

2015 Altima and 2014 Sentra OCS
Dealer Service Action

Reference: PC324, PM462

Date: December 15, 2014



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Attention: Dealer Principal, Sales, Service & Parts Managers

***** Dealer Announcement *****

Nissan is conducting a Dealer Inventory Service Action to replace the Occupant Classification System (OCS) Control Unit on **41** certain specific 2015 Nissan Altima and 2014 Sentra vehicles currently in dealer inventory.

Due to a manufacturing issue at the OCS supplier that has since been corrected, a very small population of some of the control modules may have been manufactured out of specification. The OCS control module will need to be replaced in these vehicles to ensure correct OCS operation.

***** What Dealer Should Do *****

To ensure customer satisfaction, dealers are asked to perform the following repair procedure prior to sale. Once repaired, vehicles can be sold without further action.

1. Verify the subject vehicle is affected by this service Action using SERVICE COMM I.D.
 - **PC324 – 2015 Altima**
 - **PM462 – 2014 Sentra**
2. Locate the vehicle in inventory and perform the attached procedure.
3. File the warranty claim and release the vehicle for sale.

NOTE: Parts have already been sent to your dealership for this action. If replacement parts are needed, order one of the following:

- **98856-9HN0A (Altima)**
- **98856-9AM0A (Sentra)**

***** Vehicle Identification – Dealer Inventory *****

22 2015 Nissan Altima and 19 2014 Sentra vehicles subject to this Dealer Service Action can be identified through two methods:

- **SERVICE COMM** – Beginning December 16th, dealer service departments can complete an inquiry on SERVICE COMM to determine if a vehicle is subject to this Dealer Inspection.
 - **PC324 – 2015 Altima**
 - **PM462 – 2014 Sentra**
- **VIN List** – As a courtesy, posted with this announcement is a list of affected dealer inventory VINs by region, district, and Dealer Code.

******* Dealer Responsibility *******

It is the dealer's responsibility to check SERVICE COMM for the status on each vehicle which is currently in inventory. Nissan requests dealers to perform this repair on any vehicles in their inventory before they are retailed to ensure customer satisfaction.

******* Repair Procedure *******

This inspection procedure will be available on ASIST and NNAnet.com.

- ASIST – Go to “Tech Support Info” on the left column of the ASIST opening page. Under “Tech Support Info”, select “Inventory Vehicle Actions”. A new window will open where you may access the technical procedures.
- NNAnet.com – Beginning Tuesday, December 15th, this procedure can be found on NNAnet.com under My Documents in the following categories:
 - Sales>Campaigns>
 - Parts>Campaigns>
 - Service>Campaigns>

NISSAN NORTH AMERICA, INC.
Aftersales DIVISION

PC324 - Altima (L33) OCS Control Unit 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 under the passenger seat. 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:** The Ignition must be turned off and remain off during replacement of the Occupant Classification (OCS) Control Unit.

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. Move passenger seat to full forward position.

3. Remove the passenger seat rear retaining bolts.

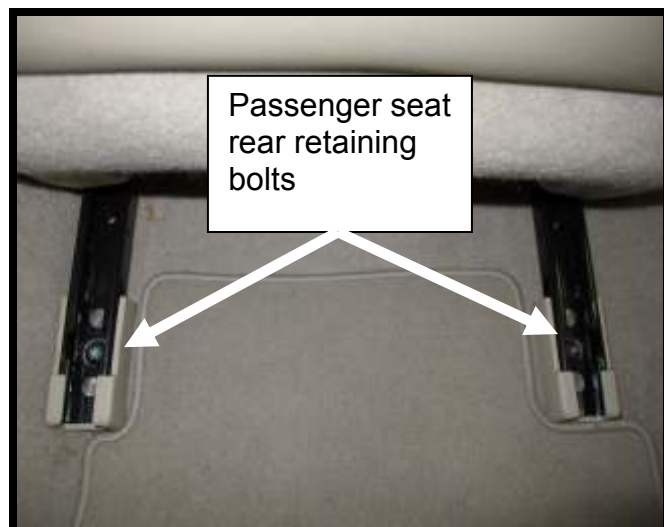


Figure 1

4. Move passenger seat to full back position.



Figure 2

5. Remove the passenger seat track slide covers (if applicable).

- Release the four pawls on each front slide cover as shown in Figures 2 and 3.

