SB-10052202-8624 **Technical Bulletin**



Classification:

ERVICE BULLETIN Reference:

RS13-010

NTB13-055

May 17, 2013

Date:

AIR BAG AND SEAT BELT WARNING LIGHTS INCORRECT INDICATION

APPLIED VEHICLES: 2011 – 2013 Quest (E52) 2011 – 2013 Juke (F15) 2009 - 2013 Cube (Z12)

IF YOU CONFIRM

One or more of the following conditions:

- Front passenger air bag status light is ON (illuminated) with the front passenger seat empty.
- Front passenger air bag status light is ON (illuminated) with an adult* sitting in the front passenger seat.
- Seat belt warning light is ON (illuminated) with the front passenger seat empty (driver seat belt is buckled).
- Supplemental air bag warning light is flashing but no Air Bag DTCs are stored.
 - * The front passenger air bag is designed to automatically turn OFF under some conditions. Refer to the appropriate Vehicle Owner's Manual for complete information on proper use of the front passenger seat.



Nissan Bulletins are intended for use by gualified 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.

ACTION

- 1. Visually check the front passenger seat and seat rails for any structural damage.
 - If any structural damage is found, this bulletin does not apply.
- 2. Visually check the front passenger seat for any items in the seat pockets, or any items on, under, or hanging from the seat (front, back, and sides).
 - If any items are found, remove the items and recheck the incident before proceeding.
- 3. Replace the OCS control unit.
- 4. Perform Zero Point Rest and check for DTCs.

IMPORTANT: The purpose of ACTION (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the <u>entire</u> SERVICE PROCEDURE as it contains information that is essential to successfully completing this repair.

PARTS INFORMATION

MODEL	DESCRIPTION	PART NUMBER	QUANTITY
Quest		98856 – 3WS0A	
Juke	Controller Assy- Occupant sensor (OCS Control Unit)	00056 15204	1
Cube		90000 - IFKUA	

CLAIMS INFORMATION

Submit a Primary Part (PP) type line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace OCS Control Unit	(1)	RX3SAA	ZE	32	0.6

(1) Refer to the Parts Information table and use the applicable OCS Control Unit (98856-XXXXX) part number as the Primary Part (PFP).

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.

Preliminary Checks

- 1. Visually check the front passenger seat and seat rails for any structural damage.
 - If any structural damage is found, this bulletin does not apply.
- 2. Visually check the front passenger seat for any items in the seat pockets, or any items on, under, or hanging from the seat (front, back, or sides).
 - a. If any items are found, remove the items and recheck the incident before proceeding.
 - b. If the incident still occurs with items removed, continue with this procedure.

Preparation for Replacing OCS Control Unit

Presets	1		2	3	4	5	6
АМ							
FM 1							
FM 2							
SAT 1							
SAT 2							
Bass		Trebl	е	Balance	Fade	Speed Vol.	Sen.

1. Write down the radio settings.

- 2. **If equipped**; 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. Turn the ignition OFF.
- 4. Go to <u>Replace OCS Control</u> Unit on the next page:

Quest: Replace OCS Control Unit:

1. Disconnect both battery cables, negative cable first.

CAUTION: Wait at least 3 minutes before disconnecting any air bag electrical connectors.

- 2. Remove the front passenger seat cushion front finisher and unhook the front of the cushion trim.
 - If needed, refer to the SE section of the appropriate Service Manual.
- 3. Replace the OCS control unit with the one listed in the Parts Information (see Figure 1).
- 4. Re-hook the front of the seat cushion trim and reinstall the seat cushion front finisher.
- 5. Reconnect both battery cables positive cable first.
- 6 Go to <u>Reset Vehicle Settings</u> on the next page.

Cube and Juke: Replace OCS Control Unit:

1. Disconnect both battery cables, negative cable first.

CAUTION: Wait at least 3 minutes before disconnecting any air bag electrical connectors.

- 2. Replace the OCS control unit with the one listed in the Parts Information (see Figure 2).
 - Access the OCS control unit from under the front of the front passenger seat.
- 3. Reconnect both battery cables positive cable first.
- 4. Go to <u>Reset Vehicle Settings</u> on the next page.



