

QUALITY ACTION

Transmission Control Module Reprogram

Reference: PC604 Date: December 19, 2017

CAMPAIGN

BULLETIN

Attention: Dealer Principal, Sales, Service & Parts Managers

Affected Models/Years:	Affected	Dealer	SERVICE COMM	Stop Sale
	Population:	Inventory:	Activation date:	In Effect
2016-17 Titan & Titan XD(A61)	NA	11,807	December 19, 2017	NO

***** Quality Action Summary *****

Nissan is conducting a dealer inventory quality action to reprogram and, if necessary calibrate, the Transmission Control Module (TCM) on specific MY2016-17 Titan XD (A61) vehicles identified in SERVICE COMM and National Service History – Open Campaigns. These vehicles are either currently in dealer inventory or assigned and in transit to the dealer.

The software update will prevent one or more of the following concerns:

- Transmission shift shock when accelerating enough to create a $7 \Rightarrow 3$ downshift
- Engine RPM fluctuation while driving at a steady speed
- Lack of power under light acceleration at low speeds (may be described as hesitation; feeling like the transmission is in too high of a gear)

***** What Dealers Should Do *****

- Verify if vehicles currently in <u>dealer inventory</u> are affected by using Service Comm or National Service History – Open Campaign I.D. <u>PC604.</u>
 - New vehicles in dealer inventory can also be identified using DBS (Sales-> Vehicle Inventory, and filter by Open Campaign).
 Refer to NPSB 15-460 for additional information
 - <u>Please continue to check newly arriving inventory for campaign</u> <u>applicability.</u>
- 2. Use the attached procedure to reprogram the TCM and, if applicable, the ECM.
 - If reprogramming issues arise, use CONSULT III Software version 73.10
 - Use the following claims information for vehicles identified in Service Comm or DBS National Service History – Open Campaigns ID PC604

CM I.D.	DESCRIPTION	OP CODE	FRT
DC604	Update TCM Software	PC6040	0.8 hrs.
PC004	TCM Software does not require update	PC6044	0.3 hrs.

3. Dealers are requested to remedy any affected vehicle in dealer new inventory to ensure customer satisfaction.

Thank you for your prompt attention to this matter.

NISSAN NORTH AMERICA, INC.

Aftersales DIVISION



PC604 2017 TITAN AND TITAN XD TCM AND ECM REPROGRAMMING

VK56VD (Gasoline V8)

SERVICE PROCEDURE

IMPORTANT: This reprogramming procedure has some steps in a different order than usual. Make sure to follow all the steps in the specific order listed to properly complete the TCM and ECM reprogramming.

IMPORTANT:

- This procedure requires reprogramming of the TCM FIRST and then ECM.
- Failure to complete the reprogramming in the specified order may result in the TCM or ECM being damaged or other programming errors.

NOTE:

 Instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.

IMPORTANT: Before starting, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All C-III plus software updates (if any) have been installed.
- The CONSULT PC is connected to the internet (Wi-Fi, or cable).

TCM Reprogram

Preparation for Reprogramming

CAUTION:

- Connect the GR8 to the 12V battery and set to ECM power supply mode. If the vehicle battery voltage goes below <u>12.0V or above 15.5V</u> during reprogramming, <u>the TCM may be damaged</u>.
- Be sure to turn OFF all vehicle electrical loads.
 If a vehicle electrical load remains ON, the TCM may be damaged.
- Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and <u>the TCM</u> <u>may be damaged</u>.
- Turn OFF all external Bluetooth[®] devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the plus VI. If Bluetooth[®] signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and <u>the TCM may be damaged</u>.
- 1. Connect the plus VI to the vehicle and open/start C-III plus.
- 2. Confirm the ignition is ON, with engine OFF.
- 3. Confirm the plus VI is recognized.
 - The Serial No. will display when the plus VI is recognized.
- 4. Select Re/programming, Configuration.

	Back Home Print	Screen Capture Mode	Image: Second state Image: Second state	
	Connection Status		Diagnosis Menu	
Step 3:	Serial No.	Status	Diagnosis (One System)	
plus VI is recognized	VI 2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)	
	мі -	\otimes		Step
		No connection	Re/programming, Configuration	4
	Select VI/M	1	Immobilizer	
	Application Setting	Language Setting	Maintenance	
	VDR			
	1		·	

Figure 1

- 5. Follow the on-screen instructions and navigate C-III plus to the screen shown in Figure 2 below.
- 6. When you get to the screen shown in Figure 2, confirm TCM reprogram applies as follows.
 - A. Find the TCM **Part Number** and write it on the repair order.