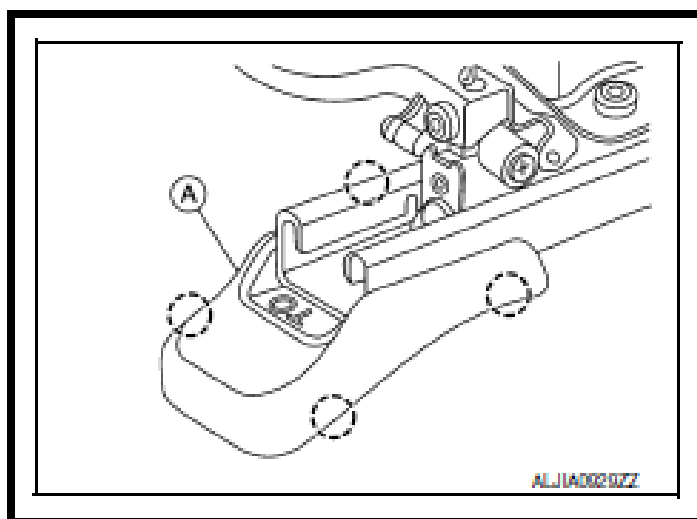


Figure 3

6. Remove the passenger seat front retaining bolts.

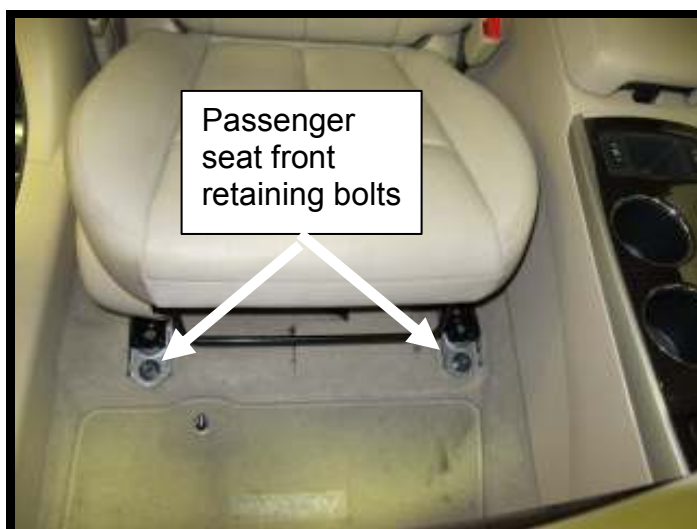


Figure 4

7. Locate passenger seat OCS Control Unit.

- Lift the front of the passenger seat to rock it back.
- The OCS Control Unit is on the forward edge of the passenger seat (Figure 5).
- Be careful to not over-extend the passenger seat harness.



Figure 5

8. Unplug the OCS Control Unit connector.

9. Remove OCS Control Unit from passenger seat.

- Remove two retaining screws.

Note: The removed OCS Control Unit will need to be returned through the Nissan Parts Return System.

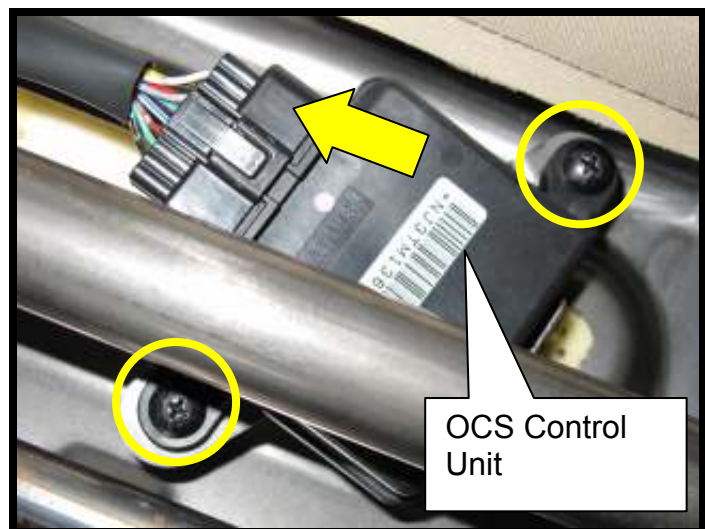


Figure 6

10. Install a **NEW** OCS Control Unit to passenger seat.

- Install two retaining screws.
- Install the OCS control unit connector.

11. Reinstall passenger seat to floor in reverse order of removal.

- Be careful to not damage the passenger seat harness during seat installation.
- Torque passenger seat bolts to:
49 N•m (5.0 kg-m, **36 ft-lb**)

12. 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)**.

