



RECALL CAMPAIGN BULLETIN

Reference:

NTB13-033a

Date:

June 4, 2013

VOLUNTARY SAFETY RECALL CAMPAIGN 2013 ALTIMA OCS SENSORS

This bulletin has been amended. Information to help perform the Service Procedure was added on pages 8 and 14, and the Owner Letter was added. Please discard previous versions of this bulletin.

CAMPAIGN ID #: PC214
NHTSA #: 13V-069
APPLIED VEHICLES: 2013 Altima (L33)

Check Service COMM to confirm campaign eligibility.

INTRODUCTION

Nissan is conducting a Voluntary Safety Recall Campaign to replace the Occupant Classification System (OCS) sensors on certain specific 2013 Altima vehicles at no charge for parts or labor.

IDENTIFICATION NUMBER

Nissan has assigned identification number PC214 to this campaign. This number must appear on all communications and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer's responsibility to check Service Comm for the campaign status on each vehicle falling within the range of this voluntary safety recall campaign which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration.** While federal law applies only to new vehicles, Nissan strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Nissan Bulletins are intended for use by qualified technicians, not 'do-it-yourselfers'. Qualified technicians are properly trained individuals who have the equipment, tools, safety instruction, and know-how to do a job properly and safely. NOTE: If you believe that a described condition may apply to a particular vehicle, DO NOT assume that it does. See your Nissan dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

CAUTION: Handle interior trim carefully to avoid damage. Work with clean hands and clean tools to avoid dirt and stains. Use protective covers as needed.

WARNING: This procedure involves working with the passenger seat frame. The metal seat frame has sharp edges.

NOTE: Make sure to follow this procedure exactly as specified (including torque specifications) to ensure proper operation of the Occupant Classification System.

1. **WARNING:** Turn the Ignition OFF and prepare the vehicle for OCS sensor replacement as follows:

The following are **VERY IMPORTANT** to prevent unexpected air bag deployment.

- Remove the ignition key / Intelligent Key from the cabin of the vehicle and set aside, away from the vehicle. This will prevent accidentally turning the ignition ON.
- Make sure the ignition remains OFF until after the procedure is complete.
- Wait for all control units to “power down” (at least 3 minute) after the ignition is turned OFF.

2. Reach under the rear of the front passenger seat and disconnect the rear hinge cover.

- The rear hinge cover is attached under the seat with an elastic strap.



Figure 1

3. Remove the seat cushion inner finishers, left and right side, as follows:

NOTE: These finishers have two halves. Only the inner half (seat cushion side) will be removed.



Figure 2

- a. Remove 3 screws from the finishers (see Figure 3).
 - 2 from the left side
 - 1 from the right side.

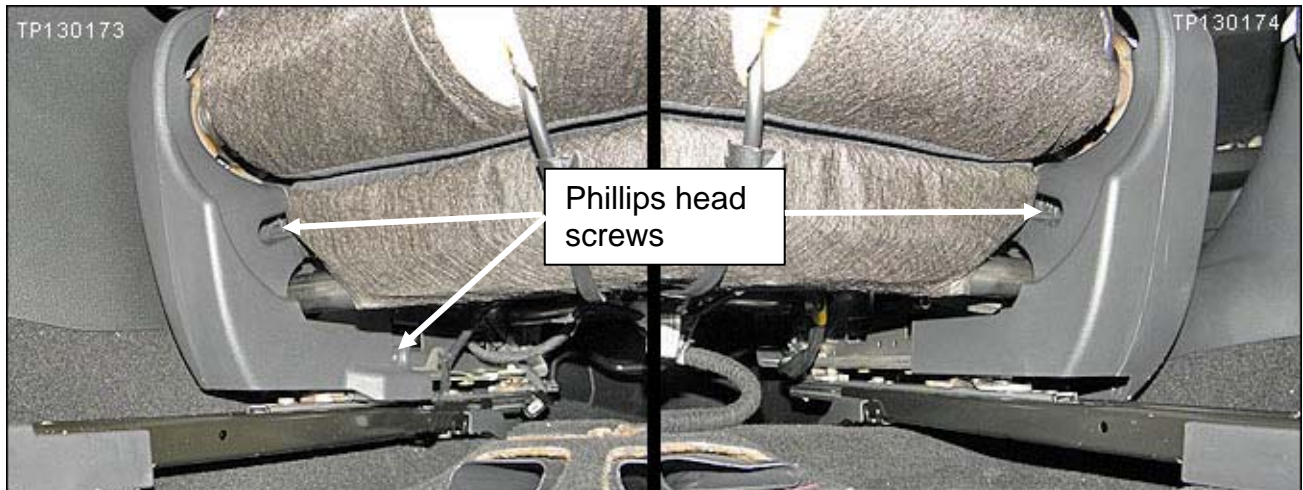


Figure 3

b. Use a plastic trim tool to separate the inboard half of each finisher.



Figure 4

c. Pull the inboard half of each finisher toward the rear of the vehicle to remove.



Figure 5

4. Lock the seat tracks in a position about midway between forward and rearward.

NOTE:

- In the next steps you will be removing the 14 mm nuts that hold the seat frame to the seat track.
- The seat track should not be moved while the 14 mm nuts are removed.
- The seat should be positioned so that work can be performed under the front of the seat and under the rear of the seat without moving the seat track.

WARNING: This procedure involves working with the passenger seat frame. The metal seat frame has sharp edges.

- From under the rear of the passenger seat, remove the 14 mm nuts from the rear of the seat frame (see Figure 6).

NOTE: These nuts will not be reused.

