



## **SAFETY RECALL**

**M0320 CONVENTIONAL FUSE BOX  
INSPECTION/REPAIR**

**RECALL NO: M0320**

**DATE: 2-19-2018**

**REFERENCE: HMM-180214-N1**

**SUBJECT VEHICLES:** 18MY-19MY Conventional Trucks equipped with a J08 engine

## **OVERVIEW:**

Subject vehicles contain a potential under-torque of the terminal bolts that secure the main fuse terminals within the fuse block. The following work procedure will provide inspection and repair direction to resolve this concern.

## **NEW VEHICLES IN DEALERSHIP INVENTORY**

As required by Federal law (49 Code of Federal Regulations §577.13), dealerships are not to deliver any new vehicles in their inventory that are involved in a Safety Recall unless the vehicle has been remedied. Refer to the appropriate Vehicle Identification Number (VIN) list to determine vehicle eligibility.

## **BEFORE YOU BEGIN:**

- Read and understand all instructions and procedures before you begin the work.
- Read and follow all **WARNINGS** and **NOTICES** set forth in this publication. These alerts help to avoid damage to components, serious personal injury, or both.
- Park the vehicle on a flat, level and solid surface and apply the parking brake.
- Confirm the engine is stopped, the starter switch is in the off (LOCK) position, and the key is removed.
- Always wear safety glasses to prevent eye injuries.
- Place wheel chocks in front of and behind all the wheels.

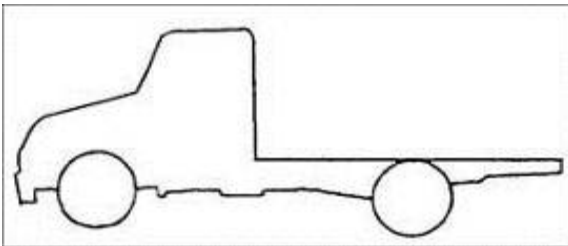


## PARTS:

PART NUMBER	PART DESCRIPTION	QUANTITY
82111E3C80	Fuse Block Harness; Hydro Brake, Manual Trans	As Required
82111E3C90	Fuse Block Harness; Hydro Brake, 2000 Series AT	As Required
82111E3D00	Fuse Block Harness; Full Air Brake, Manual Trans	As Required
82111E3D10	Fuse Block Harness; Full Air Brake, 2000 Series AT	As Required
82111E3D20	Fuse Block Harness; Full Air Brake, 3000 Series AT	As Required