NOTE: This is the <u>current</u> TCM Part Number (P/N).

		Juies	
Image: Back Image: Back	en ure Measurement Mode	🎢 X 🖿	
Configuration	peration Selection		7/7
Save ECU Data			
Touch "Save" to save operation log ar Operation log helps to restart next oper after operation has completely finished.	I the current part number as listed below to CON ation by selecting suitable operation log. Operatio	SULT. n log is erased	
File Label	*****		
Operation	REPROGRAMMING		
System 6A: <u>Cu</u>			
Part Number	XXXXX -XXXXX		
Vehicle	*****		
VIN	*****		
Date	*******	Sav	e Step 7
	Eisense O		

- Figure 2
- B. Compare the P/N you wrote down to the numbers in the **CURRENT TCM PART NUMBER** column in **Table B** below.
 - If there is a <u>match</u>, continue with the reprogramming procedure.
 - If there is <u>not a match</u>, TCM reprogramming <u>does not apply</u>. Go to ECM reprogram on page 8.

MODEL	CURRENT TCM PART NUMBER: 31039 -
	26X2A, 26X2B, 26X2C, 26X2D
	X046A, X046B
2017	X048A, X048B, X048C, X048D
Titan and Titan XD	X049A, X049B
	X052A, X052B
	X058A, X058B, X058C, X058D

7. Select Save.

- 8. Follow the on-screen instructions to navigate C-III plus and reprogram the TCM. **NOTE:**
 - In some cases, more than one new P/N for reprogramming is available.
 - > If more than one new P/N is available, the screen in Figure 3 displays.
 - Select and use the reprogramming option that does <u>not</u> have the message "Caution! Use ONLY with NTBXX-XXX".
 - If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle. Close C-III plus and refer back to ASIST for further diagnosis.

🚰 CONSULT-III plus Ver.	VIN:	Vehicle :		Country : U.S.A.
e ack Home Print	Screen Screen Mode	Recorded Data	(11.8V VI MI	
Re/programming, Configuration	Precaution	Select Program Data	Confirm Vehicle Condition	9/11
Select Program Data				
Touch and select the repr In case no reprog/program reprog/programming data i	og/programming data listed be ming data is listed below, confi n CONSULT.	low. rm the vehicle selection, VIN a	and	
System	ENGINE			<u>()</u>
Current Part Number	Part Number After Repr	o/programming O	ther Information	
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X00000X-X00000X	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	000000000000000000000000000000000000000	
X00000X-X00000X	X00000X-X00000X	00000000	000000000000000000000000000000000000000	
			010	Next

Figure 3

- Before reprogramming will start, you will be required to enter your User Name and Password.
 - > The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
 - If you do not know your User Name and Password, contact your Service Manager.

Ver.CSP44.21	VIII. 114ALOAF 1110242100	Tenicle . ALTIMA Se	uan 200 2017	States
Back Eme Print Screen	Screen Capture	Help AL	2.6V VI MI	-
Configuration	Confirm Vehicle Condition	Authentication	Transfer Data	11/12
User Authentication				
Secureauth				
Daimler WS				
	Please enter your UserID below.			
	Username:			
	Submit			
Restart Login				
	Copyright 2015 SecureAuth Corp	All rights reserved.		

Figure 4

9. When the screen in Figure 5 displays, reprogramming is complete.

NOTE: If the screen in Figure 5 does not display (indicating that reprogramming did not complete), refer to TCM Recovery on the next page.

10. Select Next.



Figure 5

NOTE: Additional steps on page 7 are required before C-III plus will provide the final reprogramming confirmation report.

TCM Recovery

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

If reprogramming does <u>not</u> complete and the "!?" icon displays as shown in Figure 6:

- 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</u> <u>first attempt and can be</u> <u>selected more than once</u>.