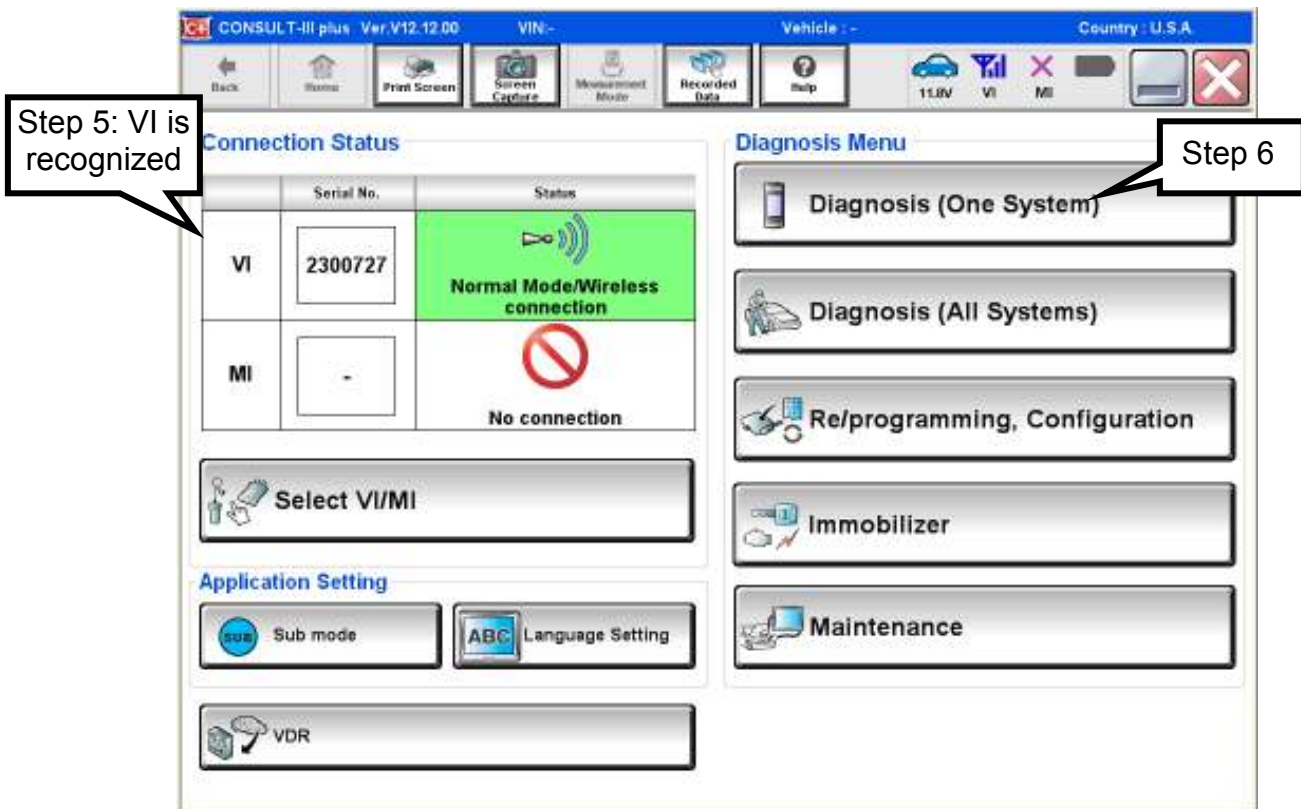


Figure Z1

7. Select **OCCUPANT DETECTION**.

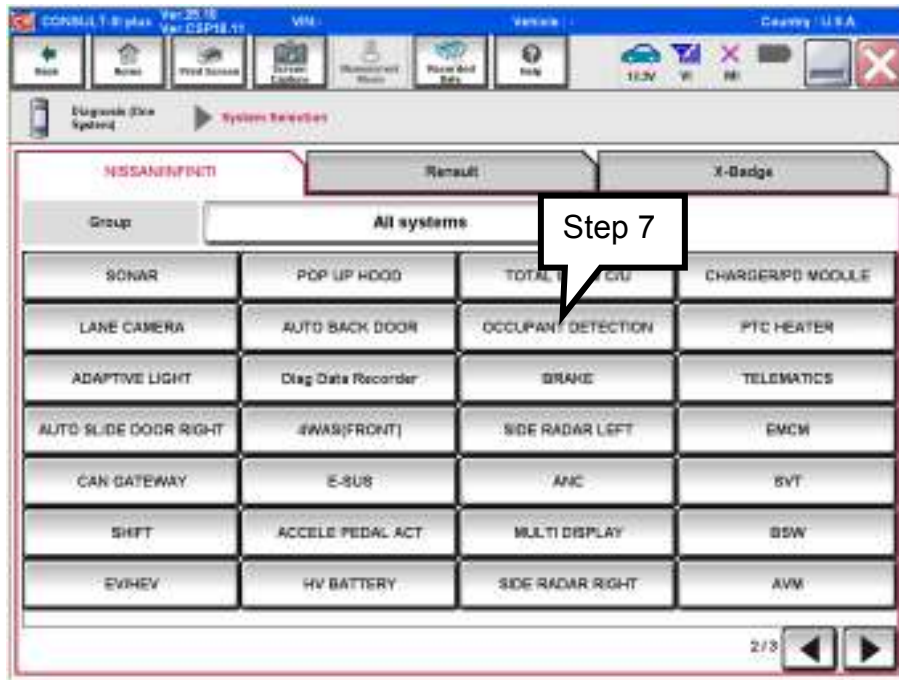


Figure Z2

8. Wait for System Call to complete.

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

10. Select **Start**.

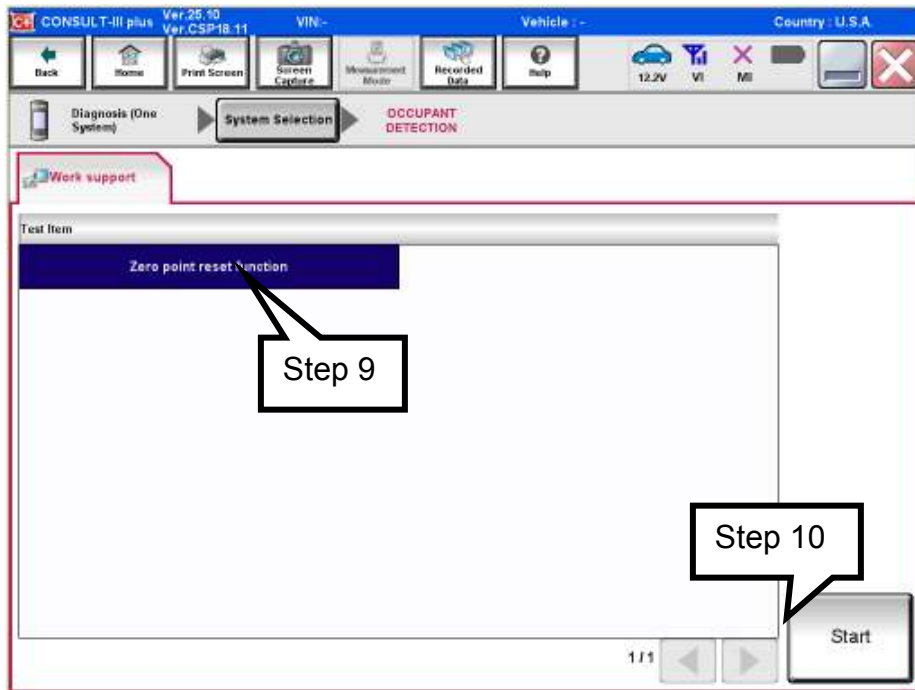


Figure Z3

