

Reference:

ITB13-011

Date:

April 2, 2013

VOLUNTARY SAFETY RECALL CAMPAIGN 2013 JX35 OCS SENSOR

CAMPAIGN ID#: PC217
NHTSA # 13V-069
APPLIED VEHICLES: 2013 JX35 (L50)

Check Service Comm to confirm campaign eligibility.

INTRODUCTION

Infiniti is conducting a Voluntary Safety Recall Campaign to replace the Occupant Classification System (OCS) sensors on certain specific JX35 vehicles at no charge for parts or labor.

IDENTIFICATION NUMBER

Infiniti has assigned identification number PC217 to this campaign. This number must appear on all communication 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 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, Infiniti strongly encourages dealers to correct any used vehicles in their inventory before they are retailed.

Infiniti 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 Infiniti dealer to determine if this applies to your vehicle.

SERVICE PROCEDURE

IMPORTANT: Follow all cautions, warnings, and notes in the Electronic Service Manual (ESM) when working on or near a Supplemental Restraint System (SRS), such as an air bag).

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 to protect the seat and interior parts.

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 to ensure proper operation of the Occupant Classification System.
- The front passenger seat used for photos in this procedure is equipped with climate control. Seats not equipped with climate control are similar.

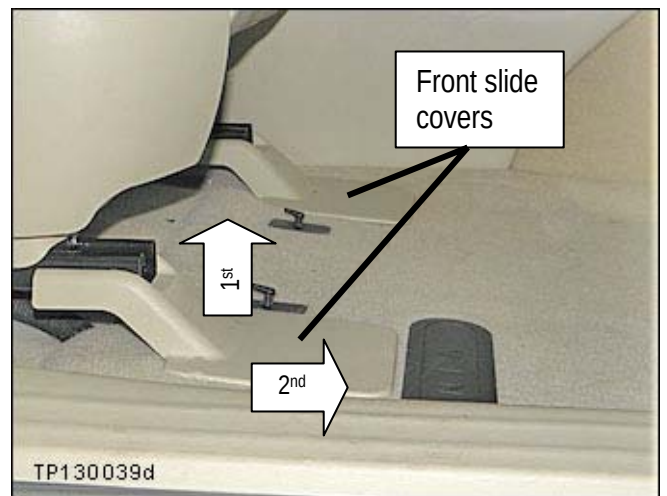
1. Write down the radio settings.

Presets	1	2	3	4	5	6
AM						
FM 1						
FM 2						
SAT 1						
SAT 2						
SAT 3						
Bass	Treble		Balance		Fade	Speed Sen. Vol.

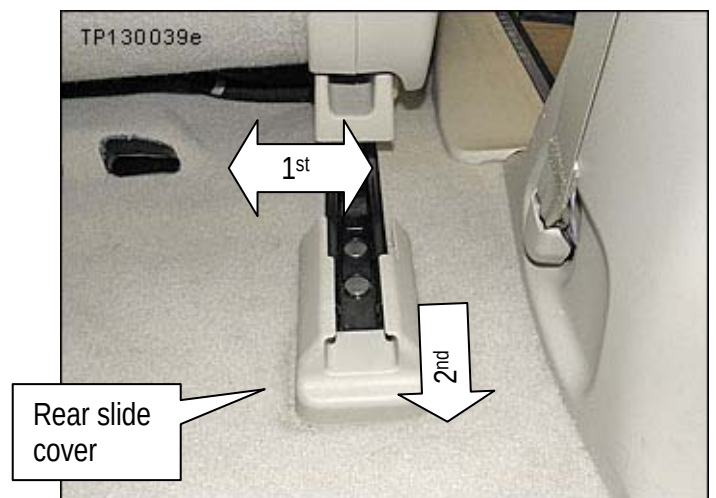
2. Write down the customer preferred setting for the Automatic Air Conditioning System.

- If needed, refer to System Settings in the HAC section of the Service Manual.

3. Slide the seat to the full rearward position.
4. Remove both front slide covers.
1st, lift UP the front of the cover.
2nd, pull the cover away from the seat.



5. Slide the seat to the full forward position.
6. Remove both rear slide covers.
1st, Unsnap the sides of the cover.
2nd, pull the cover away from the seat.



7. Position the seatback in the full upright position.
8. Slide the seat to a position where the seatback is about 1 inch forward of the B-pillar (see Figure 3).
9. Position the seat cushion to the full UP position.



Figure 3

IMPORTANT:

- The seat will need to be unbolted and bolted twice while the battery is disconnected.
- With the seat positioned as shown in Figure 3, there is access to all 4 of the bolts that hold the seat to the floor.
- Later in the procedure the seat will need to be tilted to the right. With the seat in the position above, it will tilt to the right and miss the B-pillar.
- With the seat cushion in the full UP position, there is easier access to the OCS sensors.

10. Disconnect both battery cables – negative cable first.

- **CAUTION:** Wait at least three minutes before continuing.

11. Remove the 4 bolts that hold the seat to the floor.

12. Lift the front of the seat and locate the harness connectors.
13. Release the 3 harness attachment clips, then disconnect the 4 harness electrical connectors from the seat.

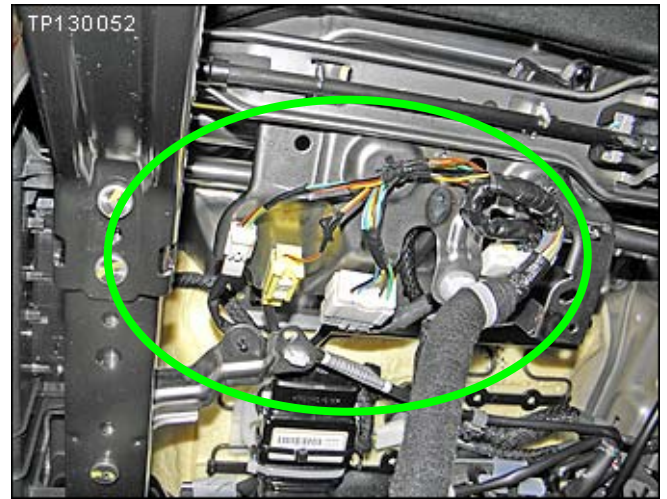


Figure 4

14. Carefully remove the seat from the vehicle.

CAUTION: Do not damage the door finisher or other interior parts while removing the seat.

15. Place the seat in a clean working area.

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

16. Remove screw (A) from the front of the seat cushion outer finisher (RH).
17. Remove the seat cushion outer finisher (RH).
 - a. Use a plastic trim tool to snap loose/release the 2 metal clips.

 = Metal clip location

- b. Disconnect the harness connector(s) from the power seat switch and the power lumbar switch (if equipped).

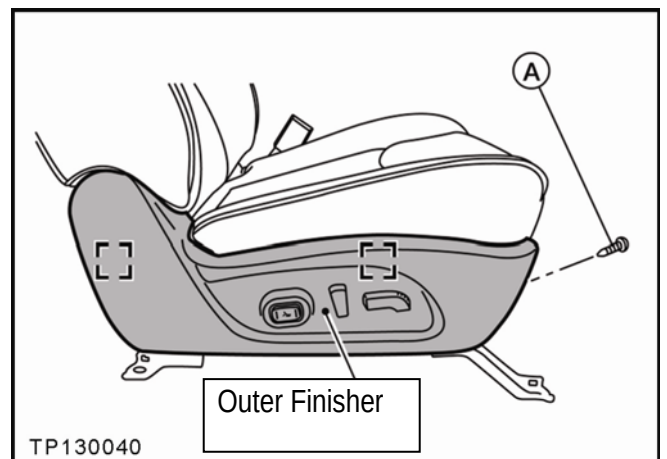


Figure 5

18. From under the seat, unhook the two seatback board J-clips.

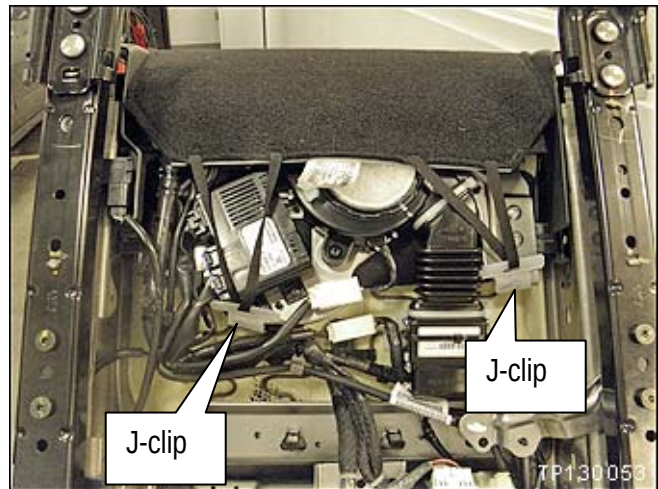


Figure 6

19. If equipped with climate control; remove the lower rear cover.

- a. Remove 4 screws.
- b. Release harness attachment clip (if present).
- c. Lift cover toward the back of the seat to remove.