CONSOLTINI BUK VI	WN CONTRACTOR	Unite Vehicle	Dounty Lagar	
Bark Bane Print Sceen	Cashin Mode	woorded Date		
So responses.	Transfer Sala	Corfirm Resul	Image: A state of the state	13/13
onfirm Result				
Reprogramming or progamming is i speratikn en this ECU fouch "Rehy" to retry reprogrammin	tot completed propertly, bi g or programming.	ut you can retry reprogram		AN AN
Part number after		284B2-XXXXX		
Reprog/programming				
Reprogramming Part number before Reprog/programming		28482-XXXXX		
Reprogramming Part number sefure Reprogramming Vehicle	-	284B2-XXXXX QASHQAI		
Reprodiprogramming Part number before Beprog/programming Vehicle		28482-XXXXX QASHQAI SJNFDNJ10U1000	00	
Repropregramming Part number before Reprogramming Wehicle VIN		28482-XXXXX QASHQAI SJINFONJ10U1000 BCM	00	
Reprojpinganming Part number befire Reprogramming Vehicle VIN System Date		26482-XXXXX QASHQAI SJNFDNJ10U1000 BCM 26:07/201116300	00 Retry	,
Reprogrepsgamming Reprogrepsgamming Vehicle VIN System Date Error Code		28482-XXXXX QASHQAI SJINFONJ1601000 8CM 26/07/2011 16 30/	00 00	<i>y</i>

Figure 6

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 7:

- 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.

CONSULT-IL Blus Ver.	MIN: W	ehicle : QASHQAI	County : Japan
Bark Rone Print Screen	treen Noosummert Recorded	0 HHD 0.7V	🧶 💥 🖿 🥅 🔀
Configition	Transfer Esta	firm Reput	99
confirm Result			
Reprogramming is not completed prop -Print this screen as needed. Confirm (with procedure. -Restart CONSULT with disconnecting	erly. CONSULT version, IGN/Power s VI once, and start the reprogram	witch position, shift positio mining again.	n and etc
Part number after		26462 32323	
Reprog/programming		20402-33333	
Reprog/programming Current part number		284E2-XXXXX	
Reprogramming Current part number Vehicle	-	284E2-3XXXX QASHQAI	
Reprog/programming Current part number Vehicle VIN		28482-XXXXX QASHQAI NFDNJ10U100000	
Reprog/programming Current part number Vahicle Vihi System	6.	244E2-XXXXX 244E2-XXXXX QASHQAI NFDNJ10U100000 BCM	
Reprog/programming Current part number Vehicle VIN System Dete	6J	244E2-XXXX QASHQAI NFDNJ10U100000 BCM W072911115.30.00	
Reprog/programming Current part number Vehicle VIN System Date Information	6,1 23	28482-3000X 28482-3000X 26484QAI NEDINI19U100000 BCM 907/2911116:30:00	

Figure 7

- 11. Follow the on-screen instructions to **Confirm Shift Lever Position Display**.
- 12. Follow the on-screen instructions to Erase DTCs.
- 13. When the entire reprogramming process is complete, the screen in Figure 8 will display.

14. Verify the before and after part numbers are different.

15. Print a copy of this screen (Figure 8) and attach it to the repair order for warranty documentation.

NOTE: If you cannot print the below 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

16. Select Confirm.

ver.CSP20.30			states	
Back Home Print Screen Capture	Measurement Mode	NI × ■ 5.7V VI MI	-	
Re/programming, Configuration	Se All DTCs Print Result / Operation Complete		14/14	
Print Result / Operation Complete				
All tasks are completed. Confirm LAN acce In case CONSULT can NOT immediately ac temporally storage of this page. Touch "Sc Data Folder" on desk top, and open the fold	ss, touch "Print" to print out this page. cess to LAN or printer, Screen Capture function een Capture", and save it. Screen capture data er named "ScreenImages".	is available for is in "CIII plus		
Part number after Reprog/programming				
Part number before Reprog/programming	4			
Vehicle	*****			
VIN	*****			
System	******		Print	Step 15
Date	*****			
	1/	1	Confirm	Step 16

Figure 8

- 17. Return C-III plus to the Home screen.
- 18. Go to ECM Reprogram on the next page.

ECM Reprogram

Preparation for Reprogramming

- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:
 - Engine coolant temperature: 70 -100°C (158 - 212°F)
 - Battery voltage: More than 12.9V (At idle)
 - Transmission: Warmed up



Figure A

NOTE:

- After ECM reprogramming is complete, you will be required to perform Throttle Valve Closed Position, IAVL, and Accelerator Closed Position.
- The above conditions are required for the IAVL to complete.

