

NISSA

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Date:

ABS CONTROL UNIT CONFIGURATION / DTC C1170

NTB14-115c

This bulletin has been amended in the SERVICE PROCEDURE. A part number chart was removed. Please discard all previous versions of this bulletin.

APPLIED VEHICLES: 2013 - 2015 Altima (L33) with QR25 (4 cylinder) engine only 2015 Murano (Z52) 2014 - 2015 Rogue (T32) NOTE: Does not apply to 2014 or 2015 Rogue Select (S35)

SERVICE INFORMATION

For the Applied Vehicles above, when an ABS Actuator and Electric Unit (ABS control unit) is replaced for any reason, Configuration of the ABS Control Unit must be performed.

If Configuration is **not** performed, DTC C1170 (VARIANT CODING) will be stored.

The Service Procedure in this bulletin contains the steps for performing ABS Control Unit Manual Configuration.

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

NOTE:

Before removal of the old/current ABS control unit, use CONSULT-III plus (C-III plus) to read the ABS Control Unit "Type ID".

If you are unable to access the old/current ABS control unit with C-III plus, replace it and then skip to <u>Configuration of the New ABS Control Unit</u> on page 5.

Read "Type ID"

- 1. Connect C-III plus to the vehicle.
- 2. Turn the ignition ON.
- 3. Open / start C-III plus.
- 4. Wait for the plus VI to be recognized.
 - The serial number will display when the plus VI is recognized.
- 5. Select Diagnosis (One System).

Image: Streen Back Image: St	3 Step
Connection Status Diagnosis Menu Serial No. Status 2300727 Diagnosis (One System) Normal Mode/Wireless connection Diagnosis (All Systems) Mil One connection Diagnosis (All Systems) Mil No connection Set/Programming, Configuration	Step
Serial No. Status ep 2300727 Normal Mode/Wireless connection Diagnosis (One System) MI - No connection Second Connection MI - No connection Second Connection Second Connection Second Connection MI - No connection Second Connection	<u>-</u> ۲
2300727 Normal Mode/Wireless connection MI - No connection See Programming, Configuration	о - Т
MI - No connection - Re/programming, Configuration	
No connection Second Configuration	
Select VI/MI	וו
Application Setting	
Sub mode Maintenance	
	-
VDR	

Figure 1

6. Select ABS.

Back Home Print Screer	Screen Capture	ded a Help ERT 12.3V						
Diagnosis (One System) System Selection								
NISSAN/INFINITI/DATSUN								
Group All systems								
ENGINE	Step NSMISSION	BAC	טוט					
ABS	MULTI AV	SUB METER	AUTO SLIDE DOOR					
METER/M&A	EHS/PKB	CONVERTIBLE ROOF	PRECRASH SEATBELT					
всм	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.					
AIR BAG	EPS/DAST 3	EPS/DAST 3 e-4WD						
ICC/ADAS	IPDM E/R	LASER/RADAR	DIFF LOCK					
нуас	AIR PRESSURE MONITOR	INTELLIGENT KEY	4WAS(MAIN)/RAS/HICAS					
Sort : Default Setting			1/3					

Figure 2

7. Select ECU Identification.



Figure 3

8. Write down the ECU PART NUMBER – this is the ABS control unit "Type ID":

NOTE: This number will be used later for ABS control unit Manual Configuration.

9. Select Home.



10. Replace the ABS control unit.

• Refer to the appropriate Electronic Service Manual (ESM) for ABS control unit replacement information.

11. Go to Configuration of the New ABS Control Unit on the next page.

Configuration of the New ABS Control Unit

- 1. Connect C-III plus to the vehicle.
- 2. Turn the ignition ON.
- 3. Open / start C-III plus.
- 4. Wait for the plus VI to be recognized.
 - The serial number will display when the plus VI is recognized.
- 5. Select Re/programming, Configuration.

