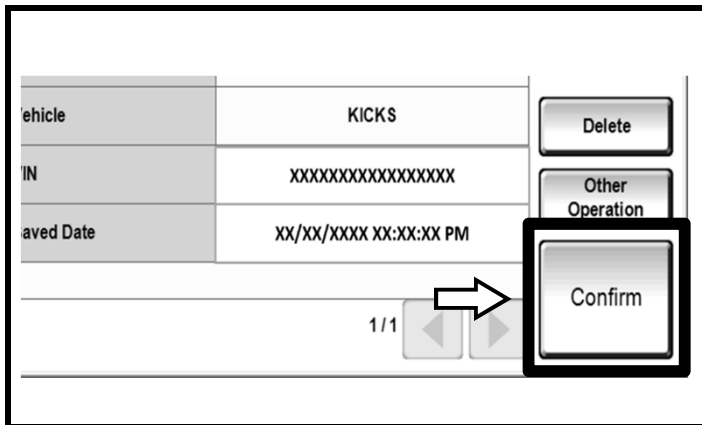


## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION



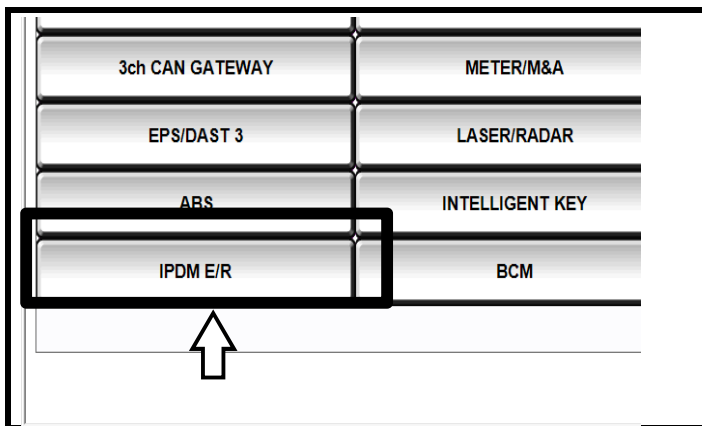
5.13) Configuring the vehicle.

- a ) If Input VIN screen appears, enter VIN in area shown.
- b ) Click "Confirm " as shown.



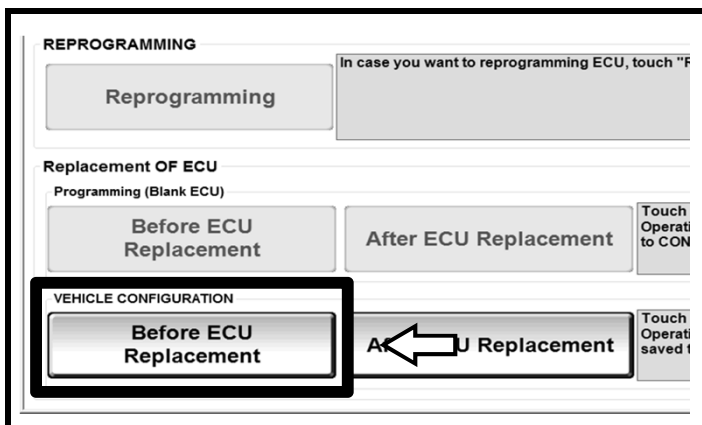
5.14) Configuring the vehicle.

- a ) In Confirmation screen, Click "Confirm" to continue.



5.15) Configuring the vehicle.

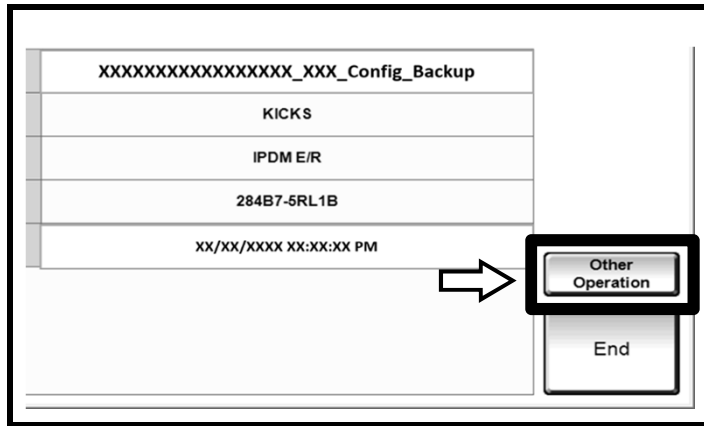
- a ) When System Selection screen loads, click "IPDM E/R" from lower LH corner of menu.