CAUTION:

0/10/11	
• (Connect the GR8 to the 12V battery and set to ECM power supply mode.
	If the vehicle battery voltage goes below <u>12.0V or above 15.5V</u> during
r	reprogramming, the ECM may be damaged.
•	Be sure to turn OFF all vehicle electrical loads.
I	If a vehicle electrical load remains ON, the ECM may be damaged.
•	Be sure to connect the AC Adapter.
I	If the CONSULT PC battery voltage drops during reprogramming, the process
١	will be interrupted and <u>the ECM may be damaged</u> .
• -	Turn OFF all external Bluetooth [®] devices (e.g., cell phones, printers, etc.)
١	within range of the CONSULT PC and the plus VI. If Bluetooth [®] signal waves
6	are within range of the CONSULT PC during reprogramming, reprogramming
r	may be interrupted and the ECM may be damaged.

- 19. Confirm C-III plus is on the Home Screen (see Figure 9).
- 20. Confirm the ignition is ON, with engine OFF.
- 21. Confirm the plus VI is recognized.
 - The Serial No. will display when the plus VI is recognized.
- 22. Select Re/programming, Configuration.



23. Follow the on-screen instructions and navigate C-III plus to the screen shown in Figure 10 on the next page.

- 24. When you get to the screen shown in Figure 10, confirm ECM reprogramming applies as follows.
 - A. Find the ECM **Part Number** and write it on the repair order.

NOTE: This is the <u>current</u> ECM Part Number (P/N).

Back Home Print Screen Screen Capture	Measurement Recorded Data	11.9V VI MI		
Save ECU Data				
Touch "Save" to save operation log and th Operation log helps to restart next operatio after operation has completely finished.	e current part number as listed below to COI n by selecting suitable operation log. Operati	ISULT. on log is erased		
File Label	*****			
Operation	REPROGRAMMING			
System 24A: <u>Curr</u>	ent P/N			
Part Number	xxxxx -xxxxx			
Vehicle	*****			
VIN	******			
Date	*****		Save	Step 25
	F ' 1 0			

Figure 10

- B. Compare the P/N you wrote down to the numbers in the **Current ECM Part Number** column in **Table A** on the next page.
 - If there is a <u>match</u>, continue with the ECM reprogramming procedure.
 - If there is <u>not a match</u>, ECM reprogramming <u>does not apply</u>. Go to step 48.

Model	Current FCM Part Number: 23710 -
ine act	
	EZU1A, EZU2A, EZU3A, EZU4A, EZU5A, EZU6A, EZU7A. EZU8A
	EZ10A, EZ11A, EZ13A, EZ14A, EZ16A, EZ17A, EZ19A, EZ24A
	EZ26A, EZ27A, EZ28A, EZ29A
	EZ36A, EZ37A, EZ38A, EZ39A
	EZ01B, EZ02B, EZ03B, EZ04B, EZ05B, EZ06B, EZ07B, EZ08B
2017 Titan	EZ10B, EZ11B, EZ13B, EZ14B, EZ16B, EZ17B, EZ19B, EZ24B
and Litan XD	EZ26B, EZ27B, EZ28B, EZ29B
	EZ36B, EZ37B, EZ38B, EZ39B
	EZ10C, EZ11C, EZ13C, EZ14C, EZ16C, EZ17C, EZ19C, EZ24C
	EZ10D, EZ11D, EZ13D, EZ14D, EZ16D, EZ17D, EZ19D, EZ24D
	EZ10E, EZ11E, EZ13E, EZ14E, EZ16E, EZ17E, EZ19E, EZ24E

Table A

26. Follow the on-screen instructions to navigate C-III plus and reprogram the ECM.

NOTE:

- In some cases, more than one new P/N for reprogramming is available.
 - > If more than one new P/N is available, the screen in Figure 11 displays.
 - Select and use the reprogramming option that does <u>not</u> have the message "Caution! Use ONLY with NTBXX-XXX".
- If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle. Close C-III plus and refer back to ASIST for further diagnosis.

CONSULT-III plus Ver.	VIN:	Vehicle :	Country : U.S.A.
Back Home Prin	t Screen Capture	Recorded Help	🕋 🏹 🗙 🖿 🔜 🔀
Configuration	Precaution	Select Program Data	Confirm Vehicle Condition
Select Program Data			
Touch and select the rep In case no reprog/program reprog/programming data	rog/programming data listed be nming data is listed below, confi in CONSULT.	low. Im the vehicle selection, VIN and	
System	ENGINE]	
Current Part Number	Part Number After Repr	o/programming Othe	r Information
X00000X-X00000X	X00000X-X00000X	0000000000	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
X00000X-X00000X	X00000X-X00000X	000000000000000000000000000000000000000	000000000000000000000000000000000000000
			Nevt
		0	

Figure 11

- Before reprogramming will start, you may be required to enter your User Name and Password.
 - > The CONSULT PC must be connected to the Internet (Wi-Fi or cable).
 - If you do not know your User Name and Password, contact your Service Manager.

