

January 12, 2022

Date:

AV CONTROL UNIT REPLACEMENT PROCESS

NTB20-042C

This bulletin has been amended. See AMENDMENT HISTORY on the last page. Discard all previous versions of this bulletin.

APPLIED VEHICLES: 2020-2022 Titan and Titan XD (A61)

IF YOU CONFIRM

AN20-010C

The AV control unit needs to be replaced.

ACTION

- 1. Read and save the VIN
- 2. Read and save the configuration
- 3. Replace the AV control unit
- 4. Reprogram the AV control unit
- 5. Configure the AV control unit
- 6. Write the VIN to the AV control unit

IMPORTANT: Procedures 4-6 above <u>must</u> be performed in the order shown below.



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 entire **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

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

NOTICE

Perform the following before starting the reprogramming procedure to prevent damage to the control unit.

- Connect the AC Adapter to the CONSULT PC.
- Connect the CONSULT PC to the internet (Wi-Fi or cable).
- Ensure ASIST on the CONSULT PC has been synchronized (updated) to the current date and all C-III plus software updates (if any) have been installed.
- Turn OFF all external Bluetooth[®] devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth[®] signal waves are within range of the CONSULT PC during reprogramming, the reprogramming may be interrupted.
- Turn OFF all vehicle electrical loads.
- Connect a battery maintainer or smart charger, set to reflash mode or a similar setting, to ensure the battery voltage stays between 12.0 V and 15.5 V.

READ AND SAVE THE VIN

NOTE: If the VIN data cannot be saved, proceed to step 9 on page 5. You will be instructed to manually enter the VIN later in the procedure.

1. Select Diagnosis (One System).

	Serial No.	Status	Diagnosis (One System)
VI	2300727	Normal Mode/Wireless	Diagnosis (All Systems)
МІ		No connection	Re/programming, Configuration
S	Select VI/MI		Immobilizer
oplicat	ion Setting Sub mode	ABC Language Setting	Maintenance

Figure 1

2. Select MULTI AV.

Diagnosis (One System)	System Selection			
NISSAN/INFINITI/DAT				
Priority	All syste			
ENGINE	TRANSMISSION	AIR PRESSURE MONITOR	INTELLIGENT KEY	
A	MULTI AV	BAC	UIU	
METER/M&A	EHS/PKB	SUB METER	AUTO SLIDE DOOR	
BCM	DCDC	CONVERTIBLE ROOF	PRECRASH SEATBELT	
AIR BAG	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS. ALL MODE AWD/4WD	
ICC/ADAS	EPS/DAST 3	e-4WD		
HVAC	IPDM E/R	LASER/RADAR	DIFF LOCK	

Figure 2

- 3. Select Work support.
- 4. Select **SAVE VIN DATA**.
- 5. Select Start.

lack Home Print Screen Scr Diagnosis (One System) System Sel	ection	ecorded Data	HRT 11.3V		Į
Self Diagnostic Data Monitor	Work suppor	t ECU Identifi	cation		
Nem SAVE VIN DATA TCU ACTIVATE SETTING WRITE VIN (SAVED DATA)					
			171	Start	

Figure 3

6. Select Start.

Back Diagnosis (One System)	Screen Capture Selection TELEMATICS	Help	12.0V VI	× ••	\mathbf{X}
ork support : SAVE VIN DATA					
TART SAVE VIN DATA				Star	
urrent status		Waiti	ng for your opera	ation	
				End	

Figure 4

7. Wait for the **Current status** to show **Completed**, and then select **End**.

Back Diac	Home Home	Print Screen	Screen Capture	Messa entrett Mode	Recorded Data	O Help	12.0V	Yil :	× m		
ork suppo	em)	VIN DATA	m Selection	TELEP	WAILES						
DATA SAV ACCORDIN THE DATA	ING HAS I NG TO SEF WRITING	BEEN COMPLI RVICE MANUA ROUTINE.	ETED. L, RUN							Retry	
urrent sta	atus							с	MPLT		
										End	
				E	lauro	5					

Figure 5

8. Select **Home** (not shown).

READ AND SAVE THE CONFIGURATION

Conne	ction Status		Diagnosis Menu
	Serial No.	Status	Diagnosis (One System)
VI	2300727	Normal Mode/Wireless	
		connection	Diagnosis (All Systems)
MI		No connection	Re/programming, Configuration
38	Select VI/MI		
Applica	tion Setting		
	Sub mode	ABC Language Setting	Maintenance

9. Select **Re/programming, Configuration**.

NOTE: C-III plus screens are not shown for steps 10-13.