Figure 1



Figure 2

Reset Vehicle Settings:

- 1. Reset the clock in the combination meter.
- 2. Reset the radio settings.
- 3. If equipped; check/reset the clock in the navigation system.
- 4. **If equipped**; 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.
- 5. Inform the customer:
 - If equipped; some memory settings in the navigation system may need to be reset.
 - If equipped; Automatic Drive Position (ADP) settings will need to be reset.
- 6. Reinitialize and check the Anti-Pinch Function for all <u>Auto-UP</u> power windows:

Reinitialize:

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

Check Anti-Pinch Function

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

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

7. 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).

	JLT-III plus Ver.V12.	.12.00 VIN:-		Vehicle : -		Country : U.S.A	
4 Back	Home Print S	Screen Capture Me	asurement Mode Recorded	() Help	11.8V VI	х 🗭 📄	$\mathbf{\times}$
Step 5: VI is recognized	ction Status –			Diagnosis Menu	1		Step 6
VI	Serial No. 2300727 -	Status	Vireless on	Diagnos	sis (One S sis (All Sys gramming,	ystem) stems) Configuration	
Applica	Select VI/MI Ition Setting Sub mode	ABC Languag	ye Setting	السسمەن السسمەن ساھىلەر مەلسەر مەلسە سەر مەلسەر مە	lizer nance		
	VDR						

Figure Z1

7. Select OCCUPANT DETECTION.

CONSULT-III plus Ver.25.10 Ver.CSP18.1 Back Home Print Screen	1 VIN:-	Vehicle : -	Country : U.S.A.
Diagnosis (One System) System	stem Selection		
NISSAN/INFINITI	Rer	nault	X-Badge
Group	All system	^{ns} Ste	ep 7
SONAR	POP UP HOOD	TOTAL ILLUM CIU	CHARGER/PD MODULE
LANE CAMERA	AUTO BACK DOOR	OCCUPANT DETECTION	PTC HEATER
ADAPTIVE LIGHT	Diag Data Recorder	BRAKE	TELEMATICS
AUTO SLIDE DOOR RIGHT	4WAS(FRONT)	SIDE RADAR LEFT	ЕМСМ
CAN GATEWAY	E-SUS	ANC	SVT
SHIFT	ACCELE PEDAL ACT	MULTI DISPLAY	BSW
EV/HEV	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.CSP18.11	VIN:-	Vehicle : -	Country : U.S.A.
Back Home Print Screen	Screen Capture	d Rep 12.2V	1 × • •
Diagnosis (One System)	Selection OCCUPANT DETECTION		
Work support			
Test Item			
Zero point reset functi	on		
	L	1	
	Step 9		
			Step 10
L		1/1	Start

Figure Z3

11. Select Next.

CONSULT-III plus Ver.25.10 Ver.CSP18.11 Back Home Print Screen Sc	VIN:- Teen pture Mode Recorded Data	Vehicle : - Help 12.1V VI	Country : U.S.A.
Diagnosis (One System) System Se	lection OCCUPANT DETECTION		
Work support : Zero point reset function			
		Step 11	Next
Current status		Waiting for your ope	eration
Zero point reset current status			
			End

Figure Z4

12. Select Start.

CONSULT-III plus Ver.25.10 Ver.CSP18.11	VIN:-	Vehicle : -	Country : U.S.A.
Back Back Print Screen	reen Mode Recorded Data	Image: Weight of the second	× 🖿 🔜 🔀
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".	wing ger seat. ition.	Step 12	Start
Current status			
Zero point reset current status		Already pe	erformed
]
			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	VIN:-	Vehicle : -	(••••••••••••••••••••••••••••••••••••	Country : U.S.A.
Diagnosis (One System) System Se	Iection OCCUPANT DETECTION	12.3V	VI WI	
Work support : Zero point reset function				
Please wait Do not touch to passenger seat.				Start
Current status		E	XECUTING	
Zero point reset current status				
				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 Back Print Screen	reen Measurement Mode	Image: Weight of the second	× • • • •
Diagnosis (One System Se System)	lection OCCUPANT DETECTION		
Work support : Zero point reset function			
Zero point reset completed successfull	ſ.	Step 14	Retry
Current status		Com	pleted
Zero point reset current status		Already per	formed
			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

- If there are no Air Bag DTCs stored; go to the next step.
- If there are <u>Air Bag DTCs stored</u>; refer to ASIST and the Service Manual for additional diagnostic and repair information. Stored DTCs are not covered by this bulletin.

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 bulletin. Refer to ASIST and the appropriate Service Manual for additional diagnostic and repair information.