NOTE: This cover has two hooks that attach to the seat frame.

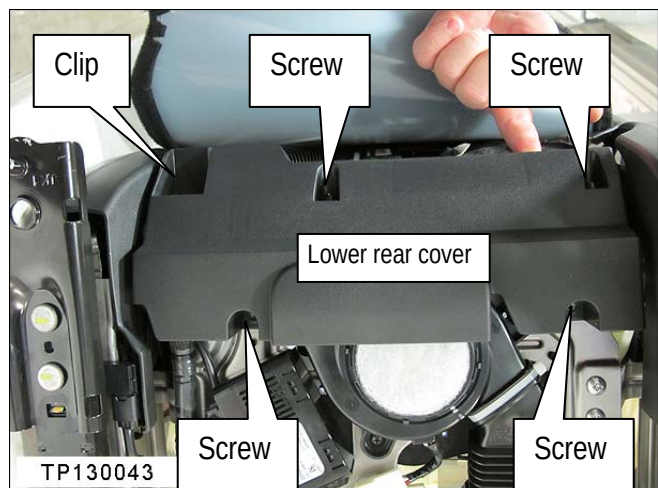


Figure 7

20. If equipped with climate control; disconnect the upper blower duct at the point shown in Figure 8.



Figure 8

21. If equipped with climate control seat; remove the 4 screws (blower motor bracket screws) shown in Figure 9.

- Move the harness to access 2 of the screws. The harness has 2 mounting clips that will need to be released.

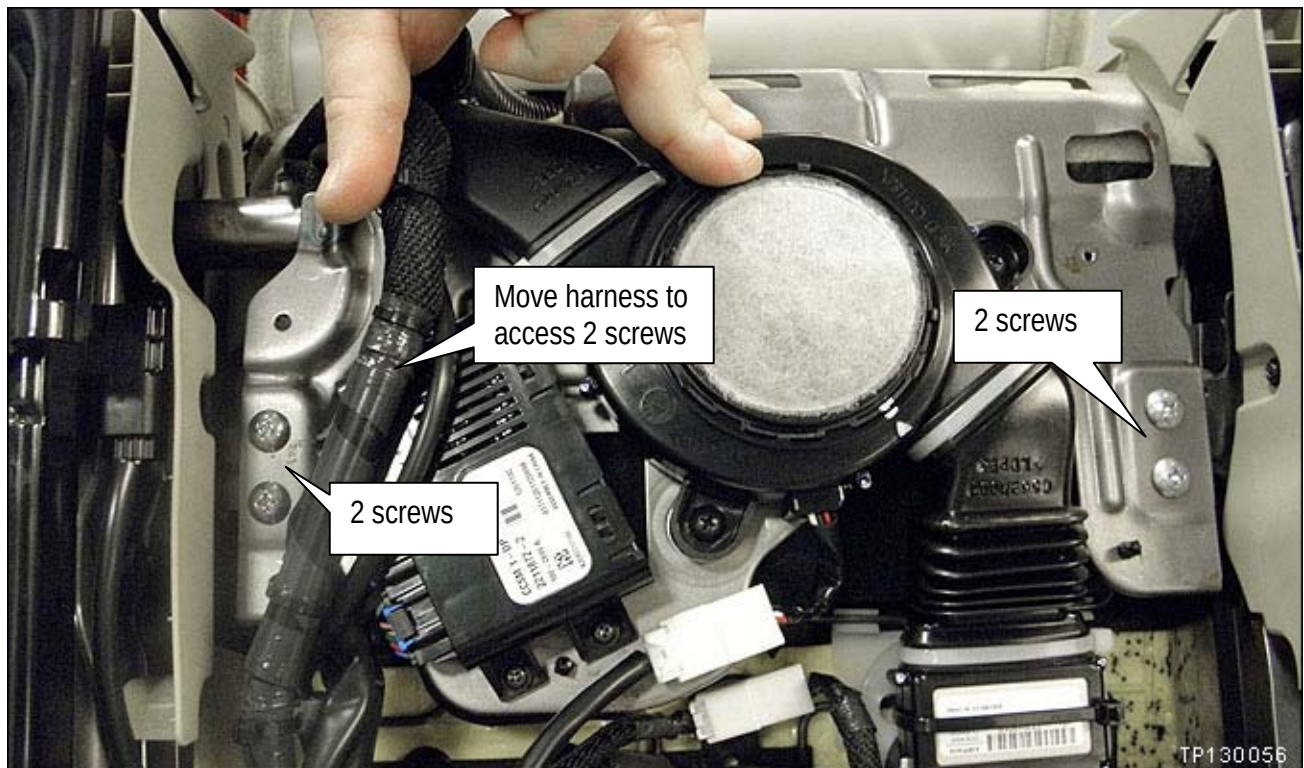


Figure 9

22. Disconnect the cloth flap J-hooks for the seat cushion trim from the seat frame (see Figure 10).

- If equipped with climate control seat; the cloth flap J-hooks are located under the blower motor bracket.

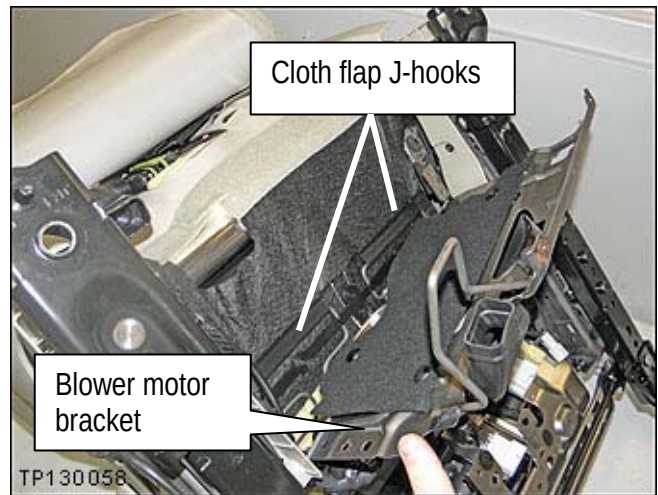


Figure 10

23. Remove the finisher shown in Figure 11.
(Seat cushion outer lower finisher (LH))

- Remove 2 screws.
- Slide / pull the finisher toward the rear of the seat to remove.

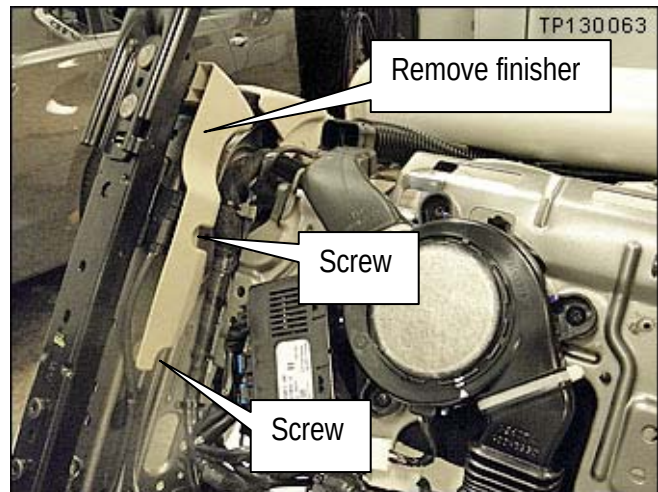


Figure 11

24. Release the cloth strap shown in Figure 12.



Figure 12

25. Release the seat cushion J-clips from both sides of the seat.

- Use a flat blade screwdriver to release the front of the J-clip and then work the rest of the clip loose.



Figure 13

26. Release the seat cushion J-clips from the front of the seat.

NOTE:

- The J-clips on the front of the seat have metal clips on the outside of the J-clips.
- The J-clips in Figure 14 have been released, showing the metal clips.
- With these metal clips, more effort is needed to release the J-clips.