- 10. Read the on-screen Precaution, and select **Confirmed Instructions** at the bottom of the screen.
- 11. Select Next.
- 12. Confirm the vehicle details are correct for the vehicle you are working on, and then select **Confirm**.
- 13. Confirm the correct VIN, and then select Confirm.

14. Select MULTI AV.

Configuration	Input Vit/ System Selection	Operation Selection
System Selection		
Touch "system". In case ECU you want to operate is not it	sted below, the vehicle or model year might be	selected wrong.
ENCINE	EUS/PKP	METEDIMAA
ENGINE	Ensirite	METERVINGA
MULTI AV	EPS/DAST 3	LASER/RADAR
3ch CAN GATEWAY	ABS	BCM
Sale CAN CATEWAY		PONAR
BCH CAN GATEWAT	IPDM ER.	SUNAR
IVC	AIR PRESSURE MONITOR	LANE CAMERA
	مار المحمد ال	

Figure 7

15. Select Before ECU Replacement under VEHICLE CONFIGURATION.

Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an o	"Reprogramming". operation in REPLACE ECU category.	
REPROGRAMMING		terrate "Pressourcestants"
Reprogramming	in case you want to reprogramming ECO	toden Reprogramming .
100		
Replacement OF ECU		
Replacement OF ECU Programming (Blank ECU)		Touch "Before ECU Replacement".
Replacement OF ECU Programming (Blank ECU)	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.
Replacement OF ECU Programming (Blank ECU)	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.

Figure 8

- 16. Write down all **Setting Values**.
 - Use the arrows to view all **Setting Value** screens.

Configuration	ration Selection	Save ECU Data		10
e ECU Data				
ne current vehicle specification as listed i formation. case of no items listed below, no item is	below are saved in veh	icle ECU. Touch "Sav	e" to save this	
Internet in the second s				
ltems		Setting	Value	
Items		Setting	Value xxxxx	
items NAVIGATION DAB FUNCTION		Setting xxxx xxxx	Value xxxxx xxxxx	
Items NAVIGATION DAB FUNCTION TELEMATICS		Setting XXXX XXXX XXXX	Value XXXXX XXXXX XXXXX	
Items		Setting XXXX XXXX XXXX XXXX	Value XXXXX XXXXX XXXXX XXXXX	Print

Figure 9

17. Select Save.

·	Save ECU Data	7/7
ECU Data		
e current vehicle specification as listed below are saved ormation. case of no items listed below, no item is available for cor	in vehicle ECU. Touch "Save" to save this	
		_
Items	Setting Value	
Items	Setting Value XXXXXXXXX	
Items RADE AMERA SYSTEM	Setting Value xxxxxxxxx xxxxxxxxx	
Items RADE AMERA SYSTEM ONAR TYPE	Setting Value XXXXXXXX XXXXXXXX XXXXXXXXX XXXXXXXXX	
Items RADE AMERA SYSTEM ONAR TYPE REDICTIVE COURSE LINE	Setting Value XXXXXXXXX XXXXXXXX XXXXXXXXX XXXXXXXX	Print

Figure 10

18. Select End.

ve ECU Data		4/4
eration Log and Vehicle specification	(Configuration data) have been saved to CONSULT. Touch "End"	0
er replacement of ECU, touch "Config	guration" on Home Screen to continue to write configuration.	
		~
ile Label	*****	
ehicle	TITAN	
stem	MULTIAV	
nt number/Type ID	****	
Contraction (see)	and a second sec	
ved Date	XXXXXXXXXXXXXXXX	

Figure 11

REPLACE THE AV CONTROL UNIT

- 19. Replace the AV control unit.
 - Refer to the ESM: DRIVER INFORMATION & MULTIMEDIA > AUDIO, VISUAL & NAVIGATION SYSTEM > NAVIGATION (WITH OR WITHOUT AMPLIFIER) > REMOVAL AND INSTALLATION > AV CONTROL UNIT

REPROGRAM THE AV CONTROL UNIT

20. Select Re/programming, Configuration.

	Serial No.	Status	Diagnosis (One System)
vi	2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)
MI	•	No connection	Re/programming, Configuration
8	Select VI/MI		Immobilizer
plicat	ion Setting Sub mode	ABC Language Setting	Maintenance

Figure 12

NOTE: C-III plus screens for steps 21-25 are not shown.