5.16) Configuring the vehicle.

- a ) In Operation Selection screen, click "Before ECU Replacement" as shown.

## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION



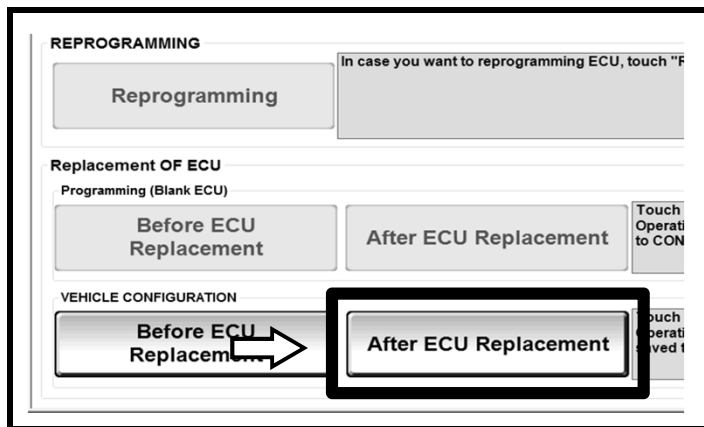
5.17) Configuring the vehicle.

- In Save ECU Data screen, configuration backup file info will be displayed.
- Click "Other Operation" to continue as shown.



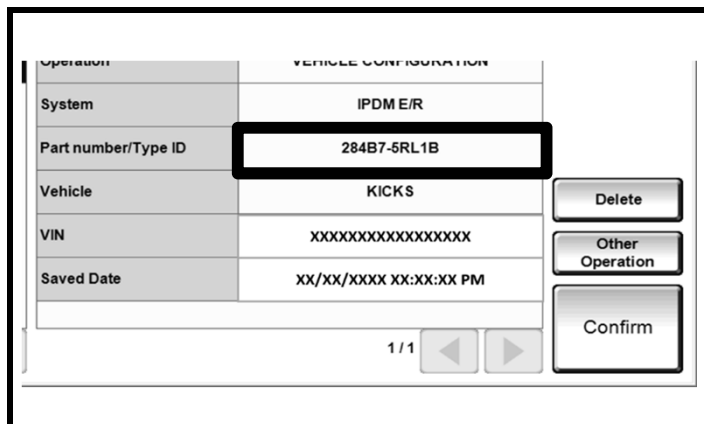
### CAUTION

- DO NOT CLICK "END", this will return you to Home screen and installer will have to begin to process from the start .**



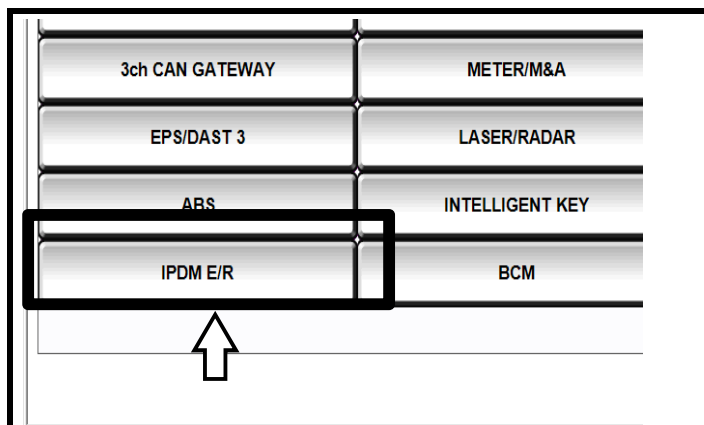
5.18) Configuring the vehicle.

- In Operation Selection screen, click "After ECU Replacement" as shown.



5.19) Configuring the vehicle.

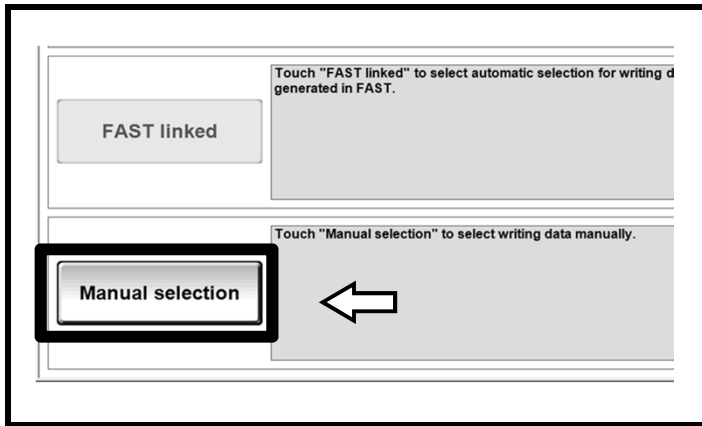
- In Operation Log Selection screen, record old part number for reference.
- Click "Other Operation" to continue as shown.