Conne	ction Status		Diagnosis Menu	
	Serial No.	Status	Diagnosis (One System)	
	2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)	Ste
мі		No connection	Re/programming, Configuration	
86	Select VI/MI	1	Immobilizer	
Applica	tion Setting		Maintenance	

Figure C1

- 6. Use arrows (if needed) to view and read all precautions.
- 7. Check the box confirming the precautions have been read.
- 8. Select Next.

	Back Home Print Screen Screen Messarcher Recorded Data Help 12.2V VI MI
	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 IV plue PC
	2. Preparation and read the service manual or reprogramming procedure sheet.
þ	2. Preparation and read the service manual or reprogramming procedure sheet. 3. Preparation and read the service manual or reprogramming procedure sheet. 4. For ECU Configuration 4. Need to write the configuration data to new ECU, after replace it. 4. If writing the wrong configuration data, ECU can not work. Please write the right data. 5. For ECU Configuration using manual mode 1. Confirm the vehicle's spec and its configuration spec, following the service manual. If writing the wrong configuration data, ECU can not work. Please write the right data. 4. Output: the service manual. If writing the wrong configuration data, ECU can not work. Please write the right data.

Figure C2

- 9. If the screen in Figure C3 displays, select Automatic Selection(VIN).
 - If the screen in Figure C3 does not display, skip to step 10.

Consideratio		Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic S	election(VIN)	Manual Select	tion(Vehicle Name)		
Vehicle Name :				Model Year :	Sales Chi
*MURANO Camp:P8201	JUKE	QUEST			NI
350Z	LEAF	ROGUE			IN
370Z	MAXIMA	SENTRA			
370Z Convertible	MURANO	TITAN			
ALTIMA	MURANO Cross Cabriolet	TITAN			
ALTIMA Hybrid	NISSAN GT-R	VERSA Hatchback			
ARMADA	NV	VERSA Sedan			
CUBE	PATHFINDER	XTERRA			CI
FRONTIER	PATHFINDER ARMADA	X-TRAIL	1		

Figure C3

10. Make sure **VIN or Chassis #** matches the vehicle's VIN.

11. Select **Confirm**.

Back Home Print Screen	Screen Capture	Recorded Help	🚗 퉫 🗙 12.2V VI M			
Re/programming, Configuration	Vehicle Selection	Vehicle Confirmation		1		
Please confirm selected information touch "Change".	and touch "Confirm Step 10	n". In case you want to se	elect another vehicle,			
VIN or Chassis #			26			
Vehicle Name :		37,0 2				
Model Year		2 2 0 0				
			1/1			
				Change		
			Step 11	Confirm		

Figure C4

12. Select **Confirm**.

t VIN	/programming, Configuration	Vehic	le Confirmation	Input VIN	System	Selection	
ter the \ cording NSULT,	/IN number, and to this operation VIN number you	touch "Confirm in case of spe input is saved	n". cified operation t as file name. The	hat requires to sav erefore, confirm VIN	e ECU informatio number correcti	n into y.	
	NISSAN MOTOR CO.	NIST	SAN MOTOR IBERICA, S.A.	N18AUJ3220(33A66]		-	
	o-Mark er un en til skalen ann er stal ver Gall til ver Gall til ver Gall ver G		WR51U0123456 4 4 5 1- 1- 1- 1- 1- 1- 1- 1- 1- 1-				
VIN (17	or 18 digits)		P1CM9#0	•			



13. Select ABS.

Re/programming, Configuration	Input VIN System Selection	Operation Selection		
Selection				
"system". = ECLI you want to operate is not list	ed below the vehicle or model year might b	e selected wrong		
e EGG you want to operate is not list	ee below, the vehicle of model year might b	e selected widing.		
ENGINE	AIR PRESSURE MONITOR	AIR BAG		
MULTI AV	METER/M&A	HVAC		
EPS/DAST 3	LASER/RADAR	AVM		
ABS	всм	CHASSIS CONTROL		
IPDM E/R	CAN GATEWAY	TRANSMISSION		
IPDM E/R	CAN GATEWAY	TRANSMISSION		

Figure C6

14. Select Manual Configuration.

DO NOT select Reprogramming. •



Figure C7

15. Select the correct **Type ID** number.

- If needed, use scroll arrows to find the correct number.
- Use the number you wrote down in step 8 on page 4. or
- Refer to FAST or equivalent electronic parts catalog (see Figure C9 below).
 - > Use the VIN to look up the **TYPE-ID**, **ID NO FOR VDC CONFIGURATION**.

