

SERVICE BULLETIN

Classification:

Reference:

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AV CONTROL UNIT REPLACEMENT REQUIRES CONSULT-III PLUS CONFIGURATION

This bulletin has been amended to update the Applied Vehicles. Please discard previous versions.

APPLIED VEHICLES:	2013-2015 Armada (TA60)
	2010-2015 370Z Coupe and Roadster (H/Z34)
	2010-2011 Altima Hybrid (L32HV)
	2010-2013 Altima Coupe (CL32)
	2010-2012 Altima Sedan (L32)
	2011-2015 GT-R (R35)
	2010-2014 Maxima (A35)
	2011-2014 Murano and Murano CrossCabriolet (E/Z51)
	2013-2015 Pathfinder (R52)
	2011-2015 Quest (E52)

SERVICE INFORMATION

If the AV Control Unit needs to be replaced on an Applied Vehicle for any reason, follow the steps in the Service Procedure to configure the Multi AV system.

NOTE: The original AV Control Unit must be installed in the vehicle while performing part of this procedure. <u>DO NOT remove the original AV Control Unit until instructed.</u>

SERVICE PROCEDURE

Before starting, make sure your ASIST has been freshly synchronized and all CONSULT-III (C-III) plus upgrades have been installed.

Parts of the Procedure

PART 1: Record Multi AV Configuration Values of Original AV Control Unit, Replace AV Control Unit

PART 2: Configure the Multi AV System

If needed — PART 3: Perform Multi AV Initialization

PART 4: Manually Configure the Multi AV System

PART 5: Confirm Multi AV System Is Operational

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.

PART 1: Record Multi AV Configuration Values of Original AV Control Unit; Replace AV Control Unit

- 1. Make sure the shift selector is in Park, and the parking brake is set.
- 2. Connect the C-III plus VI to the vehicle.
- 3. Turn ON the ignition.

NOTE: You may want to start the engine to keep the battery charged during this procedure.

4. Write down customer's radio station presets. (Presets will be lost during this procedure.)

Presets	1	2	3	4	5	6
Α						
В						
С						
SAT						

- 5. Launch CONSULT-III (C-III) plus on the CONSULT PC.
- 6. Select **Re/programming Configuration**.





7. Read the General Precaution.

When finished, touch the "Confirmed instructions" box to insert a check mark, then select **Next**.

CONSULT-III plus Ver.16.12 Ver.CSP16.20	VIN:-	Vehicl	a : -	Country : U.S.A.	
Back Binne Print Screen	Screen Capture	Recorded Data	13.4V	YI 🕺 🖿 📃 🔀	
Configuration		Precaution	Vehicle :	Selection	
Precaution					
Operating suggestions for reprog Please review the all of precaution touch "Next".	ramming, programmin is, and click the "Confi	g and C/U configratic rm" check box after c	n: onfirming the its p	points. And	
Precautions					
Caution:	played on screen				
2. "Back" and "Home" button ma	y not be used on this I	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.					
-For ECU Configuration 1. Need to write the <i>L</i> guration data to new ECU, after replace it. 2. If writing the write wonfiguration data, ECU can not work. Please write the right data.					
Configue Anicle's spec and configue Ata, ECU can not to 2. Open saving completely.	its configuration spec, work. Please write the Do not abort without sa	following the service right data. wing data.	Step	e wrong	
Confirmed instructions	1		1		

Figure 2

- 8. Select the Manual Selection (Vehicle Name) tab, then select the applicable Model and Year.
- 9. Select Select.

13.4V VI **e** Back -Ô 0 X ◀ Vehicle Confirmation 5 Re/programming Configuration Automatic Selection(VIN) 6 Manual Selection(Vehicle Vehicle Name : Model Year : NISSAN *MURANO Camp:P8201 JUKE QUEST 2013 INFINITI 350Z LEAF 2012 Step 370Z MAXIMA 2011 8 370Z Convertible MURANO 2010 MURANO Cross Cabriolet ALTIMA VERSA Hatchback 2009 ALTIMA Hybrid NISSAN GT-R VERSA Sedan 2008 XTERRA ARMADA NV 2007 CLEAR CUBE PATHFINDER X-TRAIL Step FRONTIER PATHFINDER ARMADA 9 1/1





Figure 4

10. Confirm the correct **Model Name** and **Model Year** are displayed.

When finished, select **Confirm**.

11. After system call completes, confirm the correct VIN is displayed.

When finished, select Confirm.

NOTE: If the VIN displayed is incorrect, input the correct VIN. When finished, select **Confirm**.





Figure 6

13. Select Read/Write Configuration.



Figure 7

12. Select MULTI AV.

14. Select Before Replace ECU.



Figure 8

- 15. Confirm current configuration and write it down.
 - Configuration can also be printed with the Print Screen button or Screen Capture button.

NOTE: Configurable options will differ between models. Your screen may look different.