Ver.CSP44.21	TIN. 114ALOAF 1110242100	Tellivie . AL TIMA Seve	an 200 2017	States
Back Eme Print Screen	Screen apture Mode Recorded Data	Help	N TAI X I	
Re/programming, Configuration	Confirm Vehicle Condition	uthentication Tra	ansfer Data	11/12
User Authentication				
SECUREAUTH				
Daimler WS				
	Please enter your UserID below.			
	Username:			
	Password:			
	Submit			
Restart Login				Secure Autor
	Copyright 2015 SecureAuth Corp. A	al rights reserved.		

Figure 12

27. When the screen in Figure 13 displays, reprogramming is complete.

NOTE: If the screen in Figure 13 does not display (indicating that reprogramming did not complete), refer to ECM Recovery on the next page.

- 28. Disconnect the GR8 (battery charger) from the vehicle.
- 29. Select Next.



Figure 13

NOTE: Additional steps on page 14 are required before C-III plus will provide the final reprogramming confirmation report.

ECM Recovery

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

If reprogramming does <u>not</u> complete and the "!?" icon displays as shown in Figure 14:

- 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</u> <u>first attempt and can be</u> <u>selected more than once</u>.

CONSULT IT plus Ver	WN CONTRACTOR	Mahida		Dounty : Jacon
Bark Hone Phrt Sceen	Arten Mode	Water Holp		X
So responsering	Transfer Data	Corfirm Resul		13/13
Confirm Result				
Reprogramming or progamming is a operation on this ECU. Touch "Retry" to letty reprogrammin	rot completed propertly, b g or programming.	ut you can refry reprogr	programming	
Part number after Reprograngesiming		284B2-XXXX	x	
Part number before Reprog/programming		28482-XXXX	x	
Vehicle		QASHQAI		
VIN		SJNFDNJ10U10	0000	
System		вси		
Date		26/07/2011 16:3	0.00	Patry
Error Code				

Figure 14

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 15:

- 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.

	Ver.	VIN	Vehicle ; QASHQAI		County : Japan
Bark Hone	Prist Screer	Ecreen Neasurent	Nacity Help	0.3V VI M	-
Configition		Transfer Data	Confirm Reput		9/9
Confirm Result					
Reprogramming is no -Print this screen as n with procedure. -Restart CONSULT w	t completed proceeded. Confir ith disconnect	operly. n CONSULT version, IGN ng VI onse, and start the	UPower switch position, r reprogramming again.	shift position and etc	
Part number after Reprog/programming			284E2-XXXXX	1	
Current part number			284E2-XXXXX	2	
Vehicle			QASHQAI		
VIN			SJNFDNJ10U100	000	
System			BCM		
Date			25/07/2011 16:30	00	
information					
Errer Code					Print



Throttle Valve Closed Position

- 30. Follow the on-screen instructions to perform **Throttle Valve Closed Position** procedure.
 - Follow the on-screen instructions (1, 2, and 3) to complete the procedure.

		ack Image: Confirm Result Image: Confirm Result <t< th=""><th>13/16</th></t<>	13/16
	Thro	ttle Valve Closed Position	
	Ор	erate according to the following procedures.	
(1		_
		Make sure that accelerator pedal is fully released, turn ignition ON, and turn ignition OFF. And then the count	
		Current status of ignition ON switch	
Step			
		Time	
	2		
	1	Make sure that throttle valve moves during count down of 10 seconds by confirming the operating sound.	
	3	Tauch "Next" to go to part apartica	
		Fouch Next to go to flext operation.	Next
			Next

Figure 16

.

IMPORTANT: The next step is to perform **Idle Air Volume Learn** (IAVL). However, at this time it will <u>NOT</u> complete correctly and <u>will error</u>. IAVL will be completed later after DTC clear at Step 39.

- 31. For ECM reprogramming: Perform **Idle Air Volume Learn** (IAVL) as described in Steps a through c until error occurs.
 - a. Turn the ignition ON (ENGINE OFF).
 - b. Select Next.