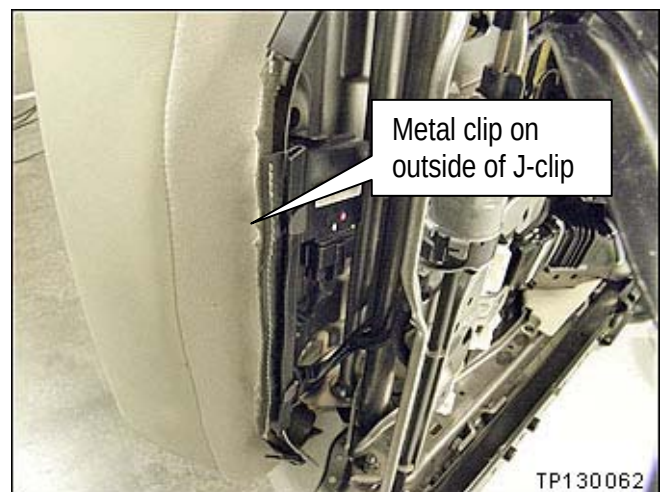


Figure 14

27. Remove the seat cushion trim and pad from the seat frame.

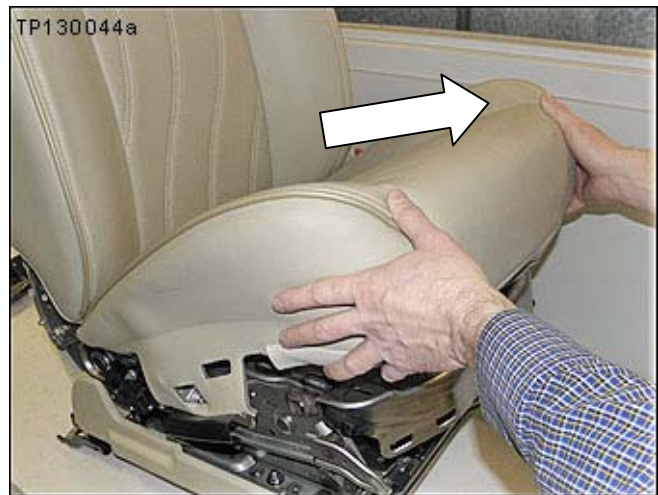


Figure 15

NOTE: For seats without climate control:

- Seats that do not have climate control are equipped with an electrical harness connected to the seat cushion.
- This harness is for the heated seat.
- Do not disconnect this harness.
- Let the seat cushion set loose on the seat frame.



Figure 15a

- In the steps on the following pages you will need to access bolts on the seat frame.
- As needed, hold the seat cushion out of the way to access bolts on the seat frame.



Figure 15b

28. Place the seat in the vehicle.

29. Install the 4 bolts that hold the seat to the floor.

- Torque bolts to 48 N•m (3.9 kg-m, 35 ft-lb).
- Torque order: Front inboard
Front outboard
Rear outboard
Rear inboard

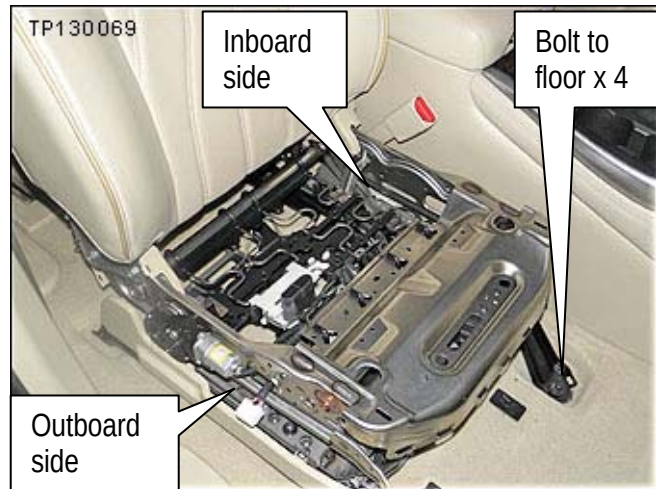


Figure 16

30. Remove all 4 seat frame 14 mm nuts (see Figures 16, 17 and 18).

NOTE: The old nuts will not be reused.

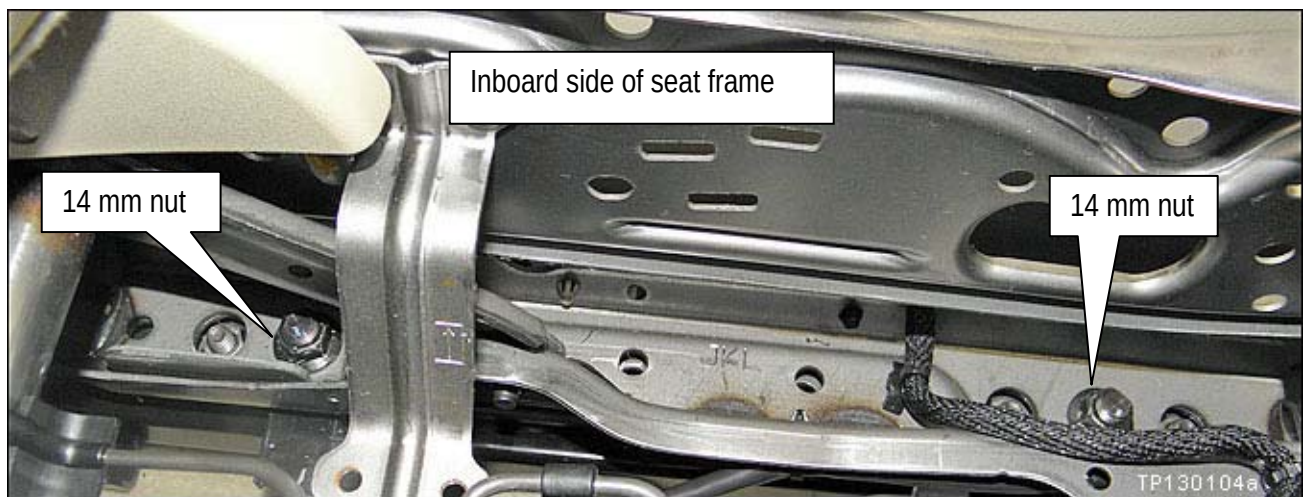


Figure 17

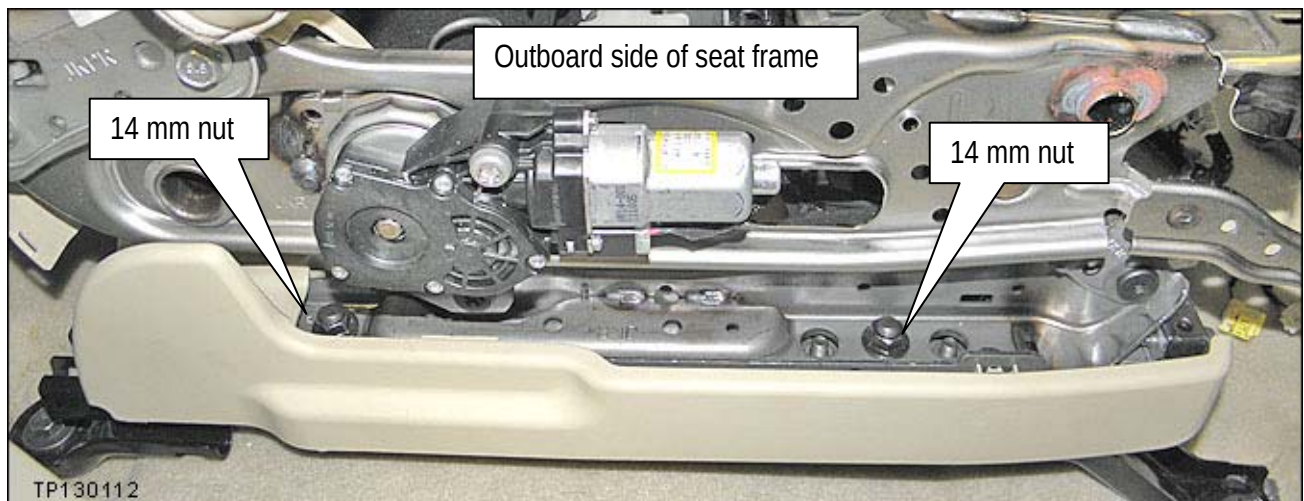


Figure 18

31. Replace the front OCS sensor as follows.

- a. From the front of the seat, tilt the seat towards the passenger side of the vehicle.



Figure 19

- b. Disconnect the OCS sensor electrical connector.
- c. Remove the old sensor and Install the new OCS sensor.
- d. Use new 12 mm nuts.
- e. Torque the 12 mm nuts to:
22 N•m (3.04 kg-m, 16 ft-lb)
- f. Reconnect the electrical connector.
- g. Render the old sensor unusable by breaking its electrical connector.

