

ECALL CAMPAIGN BULLETIN

NTB13-033

Reference:

April 2, 2013

VOLUNTARY SAFETY RECALL CAMPAIGN 2013 ALTIMA OCS SENSORS

 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 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 passanger seat and disconect the rear hinge cover.
 - The rear hinge cover is attacted under the seat with an elastic strap.



Figure 1

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

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

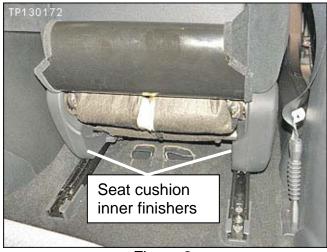


Figure 2

a. Remove 3 screws from the finishers (see Figure 3).

- 2 from the left side
- 1 from the right side.

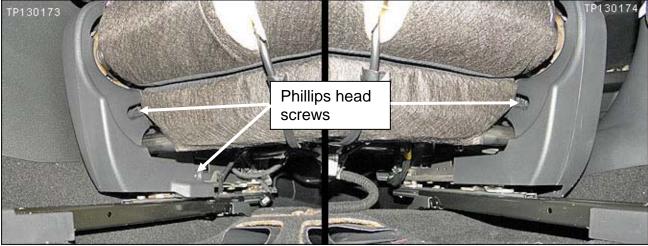


Figure 3

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.



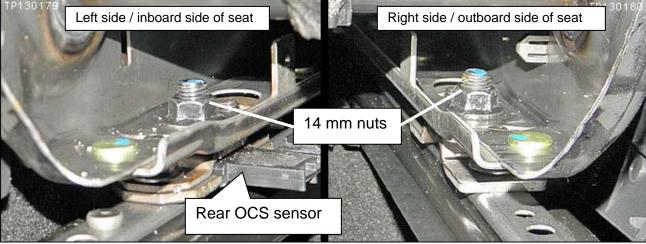
Figure 5

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



NOTE: These nuts will <u>not</u> be reused.

Figure 6

6. From under the <u>front</u> of the passenger seat, remove the 14 mm nuts from the front of the seat frame (see Figure 7).

NOTE: These nuts will <u>not</u> be reused.

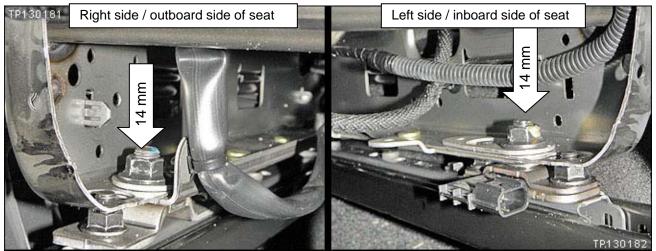


Figure 7

7. Replace the <u>front</u> 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.

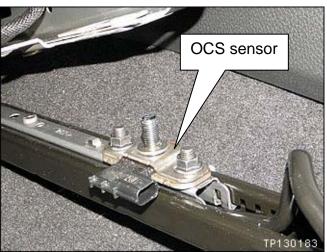


Figure 9

8. Replace the <u>rear</u> 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.

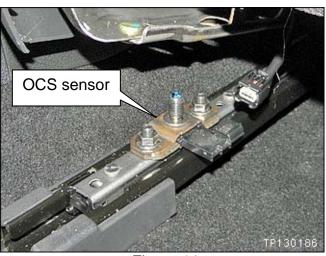


Figure 11

- 9. From under the rear of the seat, install both <u>rear</u> 14 mm nuts <u>finger tight only</u> (see Figure 12).
 - Use new nuts.

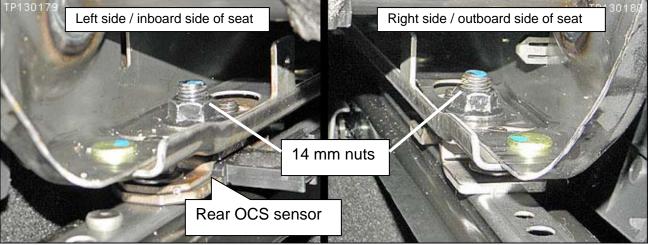


Figure 12

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 <u>outboard</u> 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).

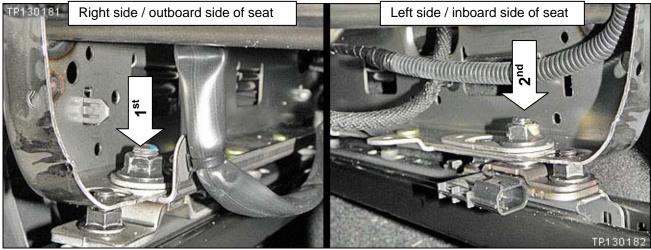


Figure 13

11. From under the <u>rear</u> 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).

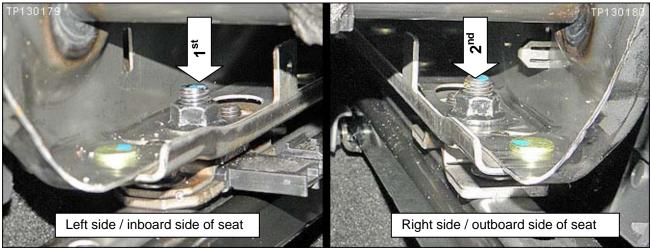


Figure 14

12. Connect the electrical connectors for both OCS sensors.

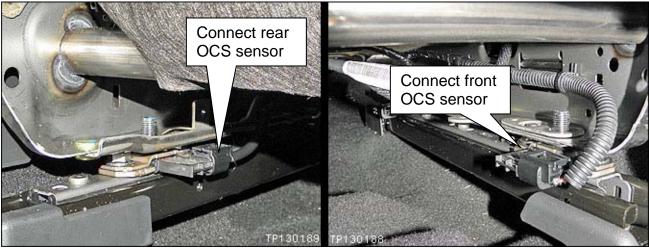


Figure 15

- 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.