- 21. Select Confirmed instructions.
- 22. Select Next.
- 23. Select Confirm.
- 24. Confirm the correct VIN is populated.
- 25. Select **Confirm**.

26. Select Other Operation.

• If the VIN could not be read/saved (steps 1-8), proceed to step 27.

ation Log Selection ISULT has the saved data r ase you want to write the sav	elated relprogramming and configu	ration.	-
SULT has the saved data r se you want to write the save	elated relprogramming and configu	ration.	
the state of the s	le data from CONSULT to vehicle EC	CU, touch and select the data in Save	
o do other operation, touch	he detail (right side). If the detail is (n "Other Operation".	DK, and touch "Confirm". In case you	
	New your and		1
d Data List	Saved Data Detail		1
XXXXXXXXXXXXXX	Operation	*****	
	System	MULTI AV	
	Part number/Type ID	XXXXXXXX	
		TITAN	
	Vehicle	IIIAN	Delete
	Vehicle VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Other
	Vehicle	IITAN	Delete
	Vehicle VIN Saved Date		Other Operation
	Vehicle VIN Saved Date	10000000000000000000000000000000000000	Other Operation Confirm

Figure 13

27. Select MULTI AV.

SVSTRIN SPIRCUON		
Touch "system". In case ECU you want to operate is not i	isted below, the vehicle or model year might be	selected wrong.
ENGINE	EHS/PKB	METER/M8/
MULTI AV	EPS/DAST 3	LASER/RADA
MULTI AV 3ch CAN GATEWAY	EPS/DAST 3 ABS	LASER/RAD/ BCM
MULTI AV 3ch CAN GATEWAY 5ch CAN GATEWAY	EPS/DAST 3 ABS IPDM E/R	LASER/RAD/ BCM SONAR

Figure 14

28. Select After ECU Replacement from the Programming (Blank ECU) menu.

Back Barne Print Screen Ser	een hure Made Bata Gerded	
Re/programming.	System Selection Operation Selection	717
peration Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an o	"Reprogramming". peration in REPLACE ECU category.	
REPROGRAMMING	In case you want to corresponding ECI	I touch "Deprogrammino"
Reprogramming		, toden reprogramming .
Replacement OF ECU Programming (Blank ECU)		
Before ECU Replacement	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is saved to CONSULT.
VEHICLE CONFIGURATION		
Before ECU Replacement	After EC Hacement	Touch "Before ECU Replacement", Operation log with configuration data is saved to CONSULT.
-		

Figure 15

29. Select **Next** after reading the precaution.



Figure 16

30. Select Manual selection.



Figure 17

- 31. Read the precautions.
 - Click on the arrows to read all of the precautions.



Figure 18

32. After reading all of the precautions, select **Confirmed instructions** and then select **Next**.



33. Review **Table A**, below, and find the applicable **ROM Data ID** for the vehicle you are working on.

Table A

Model	Bose System	Speaker count	Sunroof	ROM Data ID
	Base	6 speaker	Without	283C2 9FV1A
King cab	Fender subwoofer	10 speaker	Without	283C2 9FV3A
	Base	6 speaker	Without	283C2 9FV2A
Crew cab	Fender subwoofer	12 speaker	Without	283C2 9FV3A
	Fender subwoofer	12 speaker	With	283C2 9FV4A

34. Select the applicable **ROM Data ID**, and then select **Next**.

Dalast Deserver Data		11/12
Select Frogram Data Select the ROM Data ID listed below an Corresponding ID can be searched by ei ID is already indicated in the box, enter When corresponding ROM Data ID is no data) may not exist in CONSULT.	d touch "Next". ntering the ROM Data ID into the box below. If a part of ROM Data the remaining part. t listed, system may be selected incorrectly or ROM Data (program	
Blank ECU Part Number	XXXXXXXX	- An
ROM Data ID	Other Information	2
XXXXXXXX	xxxxxxx	
xxxxxxx	xxxxxxx	
хххххххх	xxxxxxx	
xxxxxxx	XXXXXXXX	Clear
		Circuit

Figure 20

35. Confirm the information matches the vehicle you are working on, and then select **Next**.

Back Print Screen Capture	Nosserersat Recorded Bats Help ERT 14.4V VI MI	
Re/programming, Configuration	Select Program Data Confirm Vehicle Condition	11/12
ect Program Data		
onfirm the detail listed below, and touch "N r case the screen to select reprog/programm ehicle. n case the part number after reprogramming lection, VIN and reprog/programming data in	lext" if OK. ning data is NOT displayed, only one data is available for this is wrong, touch "Re-select", and confirm the vehicle I CONSULT.	
art Number After Repro/programming	xxxxxxxx	
ler Part number	XXXXXXXX	
nicle	TITAN A61	
() () () () () () () () () ()	****	
stem	MULTIAV	
ther Information	XXXXXXXX	Re-select
xpected time to finish re/programming	1min	
		Next