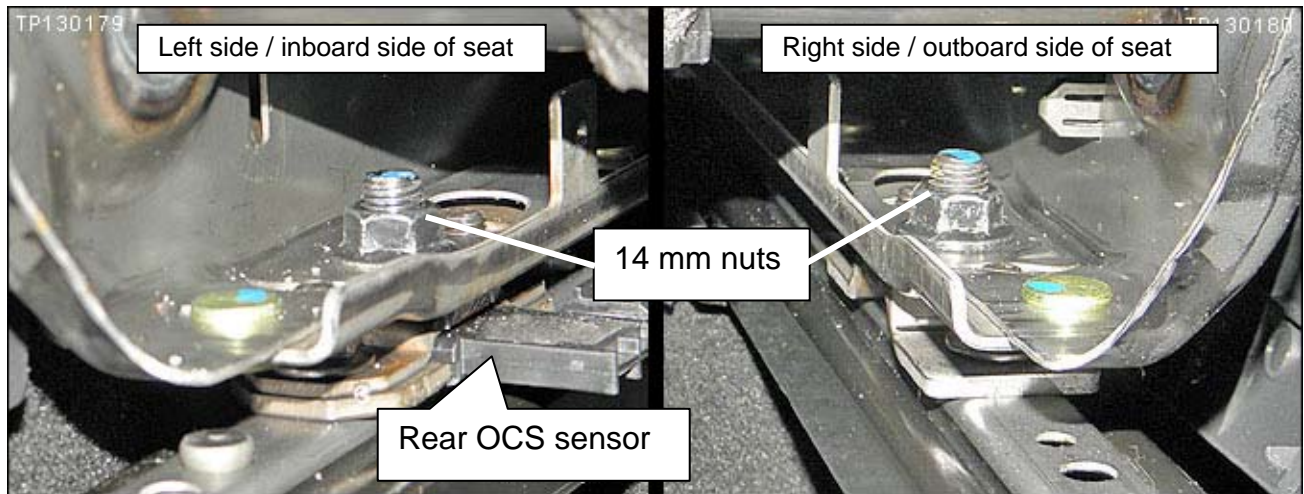


Figure 6

- From under the front of the passenger seat, remove the 14 mm nuts from the front of the seat frame (see Figure 7).

NOTE: These nuts will not be reused.

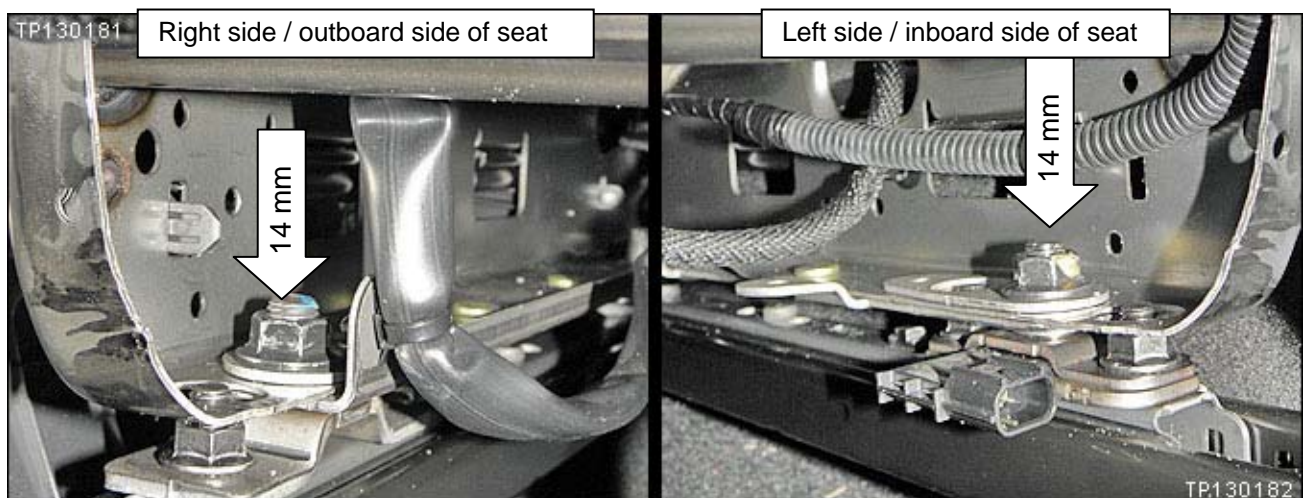


Figure 7

7. Replace the front OCS sensor as follows:

- a. Lift the front of the seat to rock it back.



Figure 8

- b. Remove the 12 mm nuts holding the sensor.

NOTE: Do not reuse the 12 mm nuts.

- c. Remove the old sensor and install the new sensor.

- d. **Use new 12 mm nuts.**

- Torque nuts to:
22 N•m (3.04 kg-m, **16 ft-lb**)

- e. Render the old sensor unusable by breaking its electrical connector.

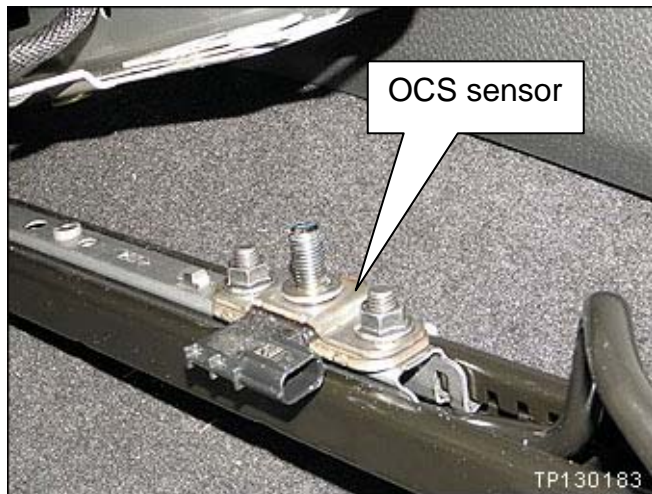


Figure 9

8. Replace the rear OCS sensor as follows.

- a. Lift the back of the seat to rock it forward.



Figure 10

- b. Remove the 12 mm nuts holding the sensor.

NOTE: Do not reuse the 12 mm nuts.

- c. Remove the old sensor and install the new sensor.

- d. **Use new 12 mm nuts.**

- Torque nuts to:
22 N•m (3.04 kg-m, **16 ft-lb**)

- e. Render the old sensor unusable by breaking its electrical connector.