11. Select **Next**.

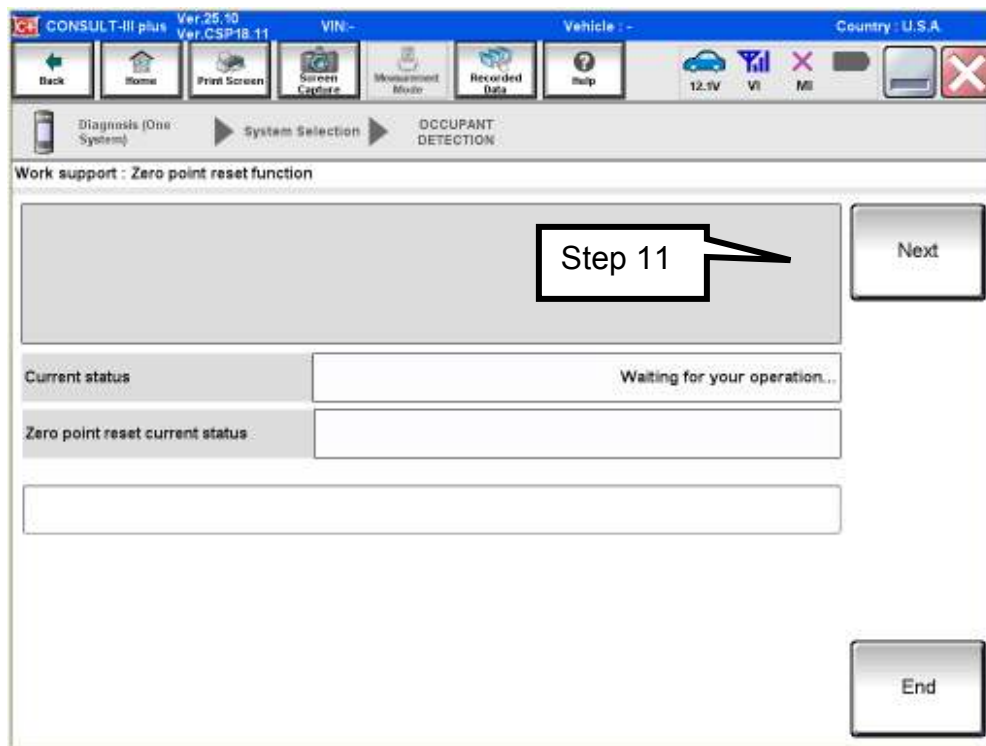


Figure Z4

12. Select **Start**.

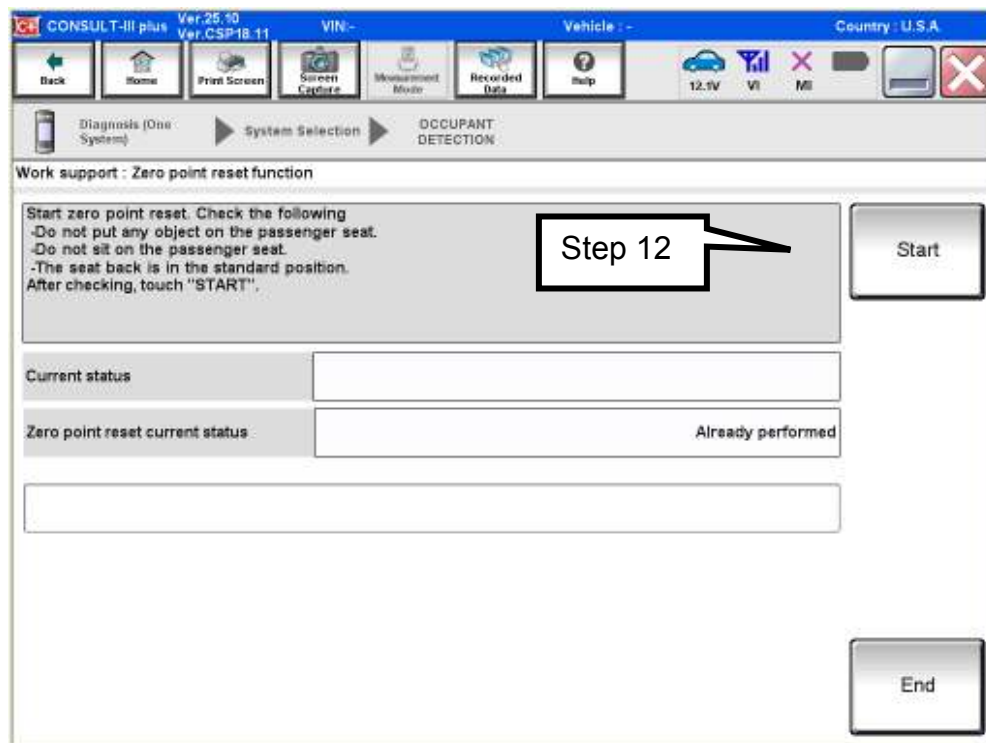


Figure Z5

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.

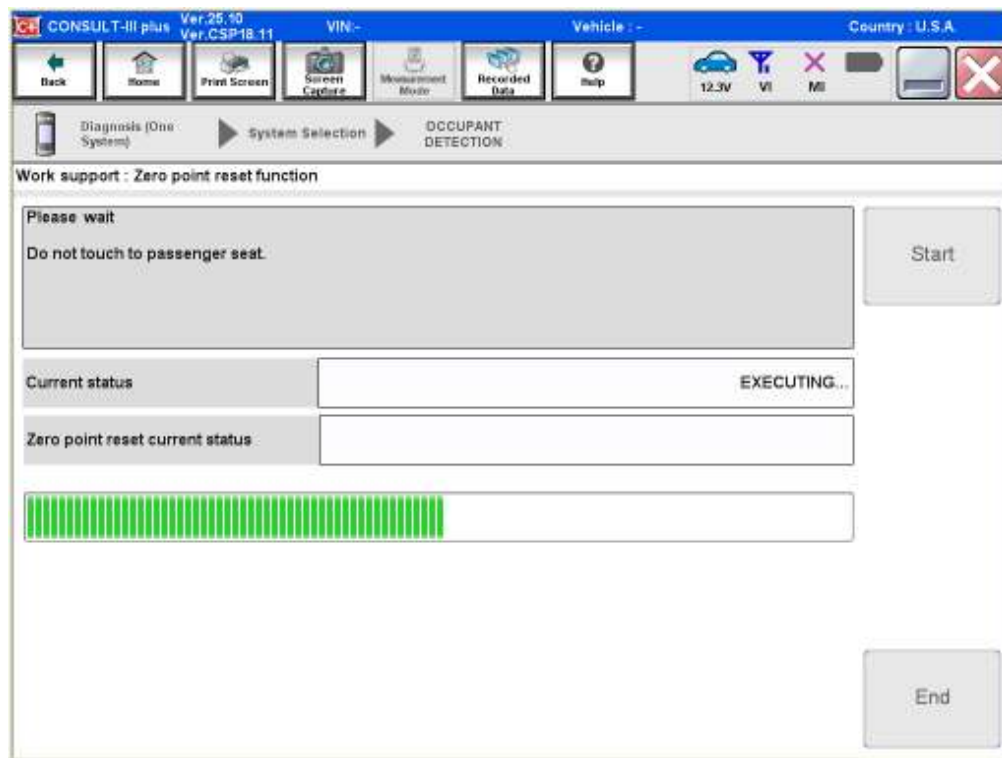


Figure Z6

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.