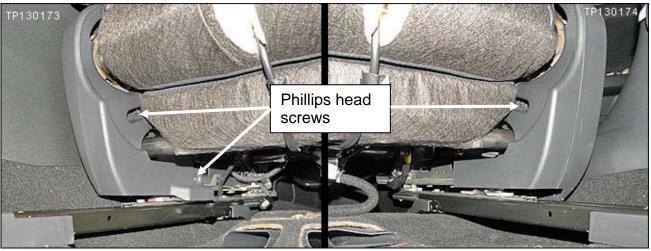


Figure 16

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. 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).

	💽 CONSU	LT-III plus V	er.V12.12.00	VIN:-			Vehicle :			Co	ountry : U.S.A.		
	H Back	Home	Print Screen	Screen Capture	Measurement Mode	Recorded Data	P Help	(11.8V	Yil Vi	X I			
Step 5 recog		ction Stat		Sta	tue		Diagnosis				4		Step 6
	VI	230072	27	Δ))) Ie/Wireless			gnosis (C gnosis (A]	
				No coni	nection		🎸 📴 Re/	programn	ning,	Confi	guration]	
		Select V					⊶∎ ⊖ ∕ Imn	nobilizer]	
		tion Settir Sub mode		ABC	guage Settin	g	de Mai	intenance	;]	
		VDR											
	1						74						

Figure Z1

7. Select OCCUPANT DETECTION.

Back	Jiagnosis (One	0 Vi P18.11 Vi Screen Screen System Select	n Measurement Recc Mode Da	Vehicle : -	12.3V	VI MI	Country : U.S.A.	
	NISSAN/INFINITI Renault X-Badge							
	Group		All system	ns	Step 7			
	SONAR		POP UP HOOD	TOTAL ILLUM C/U		CHARGER/PD MODULE		
	LANE CAMERA		TO BACK DOOR	OCCUPANT DETECTION		PTC HEATER		
	ADAPTIVE LIGHT		g Data Recorder	BRAKE		TELEMATICS		
AUTO	SLIDE DOOR RIGI	нт 🚺 4	4WAS(FRONT)	SIDE RADAR LEFT		ЕМСМ		
	CAN GATEWAY		E-SUS	ANC		SVT		
	SHIFT		CELE PEDAL ACT	MULTI DISPLAY		BSW		
	EV/HEV	Ì	HV BATTERY	SIDE RADAR RIGHT		AVM		
	2/3							

Figure Z2

8. Wait for System Call to complete.

9. Select Zero point reset function.

10. Select Start.

CONSULT-III plus Ver.25.10 Ver.CSP18.1	1 VIN:-	Vehicle : -		Country : U.S.A.
Back Home Print Screen		Recorded Data	12.2V VI MI	
Diagnosis (One System)	stem Selection			
Work support				
Test Item				
Zero point reset fo	unction			
	<u> </u>			
	Step	9		
				Step 10
				Start
			1/1	
<u></u>				

Figure Z3

11. Select Next.

CONSULT-III plus Ver.25.10 Ver.CSP18.11	VIN:-	Vehicle : -	Country : U.S.A.
Rack Home Print Screen SC	reen Measurement Mode Recorded Data	Image: Weight Help Image:	MI
Diagnosis (One System Se System)	lection OCCUPANT DETECTION		
Work support : Zero point reset function			
		Step 11	Next
Current status		Waiting for your op	eration
Zero point reset current status			
			End
,	F :	7 4	

Figure Z4

12. Select Start.

CONSULT-III plus Ver.25.10 Ver.CSP18.11	VIN:-	Vehicle : -	Country : U.S.A.
Rack Home Print Screen Sc	reen oture Mode Recorded Data	Image: Weight Help Image: Weight Help	× • 📄 🥁
Diagnosis (One System Se System)	lection OCCUPANT DETECTION		
Work support : Zero point reset function			
Start zero point reset. Check the follo -Do not put any object on the passen -Do not sit on the passenger seat. -The seat back is in the standard pos After checking, touch "START".	ger seat.	Step 12	Start
Current status			
Zero point reset current status		Aiready pe	rformed
			End

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 Function to complete.

CONSULT-III plus Ver.25.10 Ver.CSP18.11 Back Home Print Screen	VIN:-	Vehicle : -	Country : U.S.A.
Diagnosis (One System) System St	election OCCUPANT DETECTION		
Work support : Zero point reset function	1		
Please wait Do not touch to passenger seat.			Start
Current status		EXEC	CUTING
Zero point reset current status			
	Figure		End

Figure Z6

14. Make sure that "Current status" is **Completed**.

CONSULT-III plus Ver.25.21 Ver.CSP18.11	VIN:-	Vehicle : -	Country : U.S.A.
Back Home Print Screen	Screen Capture	Image: Weight Help Image: Weight Help	× • • • •
Diagnosis (One System) System	Selection OCCUPANT DETECTION		
Work support : Zero point reset function	'n		
Zero point reset completed successfu	ılly.		
		Step 14	4
Current status		Co	mpleted
Zero point reset current status		Already pe	rformed
			End

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 then replacement of the OCS sensors are not coved 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.