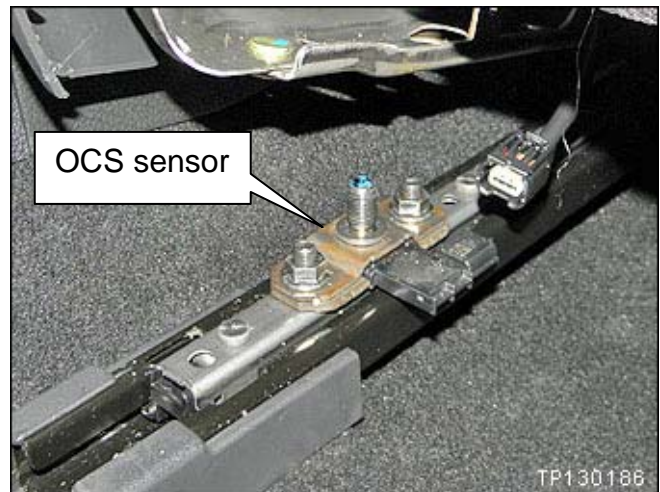


Figure 11

9. From under the rear of the seat, install both rear 14 mm nuts **finger tight only** (see Figure 12).

- **Use new nuts.**

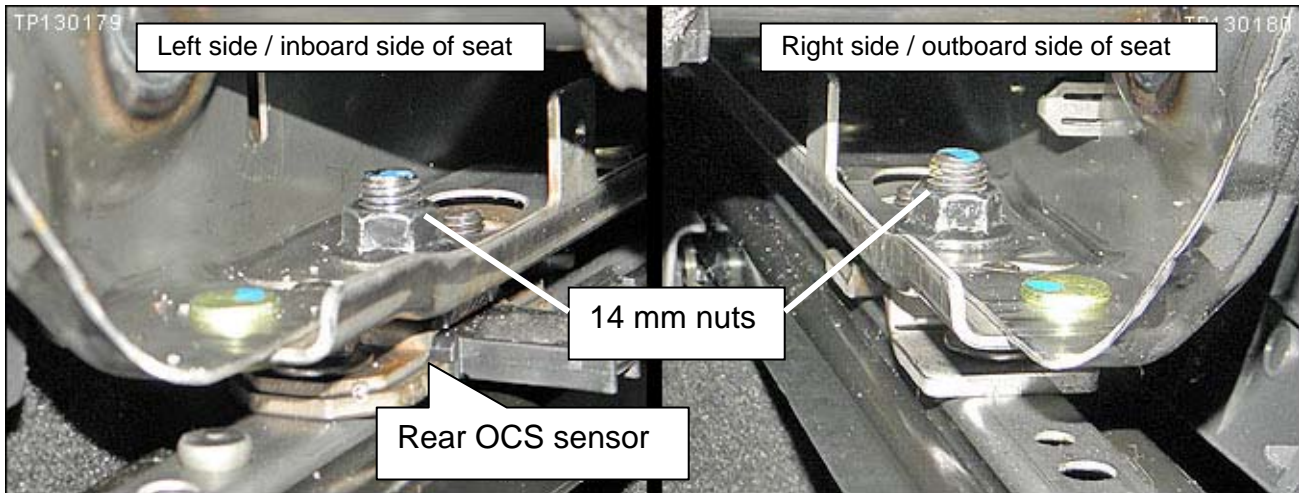


Figure 12

IMPORTANT:

- The torque specification in steps 10 and 11 is critical.
- Make sure your torque wrench is properly calibrated.
- Make sure to torque these nuts as indicated.

10. From under the front of the seat:

a. Install both front 14 mm nuts **finger tight only** (see Figure 13).

- **Use new nuts.**

b. Torque 14 mm nuts as follows (see Figure 13):

1st, torque the outboard 14 mm nut to 45 N•m (4.56 kg-m, **33 ft-lb**).

2nd, torque the inboard 14 mm nut to 45 N•m (4.56 kg-m, **33 ft-lb**).

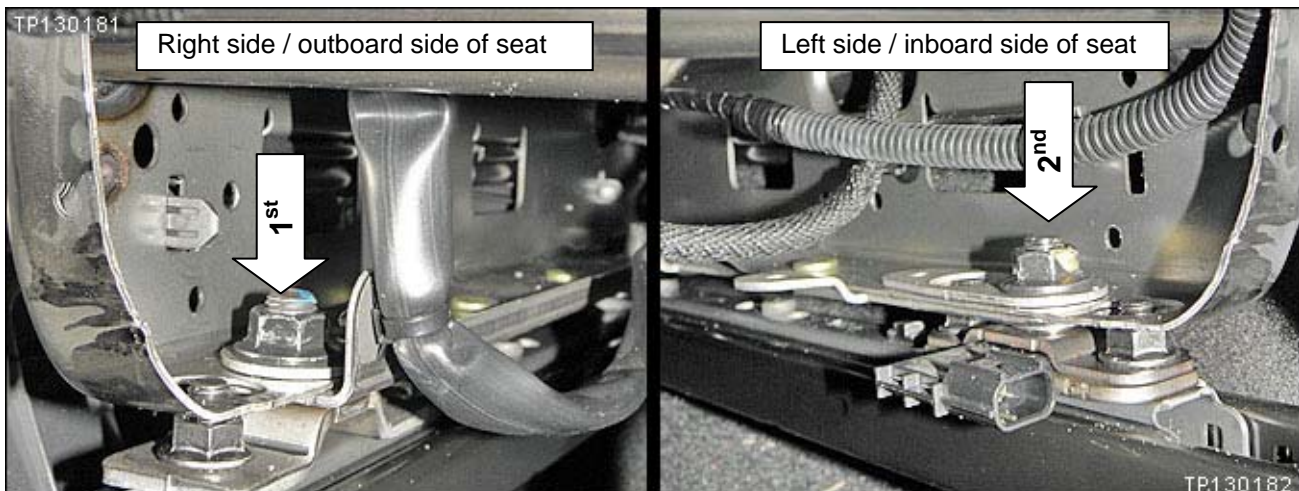


Figure 13

11. From under the rear of the seat, torque 14 mm nuts as follows (see Figure 14):

1st, torque the inboard 14 mm nut to 45 N•m (4.56 kg-m, **33 ft-lb**).