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

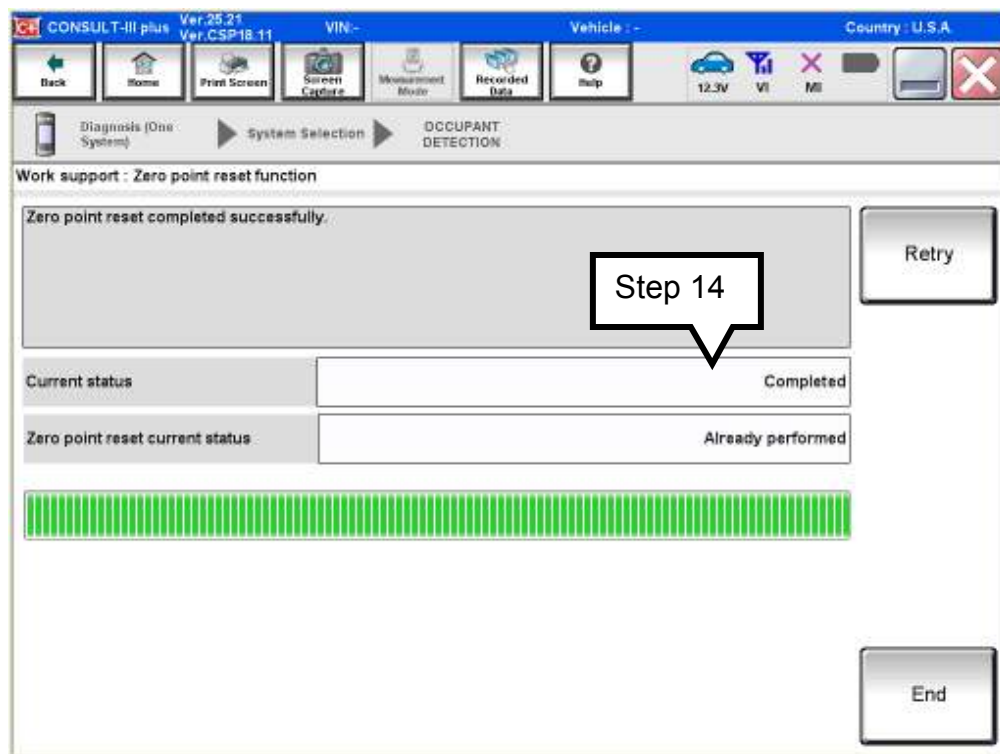


Figure Z7

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 control unit are not covered by this dealer action.

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 dealer action. Refer to ASIST and the Service Manual for additional diagnostic and repair information.

PARTS INFORMATION

DESCRIPTION	PART #	QUANTITY
Controller Assy-Occupant Sensor (OCS Control Unit)	98856-9HN0A	1

CLAIMS INFORMATION

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

CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
PC324	Replace OCS Control Unit	PC3240	0.5 hrs.

PM462 - Sentra (B17) OCS Control Unit 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 under the passenger seat. 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:** The Ignition must be turned off and remain off during replacement of the Occupant Classification (OCS) Control Unit.

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. Move passenger seat to full forward position.

3. Remove the passenger seat rear retaining bolts.

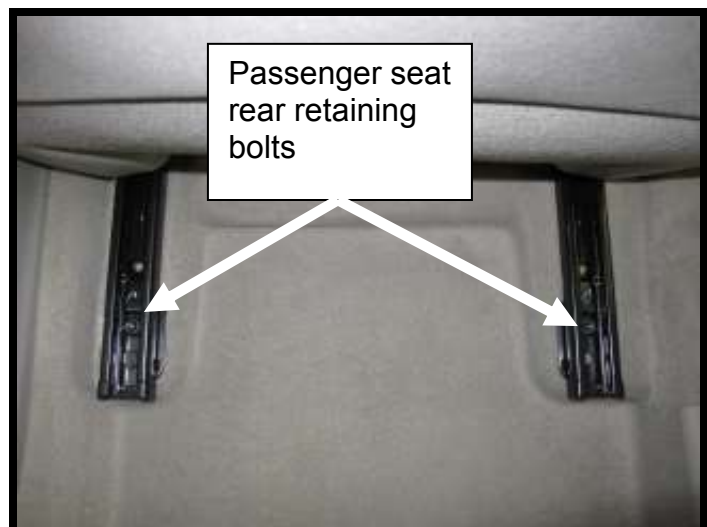


Figure 1

4. Move passenger seat to full back position.
5. Remove the passenger seat front retaining bolts.

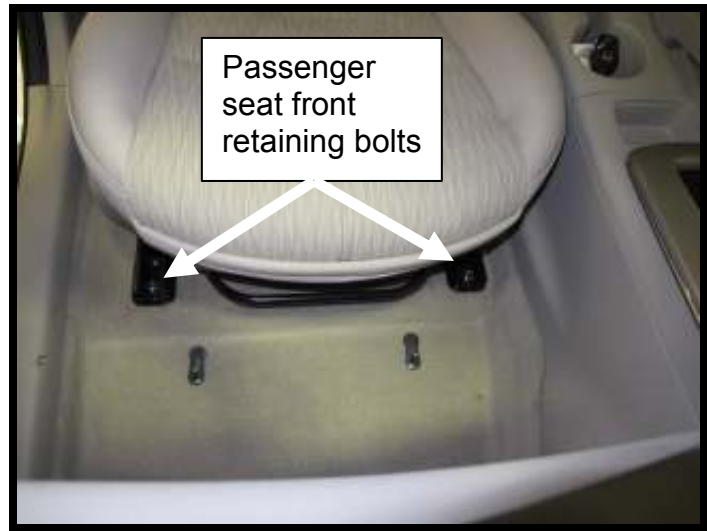


Figure 2

6. Locate passenger seat OCS Control Unit.
 - Lift the front of the passenger seat to rock it back.
 - The OCS Control Unit is on the forward edge of the passenger seat (Figure 3).
 - Be careful to not over-extend the passenger seat harness.



Figure 3

7. Unplug the OCS Control Unit connector.
8. Remove OCS Control Unit from passenger seat.
 - Remove two retaining screws.

Note: The removed OCS Control Unit will need to be returned through the Nissan Parts Return System.



Figure 4

10. Install a **NEW** OCS Control Unit to passenger seat.

- Install two retaining screws.
- Install the OCS control unit connector.