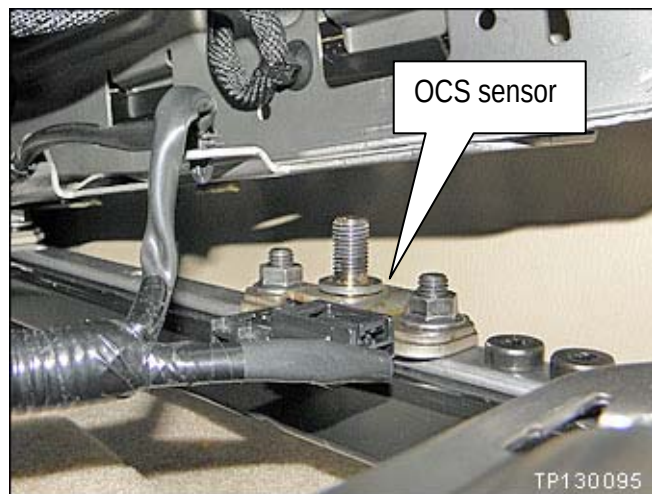


Figure 20

32. Replace the rear OCS sensor as follows.

- a. From the back of the seat, tilt the seat towards the passenger side of the vehicle.



Figure 21

- b. Disconnect the OCS sensor electrical connector.
- c. Remove the old sensor and install the new OCS sensor.
- d. Use new 12 mm nuts.
- e. Torque the 12 mm nuts to:
22 N•m (3.04 kg-m, 16 ft-lb)
- f. Reconnect the electrical connector.
- g. Render the old sensor unusable by breaking its electrical connector.

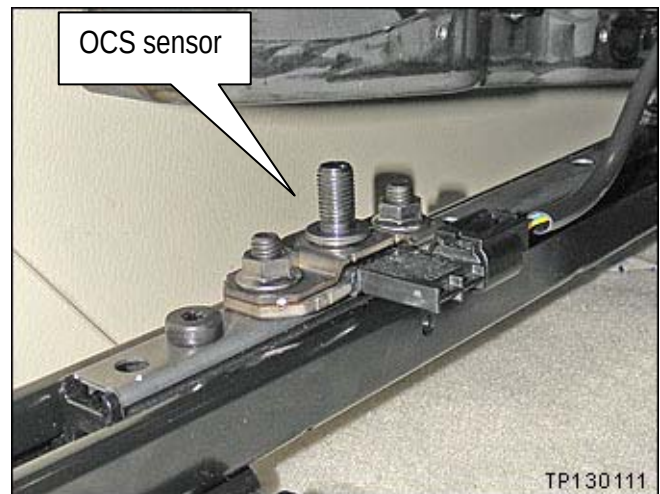


Figure 22

33. Reinstall all 4 seat frame 14 mm nuts.

- Use new nuts.
- Torque the nuts in the order shown in Figures 23 and 24.
- Torque nuts to 45 N•m (4.56 kg-m, 33 ft-lb).

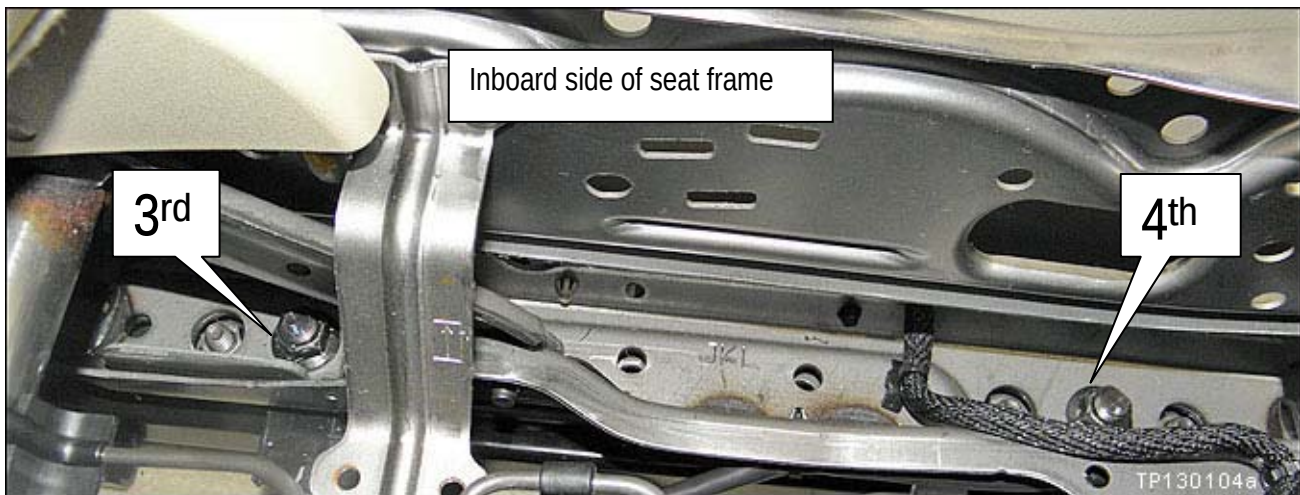


Figure 23

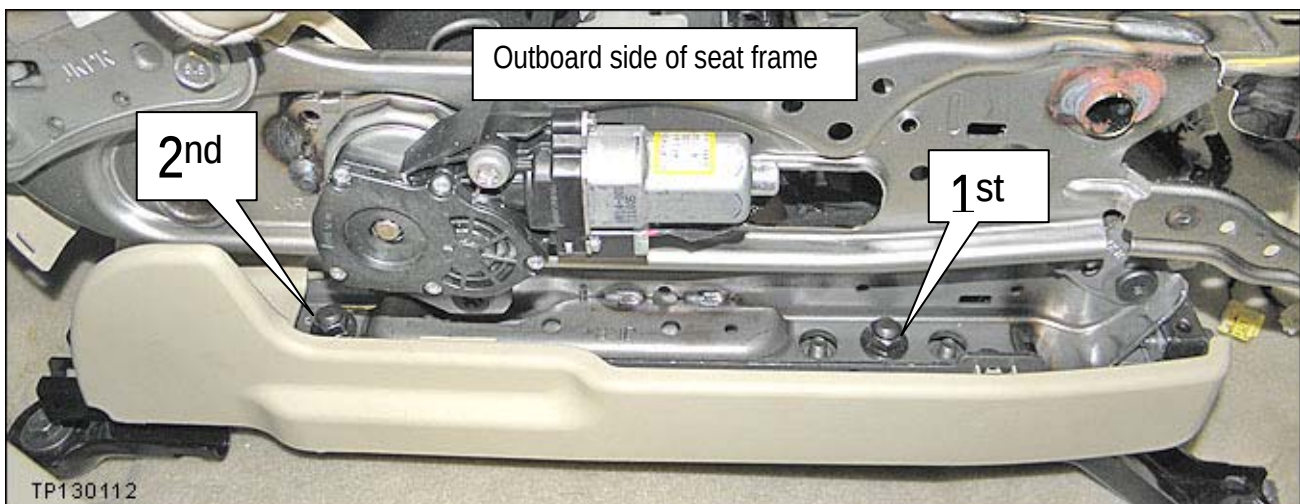


Figure 24

Reassemble the Seat

34. Remove the seat from the vehicle and place it in a clean working area.

35. Reinstall the seat trim and pad onto the seat frame.

NOTE:

- If equipped with climate controlled seat, note the location of the duct outlet that fits into the hole in the seat pad.
- Later, when the blower motor bracket screws are installed, you will need to make sure (by feel) the outlet is correctly positioned and not folded.

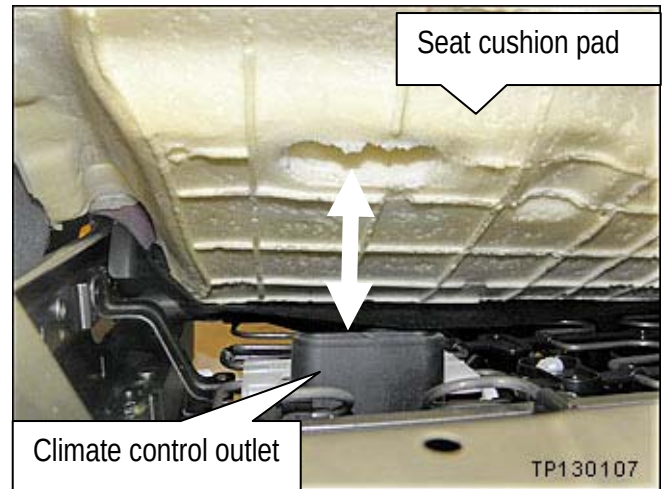


Figure 25

36. Reattach the seat cushion J-clips on both sides of the seat.

- Hold the J-clip in place and use a large flat blade screwdriver to push the J-clip so that it snaps in place.