Figure 9

CONSULT-III plus Ver.16.12 VIN:	Vehicle :	ALTIMA L32 2010	Country : U.S.A.		
Back Rome Print Screen Capture	Messaremert Mode Recorded Data	13.3V VI MI	-		
Configuration Re/Programming, Con	firmation of place ECU Data		8/8		
Save ECU Data					
Operation Log and Vehicle specification (Configuration data) have been saved to CONSULT. Touch "End" to back to Home Screen. And refer to Service Manual, and replace ECU. After replacement of ECU, touch "Configuration" on Home Screen to continue to write configuration.					
File Label	11444020049834040004983_306	6_Config_Backup			
Vehicle	ALTIMA				
System	MULTIAV	/			
Part Number	25915-ZX05	5A	-		
Saved Date	3/5/2012 12:34:48 PM				
		Step 17	End		
1					

Figure 10

16. Select Save.

NOTE: If the configuration data cannot be saved, replace the AV Control Unit as instructed in the applicable Electronic Service Manual (ESM) and then proceed to **PART 3: Perform Multi AV Initialization** on page 7 of this bulletin.

17. Select End.

18. Replace the AV Control Unit as instructed in the applicable ESM.

PART 2: Configure the Multi AV System

19. Perform steps 1-10.

20. Select Confirm.

CONSULT-III plus Ver.16.12 Ver.CSP16.20	VIN:	Vehicle	: ALTIMA L32 2010	Country : U.S.A.
Back Binne Print Screen	Screen Capture	Recorded Data	13.4V VI	× • • • •
Re/programming, Configuration	Vehicle Confirmation	Operation Log Selection		
Operation Log Selection				
In case you want to write the save of data list (left side), and confirm the want to do other operation, touch "o	data from CONSULT to detail (right side). If the Other Operation''.	vehicle ECU, touch a detail is OK, and to	nd select the data in s uch "Confirm". In cas	Save e you
Saved Data List	Saved Data Detail			
14 MDA.K.249P X ANK40 X 40 X	Operation	VEH	ICLE CONFIGURATIO	N
	System		MULTI AV	
	Part Number		25915-ZX05A	
	Vehicle		ALTIMA	Delete
	VIN	1	NAAD2499753AKM2044939	Other
	Saved Date	3	Step	
1/1			20	Confirm

Figure 11

21. Select After Replace ECU.



Figure 12

22. Select OK.

After performing step 22

If an error message does not display:

 Proceed to PART 5: Confirm Multi AV System Is Operational on page 13.

If an error message <u>does</u> display:

• Proceed to PART 3: Perform Multi AV Initialization, below.

CONSULT-III plus Ver.16.12 Ver.CSP16.20	VIN:	Vehicle : ALTIMA L32 2010	Country : U.S.A.
Back Rome Print Screen	Screen Capture	d Rep And	< -
Re/programming, Configuration	Confirmation of Replace ECU	ite Configuration Print Result / Operation Complet	e 6/7
Write Configuration			
Following setting value for each ite Confirm setting value for each item:	m are saved to vehicle ECU. s, if OK, touch "OK" to save th	em to vehicle ECU.	
Items		Setting Value	
BODY TYPE		SED 4DR 1	
ENGINE TYPE		NORMAL	
		Step 22	Cancel

Figure 13

PART 3 (if needed): Perform Multi AV Initialization

NOTE: Leave C-III plus running and the VI connected while performing Multi-AV initialization.

- 23. Turn OFF the audio system.
- 24. Put the AV system into System Diagnostic Mode as follows:
 - a. Press and hold the **SETTING** button (see Figure 14).
 - b. While holding the **SETTING** button, turn the volume control knob 40 clicks or more.
 - The volume control knob can be turned either direction.
 - When the system goes into the System Diagnostic Menu, the screen in Figure 15 will display.



Figure 14

25. Select Confirmation/Adjustment.





26. Select Delete Unit Connection Log.







Figure 17

System Diagnostic Menu - confirmation/Ad.



27. Select Yes.

28. Select Initialize Settings.

29. Select Accessory Number Initialization.







Figure 20









30. Select Yes.

- 31. Wait while the system initializes.
 - The screen in Figure 21 will display while initializing.

• The screen in Figure 22 will display when initialization is complete.

32. Once initialization is complete, reboot the Multi AV system as follows:

- a. Turn OFF the ignition.
- b. Wait 10 seconds.
- c. Turn ON the ignition.

Proceed to PART 4: Manually Configure the Multi AV System, below.

PART 4 (if needed): Manually Configure the Multi AV System

NOTE: If the screen in Figure 23 is not displayed, click on the **Home** icon.