11. Reinstall passenger seat to floor in reverse order of removal.

- Be careful to not to damage the passenger seat harness during seat installation.
- When installing the passenger seat, tighten the bolts in order shown in Figure 5.
- Torque passenger seat bolts to:
40 N•m (4.1 kg-m, **30 ft-lb**)



Figure 5

12. 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)**.

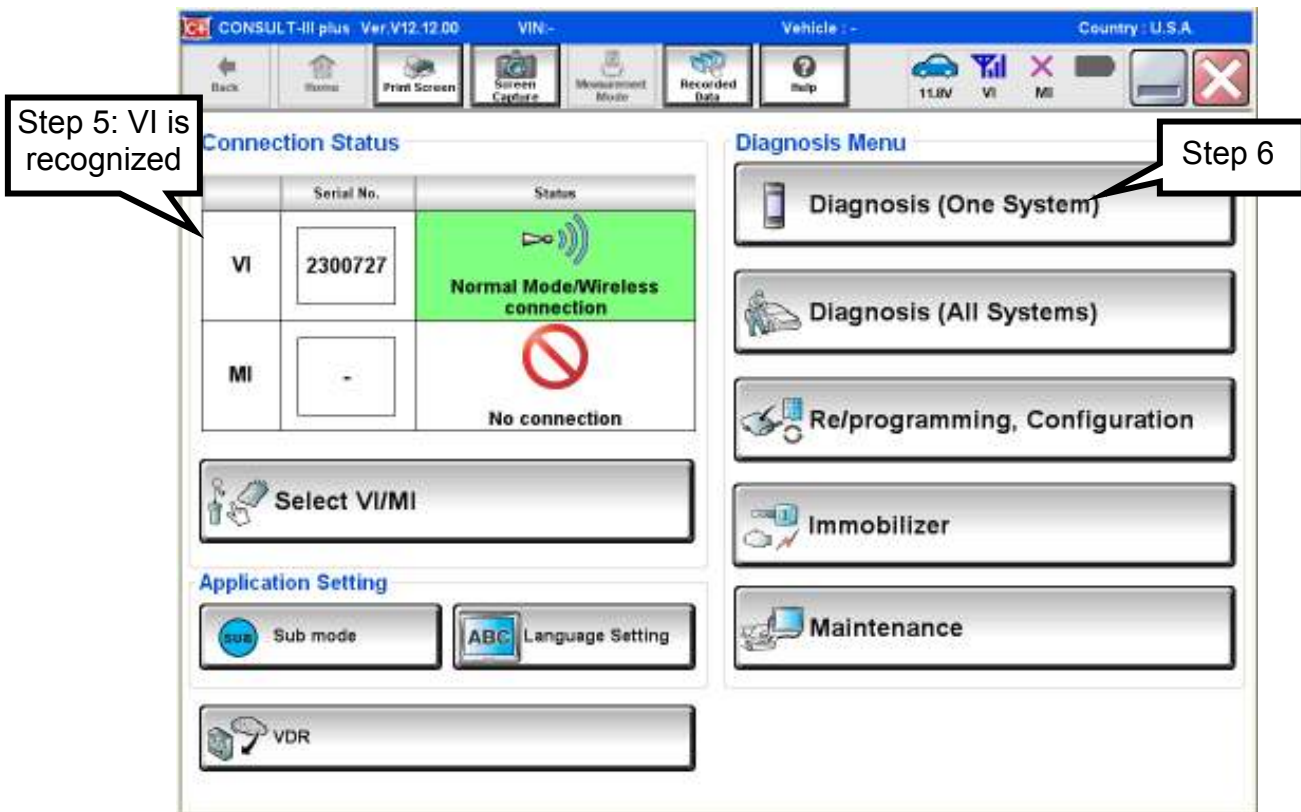


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7. Select **OCCUPANT DETECTION**.