Figure 21

36. Follow the on-screen instructions, and then select **Next**.



Figure 22

37. Confirm the battery voltage is within acceptable limits, and then select Start.

Home Print Screen	Screen Capture	Ande Recorder Data	t Help ERT	14.4V VI MI	
Re/programming, Configuration	Selevi Progra	m Data	Condition		12/12
ehicle Condition					
the vehicle condition as	listed below, se	t the vehicle cor	dition correctly.		1
infirm that judgment for a	Il items indicate	OK, and touch "	Start". In case the vehi	cle condition is	
inge, reprogramming or p	ogramming may	orop.			
	-				
Monitor Eem	Value	Unit	Judgment	Condition	
ATTERY VOLTAGE	14.4	v	DK		
an contrational rescale (

Figure 23

Select your user group from the drop down menu, and then select OK. 38.



Figure 24

Enter your username and password, and then select Submit. 39.



40. Wait for **Transfer Data** to complete.



41. Once complete, select Next.



Figure 27

42. Follow the on-screen instructions, and then select **Next**.

Back Home Print Screen Cap	ture Mode Recorded	Help ERT	13.5V VI	M		
Configuration	Transfer Data Co	onfirm Result			1.00	16/16
firm Result				_		
erate according to the following proc	edures.					
				_		
Turn ignition switch to the OFF position	on, and wait for 2 seconds or m	iore.				
Current status of ignition		3				
Current status of ignition switch	ON					
Current status of ignition switch Waiting Time	ON					
Current status of ignition switch Waiting Time	ON]				
Current status of ignition switch Walting Time Turn ignition switch from the OFF posi	ON tion to the ON position.					
Current status of ignition switch Walting Time Turn ignition switch from the OFF posi	ON Ition to the ON position.					
Current status of ignition switch Waiting Time Turn ignition switch from the OFF posi	ON Ition to the ON position.					
Current status of ignition switch Waiting Time Turn ignition switch from the OFF posi Touch "Next" to go to next operation.	ON					
Current status of ignition switch Waiting Time Turn ignition switch from the OFF posi Touch "Next" to go to next operation.	ON Ition to the ON position.					Next

Figure 28

- 43. Erase all DTCs.
 - Follow the on-screen instructions to erase the DTCs.
- 44. Confirm the before and after part numbers are different, and then follow the screen prompts to print the results.

Configuration	Erase All DTCs Operation Complete	17/1
Print Result / Operation Complete		
All tasks for programming have been co or touch "Screen Capture" to storage of perform "Diagnosis (All Systems)" to co Screen capture data is saved in "CIII plus "ScreenImages".	mpleted. Confirm LAN access, touch "Print" to print out this page, this page temporally. Touch "End" to back to Home Screen, and nfirm that no DTC is detected. s Data Folder" on desk top, and open the folder named	
Part number after Reprog/programming	XXXXXXXXX	
Part number before Reprog/programming	****	
Vehicle	A61 TITAN	(
VIN	*****	Print
System	MULTIAV	
Date	*****	Other Operation
		Ganting
		Contirm

45. If C-III plus does not automatically return to the home screen, select Home.

WRITE THE CONFIGURATION FROM SAVED DATA (From Read/Save)

If the AV control unit cannot be configured using the saved data, skip to step 54 on page 23 to manually configure the AV control unit.

_	Serial No.	Status	Diagnosis (One System)
n	2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)
11		No connection	Re/programming, Configuration
9:	Select VI/MI		Immobilizer
) :	Sub mode	ABC Language Setting	Maintenance

46. Select **Re/programming, Configuration**.

Figure 30

- 47. Read the precautions.
 - Click on the arrows to read all of the precautions.