2nd, torque the outboard 14 mm nut to 45 N•m (4.56 kg-m, **33 ft-lb**).

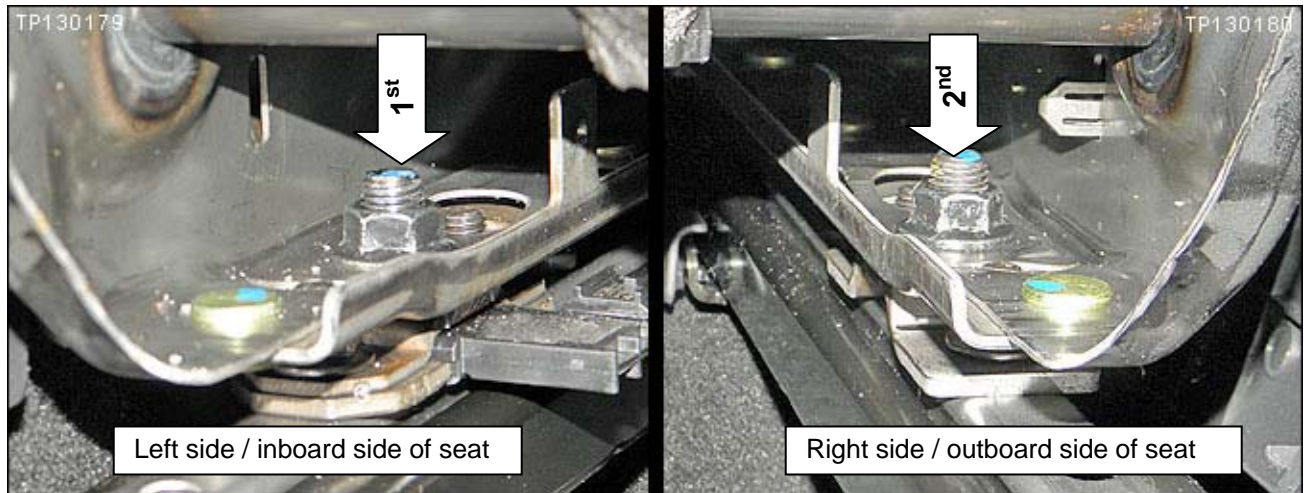


Figure 14

12. Connect the electrical connectors for both OCS sensors.

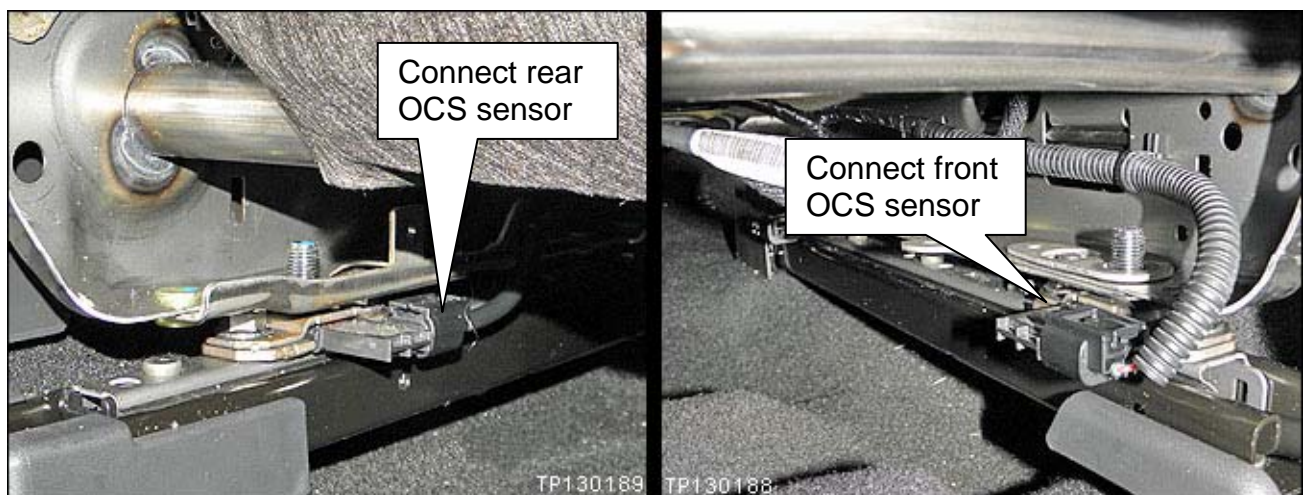


Figure 15

13. Reinstall the seat cushion inner finishers.

- Make sure they are snapped in place securely and correctly.
- Reinstall 2 screws on the left side
- Reinstall 1 screw on the right side.