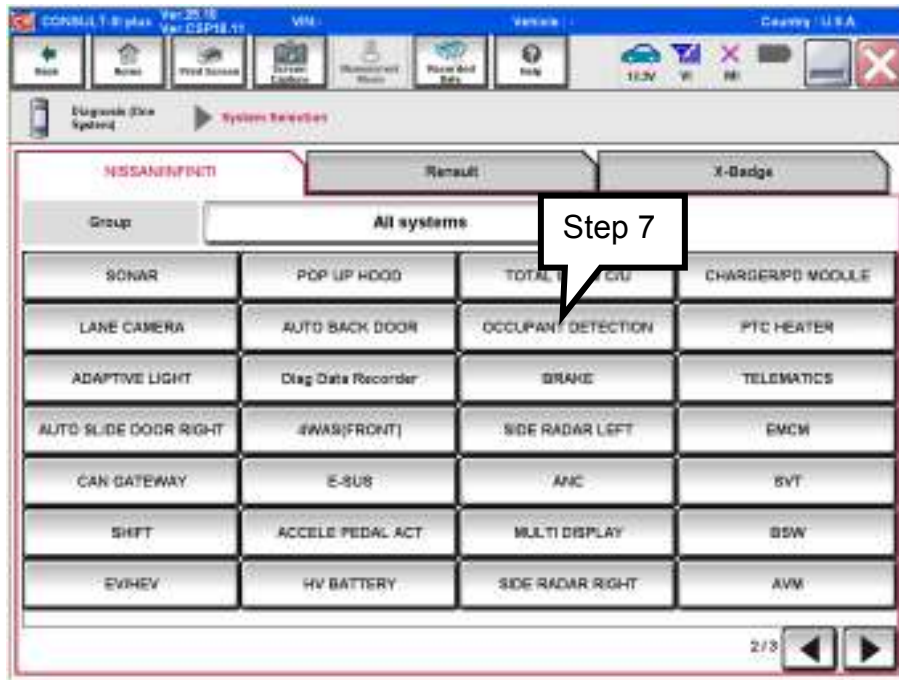


Figure Z2

8. Wait for System Call to complete.

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

10. Select **Start**.

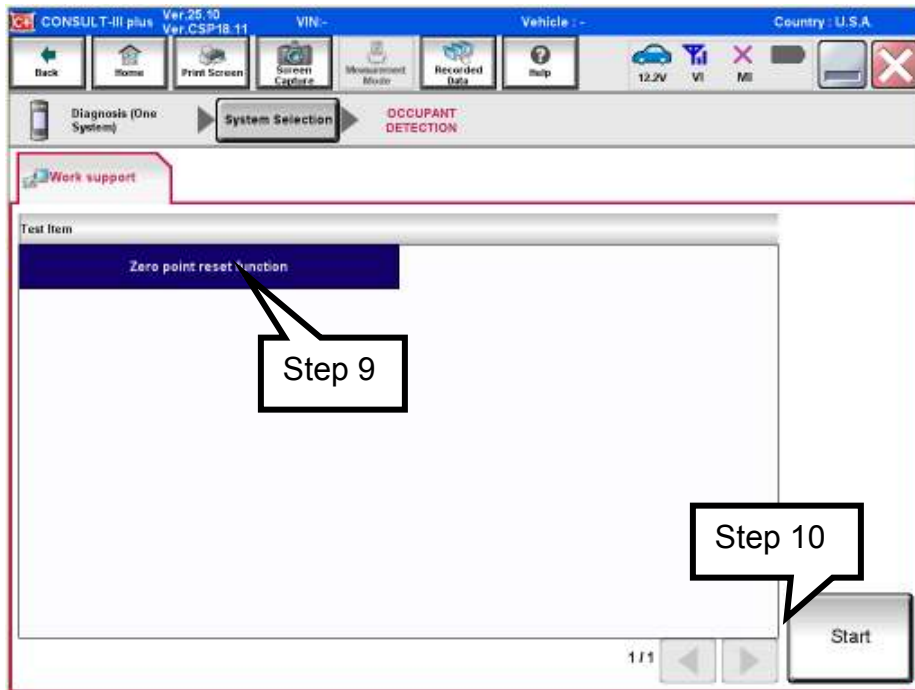


Figure Z3

11. Select **Next**.

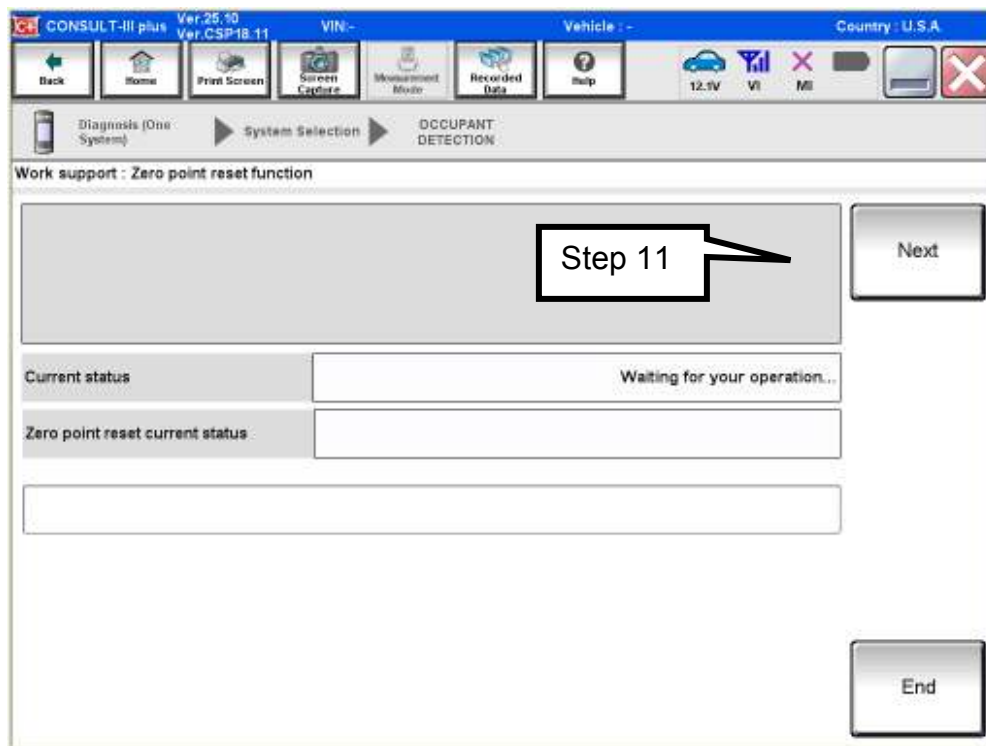


Figure Z4

12. Select **Start**.

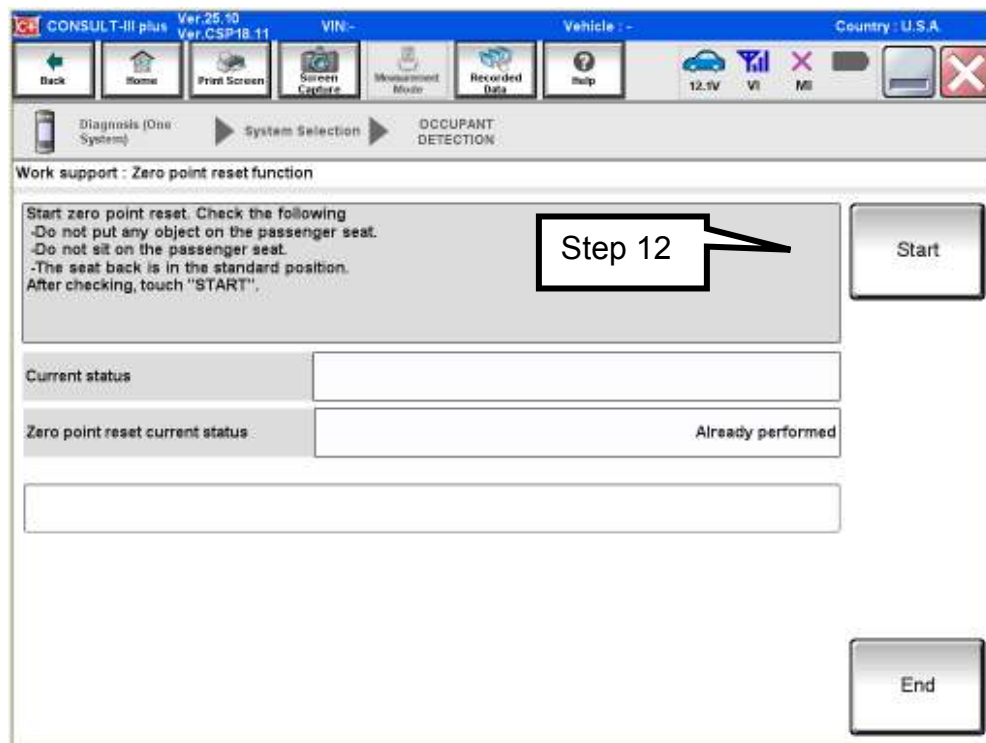


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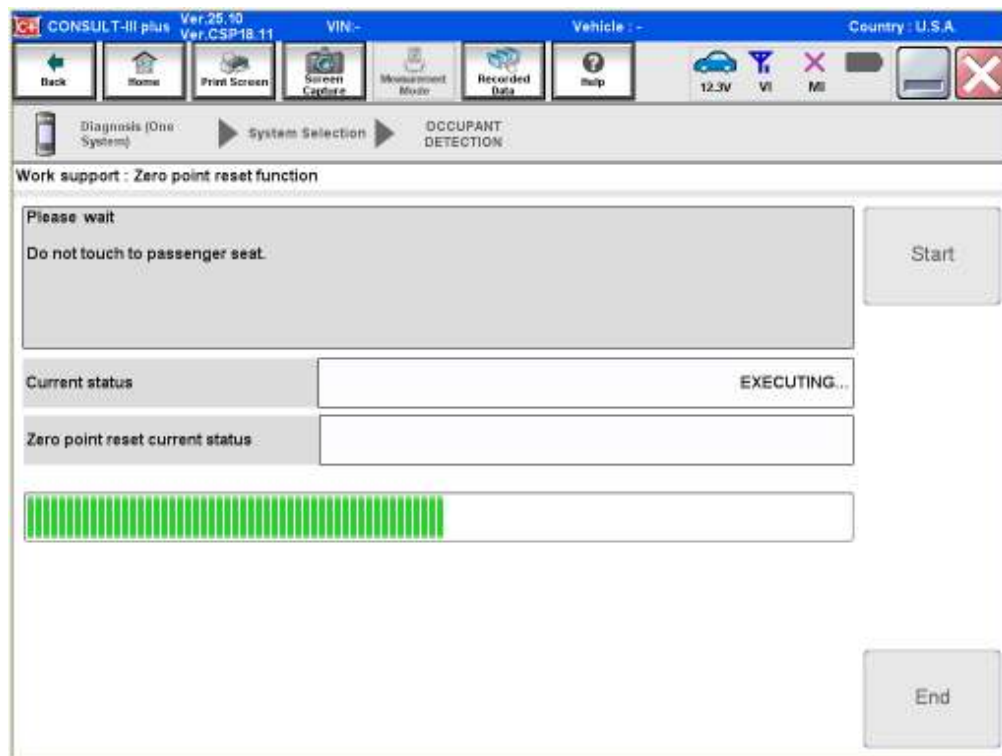


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- c. Try Zero Point Rest again.

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