## VEHICLE PREPARATION:

1. Park the vehicle on a level and solid surface.



2. Confirm the engine is stopped, the ignition switch is in the off (LOCK) position, and the key is removed.



3. Apply the parking brake.

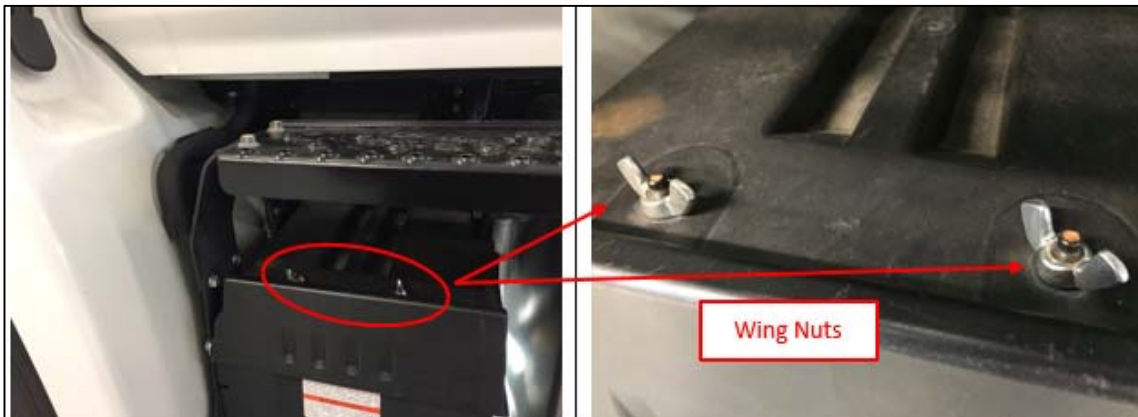


4. Chock all the wheels.



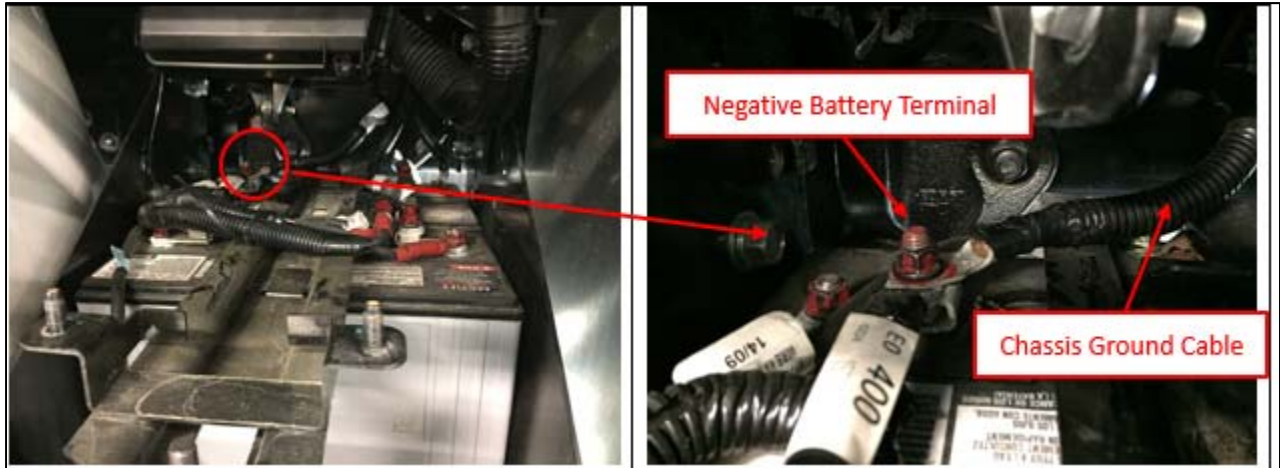
### Repair Procedure:

1. Remove the 2 wing nuts securing the battery cover and retain for later reinstallation. Remove the battery cover and retain for later reinstallation.

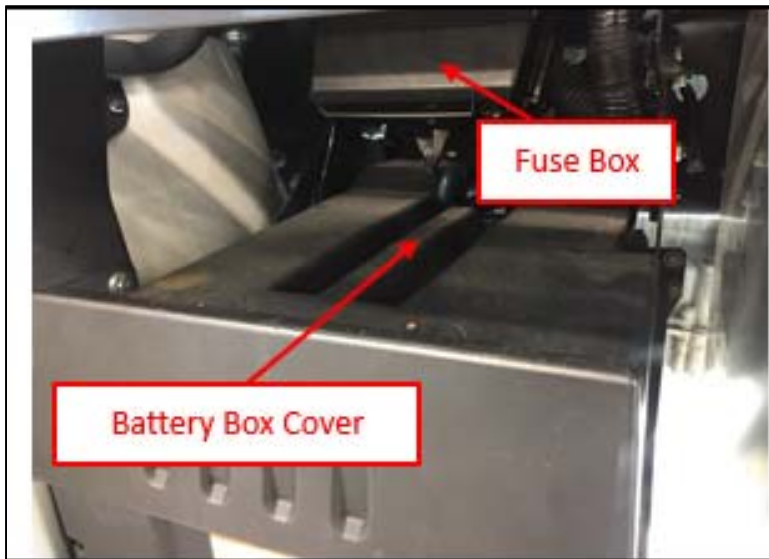


2. Disconnect the negative battery cable (chassis ground) at the negative battery terminal of the battery. Use electrical tape to cover the exposed metal end for the negative battery cable and position away from the battery. This will prevent accidental reconnection to the battery.