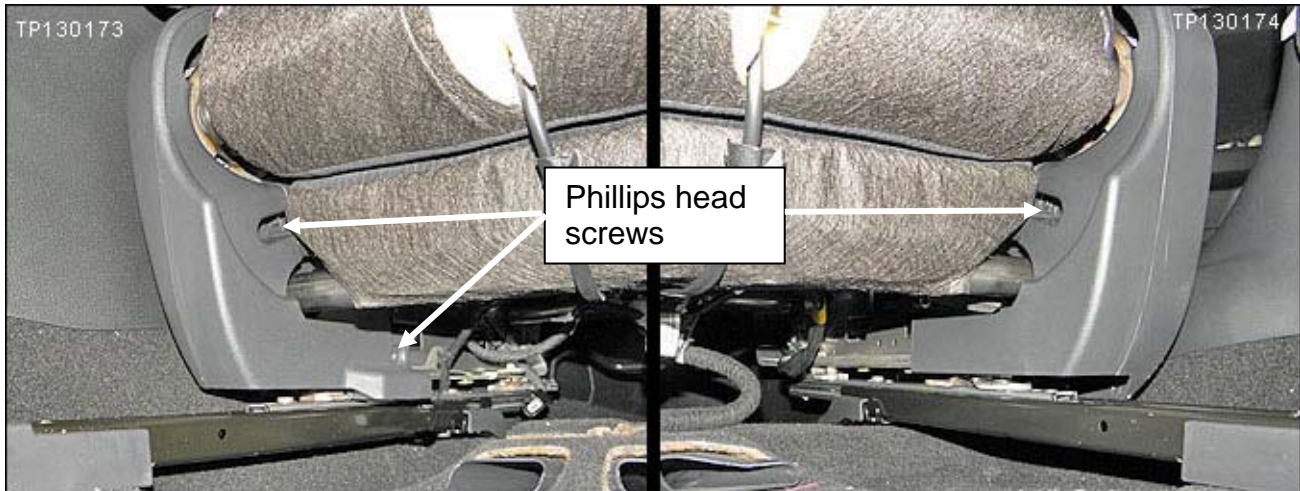


Figure 16

14. Reattach the rear hinge cover.



Figure 17

15. Operate the seat slide and make sure both tracks (left and right side) lock in place at each adjustment point.

16. Perform Zero Point Reset and check for DTCs; next page.

Zero Point Reset / Check for DTCs

1. Attach the CONSULT-III plus (C-III plus) VI to the vehicle.
2. Prepare the vehicle for Zero Point Reset.
 - Place the vehicle in a level area.
 - Minimize vibrations near the vehicle.
 - Remove any objects on the passenger seat.
 - **No occupants in the vehicle – including the servicing technician.**
 - Close all of the vehicle doors.
 - Do not touch the vehicle during zero point reset.
3. Place the CONSULT PC outside the vehicle and away from the vehicle.
4. Turn the ignition ON and start C-III plus.
5. Wait for the plus VI to be recognized.
 - The serial number will display when the VI is recognized.
6. Select **Diagnosis (One System)**.