Re/programming, Configuration	Confirmation of Replace ECU	Precaution	Select Program Data	
recaution				
perating suggestions: f the reprogramming/programmi isable. Please review the all of precaution	ing is unsuccessful, ECU sof ons, and click the "Confirm"	tware may be damag check box after confi	ed and ECU is no longer rming the its points.	
Before starting reprogramming Nork preparation	g>			
Turn off any wiseland devise	e reprogramming data to thi	s CONSULT-III plus F	C.	
. Turn off any wireless devices C preparation	e reprogramming data to thi such as mobile phones, co	s CONSULT-III plus F rdless phones, trans	°C. celvers, etc.	
Turn off any wireless devices C preparation . Close all other software exce . Check that the screen saver is Properties". Select the Screen S ister "OK"	e reprogramming data to thi s such as mobile phones, co pt CONSULT-III plus and DO s turned OFF. To do this, righ Saver tab then select "(None)	s CONSULT-III plus F rdless phones, trans NOT activate any ot t-click on the PC Des " from the Screen Sa	°C. ceivers, etc. her software. ktop, and select ver pull-down menu, and	
. Turn off any wireless devices ² C preparation . Close all other software exce, . Check that the screen saver is lick "OK". . Operate the PC using the AIC . D0 NOT disconnect the VI di	e reprogramming data to thi such as mobile phones, co pt CONSULT-III plus and DO sturned OFF. To do this, righ Saver tab then select "(None) adaptor to keep the battery agnosis data link cable duri	s CONSULT-III plus F rdless phones, trans NOT activate any ot t-click on the PC Des "from the Screen Sa charged. ng report/programmin	CC. ceivers, etc. her software. ktop, and select ver pull-down menu, and ng.	
Thurn off any wireless devices PC preparation , Close all other software exce , Check that the screen save is Properties". Select the Screen 3 lick "OK". . DO NOT disconnect the VI di Vehicle preparation . Adjust the battery charger out 35V. For EV, DO NOT charge I adjust the battery charger out 35V. For EV, DO NOT charge I . Durn OFF all electrical compo	e reprogramming data to thi such as mobile phones, co pt CONSULT-III plus and DO is turned OFF. To do this, righ Saver tab then select "(None) adaptor to keep the battery agnosis data link cable duri put so that the battery voltag the EV battery during reprog	s CONSULT-III plus F rdless phones, trans NOT activate any of t-click on the PC Des "from the Screen Sa charged. ng report/programmir report/programmir to the 12V battery i ramming. ny electrical compon	YC. ceivers, etc. her software, ktop, and select ver pull-down menu, and ng. s in the range of 12.0V to ent switches.	
2. Turn off any wireless devices PC preparation 1. Close all other software exce. 2. Check that the screen saver is "Properties". Select the Screen 3 3. Operate the PC using the AIC 1. DO NOT disconnect the VI di Vehicle preparation 1. Adjust the battery charger out 1.35V. For EV, DO NOT charger 1 2. Turn OFF all electrical compo 3. DO NOT turn OFF the ignition	e reprogramming data to thi such as mobile phones, co pt CONSULT-III plus and DO is turned OFF. To do this, righ Saver tab then select "(None) adaptor to keep the battery agnosis data link cable durii put so that the battery voltag the EV battery during reprog thet EV battery during reprog inents and o not operate a switch/Power switch. For EV	s CONSULT-III plus F rdless phones, trans NOT activate any ot t-click on the PC Des " from the Screen Sa charged. ng report/programmin ge of the 12V battery i rramming. ny electrical compon /HEV, push power sw y lamp in the meter	C. ceivers, etc. ktop, and select ver pull-down menu, and ng. s in the range of 12.0V to ent switches, itch twice without panel do	Nevt

Figure 31

48. After reading all of the precautions, select **Confirmed instructions**, and then select **Next**.

50	Re/programming Configuration		Replace E	cu.	Precaution	Select Pro	gram Data	10/12
Precauti	n							
Operati If the re usable Please	ng suggestion: programming/p review the all o	s: programming is f precautions,	s unsuccessfu and click the *	l, ECU software 'Confirm'' check	may be damage box after confi	d and ECU is ming the its p	no lönger oints.	
4. DO 1	IOT set the A/C	timer or A/C	remote control	l system.			-	
<durin Never Never Never</durin 	g reprogrammil ouch the CONS depress the bra open each door	ng> SULT-III plus o ke pedal or tu or trunk rid.	components to arn the steering	prevent cable o 9 wheel.	lisconnection.			