5.20) Configuring the vehicle.

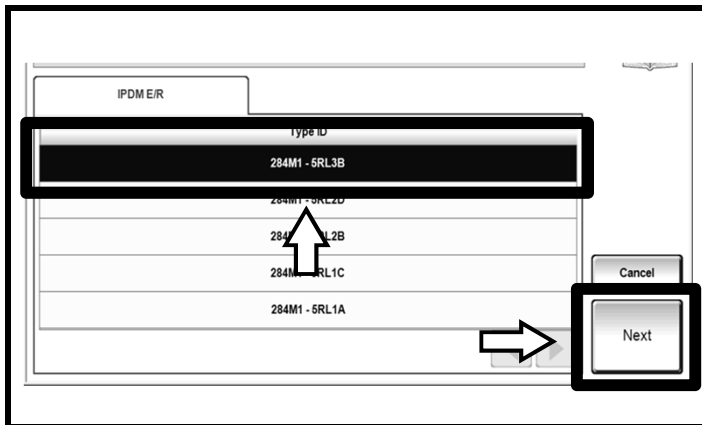
- When System Selection screen loads, click "IPDM E/R" from lower LH corner of menu as shown.
- Click "Next" to continue.

## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION



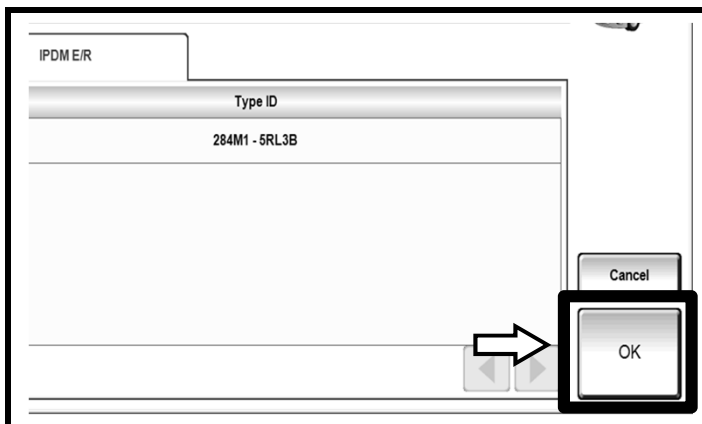
5.21) Configuring the vehicle.

- a ) When Writing method selection screen loads, click "Manual Selection" as shown.



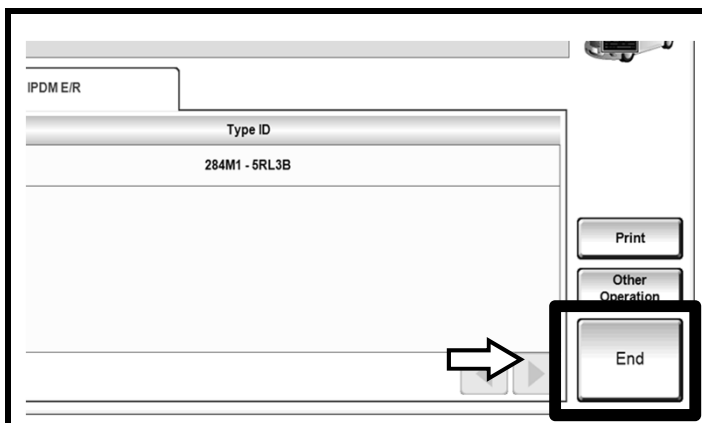
5.22) Configuring the vehicle.

- a ) When Manual Configuration screen loads, click Type ID# "284M1 - 5RL3B" to be loaded.
- b ) Click "Next" to continue as shown.



5.23) Configuring the vehicle.

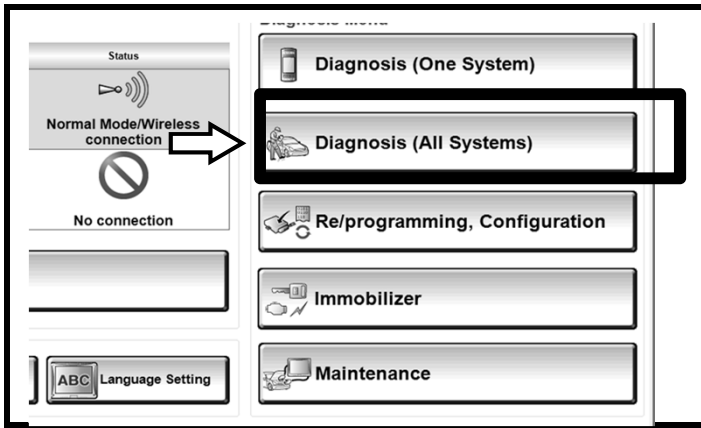
- a ) In Write Configuration screen, confirm new setting value for item is correct.
- b ) Click "OK" to continue.