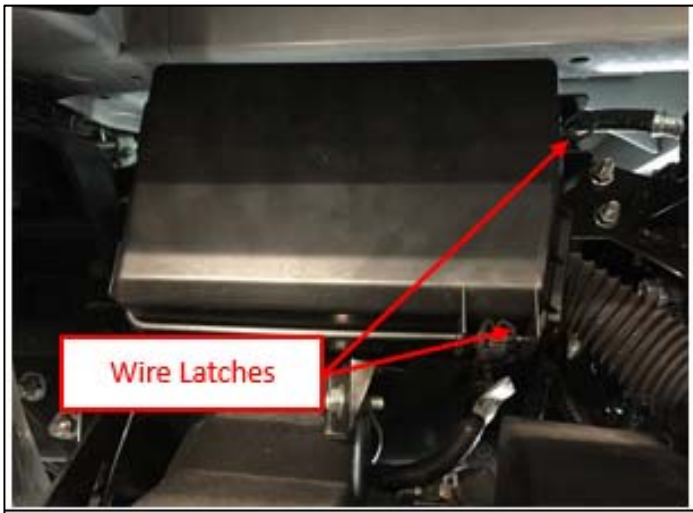
**NOTICE:** The photographs below may be slightly different based on any aftermarket add-ons installed on the truck or the number of batteries installed in the battery box.



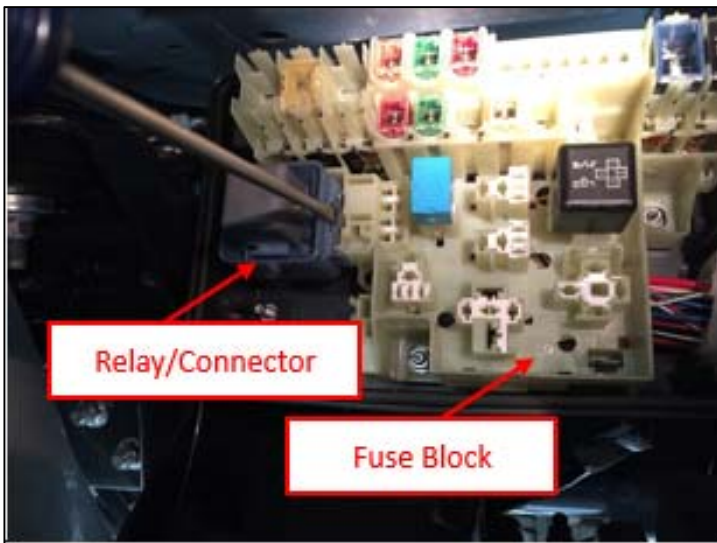
3. Reinstall the plastic battery box cover to the top of the battery box. This should be done to make certain that while working on the fuse box, there are no accidental 12volt short circuits to ground from the exposed battery top. At this time, the wing nuts do not need to be reinstalled.



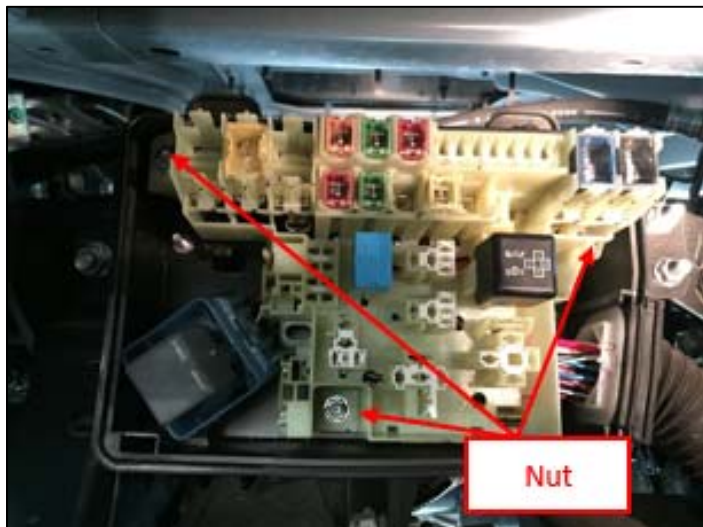
4. Release the (2) fuse box cover wire latches and remove the cover. Retain the cover for later reinstallation.



