

SERVICE BULLETIN

Classification: BR14-006 Reference:

ITB14-051

COPYRIGHT© NISSAN NORTH AMERICA, INC. Date:

October 31, 2014

SB-10056785-5922

2013-2014 JX35/QX60; FCW MALFUNCTION AND DTC C1A27 STORED

APPLIED VEHICLES: 2013 JX35 (L50) equipped with Intelligent Cruise Control 2014 QX60 (L50) equipped with Intelligent Cruise Control NOTE: Does not apply to Hybrid models

APPLIED DATE: AWD models built before May 6, 2014 FWD models built before August 11, 2014

IF YOU CONFIRM

All of the following:

- The FCW (Forward Collision Warning) malfunction is ON or reported to have been ON, and
- DTC C1A27 (ECD POWER SUPPLY CIRCUIT) is stored (Past or Current),

and

• The brake fluid level is normal.



Figure A

NOTE: C1A27 is an ICC (Intelligent Cruise Control) DTC.

ACTION

Reprogram the ABS control unit (ABS) per the Service Procedure in this bulletin.

• Part of the Service Procedure, step 20 on page 8, is a confirmation that reprogramming is needed to resolve the above incident.

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.

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 retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

IMPORTANT: Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized to the current date.
- All CONSULT-III plus (C-III plus) software updates (if any) have been installed.

NOTE: The CONSULT PC automatically gets applicable reprogramming data during ASIST synchronization.

- A screen print for Warranty documentation can be done from the CONSULT PC during this process while still connected to the vehicle.
- No DTCs stored.
 - o Use C-III plus to perform Self Diagnosis for all systems.
 - If there are any DTCs other then C1A27, diagnose, perform repairs, and erase DTCs **before** continuing.
 - o It only DTC C1A27 is stored, erase DTC before continuing.
- 1. Connect the plus VI to the vehicle.

CAUTION: Make sure the plus VI is securly connected. If the plus VI connection is loose during reprogramming, the process will be interrupted and the the control unit may be damaged.

2. Connect the AC Adapter to the CONSULT PC.

CAUTION: Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and the control unit **may be damaged**.

3. Connect the GR8 and set to "Power Supply" mode.

CAUTION: Be sure the battery charger is connected securely to the battery. Make sure the battery voltage stays between <u>12.0V and 15.5V</u> during reprogramming. If the battery voltage goes out of this range during reprogramming, the control unit **may be damaged**.

4. Turn OFF all external Bluetooth[®] devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI.

CAUTION: Make sure to turn off all external Bluetooth[®] devices. If Bluetooth[®] signal waves are within range of the CONSULT PC and the VI during reprogramming, reprogramming may be interrupted, and the control unit **may be damaged**.

- 5. Turn the ignition ON with the engine OFF.
 - The engine must not start or run during the reprogramming procedure.
- 6. Turn OFF all vehicle electrical loads such as exterior lights, interior lights, HVAC, blower, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc.

IMPORTANT: Make sure to turn OFF all vehicle electrical loads. Make sure the battery voltage stays between <u>12.0V and 15.5V</u> during reprogramming. If the battery voltage goes out of this range during reprogramming the control unit **may be damaged**.

- 7. Turn ON the CONSULT PC.
- 8. Select CONSULT-III plus (open C-III plus).

- 9. Wait for the plus VI to be recognized.
 - Serial number will display when the plus VI is recognized.

	G CONSULT-III plus Ve	r.V12.12.00 VIN:-	Vehicle : -	Country : U.S.A.
	Back Home	Print Screen Capture Mode	Recorded Help 11.8V	
	Connection State	ls	Diagnosis Menu	
	Serial No.	Status	📄 🗍 Diagnosis (Or	ne System)
Plus VI is	230072	7		
Teeognized			Diagnosis (Al	l Systems)
	мі -			
		No connection	Re/programm	ing, Configuration
	Select VI	/МІ	Immobilizer	
	Application Setting	G	g Maintenance	
	VDR			
1	-	F	Figure 1	

10. Select Re/programming, Configuration.

🔂 CONSU	ILT-III plus Ver.V12.1	2.00 VIN:-		Vehicle : -		Country : U.S.A.		
Back	Home Print Sc	reen Capture Mode	Recorde Data	ed Help	11.8V VI	× • •	$\mathbf{\mathbf{x}}$	
Conne	ction Status —			Diagnosis Menu	u			
	Serial No.	Status		Diagno	sis (One S	system)		
VI	2300727	Normal Mode/Wireless connection		Diagno	sis (All Sy	vstems)		
м	-	No connection		Re/prog	gramming	, Configuration		Step 10
800	Select VI/MI			Immobi	lizer			
	tion Setting Sub mode	Language Setting		Mainter	nance			
	VDR							

Figure 2

- 11. Use arrows (if needed) to view and read all precautions.
- 12. Check the box confirming the precautions have been read.
- 13. Select Next.