16. Select Next.

CONSULT-III plus Ver	VIN:	Vehi	cle :		Country : Unit States	ed	
Back Home Print Screen	Screen Capture Mod	Recorded Help	ERT 12.4			\mathbf{X}	
Re/programming, Configuration	Operation Selec	tion Manual Configuration	write	Configuration		7/9	
ual Configuration							
elect Type ID from following t	ble which is equal to	FAST(Service parts cat	alogue), then to	uch "Next".		-	
					TANK CONTRACT	~	
			_			6	
		Ste	р				
ABS		15					
	Tj	ype ID			1		
	47660-	1	-	_	1		
	47660-				-		
	4,000	Evenuela			-		
	47660-	Example			-	_	
	47660-				Cano	el	
	47660-						Sto
			1/2		Nex		
		Figure C8					
		0		Scroll	7		

EXAMPLE (when using electronic parts catalog to obtain **Type ID** number)

		80	SEC SEC	MBC 🌇		?	
/IN-Code	1N4	AL3AP2EC-	xxxxxx	P	Model xxxxxxxxxxxx	XXXXX	US
Aodel Se	rieș	L33	Prod.M/Y	0514	Color :# QAB Int.Color	G	01
BODY	45	3	ENGINE	QR25DE	GRADE 25SV	TRANS	CVT/QR25
EMISSI		AL.	-				
art Cod			loty	-	t No.	Now 1	alata
arcou		-	IQLY		LNO	New L	Delete
No	Part 0	Code Q1	ty Part	Number	Description		
Per V	eh	Sec. Alte	ernate Parl	No I/C CD	Mem Spec SUP AC/ AF	S. TSB-NO	
1	4766	0	1 476	50-3TA0B-	ACTUATOR & ECU ASS	Y-ANTISKID	
01	Lanca	476				CONFIGURATION	1
01	4/6A	476	1 4/6	50-31A5A-	TYPE-ID, ID NO FOR VL	C CONFIGURATION	J
7.1		170			5		
				· · · · · ·			
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					\bigcirc		
					\bigcirc		
ems	2						

Figure C9

- 17. Confirm the correct **Type ID** number is selected.
- 18. Select OK.

Ver.CSP21.10		Teniore . AL 1111A 30	Guil 200 2010	States
Back Home Print Screen	Screen Capture Measurement Mode Recorded Data	Help	AV VI MI	-
Re/programming, Configuration	Manual Configuration	Configuration	Print Result / eration Complete	8/9
Write Configuration				
Following setting value for each ite Confirm setting value for each items	m are saved to vehicle ECU. , if OK, touch "OK" to save them	to vehicle ECU.		
	Type ID]
	47660-0TA5A43TA5A			
Step 17				Cancel
			Step 18	ок
	Figure (C10		

19. Configuration is complete, select **End**.

Back	Home Print Screen	Screen Capture Measuremen Mode	t Recorded Data	Help	12.4V VI	× =	
Cor	rogramming, nfiguration	Write Configuration	Print R Operation	Result / Complete			9/9
Print Result / C	Operation Complete					-	
Write Config Touch "End"	juration has been su " to finish operation, a ABS	ccessfully completed. and to back to Home \$	Screen. Confirm (each function v	vorks correctly		
-						_	
-		Туре				_	
		4/000-***					
							Print
					Step 19		End

Figure C11