5. Using a small regular screw driver or pick, gently release the relay/connector assembly locking tab and then pull the relay/connector assembly outward from the fuse block.

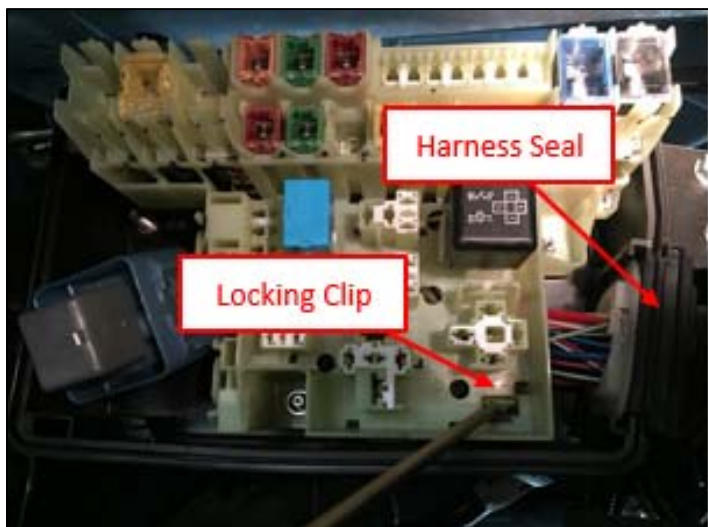


6. Remove the (3) 10mm nuts securing the fuse block to the fuse box. Retain these nuts for later reinstallation.



7. Release the fuse block locking clip that secures the fuse block to the fuse box.

**NOTICE:** Care should be taken to ensure the harness seal for the fuse block is not damaged during fuse block repositioning.



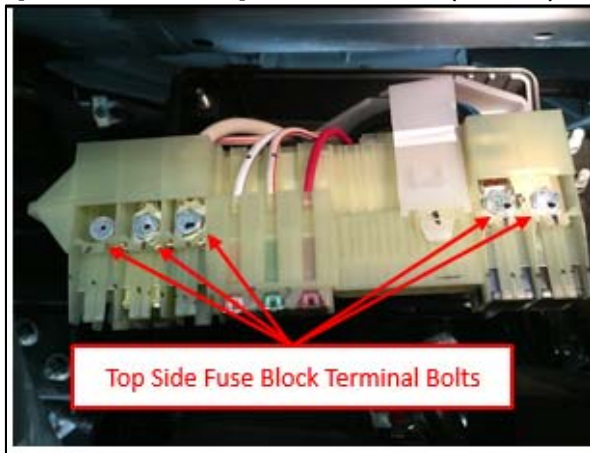
8. On the top side of the fuse block you will find (5) 10mm terminal bolts. The fastening torque for these terminal bolts needs to be confirmed. Using a torque wrench tighten each terminal bolt to the specified torque.

Were any terminal bolts found initially loose?

**No** – Proceed to **step 10** of the repair procedure.

**Yes** – Proceed to **step 9** of the repair procedure.

**Specified Torque: 55 in-lb (5 Nm)**



9. If any of the 10mm terminal bolts were found loose, the corresponding electrical connection needs to be visually inspected for damage. Was damage found to the electrical connection, harness or fuse block? **If damage was found, contact TechAssist with documentation of the damage before replacing the harness.**

**No** – Proceed to **step 10** of the repair procedure.

**Yes** – Proceed to **step 16** of the repair procedure. Replacement of the fuse block wiring harness is required.





**10.** On the bottom side of the fuse block you will find (5) 8mm terminal bolts. The fastening torque for these terminal bolts needs to be confirmed. Using a torque wrench tighten each terminal bolt to the specified torque.