	Image: Back Image: Back	
	Re/programming, Configuration	
	Precaution	
	Operating suggestions for reprogramming, programming and C/U configration: Please review the all of precautions, and click the "Confirm" check box after confirming the its points. And touch "Next".	
	Caution: 1. Follow the operation guide displayed on screen. 2. "Back" and "Home" button may not be used on this flow	
	-For reprogramming and programming 1. Install the latest version of the CONSULT-III plus sortware, reprogramming/programming data to this	
	CONSULT-III plus PC. 2. Preparation and read the service manual or reprogramming procedure sheet.	
	I-For ECU Configuration 1. Need to write the configuration data to new ECU, after replace it. 2. If writing the wrong configuration data, ECU can not work. Please write the right data.	
Step 12	-For ECU Configuration using manual mode 1. Confirm the vehicle's spec and its configuration spec, following the service manual. If writing the configuration data, ECU can not work. Please write the right data. 2. Operate the saving completely. Do not abort without saving data.	
	Next S	tep
	Confirmed instructions	13

Figure 3

- 14. If the screen in Figure 4 displays, select Automatic Selection(VIN).
 - If the screen in Figure 4 does not display, skip to step 15.



Figure 4

- 15. Verify the VIN or Chassis # matches that of the vehicle.
- 16. If the correct VIN is displayed, select **Confirm**.

	CONSULT-II plus Ver.31.11 VIN	Vehicle : -	Country : United States
	Reth Rome Print Screen Capture	Henserweit Mode Data	🔀
	Configuration Vehic	Vehicle Confirmation	
	Please confirm selected information and to touch "Change".	uch "Confirm". In case you want to select another vehicle,	
Vorify			
here	VIN or Chassis #	JN8CS1MUGEM	
	Vehicle Name :	INFINITI QX60	
	Model Year	2014	
		1/1 🔳 🕨	
			Change
		If OK, select Confirm	Confirm
			

Figure 5

17. Select **Confirm** again.

Back	Home Print S	creen Capture	Measurement Mode	Recorded Data	e Help	11.8V		K III	
Con	ogramming, figuration	Vehic	le Confirmation	Ing	out VIN	System	Selectior		4/6
Input VIN									
Enter the VIN According to CONSULT, V	I number, and this operation IN number you	touch ''Confirr in case of spe input is saved	ו". cified operation as file name. Th	that require nerefore, cor	s to save ECU nfirm VIN numb	informatic er correct	n into y.		
	NISSAN WOTOR CO 意义大 Troo Comments Co Comments Co Co Co Co Co Co Co Co Co Co	LTD JAPAN 3456 30 C C 21 Diapan 24 mar + ama 24 mar + ama 25 mar + ama 25 mar + ama 26 mar + ama 27 mar + ama 27 mar + ama 28 mar + ama 29 mar + ama 20 mar	SAX MOTOR IBERICA, S.A. WR51U0123456) 1- 1- 1- 00005/Mar Freedomar 7	JN1BAUJ3220123 体型 策測理 学校 策測理 によう 変別理 活用 年月 活用 年月 2011 年 月 101 (同元仁仁 限公う		6			
VIN (17 or	18 digits)	N 18E 1991 /		0814					
							Step 17		Confirm



18. Select ABS.

• Use the scroll arrows as needed.