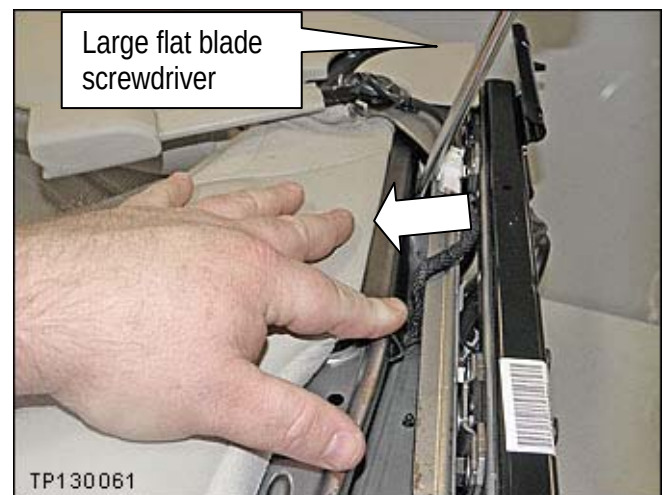


Figure 26

37. Reattach the seat cushion J-clips along the front of the seat.

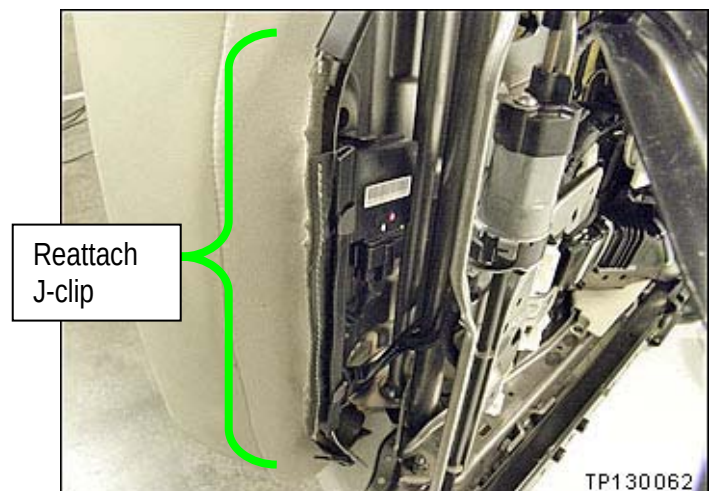


Figure 27

38. Reinstall the finisher shown in Figure 28.
(Seat cushion outer lower finisher (LH))

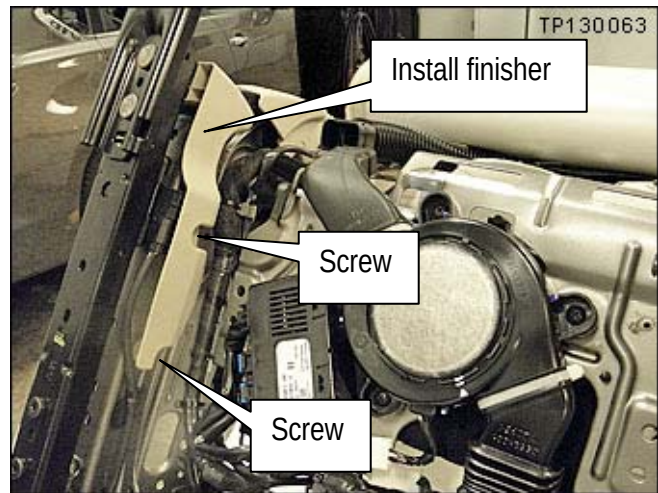


Figure 28

39. Reconnect the cloth flap J-hooks for the seat cushion trim to the seat frame (see Figure 29).
- If equipped with climate control seat; the cloth flap J-hooks are located under the blower motor bracket.

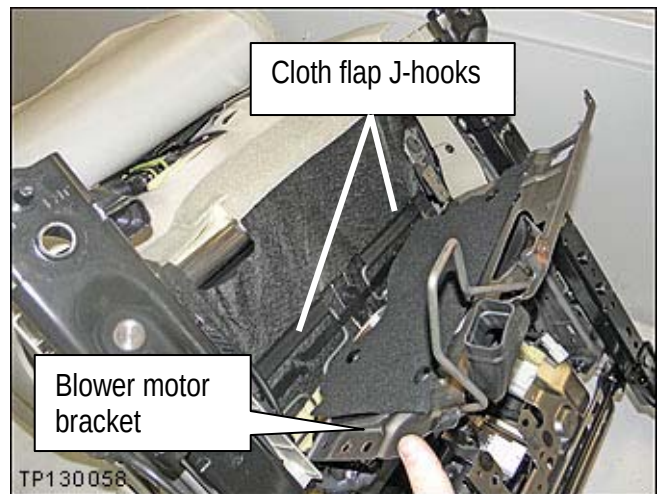


Figure 29

40. Reattach the cloth strap shown in Figure 30.
- This strap secures the seat harness between the seat cushion and the seatback.



Figure 30

41. If equipped with climate control seat; reinstall the 4 screws (blower motor bracket screws) shown in Figure 31.
 - After the screws are installed, clip the harness back in place.
42. If equipped with climate control seat; feel under the duct (see Figure 31); make sure the outlet is positioned in the set cushion opening and not folded.
 - Refer back to Figure 25 if needed.

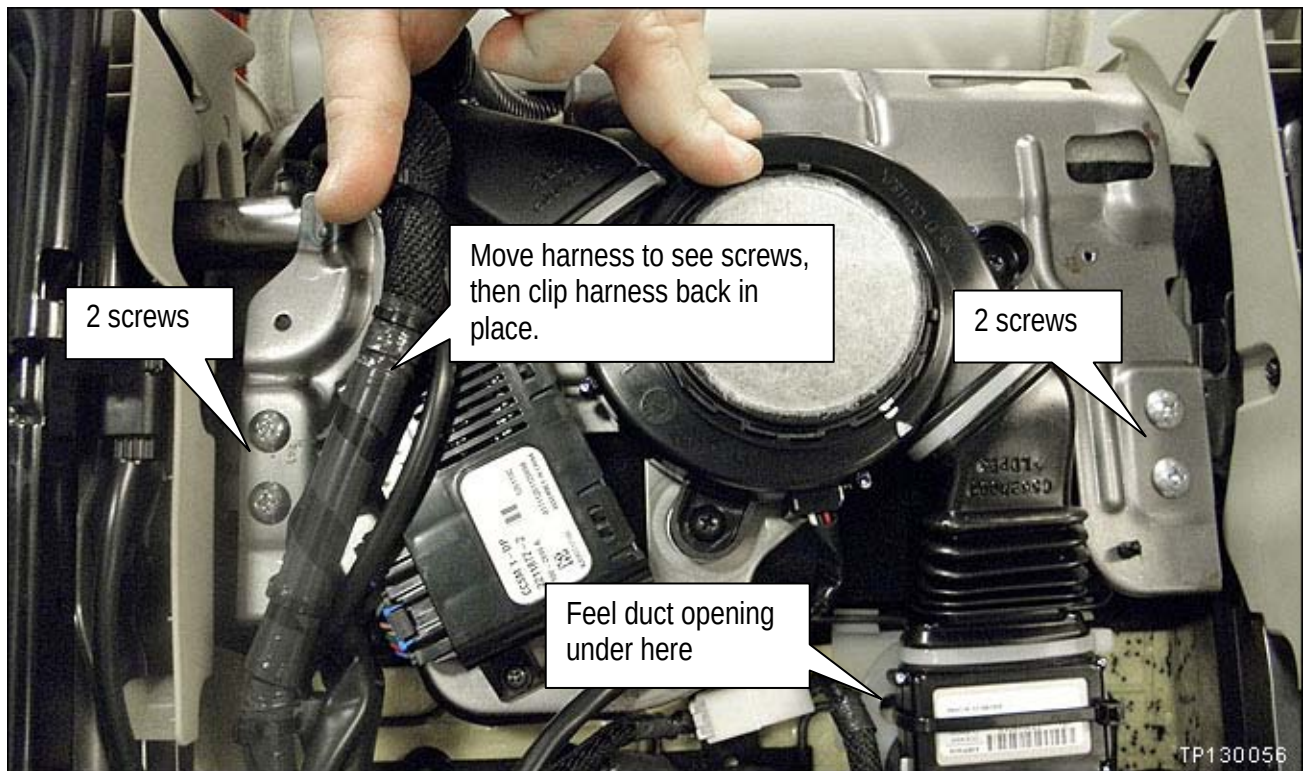


Figure 31

43. If equipped with climate control; reconnect the upper blower duct at the point shown in Figure 32.



Figure 32

44. If equipped with climate control; reinstall the lower rear cover.

NOTE: This cover has two hooks that attach to the seat frame.