5.24) Configuring the vehicle.

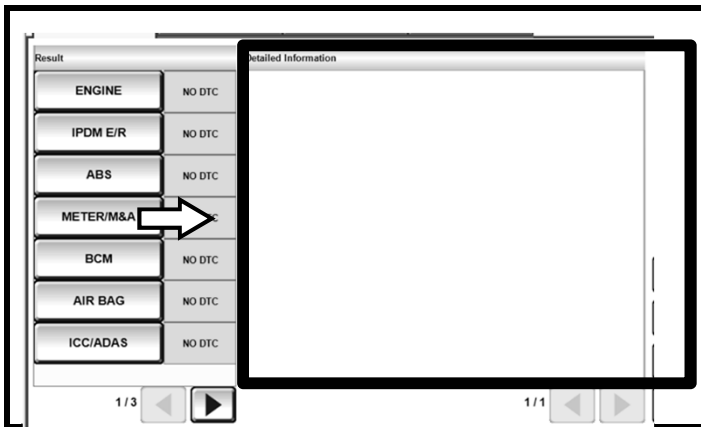
- a ) Print Result/ Operation Complete screen should indicate "Write Configuration has been successfully completed "
- b ) Click "End" to complete.

## SECTION 5 - INSTALLATION PROCEDURE, BCM/IPDM/USM CONFIGURATION



5.25) Configuring the vehicle.

- a ) In Home screen, click "Diagnosis (All Systems)" to check for DTC's.



5.26) Configuring the vehicle.

- a ) Confirm there are no DTC's from Fog Lamps.
- b ) Disconnect CONSULTIII+ Tool from vehicle.



## CAUTION

- Take care not to scratch or damage any component during the re-installation process.
- Trim pieces found to have witness marks or broken clips should be replaced.

6.1) Accessory function check.

a ) Perform checklist as follows.

- ☐ Verify re-installed trim parts for proper flush fit (no gaps, no waviness, etc.).
- ☐ Verify all clips are fully engaged and locked.
- ☐ Verify re-installed trim parts for proper fit (no gap, waviness, etc.).
- ☐ Remove all tools, templates, and other debris from interior of vehicle.
- ☐ Verify vehicle headliner, seat, steering wheel, center console, carpet, etc. are not soiled.
- ☐ Verify interior and exterior are not damaged.



## CAUTION

- Refer to the vehicle service manual for more information on the procedures outlined below
- Make sure all connectors are engaged and locked before proceeding with accessory check.
- Make sure no system malfunction is detected by air bag warning lamp.
- If malfunction is detected, reset by self-diagnosis function and delete code using CONSULT III+.
- Follow Front fog lamp aiming adjustment procedure as directed in Service Manual, Sect L - Exterior Lighting System EXL-122 Inspection and Adjustment.

### 6.2) Accessory function check.

a ) Perform checklist as follows.

- ☐ Turn ignition switch to "ON" and confirm proper operation of the following vehicle systems and verify:
  - ☐ Confirm proper audio function (AM, FM, SAT, CD and AUX) and re-program radio presets.
  - ☐ That there are no new Diagnostic Trouble Codes.
  - ☐ Verify all windows and sunroof (if equipped), one touch operation and perform the reset procedure if necessary. Refer to the 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.
- ☐ Turn headlamp and fog lamp switches to the ON position.
- ☐ Verify headlamps, fog lamps and tail lamps are illuminated.
- ☐ Verify headlamps and fog lamp indicators are illuminated on the meter assembly.
- ☐ Verify turn signal, hazard and high beam functionality.
- ☐ Verify turn signal, hazard and high beam indicators are illuminated on the meter assembly.
- ☐ Verify turn wiper and washer functionality.
- ☐ Turn headlamp switch to the OFF position, leaving the fog lamp switch in the ON position.
- ☐ Verify both headlamp and fog lamps turn off.
- ☐ Re-program radio presets and other vehicle settings to the recorded settings.
- ☐ 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.

## APPENDIX A - MECHANIZATION:

### Fog Lamp Function : System Description