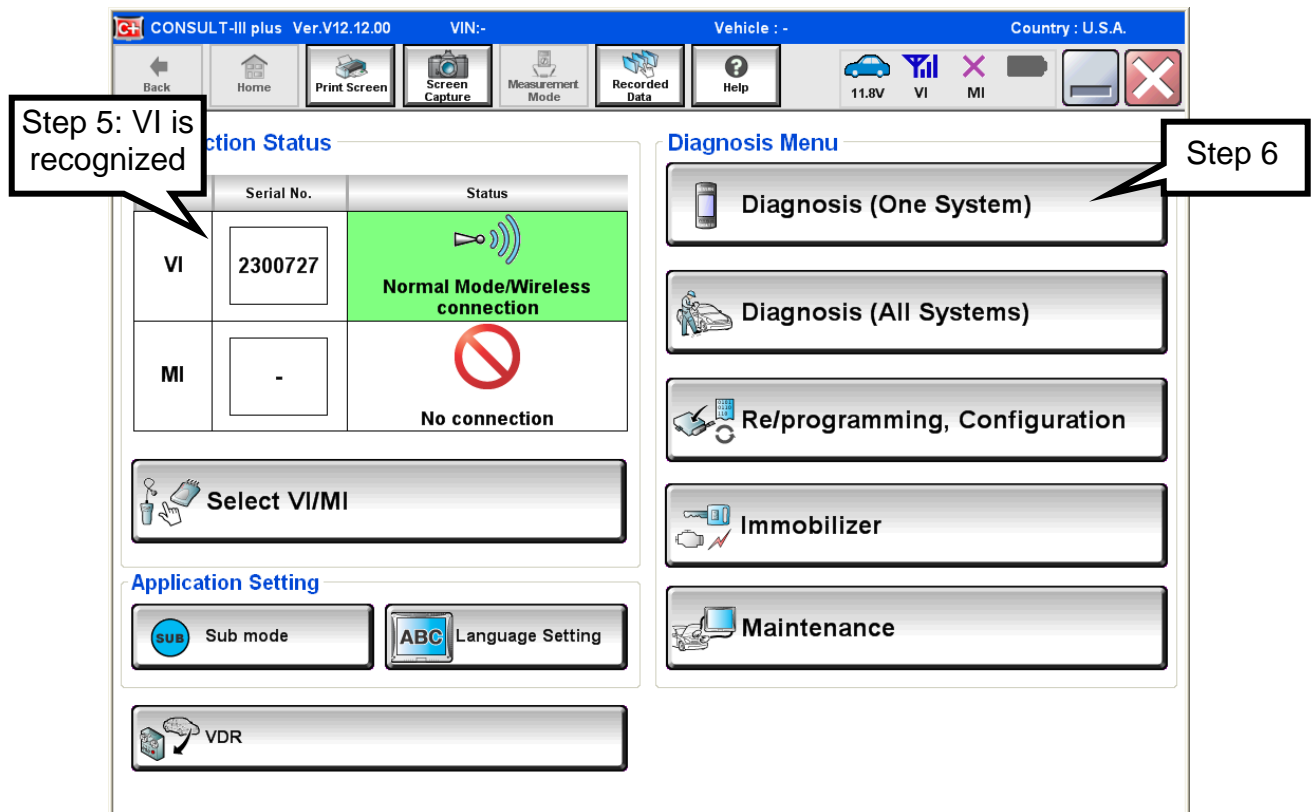


Figure Z1

7. Select **OCCUPANT DETECTION**.

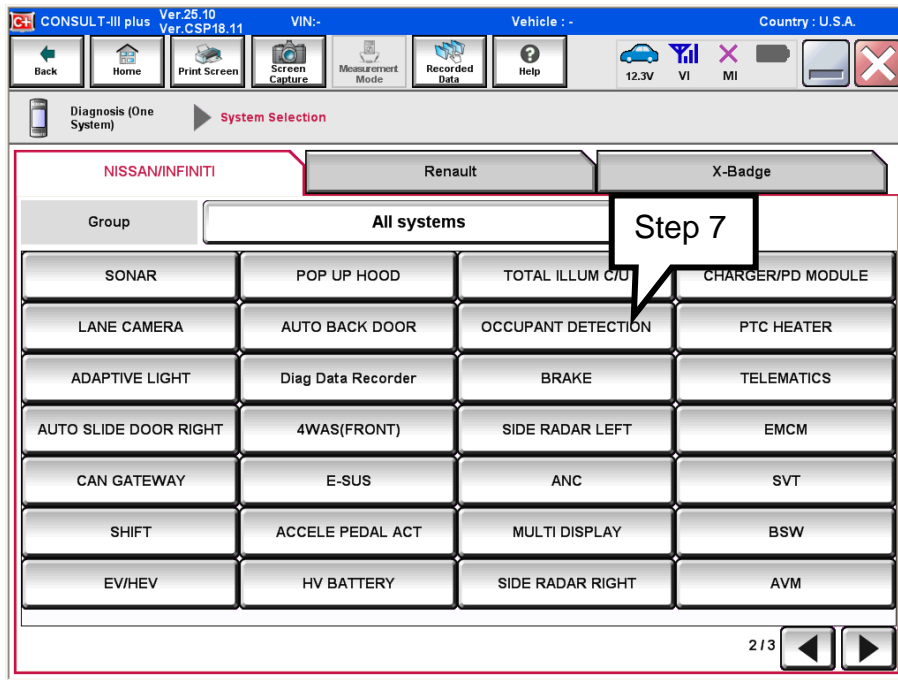


Figure Z2

8. Wait for System Call to complete.

9. Select **Zero point reset function**.

10. Select **Start**.

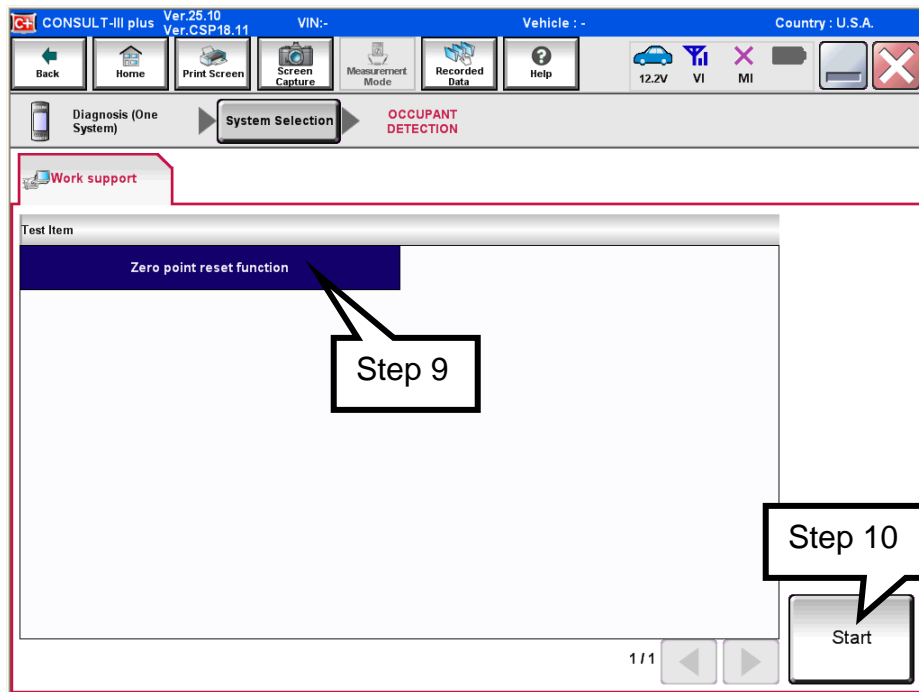


Figure Z3

11. Select **Next**.

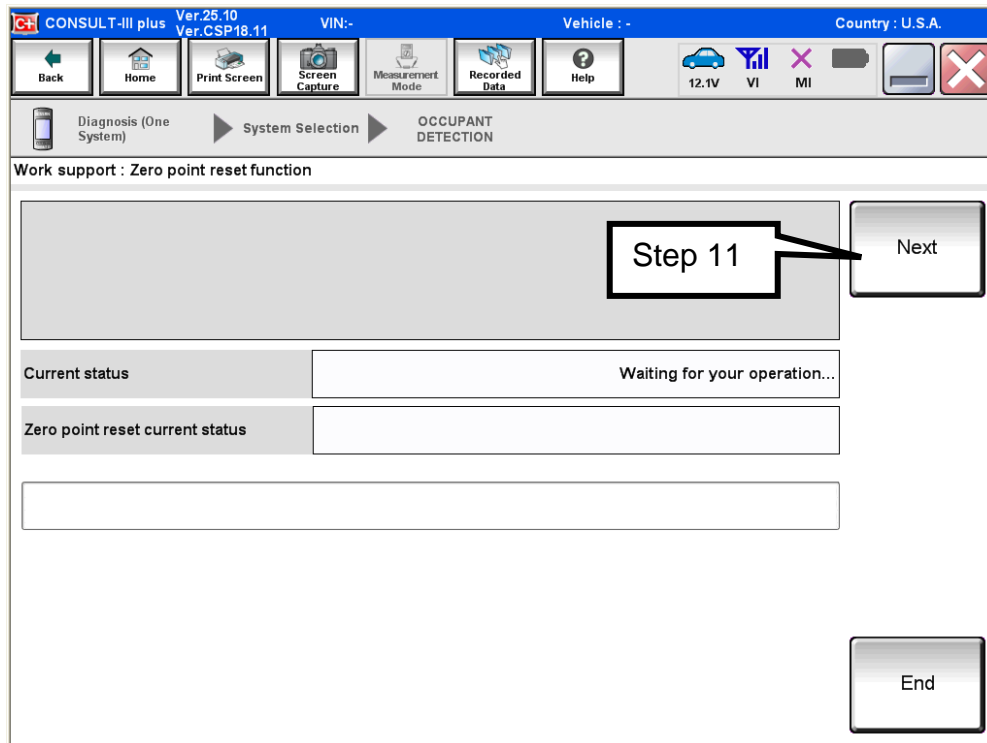


Figure Z4

12. Select **Start**.

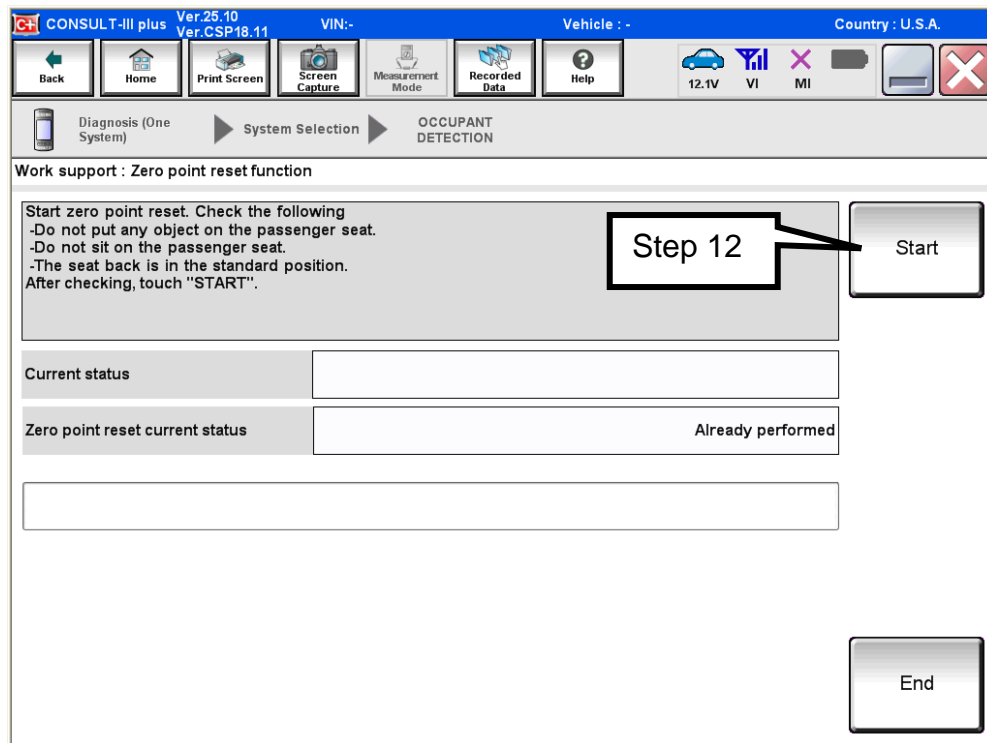