Were any terminal bolts found initially loose?

**No** – Proceed to **step 12** of the repair procedure.

**Yes** – Proceed to **step 11** of the repair procedure.

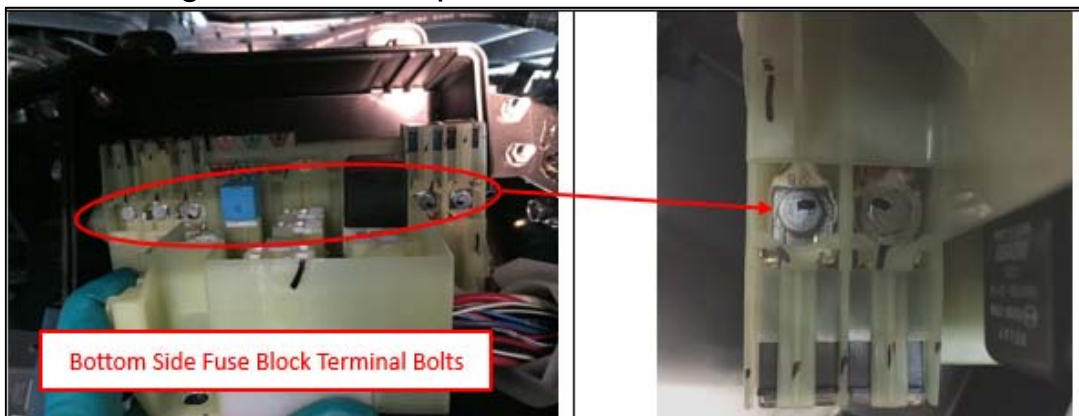
**Specified Torque:** 27 in-lb (3 Nm)



**11.** If any of the 8mm terminal bolts were found loose, the corresponding electrical connection needs to be visually inspected for damage. Was damage found to the electrical connection, harness or fuse block? **If damage was found, contact TechAssist with documentation of the damage before replacing the harness.**

**No** – Proceed to **step 12** of the repair procedure.

**Yes** – Proceed to **step 16** of the repair procedure. Replacement of the fuse block wiring harness is required.



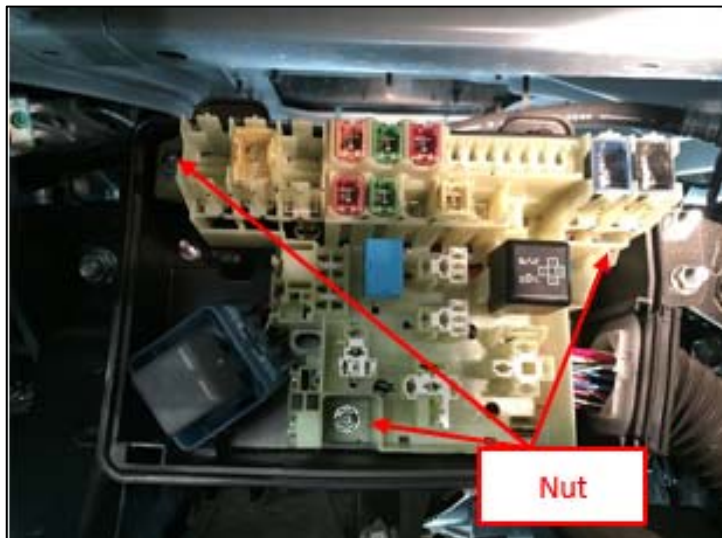
**12.** Install the fuse block in to the fuse box and make certain the locking clip is engaged.