- a. Reattach harness clip (if present).
- b. Reinstall 4 screws.

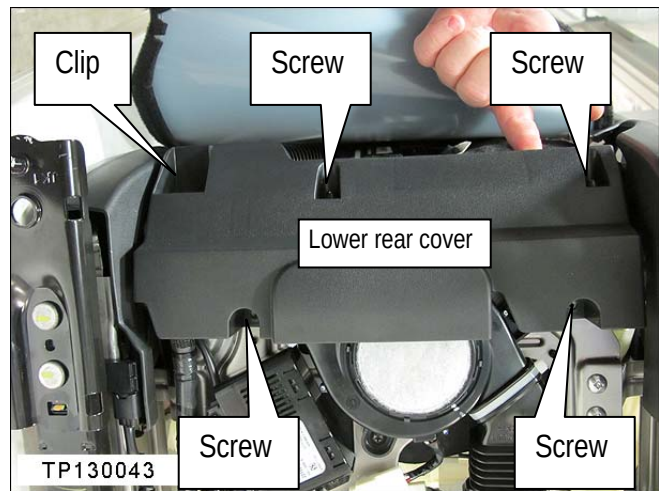


Figure 33

45. Reattach the two seatback board J-clips.

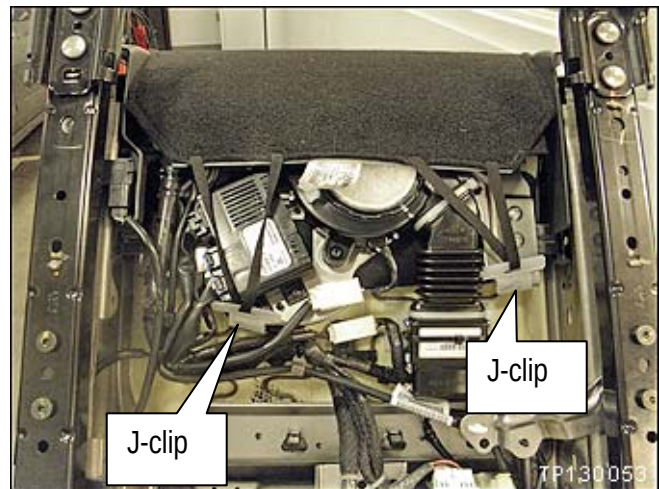


Figure 34

46. Reinstall the seat cushion outer finisher (RH) as follows:

- a. Reconnect the harness connector(s) for the power seat switch and the power lumbar switch (if equipped).
- b. Slide the front of the finisher in place where the screw attaches, then
- c. Snap the 2 metal clips in place.

 = Metal clip location

- d. Reinstall screw (A) at the front of the seat cushion outer finisher (RH).

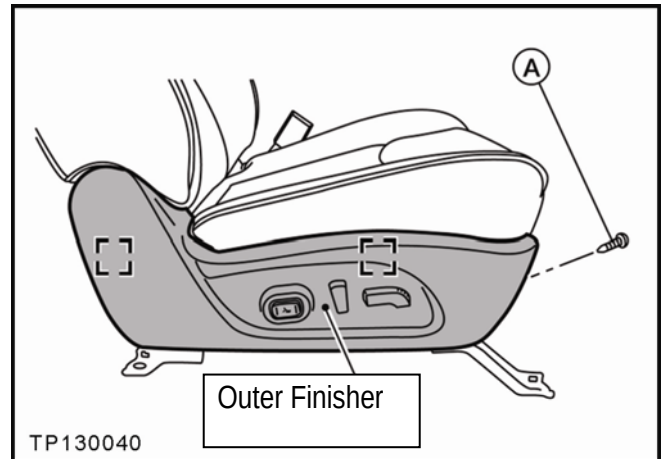


Figure 35

47. Place the seat in the vehicle.



Figure 36

48. Lift the front of the seat and attach the 3 harness attachment clips and the 4 harness connectors.

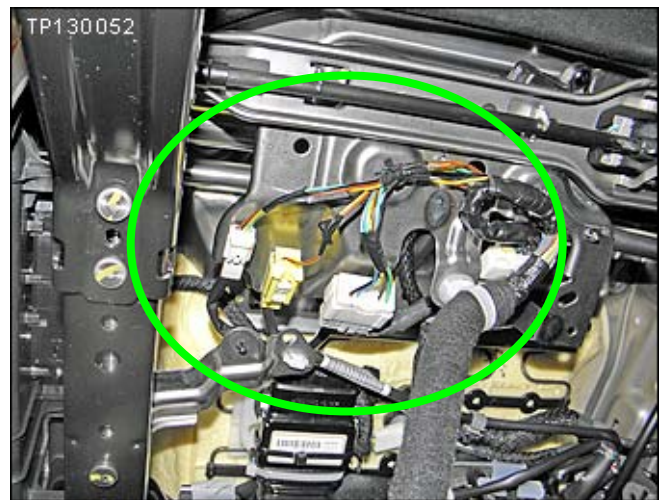


Figure 37

49. Install the 4 bolts that hold the seat to the floor.
- Torque bolts to 48 N•m (3.9 kg-m, 35 ft-lb).
 - Torque bolts in the order shown.

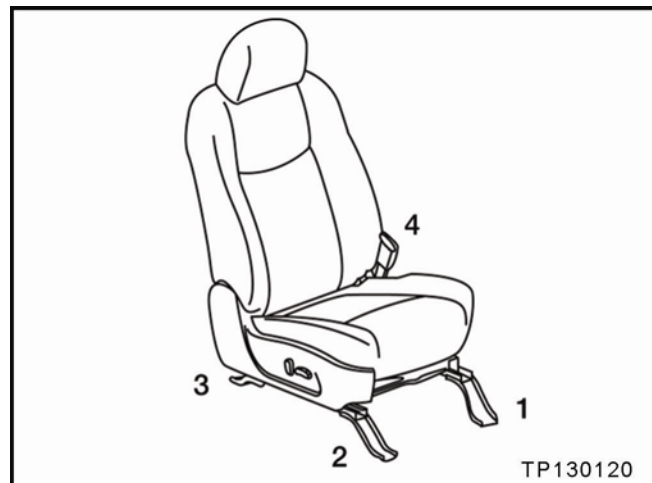


Figure 38

50. Connect both battery cables – positive cable first.

51. Slide the seat to the full rearward position.

52. Reinstall both front slide covers.

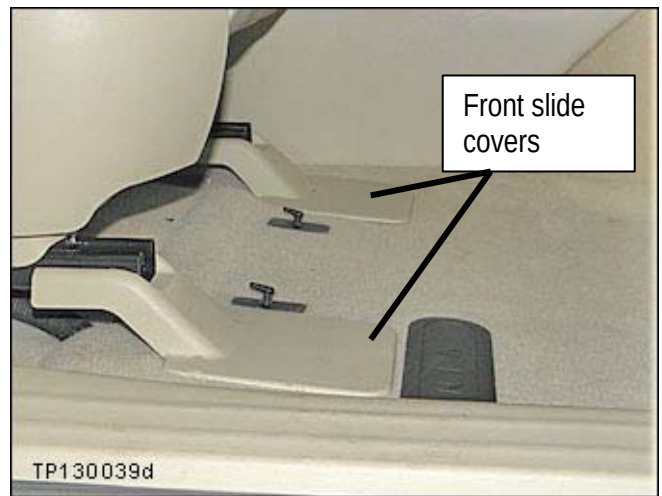


Figure 39

53. Slide the seat to the full forward position.

54. Reinstall both rear slide covers.

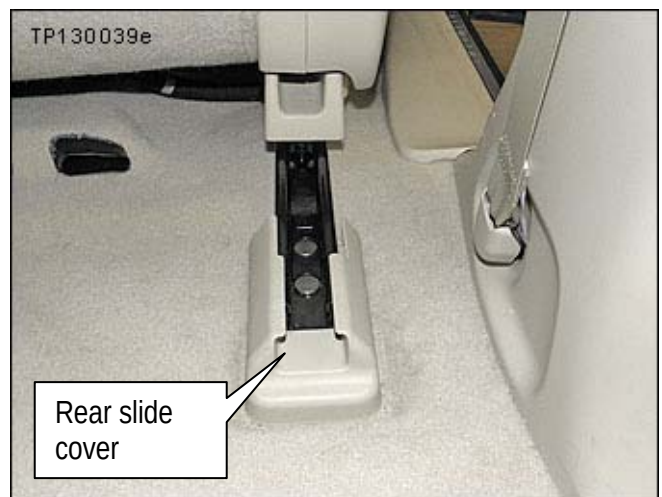


Figure 40

55. Reset the radio settings.

56. Reset the customer preferred settings for the Automatic Air Conditioning System.

- If needed, refer to System Settings in the HAC section of the Service Manual.