33. Select **Re/programming** Configuration.



Figure 23

Ô Recorde () Help 13.4V VI **e** Back 1 . X Re/programming, Configuration Precaution Vehicle Selection 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 fouch "Next". Precautions 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. For ECU Configuration guration data to new ECU, after replace it. onfiguration data, ECU can not work. Please write the right data. 2. If writing the wr tion using manual mode ficle's spec and its configuration spec, following the a, ECU can not work. Please write the right data. ving completely. Do not abort without saving data. Step 34 Next **Confirmed instructions**

Figure 24

34. Read the General Precaution.

When finished, touch the "Confirmed instructions" box to insert a check mark, then select **Next**.

- 35. Select the Manual Selection (Vehicle Name) tab, then select the applicable Model and Year.
- 36. Select Select.



Figure 25

37. Confirm the correct **Model Name** and **Model Year** are displayed.

When finished, select **Confirm**.

CONSULT-III plus Ver.16.12 Ver.CSP16.20	Vehicle : -	Country : U.S.A.
Image: Back Image: Back	Messurement Mode Recorded Data Generation 13.4V V	il 💥 🖿 📃 🔀
Configuration	cle Selection	
Please confirm selected information and to	ouch "Confirm". In case you want to select another vel	hicle,
touch Change .		
VIN or Chassis #	XDEAR BORRENE & RECEIPTING	
Vehicle Name :	ALTIMA	
Model Year	2010	
	1/1	
		
		Change
	Step	
	37	Confirm
	Figure 26	
	1 19010 20	

38. Confirm the correct VIN is displayed.

When finished, select Confirm.

NOTE: If the VIN displayed is incorrect, input the correct VIN. When finished, select **Confirm**.



Figure 27

39. Select MULTI AV.



Figure 28

💓 It Scree we corded 0 11.6V Ô X Re/programming, Configuration ◀ Operation Selection 6/6 Operation Selection Touch "Operation". In case over write current ECU, touch "Reprogramming". In case replacement of ECU, select an operation in REPLACE ECU category. REPROGRAMMING In case you want to reprogramming ECU, touch "Reprogramming" Reprogramming Replacement OF ECU Step Programming (Blank ECU) 40 to replace ECU, you should operate followings. CU, ECU data is saved to CONSULT. , CONSULT writes ECU data and programming data. Programming VEHICLE CONFIGURATION In case you has already replaced ECU, touch "Manual Configuration". Read / Write Manual Configuration Configuration Figure 29

r igure z





40. Select Manual Configuration.

- 41. Use the drop down menus to select the **Configuration** options that were printed or written down in step 15.
 - Configurable options will differ between models. Your screen may look different from Figures 30 and 31.
- 42. Select Next.

- 43. Confirm the configuration displayed is correct, then select **OK**.
- 44. Start the engine and let it idle briefly.
- 45. Use C-III plus to clear any codes from the Multi AV system.
 - a. Select Diagnoses (One System) > Multi AV > Self Diagnosis Results.
 - b. Clear any codes that may be present.
- 46. Close C-III plus and disconnect the VI from the vehicle.

PART 5: Confirm Multi AV System Is Operational

- 47. Put your foot on the brake, start the engine, and move the shift selector to R (reverse).
- 48. If equipped, make sure the rear view monitor is working correctly.
- 49. Put the shift selector back into Park.
- 50. Turn ON the radio.
- 51. Turn the volume knob and make sure the audio volume responds to movement of the knob.
- 52. Reprogram the customer's audio presets.

Image: Description Image: De	CONSULT-III plus Ver.CSP16.20	Vehicle : ALTIMA L32 2010	Country : U.S.A.
Representation of Replace ECU Print Result / Operation Complete Write Configuration Fill Configuration Complete Following setting value for each items if OK, touch "OK" to save them to vehicle ECU. Image: Configuration Complete Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Configuration Complete BODY TYPE Setting Value BODY TYPE Setting Value BODY TYPE Setting Value Cancel Image: Configuration Complete Mite Configuration Cancel Mathematical Configuration of Configuration Complete OK	Image: Back Image: Back	led Provide the second	
Write Configuration Following setting value for each item are saved to vehicle ECU. Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK"	Confirmation of Replace ECU	rite Configuration Print Result / Operation Complete	6/7
Following setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Image: Confirm setting value for each items, if OK, touch "OK" to save them to vehicle ECU. Rems Setting value BODY TYPE SED 4DR 1 ENGINE TYPE NORMAL Step 43	Write Configuration		
Rems Setting Value BODY TYPE SED 4DR 1 ENGINE TYPE NORMAL Cancel Step 43 OK	Following setting value for each item are saved to vehicle ECU. Confirm setting value for each items, if OK, touch "OK" to save th	nem to vehicle ECU.	
BODY TYPE SED 4DR 1 ENGINE TYPE NORMAL Cancel 43 OK	Items	Setting Value	
ENGINE TYPE NORMAL Cancel A3 OK	BODY TYPE	SED 4DR 1	
Step 43	ENGINE TYPE	NORMAL	
		Step 43	Cancel

Figure 31