49. Confirm the correct vehicle information is populated, and then select **Confirm**.

ase confirm selected information and ch "Change".	touch "Confirm". In case you want to select another vehicle,	
or Chassis #	*****	
icle Name :	XXXXXXXXX	
del Year	хххххх	
	1/1	

Figure 33

50. Confirm the correct **Saved Data Detail**, and then select **Confirm**.

ration Log Selection NSULT has the saved data re			
SULT has the saved data rel			
ase you want to write the save	ated re/programming and config data from CONSULT to vehicle E	uration. CU. touch and select the data in Save	
list (left side), and confirm the	e detail (right side). If the detail is "Other Operation".	OK, and touch "Confirm". In case you	
and an entry of	Provide and the second		
ed Data List	Saved Data Detail	Saved Data Detail	
*****	Operation	*****	
	System	MULTIAV	
	Part number/Type ID	*******	
	are not in boar 1 y po io	*******	
	Vehicle	xxxxxx	Delete
	Vehicle	xxxxxxx xxxxxxxx	Delete
	Vehicle VIN Saved Date		Delete Other Operation
	Vehicle VIN Saved Date		Delete Other Operation

Figure 34

51. Use the arrows to confirm all **Setting Values** are correct, and then select **OK**.

tack Rome Print Screen Capture Maiasarcommi	Recorded Data
Re/programming, Configuration	Write Configuration Print Result / Operation Complete 8/7
Configuration	
llowing setting value for each item are saved to vehicle offirm setting value for each items, if OK, touch "OK" to MULTI AV	e ECU. save them to vehicle ECU.
Items	Setting Value
RADE	XXXXXXXX
AMERA SYSTEM	XXXXXXXXXXXXXXX
DNAR TYPE	****
REDICTIVE COURSE LINE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
YBRID	XXXX
	2/;

Figure 35

52. Select **End** after the configuration has been successfully written.

Ach Home Print Screen Capture Mode	Recorded Data
Re/programming. Write Configuration	Print Result / Operation Complete 7/
Result / Operation Complete	
te Configuration has been successfully completed. uch "End" to finish operation, and to back to Home Sci	reen. Confirm each function works correctly.
MOLTIAV	
Items	Setting Value
ADE	xxxxxxx
MERA SYSTEM	****
NAR TYPE	xxxxxxxxxxx Print
REDICTIVE COURSE LINE	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
YBRID	XXXX
	2/2 End

Figure 36

53. Skip to page 28 to write the VIN to the AV control unit.

WRITE CONFIGURATION MANUALLY (Manual Selection)

	Serial No.	Status	Diagnosis (One System)
VI	2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)
мі	•	No connection	Re/programming, Configuration
8	Select VI/MI		Immobilizer
plicat	tion Setting Sub mode	ABC Language Setting	Maintenance

54. Select Re/programming, Configuration.

Figure 37

NOTE: C-III plus screens for steps 55-57 are not shown.

- 55. Confirm the on-screen instructions, and then select **Next**.
- 56. Confirm the vehicle details, and then select **Confirm**.
- 57. Confirm the correct VIN is populated, and then select **Confirm**.

58. Select MULTI AV.

		Speration Selection
System Selection		
Touch "system". In case ECU you want to operate is not lis	ted below the vehicle or model year might be	selected wrong.
ENGINE	EHS/PKB	METER/M&A
	r	
MULTIAV	EPS/DAST 3	LASER/RADA
MULTI AV	EPS/DAST 3	LASER/RADA
MULTI AV 3ch CAN GATEWAY	EPS/DAST 3 ABS	LASER/RADA BCM
MULTI AV 3ch CAN GATEWAY	EPS/DAST 3 ABS	LASER/RADA BCM
MULTI AY 3ch CAN GATEWAY 6ch CAN GATEWAY	ABS	LASER/RADA BCM SONAR
MULTI AY 3ch CAN GATEWAY 6ch CAN GATEWAY	EPS/DAST 3 ABS IPDM E/R	LASER/RADA BCM SONAR

Figure 38

59. Select After ECU Replacement under VEHICLE CONFIGURATION.

Back Home Print Screen Scr	een Measurement Re fuire Mode Re	corded Data	A ERT 14.5V V		
Re/programming, Configuration	System Selection	Operation Selection	1	3	7/7
peration Selection					
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an o	"Reprogramming". peration in REPLACE	ECU category.			
REPROGRAMMING					
Reprogramming	In case you want to	reprogramming E	U, touch "Reprog	ramming".	
Replacement OF ECU Programming (Blank ECU)					
Before ECU Replacement	After E	Iacemen	Touch "Befor Operation log to CONSULT	e ECU Repla with part nu	ncement", mber is saved
VEHICLE CONFIGURATION					
Before ECU Replacement	After ECU	Replacemen	t Torth "Befor	re ECU Repla	acement", uration data is

Figure 39

60. Select Manual selection.

Select an operation from the I	following list.
Touch "EPC linked" or "Manua	d selection".
	Touch "EPC linked" to select automatic selection for writing data using the file generated in EPC.
EPC linked	
L	
	Touch "Manual selection" to select writing data manually

Figure 40

- 61. Use the drop down menu to select the values that were written down in step 16 on page 7.
 - Use the arrows to scroll to any additional pages.