57. Reinitialize and check Anti-Pinch Function for all Auto-UP power windows:

Reinitialize:

- a. Turn the ignition ON.
- b. Operate the power window switch to fully open the window (all the way down).
- c. Hold the window switch UP until the window is completely closed; continue holding after the glass stops at the fully closed position for 2 seconds or more.
- d. Check that AUTO-UP function operates normally.

Check Anti-Pinch Function:

- a. Fully open the door window glass (all the way down).
- b. Place a piece of wood near the fully closed position.
- c. Close door window glass completely with the AUTO-UP switch.
- d. Check the following conditions:
 - Check that glass lowers for approximately 150 mm (5.9 in) without pinching the piece of wood and stops.
 - Check that glass does not rise when operating the power window main switch, while the window is lowering after hitting the wood.

CAUTION: Do not check the anti-pinch function with hands or other body parts because they may be pinched.

58. Inform the customer of the following:

- They will need to reset their Automatic Drive Positioner settings.
- Some memory settings in the navigations system may need to be reset.

59. Perform Zero Point Reset with CONSULT-III plus; next page.

Zero Point Reset

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.
 - Seatback in the standard upright position.
 - 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. Open/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).

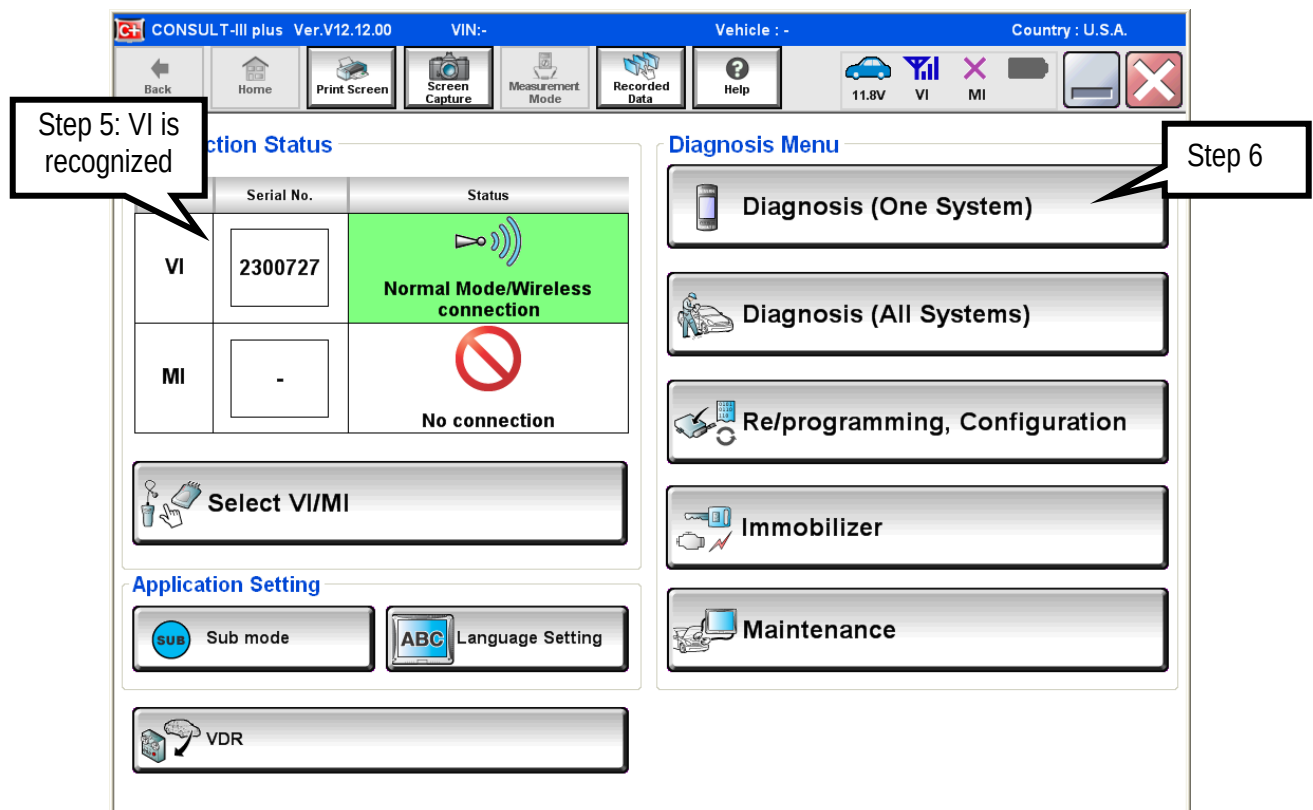


Figure Z1

7. Select OCCUPANT DETECTION.

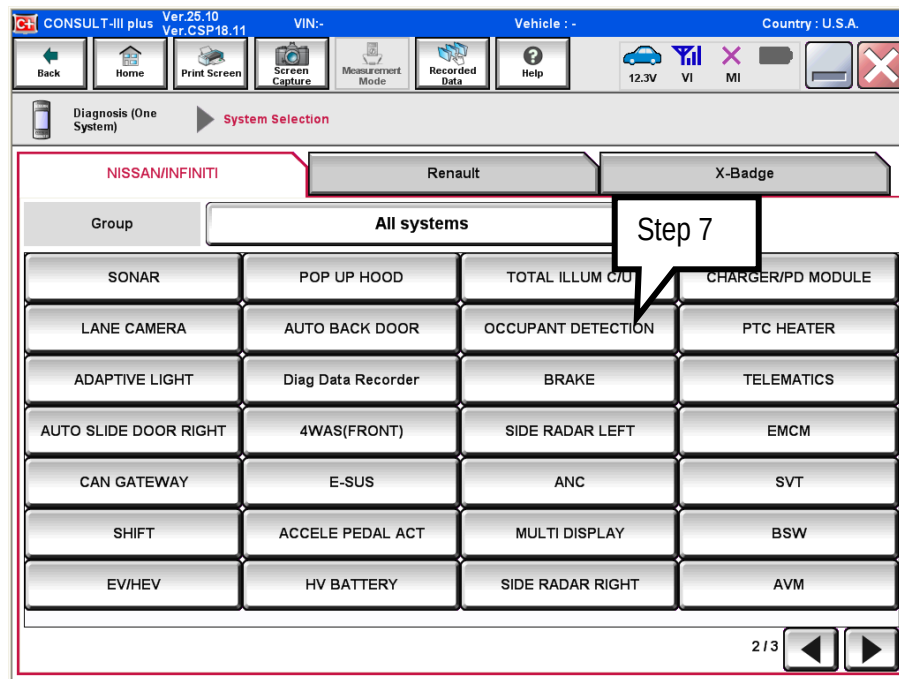


Figure Z2

8. Wait for System Call to complete.

9. Select Zero point reset function.

10. Select Start.

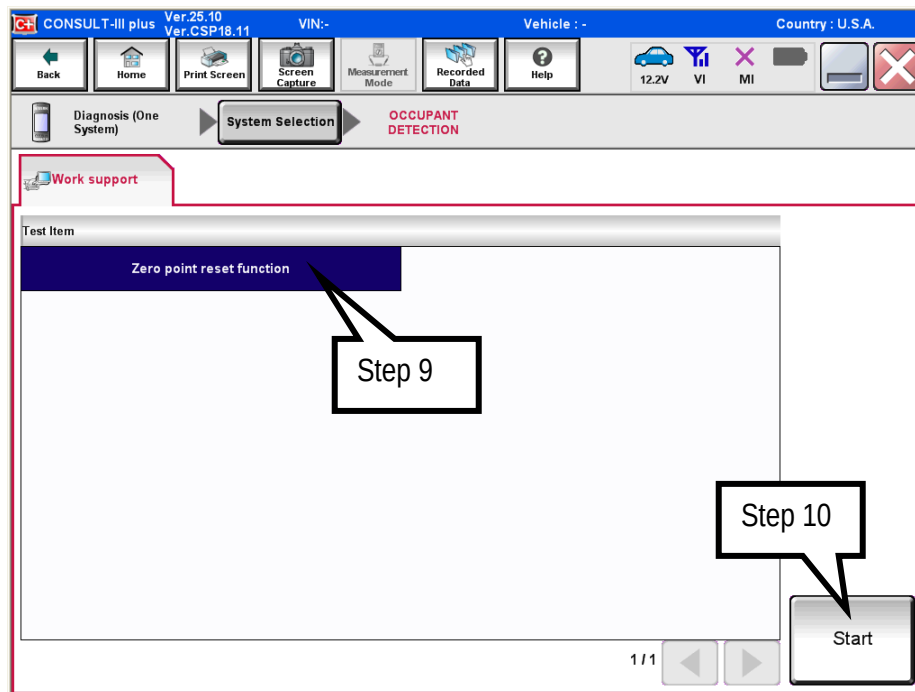


Figure Z3

11. Select Next.

The screenshot shows the CONSULT-III plus software interface. The top bar includes the title 'CONSULT-III plus Ver.25.10 Ver.CSP18.11', fields for 'VIN:-' and 'Vehicle :-', and 'Country : U.S.A.'