Figure Z5

NOTE: Zero Point Reset must be performed even if:

- “Current status” indicates “Completed”, or
- “Zero point reset current status” indicates “Already performed”

13. Wait for Zero Point Reset to complete.

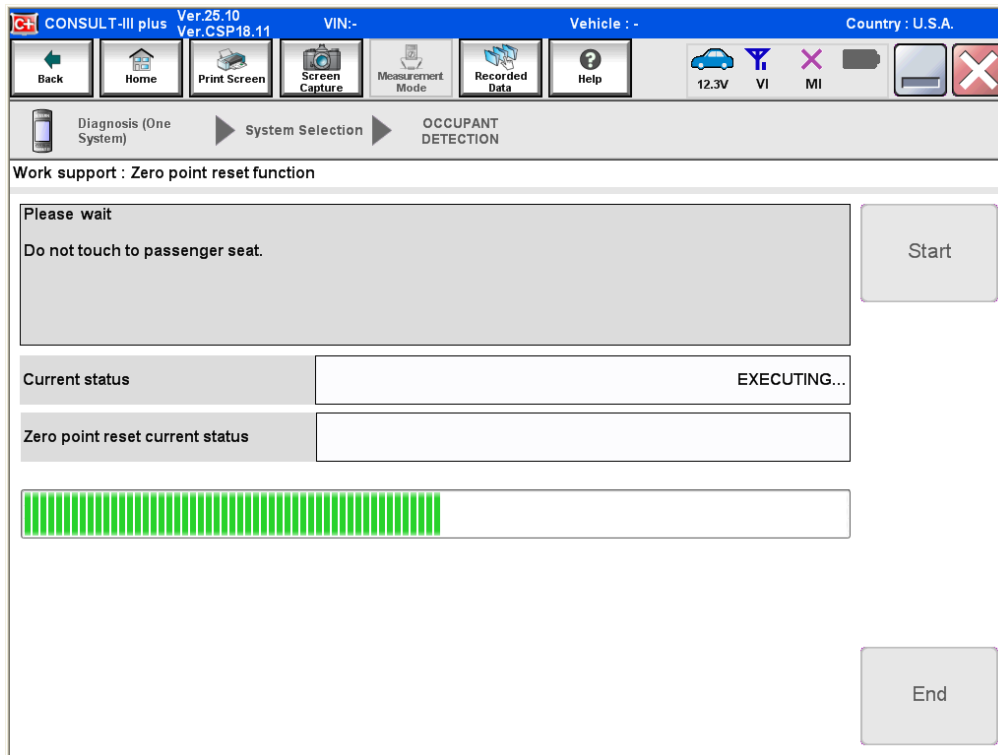


Figure Z6

If Zero Point Reset will not complete:

NOTE: If Zero Point Reset will not complete, it is likely that something in the Service Procedure was not followed exactly as instructed.