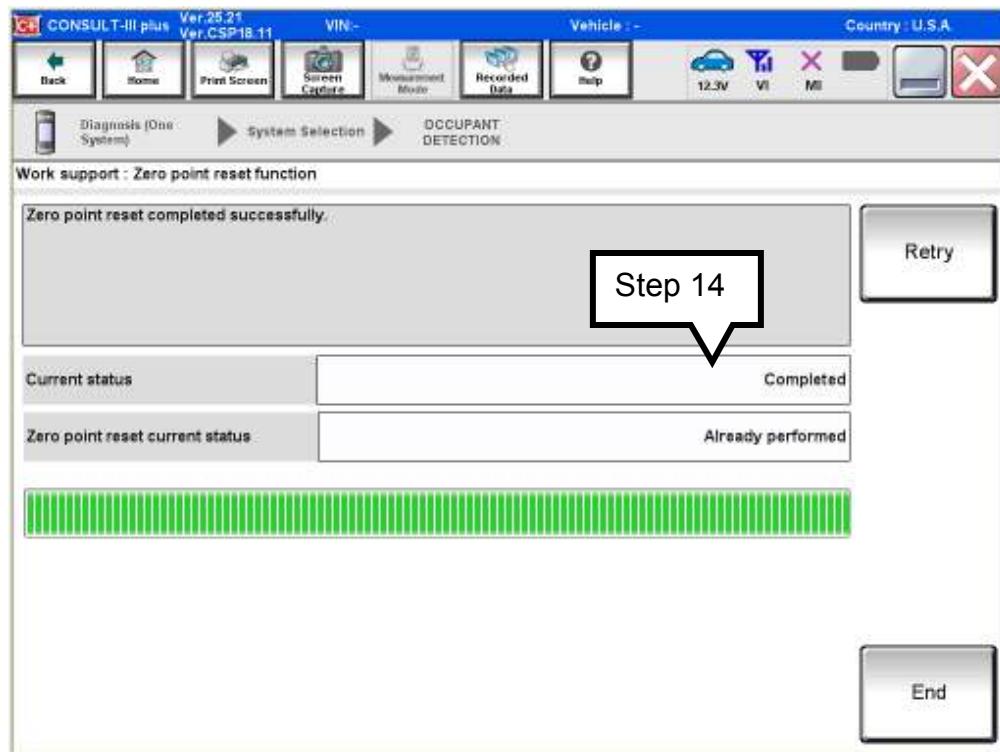


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15. Select **Home** on C-III plus.

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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 dealer action. Refer to ASIST and the Service Manual for additional diagnostic and repair information.

PARTS INFORMATION

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CLAIMS INFORMATION

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CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
PM462	Replace OCS Control Unit	PM4620	0.5 hrs.