CONSULT-II plus Ver.01.11 VIN.		Vehicle.		Country : United States
Back Renne Print Screen Capture	Becarde Bata	- O	12.AV VI M	: 🗕 🔜 🔀
Configuration	put VIN	ystem Selection	Operation Selection	5/5
System Selection				
in case ECU you want to operate is not lister	d below, the vehicle o	r model year might	be selected wrong.	
ENGINE	METER	M&A	ļ ,	IVAC
MULTI AV	Sten	N		AVM
EPS/DAST 3	18	AR	TRAN	SMISSION
ABS	CAN GAT	EWAY]	
IPDM E/R	AIR B	AIR BAG Scroll arrows		rows
				1/1
		_		

Figure 7

19. Wait for System Call to complete and then select **Reprogramming**.



- 20. When you get to the screen shown in Figure 9, confirm reprogramming applies as follows:
 - a. Find the ABS Part Number and write it on the repair order.

NOTE: This is the current ABS Control Unit Part Number.

	CONSULT-II plus Ver3121	VIN. VI	hiele I	Country : United States	
	auk Rome Pitel Loren	Torsen Gater			
	Sol Raiprogramming.	Operation Selection Save ECU	Data	Þ 7/7	
	Save ECU Data				
	Touch "Save" to save operation Operation log helps to restart ne after operation has completely fin	log and the current part number as listed t operation by selecting suitable operations inhed.	I below to CONSULT. In log. Operation log is erased	-	
	File Label	JNBCS	JN8CS1MU6EM		
	Operation	REPRO	REPROGRAMMING		
Current Part	System	A			
Number	Part Number	4766	47660		
	Vehicle	INFIN	INFINITI QX60		
	VIN	JNBCS1			
	Date	6/18/201	If OK, select Save	Save	
	L	Figure 9			

- b. Compare the P/N you wrote down to the numbers in the Current Part Number column of Table A below:
 - If there is a <u>match</u>, this bulletin <u>applies</u>. Continue with the reprogramming procedure on the next page.
 - If there is <u>not a match</u>, this bulletin <u>does not apply</u>. Close C-III plus and check ASIST for further diagnostic and repair information.

Tabl	е	А
------	---	---

MODEL	CONTROL UNIT	CURRENT PART NUMBER: 47660-
		3JA1D, 3JA2D
2013 JX35	ADC	3JU1D, 3JU2D
2014 QX60	ADS	3JA1B, 3JA2B
		3JU1B, 3JU2B

c. If there is a part number match as specified above, select **Save** and then continue with the reprogramming procedure on the next page.

- 21. Use arrows (if needed) to view and read all precautions.
- 22. Check the box confirming the precautions have been read.
- 23. Select Next.

CONSOLT-III plus Vel.V10.12.00	VIN.SIN IAZ4ETTAAWIS01204	Venicle : 3702 234 2010	Country . O.S.A.	
Back Rome Print Screen	Screen Capture	Image: Weight of the second	VI MI 🗭 🦲 🔀	
Re/programming, Configuration	Save ECU Data	recaution Select Pro	gram Data]
Precaution				
Operating suggestions:				
usable.	is unsuccessful, ECU software h	hay be damaged and ECU is i	no longer	
Please review the all of precautions	s, and click the "Confirm" check I	box after confirming the its po	pints.	
4. DO NOT set the A/C timer or A/C	C remote control system.			
<during reprogramming=""></during>				
Never touch the CONSULT-III plus Never depress the brake pedal or	components to prevent cable di turn the steering wheel.	sconnection.		
Never open each door or trunk rid.				
		Г	Step	
			21	
Ч				
		0/2	Next 🧲	
Confirmed instructions		272		
<u> </u>	Figure	10		_
	riguie	10		

- 24. Read the Current Part Number and Part Number After Reprogramming. They should be different.
- 25. Select Next.

CONSULT-II plus Ver.31.11 Ver.CSP19.10	VIN	Vehicle :		Country : United States
tat Cost	Minera Mode	Recorded Note	13.NV VI MI	-
Reprogramming.	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
Confirm the detail listed below, and to in case the screen to select reprogip vehicle. In case the part number after reprogr selection, VIN and reprog/programmin	ouch "Next" if OK. ogramming data is I amming is wrong to g data in CONSULT.	NOT displayed, only one data such "Re-select", and confirm	is available for this the vehicle	1
Part Number After Reprolprogramming		47660.	>	
Current Part Number		47660.	>	
Vehicle		INFINITI QX60		
VIN		JN8CS1MU6EM		
System		ABS		
Other Information		L63H_ST1		Re-select
Expected time to finish relprogrammin	0	Verify P/N above, the select Nex	s sen st	Next
		· · · · ·		

Figure 11

26. Confirm battery voltage is correct, and then select Next.

NOTE: Battery voltage must stay within the specified range to make the indicator turn green.