NOTE: The selections shown in Figure 41 and Figure 42 may not reflect the features of your vehicle.

nual Configuration entify the correct model and config	uration list described i		
entify the correct model and config	uration list described i		
ake sure to touch "Next" even if co not, configuration which is set auto	for each item, touch "I onfiguration list is not d matically by selecting v	in Service Manual. Next". Iisplayed. ehicle model can not be memorized.	
MULTIAV			
		1	
Items		Setting Value	-
Items		Setting Value WITH	¥
Items NAVIGATION TELEMATICS		Setting Value WITH WITH	¥ ¥
Items NAVIGATION TELEMATICS SOUND SYSTEM	Ļ	Setting Value WITH WITH BASE (6 SPEAKERS)	• •
Items NAVIGATION TELEMATICS SOUND SYSTEM GRADE		Setting Value WITH BASE (6 SPEAKERS) MODE1	V V Cancel

Figure 41

62. Select Next.

Home Print Screen Screen Mode Rec	Corded Heip ERT 13.4V VI MI	
Re/programming, Configuration Writing method selection	Manual Configuration Write Configuration	8/10
Configuration		
y the correct model and configuration list described in m and/or change setting value for each item, touch "Ne sure to touch "Next" even if configuration list is not dis configuration which is set automatically by selecting veh	Service Manual. pxt". iplayed. hicle model can not be memorized.	
MULTIAV		
Items	Setting Value	
AR TYPE	FRONT&REAR	
DICTIVE COURSE LINE	WITHOUT/WITH AVM	_

Figure 42

- 63. Confirm the correct **Setting Values**.
 - Use the arrows to scroll to any additional pages.

Back Home Print Screen Screen Messautement Mode	Recorded Data	
Re/programming, Configuration	Write Configuration Print Result / Operation Complete	9/10
Vrite Configuration		
Following setting value for each item are saved to vehicle Confirm setting value for each items, if OK, touch "OK" to a MULTI AV	ECU. save them to vehicle ECU.	
Items	Setting Value	1
NAVIGATION	WITH	
TELEMATICS	WITH	
SOUND SYSTEM	BASE (6 SPEAKERS)	
GRADE	MODE1	Cancel
CAMERA SYSTEM	NONE/AVM ph3	
	1/	ОК

Figure 43

64. Select OK.

k Hone Print Screen Capture Maaatament Mode Capture Manaatament Capture Manual Configuration	Recorded Itelo ERT 13.4V VI MI Print Result / Write Configuration Print Result / Operation Complete 9/
te Configuration	
ollowing setting value for each item are saved to vehicle onfirm setting value for each items, if OK, touch "OK" to s	ECU. ave them to vehicle ECU.
MULTIAV	
Items	Setting Value
ONAR TYPE	FRONT&REAR
PREDICTIVE COURSE LINE	WITHOUT/WITH AVM
	Cancel

Figure 44

65. Select **End** after the configuration has been successfully written.



Figure 45

WRITE THE VIN FROM SAVED DATA (From Read/Save)

- If the VIN data was saved using steps 1-7 on pages 2-4, continue to step 66.
- If the VIN data was **NOT** saved using steps 1-7 on pages 2-4, skip to step 72 on page 30.
- 66. Select Diagnosis (One System).

	Serial No.	Status	Diagnosis (One System)
VI	2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)
MI	÷	No connection	Re/programming, Configuration
8	Select VI/MI		Immobilizer
oplicat	tion Setting	ABC Language Setting	Maintenance

Figure 46

67. Select MULTI AV.

Diagnosis (One System) System	System Selection			
Priority	All syste	ms 🔻		
ENGINE	TRANSMISSION	AIR PRESSURE MONITOR	INTELLIGENT KEY	
АВ	MULTI AV	BAC	DIU	
METER/M&A	EHS/PKB	EHS/PKB SUB METER	AUTO SLIDE DOOR	
BCM	DCDC	CONVERTIBLE ROOF	PRECRASH SEATBELT	
AIR BAG	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.	
ICC/ADAS	EPS/DAST 3	e-4WD	ALL MODE AWD/4WD	
HVAC	IPDM E/R	LASER/RADAR	DIFF LOCK	

Figure 47

- 68. Select the **Work support** tab.
- 69. Select WRITE VIN (SAVED DATA).
- 70. Select Start.