**NOTICE:** Care should be taken to ensure the harness seal is correctly repositioned in the fuse box and no visual damage is present to the seal. Failure to do this can cause water intrusion into the fuse box with subsequent damage.

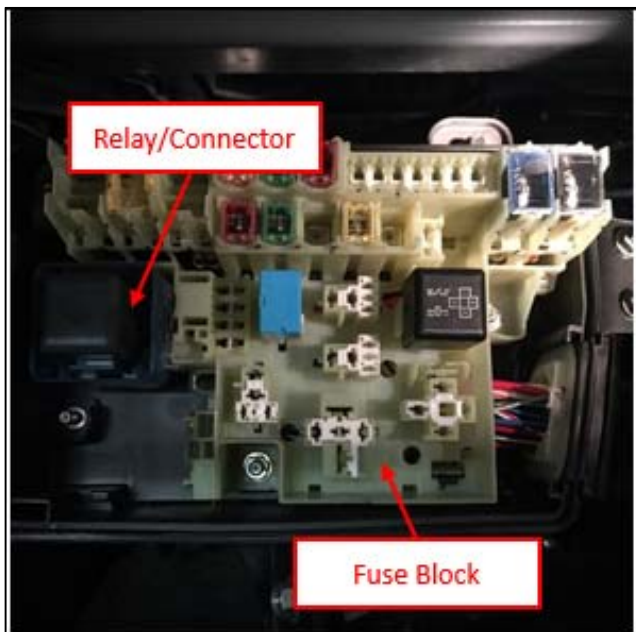


**13.** Install the (3) 10mm nuts securing the fuse block to the fuse box. Torque these nuts to the specified torque.

**Specified Torque:** 55 in-lb (5 Nm)



**14.** Clip the relay/connector assembly back onto the side of the fuse block and ensure it is securely latched to the locking clip.

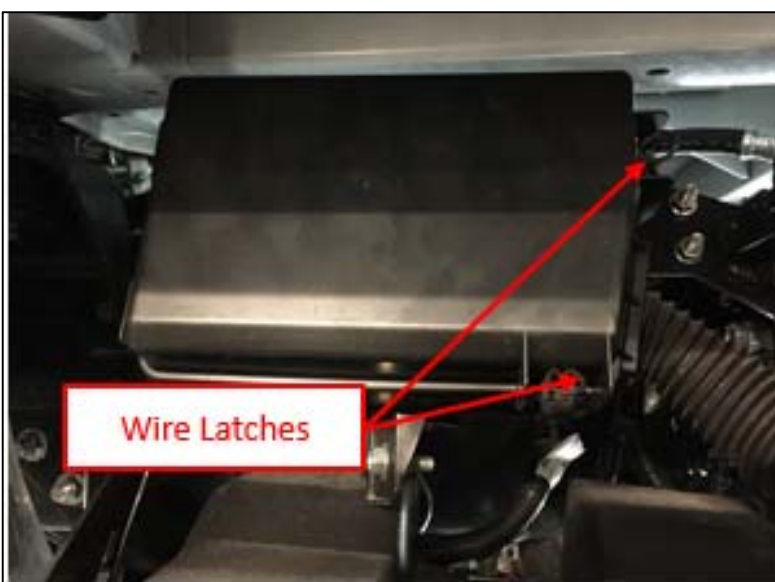


**15.** Install the fuse box cover and engage the (2) wire latches.

**Proceed to step 17 of the repair procedure.**

If not directed to step 16 previously, step 16 should be skipped.

**NOTICE:** Care should be taken to ensure the fuse box cover is correctly repositioned and secured. Failure to do this can cause water intrusion into the fuse block with subsequent damage.



**16.** Reference the part section and select the correct fuse block harness based on your vehicle application. Replace the fuse block harness.

Proceed to **step 17.**



**17.** Remove the battery box cover.



18. Remove the electrical tape from the negative battery cable (chassis ground). Reconnect to the battery ground cable to the negative battery terminal. Install the negative battery terminal nut and tighten to the specified torque.