. Below the title bar is a navigation menu with icons for Back, Home, Print Screen, Screen Capture, Measurement Mode, Recorded Data, Help, 12.1V, VI, MI, and a red X icon. The main menu shows 'Diagnosis (One System)' selected, with 'System Selection' and 'OCCUPANT DETECTION' as sub-options. The main content area is titled 'Work support : Zero point reset function'. It features a large grey box with a callout 'Step 11' pointing to a 'Next' button. Below this are two input fields: 'Current status' with the text 'Waiting for your operation...' and 'Zero point reset current status'. An 'End' button is located at the bottom right.

Figure Z4

12. Select Start.

The screenshot shows the CONSULT-III plus software interface. The top bar includes the title 'CONSULT-III plus Ver.25.10 Ver.CSP18.11', fields for 'VIN:-' and 'Vehicle :-', and 'Country : U.S.A.'. Below the title bar is a navigation menu with icons for Back, Home, Print Screen, Screen Capture, Measurement Mode, Recorded Data, Help, 12.1V, VI, MI, and a red X icon. The main menu shows 'Diagnosis (One System)' selected, with 'System Selection' and 'OCCUPANT DETECTION' as sub-options. The main content area is titled 'Work support : Zero point reset function'. It features a large grey box with a callout 'Step 12' pointing to a 'Start' button. The text inside the grey box reads: 'Start zero point reset. Check the following
-Do not put any object on the passenger seat.
-Do not sit on the passenger seat.
-The seat back is in the standard position.
After checking, touch "START".'. Below this are two input fields: 'Current status' and 'Zero point reset current status' with the text 'Already performed'. An 'End' button is located at the bottom right.

Figure Z5

NOTE: Zero Point Reset must performed even if:

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

13. Wait for Zero Point Function to complete.

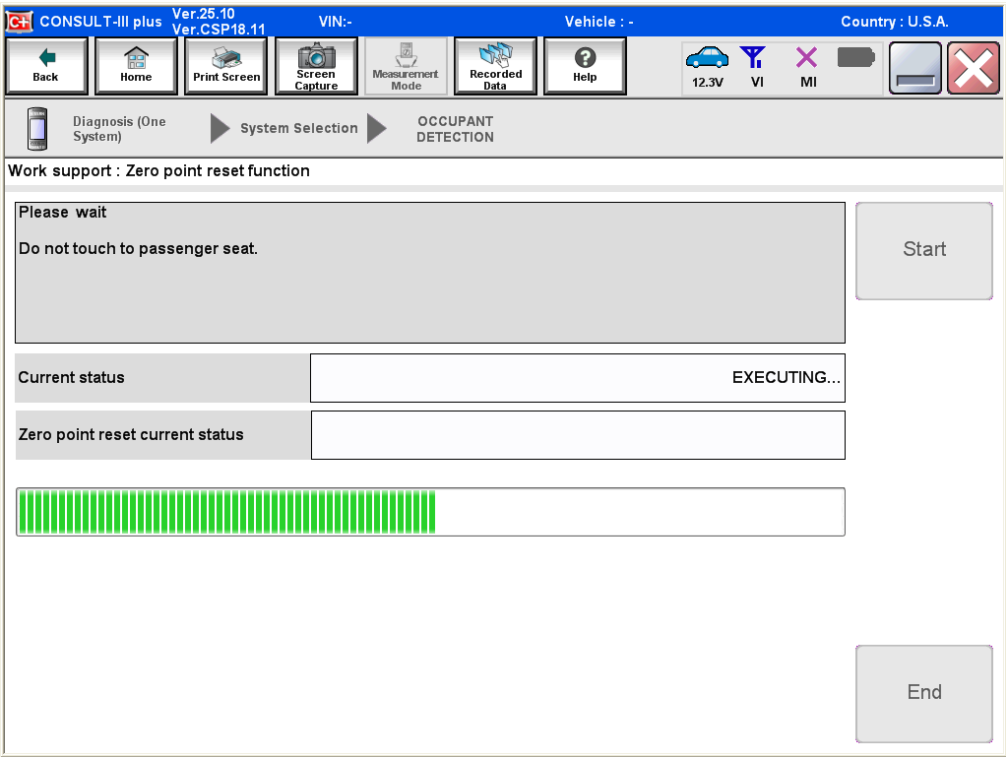


Figure Z6

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

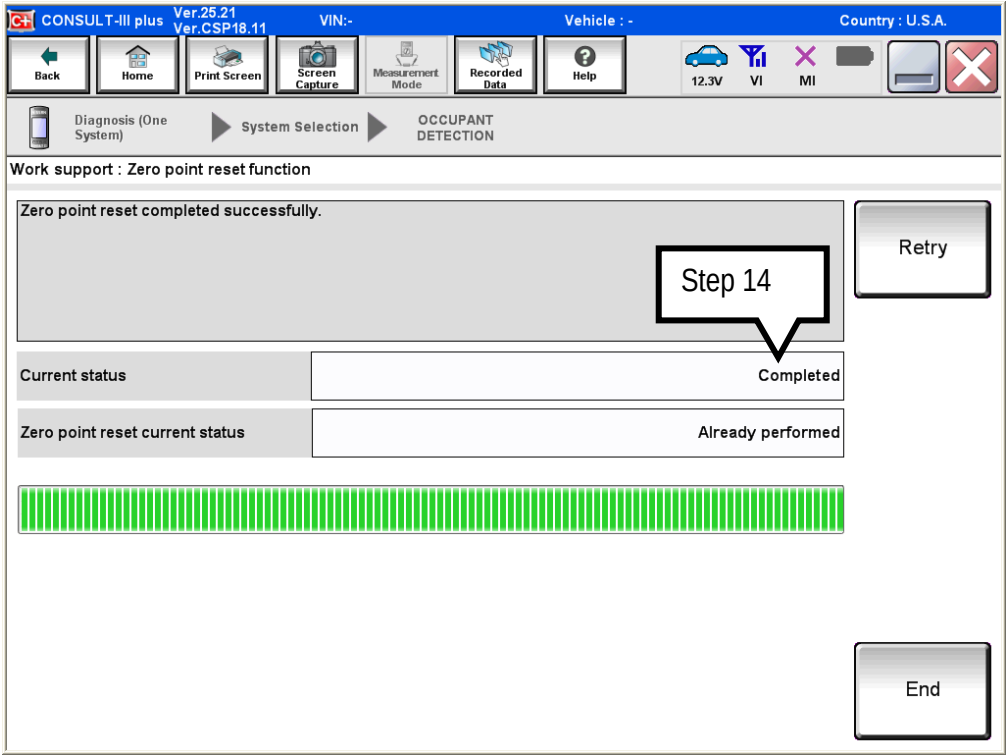


Figure Z7

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

16. 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 Campaign (CM) line claim using the following claims coding:

CAMPAIGN ID #	DESCRIPTION	OP CODE	FRT
PC217	Replace Two (2) OCS Sensors Without Climate Control Seat	PC2170	1.5 hrs.

OR

CAMPAIGN ID #	DESCRIPTION	OP CODE	FRT
PC217	Replace Two (2) OCS Sensors With Climate Control Seat	PC2171	1.7 hrs.