- a. Turn the ignition OFF.
- b. Make sure all electrical connectors under the seat are **securely connected**.
 - Body harness to seat harness.
 - OCS sensors
 - OCS Control Unit.
- c. Try Zero Point Rest again.
- b. If it still will not complete, an installation process or step was not followed exactly as specified.
 - Recheck / re-perform the OCS sensor installation process.
 - **Pay special attention to the 14 mm nut torque (steps 10 & 11 on pages 8 & 9).**

14. Make sure that “Current status” is **Completed**.

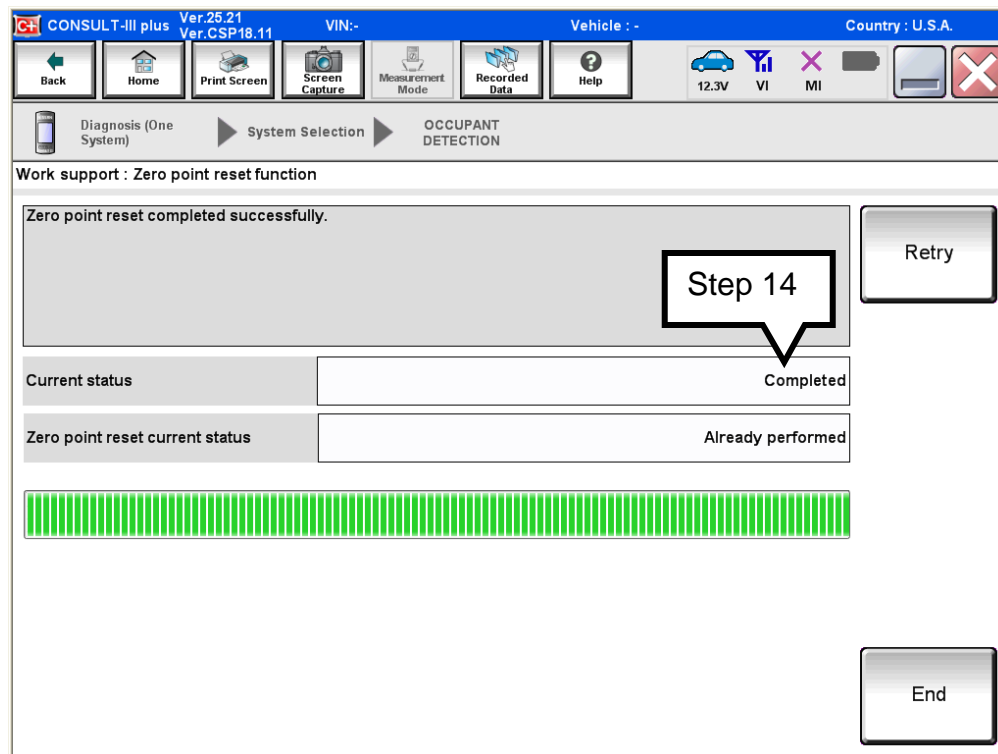


Figure Z7

15. Select **Home** on C-III plus.

16. Check for Air Bag DTCs.

Navigate C-III plus to:

Diagnosis (One System) ⇒ AIR BAG ⇒ Self Diagnostic Results

- No Air Bag DTCs stored – go to the next step.
- DTC B00A0 stored (current or past) – erase stored code, then go to the next step.
- Other DTCs stored: Refer to ASIST and the Service Manual for additional diagnostic and repair information. Issues other than replacement of the OCS sensors are not covered by this campaign.

17. Close C-III plus, turn the ignition OFF, and disconnect from the vehicle.

18. Turn the ignition ON and observe the air bag warning light:

- Light should illuminate for 7 seconds and then go out.

NOTE: If the Air Bag Warning light does not operate as described above there may be an issue not covered by this campaign. Refer to ASIST and the Service Manual for additional diagnostic and repair information.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
Sen-Occupant (OCS Sensor)	98853-3JA0A	2
M10 Nut (14 mm wrench size)	23391-3JA0A	4
M8 Nut (12 mm wrench size)	23188-3JA0A	4

CLAIMS INFORMATION

Submit a "CM" line claim using the following claims coding:

CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
PC214	Replace Two (2) OCS Sensors	PC2140	0.7 hrs.

OWNER'S LETTER

Dear Nissan owner:

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act. Nissan has decided that a defect which relates to motor vehicle safety exists in some vehicles. Our records indicate that you own the Nissan vehicle identified by the Vehicle Identification Number on the inside of this notice.

Reason for Recall

The Occupant Classification System (a part of the passenger air bag system) in the front passenger seat may have been manufactured out of specification. In some cases, this could deactivate the passenger air bag in your vehicle. If this occurs, the **red** air bag warning light will illuminate and stay illuminated after the vehicle is started (it is normal for the red air bag warning lamp to flash for about seven seconds when the vehicle is first started). This could result in the passenger air bag not inflating in a crash, potentially increasing the risk of injury.

What Nissan Will Do

Your Nissan dealer will inspect the OCS sensors and, if necessary, replace them with new ones. This service, free for parts and labor, can take up to two hours to complete, but your Nissan dealer may require your vehicle for a longer period of time based upon their work schedule, or parts availability.

What You Should Do

Contact your Nissan dealer at your earliest convenience in order to arrange an appointment to have your vehicle inspected and, if necessary, repaired. Please bring this notice with you to your service appointment. Instructions have been sent to your Nissan dealer.

If the red air bag warning light in your vehicle continuously illuminates after the vehicle is started, please take your vehicle to the dealership as soon as possible. In the interim do not allow passengers to ride in the passenger seat. If the dealer fails, or is unable to make the necessary repairs free of charge, you may contact the National Consumer Affairs Department, Nissan North America, Inc., P.O. Box 685003, Franklin, TN 37068-5003. The toll free number is 1-800-NISSAN1 (1-800-647-7261). You may also contact the Administrator, National Highway Traffic Safety Administration, 1200 New Jersey Avenue, SE., Washington, DC 20590; or call the toll-free Vehicle Safety Hotline at 1-888-327-4236 (TTY: 1-800-424-9153); or go to <http://www.safercar.gov>.

Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.

Thank you for your cooperation. We are indeed sorry for any inconvenience this may cause you.