Diagnosis (One System) System System Mathematical System Mathematical System Mathematica	MULTI AV	A 13.4V VI MI	
est litem SAVE VIN DATA WRITE VIN (SAVED DATA) WRITE VIN (MANUAL INPUT)			
		ſ	
		1/1	Start

Figure 48

71. Confirm the correct VIN is displayed, and then select **Start**.

IN will be written according to save ouch Start. Saved VIN will pop up.	id VIN.		
IN is not recorded, then boxes will	be displayed in the VIN column.		
rent status	Waiting for your operation		
	End		

End of procedure.

WRITE THE VIN MANUALLY (Manual Input)

72. Select Diagnosis (One System).

-	Serial No.	Status	Diagnosis (One System)
4	2300727	Normal Mode/Wireless	Diagnosis (All Systems)
1	•	No connection	Re/programming, Configuration
?:	Select VI/MI		Immobilizer
) s	ion Setting Sub mode	ABC Language Setting	Maintenance

Figure 50

73. Select MULTI AV.

Diagnosis (One System) S	ystem Selection		
Priority	All syste	ms 🔻	-
ENGINE	TRANSMISSION	AIR PRESSURE MONITOR	INTELLIGENT KEY
АВ	MULTI AV	BAC	DIU
METER/M&A	EHS/PKB	SUB METER	AUTO SLIDE DOOR
BCM	DCDC	CONVERTIBLE ROOF	PRECRASH SEATBELT
AIR BAG	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.
ICC/ADAS	EPS/DAST 3	e-4WD	ALL MODE AWD/4WD
HVAC	IPDM E/R	LASER/RADAR	DIFF LOCK

Figure 51

- 74. Select the **Work support** tab.
- 75. Select VIN REGISTRATION.
- 76. Select Start.

Back	Home Print Scree	in Screen Ma	Mult TLAY	Help ERT	11.9V VI	M	
Sy	rstem)	ystem selection	MOLTAV		-		
Self D Resul	Diagnostic Data	Monitor	Work support	ECU			
t Item							
	SAVE VIN D	ATA					
	WRITE VIN (SAVI	ED DATA)					
	VIN REGISTR	ATION					
						ſ	
				_	(itart

Figure 52

- 77. Type the VIN into the fields shown below.
 - The VIN must be entered two times.
- 78. Select Start.

ork support : WRITE VIN (MAN	IUAL INPUT)	
put VIN of the vehicle. afer to Service Manual for loc	ation of identification plate.	Start
NISSAN MOTOR COLUTD.JAPAN 활 로 개혁	XISSAN NOTOR IBERICA S.A	

Figure 53

- 79. Select **READ VIN** to verify the VIN was written successfully.
 - The VIN should now populate in the field shown below.

80. Select End.

VIN written successfully. Touch "End" and turn OFF ignit Wait for 10 seconds or more. Check that VIN is written to ECU Then perform self-diagnosis and	ion switch (or power switch).	Retry
HISAN MOTOR COLTO JAPAN HISAN MOTOR COLTO JAPAN HISAN COLTO JAPAN HISAN COLTO JAPAN HISAN COLTO JAPAN HISAN MOTOR COLTO JAPAN HISAN MOTOR COLTO JAPAN HISAN MOTOR COLTO JAPAN COLTO JAPAN HISAN MOTOR COLTO JAPAN COLTO JAPAN HISAN MOTOR COLTO JAPAN COLTO JAPAN COLTO JAPAN HISAN MOTOR COLTO JAPAN COLTO JA	NISAA NOTOS INBIA S.A. SKI.VVWRS1UD123450 () () () () () () () () () ()	READ VIN
/IN	****	

Figure 54

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace AV Control Unit W/O Navi	(1)	RX8YAA	ZE	32	1.9

(1) Reference the electronic parts catalog and use the AV Control Unit (25915-****) as the Primary Failed Part (PFP).

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
June 17, 2020	NTB20-042	Original bulletin published
January 27, 2021	NTB20-042a	Updated APPLIED VEHICLES and Table A
February 3, 2021	NTB20-042b	Classification number updated
January 12, 2022	NTB20-042C	APPLIED VEHICLES revised