**Specified Torque:** 98 in-lb (11 Nm)

**NOTICE:** The photographs below may be slightly different based on any aftermarket add-ons installed on the truck or the number of batteries installed in the battery box.

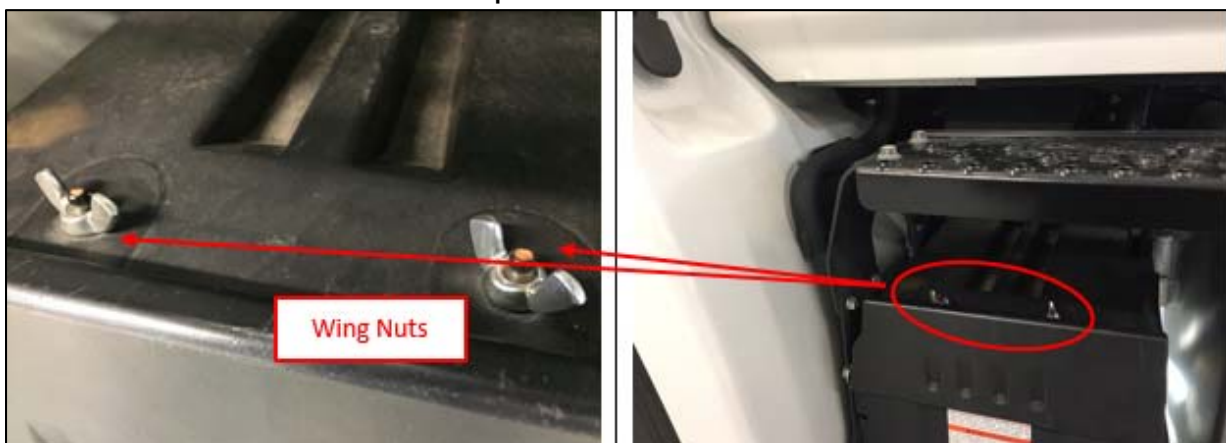


19. Install the battery box cover and then (2) wing nuts. Tighten both wing nuts.

Was the fuse block harness replaced while performing this recall bulletin?

**No** – Proceed to **step 20** of the repair procedure.

**Yes** – Proceed to the final inspection.



**20.** Disengage the driver side and passenger side hood latches and raise the hood.



**21.** Locate the fuse block harness part number tag. The following information will need to be documented in the comment section of the warranty claim:

- The (15) digit serial number of the chassis harness.
- Please make a note of the (10) terminal bolts found in the fuse block, were any found to be missing or finger tight (Yes or No)?



**22.** Lower the hood and engage the driver side and passenger side hood latches.



**23.** Proceed to the final inspection.

## **FINAL INSPECTION**

1. To complete this recall procedure, review the recall and confirm the following:
  - Make certain the correct chassis harness was selected from the part section of this bulletin.
  - Make certain that all fasteners that were loosened have been tightened to their specified torque.
  - Make certain the negative battery cable terminal nut has been tightened to the specified torque.
  - Make certain the chassis harness, harness seal has been correctly installed to ensure no water leaks occur into the fuse box.
  - Make sure that the battery box cover is correctly installed and that both wing nuts are securely fastened.
  - Make certain the fuse box cover is correctly installed and both wire latches securely latched.
  - Make certain the hood latches have been securely engaged.



## ***CLAIM APPLICATION***

### **Torque Check & Inspection:**

Campaign No. M0320

Labor charge: 0.5 hour

Warranty code: 82211

Trouble code: 98

Operation code: 82250AOT

Original failed part: 9999999999

### **Fuse Box/Harness Replacement:**

Campaign No. M0320

Labor charge: Actual Time

Warranty code: 82211

Trouble code: 98

Operation code: 82250AOT

Original failed part: 9999999999