CONSULT-III plus Ver.V14.11.00 VIN:	Vehicle : LEAF 75	Country : U.S.A.
Back Reme Print Screen Screen Mode	ert Recorded Data	🚗 🦊 X 🖿 📃 🔀
Re/programming, Configuration	Select Program Data	Con hicle 10/11
Confirm Vehicle Condition		
Operate according to the following procedures.		Monitor 12V battery voltage
1 Remove the terminal case of battery and connect batt	on abarger to battery	here
2 Adjust the battery charger output so that the vehicle b 13.5V. The vehicle battery voltage is shown on the top	attery voltage is between 12.0V and -right of this screen Must	the
3	"Groon"	before
Confirm the RESULT is OK, touch "Next".	selectin	g Next
		Next
Result		
	Figure 12	

- 27. With battery voltage OK (green), select Start.
 - The reprogramming process begins when Start is selected.

IMPORTANT: Battery voltage must stay between **12.0 and 15.5 Volts** during reprogramming or METER reprogramming may be interrupted and the control unit may be damaged.

Reprogramming, Configuration Infirm Vehicle Condition onfirm the vehicle condition as li hen, confirm that judgment for all ut of range, reprogramming or pro-	Select Progra	m Data	Melp Policie Condition	sz.tv vi MI	
Revergeramming, Configuration Infirm Vehicle Condition	Select Progra	m Data	Condition	Trans	
onfirm Vehicle Condition confirm the vehicle condition as if hen, confirm that judgment for all ut of range, reprogramming or pro-	and halfs				ion ion
	sted below, set items indicate (gramming may	the vehicle cor OK, and touch " stop.	ndition correctly. Start". In case the vehi	Icle condi bat	onitor 12V tery voltage here
Monitor Item	Value	UNE	Autyrent	Condition	
BATTERY VOLTAGE	12.0	v	OK		
				Step	Start

Figure 13

28. Wait for both progress bars to complete.



Figure 14

29. When the screen in Figure 15 displays, the reprogramming is complete.

NOTE: If the screen in Figure 15 does <u>not</u> display (reprogramming does <u>not</u> complete), refer to the information on the next page.

- 30. Disconnect the battery charger from the vehicle.
- 31. Select Next.



Figure 15

NOTE: DTC Erase must be performed before C-III plus will provide the final reprogramming confirmation report. Continue with the reprogramming procedure on page 13.

Control Unit Recovery:

Do not disconnect plus VI or shut down CONSULT-III plus if reprogramming does not complete.

If reprogramming does <u>not</u> complete and the "!?" icon displays as shown in Figure 16:

- Check battery voltage (12.0–15.5 V).
- Ignition is ON, engine OFF.
- External Bluetooth[®] devices are OFF.
- All electrical loads are OFF.
- Select <u>retry</u> and follow the on screen instructions.
- <u>"Retry" may not go through on the</u> <u>first attempt and can be selected</u> <u>more than once</u>.

	ethi vehicle	Country : North America Common
tank Anne Pint Screen Con	n Baastroott Baas A	📲 💥 🖿 🔜 🔀
Configuration	Transfer Data Confirm Result	3/3
Confirm Result		
Reprogramming or programming is not operation on this ECU. Touch "Retry" to retry reprogramming or	completed properly, but you can retry reprogiprogramm r programming.	<u>_</u>
Part number after	47560-	
Reprogiprogramming		
Reprog/programming Current Part Number	47660	
Reprogiprogramming Current Part Number Vehicle	4760	
Reprogiprogramming Current Part Number Vehicle VIN	ATREC	
Reprogiprogramming Current Part Number Vehicle VIN System	INFINITI 0X60 Select Retry	
Reprogiprogramming Current Part Number Vehicle VIN System Date	47660 INFINITI QX50 Select Retry 2013/05/05 16:06:56	Retry
Reprogiprogramming Current Part Number Vehicle VIN System Date Other Information	47660 INFINITI 0X60 Select Retry 2013/06/06 16:06:56 L53H_ST2	Retry

Figure 16

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 17:

- Check battery voltage (12.0 15.5 V).
- CONSULT A/C adapter is plugged in.
- Ignition is ON, engine OFF.
- Transmission is in Park.
- All C-III plus / VI cables are securely connected.
- All C-III plus updates are installed.
- Select <u>Home</u>, and restart the reprogram procedure from the beginning.

	and the second se	County clapto
	Direct Regrind Peter	🚓 🥐 💥 🖿 📖 🔀
Sofigition	Transfer Data	() () () () () () () () () () () () () (
Confirm Result		
Reprogramming is not completel pro .Print this screen as needed. Confirm with procedure. .Restart CONSULT with disconrection	sparty CONSULT version, IGN/Power switch position, sh og VI once, and start the reprogramming again.	it position and etc
Part number after Reprog/programming	47660	
Current part number	47660	
Current part number Valticle	47660	
Current part number Vehicle	47660	
Current part sumber Vehicle VIN System	47660 INFINITI QX60 JN8CS1MUGEM ABS	
Current part sumber Vehicle VIN System Date	47660 INFINITI QX60 JINBCS1MU6EM ABS 25/07/2011 16:30:0	 0
Current part sumber Vehicle VIN System Date Information	47660 INFINITI QX60 JN8CS1MU6EM ABS 29/01/2011 16/30/0	····

Figure 17

- 32. Erase all DTCs as follows:
 - a. Turn the ignition OFF.
 - b. Turn the ignition ON engine OFF.
 - c. Wait for DTC erase to complete.

Back	Home	Print Screen	Screen Capture	Measurement Mode	Recorded Data	P Help	1	3.6V VI	X MI	- (
1	Re/programmir Configuratior	Ig,	Confirm up E	ation Start Engine	Eras	se All DTCs	Ор	Print Resul eration Com	t <i>l</i> plete		17/18
Erase All [DTCs										
Accordir	ng to the inst	ruction below,	erase All D	TCs.							
1 Turn	ignition swite	to the ON po	sition, then <i>l</i>	All DTCs are a	automaticall	y erased.))(LOCK TO CON
C	Current statu: swit	s of ignition ch		ON							
		Tur	n ignit	ion ON	l > 0F	F > ON					

Figure 18

- 33. Verify the part number has changed (before and after reprogramming part numbers should be different).
 - a. Print a copy of the screen in Figure 19 by selecting **Print**.
 - b. Attach the copy to the repair order.
 - c. Once a copy has been printed, select **Confirm**.

CONSULT-II plus Ver.31.11 Ver.CSP19.10	VIN	Vehicle:	and the second second	Country : United States				
4 Enter Post Survey	Suren Capture	Recorded Relp	13.5V VI	' 👗 🖿 🛄 🔀				
Configuration	Erase All DTCs	Print Result / Operation Complete		14/14				
Print Result / Operation Complete								
All tasks are completed. Confirm LAN access, touch "Print" to print out this page. In case consour can not immediately access to LAN or printer, Screen Capture function is available for temporally storage of this page. Touch "Screen Capture", and save it. Screen capture data is in "CIII plus Data Folder" on desk top, and open the folder named "ScreenImages".								
Part number after Reproglprogramming	Step	47660	-					
Part number before Reprog/programming	33	47660	÷					
Vehicle		V37 INFINITI Q5	0					
VIN		JN8CS1MU6EM_	Step					
System		ABS	33a	Print				
Date		9/24/2013 9:14:12	AM					
			Step					
			33c	Confirm				
	F	igure 19						

NOTE: If you cannot print the above screen:

- a. Select Screen Capture.
- b. Name the file.
- c. Save the file in My Documents.
- A copy of the screen is now saved in the CONSULT PC. It can be retrieved and printed at a later time.
- 34. After Confirmation has completed:
 - a. Select **Home**, close C-III plus, and disconnect from the vehicle.
 - b. Close C-III plus.
 - c. Turn the ignition OFF.
 - d. Disconnect the plus VI from the vehicle.

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram ABS control unit	(1)	PX74AA	HC	32	0.4 hrs.

(1) Refer to the electronic parts catalog (FAST or equivalent) and use the appropriate ACTUATOR ASSY – ANTISKID (ABS Control Unit) part number (47660 - XXXXX) as the Primary Failed Part (PFP).