Back Borne Print Screen	n re Measurement Mode Recorded Data	13.1V VI MI
Re/programming, Configuration	ottle Valve Closed Idle Air Volume Position Learning	Accelerator Pedal Closed Position 14/16
Idle Air Volume Learning		
THIS FUNCTION ALLOWS THE ECM TO I PROPER ENGINE SPEED AT IDLE. ALWAYS PERFORM THIS MODE AFTER WHEN IDLE SPEED OR IGNITION TIMINO SEE SERVICE MANUAL FOR DETAILS.	LEARN THE POSITION OF THE IACV-AAC WHIC REPLACEMENT OF IACV-AAC VALVE, THROTT S IS OUT OF SPECIFICATION.	THE BODY, ECM OR
Current status	Waiting	g for your operation Step
Monitor Item	1	
ENG SPEED		rpm

Figure 17

c. Select Start.

CONSULT-III plus Ver.64.41	VIN:JN8AY2ND4H9000163	Vehicle : ARMADA Y62 20	017 Country : United States		
Back Reme Print Screen	reen pture Mode	Help ERT 14.6V	VI MI X		
Re/programming, Configuration	hrottle Valve Closed Idle Ai Position Lea	r Volume Acceler arning Closed	ator Pedal Position 14/16		
Idle Air Volume Learning					
This function allows the ECM to learn the position of the IACV-AAC which maintains proper engine speed at idle. Always perform this mode after replacement of IACV-AAC valve, throttle body, ECM or when idle speed or ignition timing is out of specification. To confirm the vehicle condition such as coolant temperature to perform this operation, service manual $1/2$					
Current status		Waiting for you	ur operation Step 31c		
Monitor Item					
LOAD SIGNAL		Off			
AIR COND SIG		Off			
PW/ST SIGNAL		Off			
P/N POSI SW		On			
HEATER FAN SW		Off			
CLOSED LOOP		CMPLT			
COOLANT TEMP/S		46 °C			
1/2					

Figure 18

d. Wait for Current Status to change to Error.

CONSULT-III plus Ver.64.41	VIN:JN8AY2ND4H9000163	Vehicle : ARMA	DA Y62 2017	Country : United States	
Back Back Print Screen	creen apture Mode Recorder Data	d RT	(14.6V VI MI		
Re/programming, Configuration	hrottle Valve Closed Position	dle Air Volume Learning	Accelerator Pedal Closed Position	14/16	
Idle Air Volume Learning					
This function allows the ECM to learn at idle. Always perform this mode after replac ignition timing is out of specification. To confirm the vehicle condition such	the position of the IACV-AA ement of IACV-AAC valve, th as coolant temperature to p	C which maintains pro hrottle body, ECM or v perform this operation 1	oper engine speed when idle speed of , service manual / 2	Retry	
Current status			Er	ror Step 31d	
Monitor Item					
LOAD SIGNAL		ОК			
AIR COND SIG		ок			
PW/ST SIGNAL		ок			
P/N POSI SW		ок			
HEATER FAN SW		ок			
CLOSED LOOP		ок			
COOLANT TEMP/S		NG			
1/2 Next					

Figure 19

.

e. Select Next.

CONSULT-III plus Ver.64.41	VIN:JN8AY2ND4H9000163	Vehicle : ARMADA Y	62 2017	Country : United States
Back Back Print Screen	Measurement Mode	Help ERT 14.	6V VI MI	
Re/programming, Configuration	hrottle Valve Closed Position	Air Volume Acc Learning Cl	celerator Pedal osed Position	14/16
Idle Air Volume Learning				
This function allows the ECM to learn t at idle. Always perform this mode after replace ignition timing is out of specification. To confirm the vehicle condition such	the position of the IACV-AAC ement of IACV-AAC valve, thro as coolant temperature to per	which maintains proper ottle body, ECM or wher form this operation, ser	engine speed n idle speed or vice manual	Retry
		1 / 2		
Current status			Error	r
Monitor Item				
LOAD SIGNAL		ок		
AIR COND SIG		ок		
PW/ST SIGNAL		ок		
P/N POSI SW		ок		
HEATER FAN SW		ок		
CLOSED LOOP		OK		
COOLANT TEMP/S		NG S	ten	
		3		Next

Figure 20

Accelerator Pedal Close Position Learning

32. Follow the on screen instructions to complete **Accelerator Pedal Close Position** Learning.

	CONSULT-III plus Ver.64.41	VIN:JN8AY2ND4H9000163	Vehicle : ARMADA Y62 2017	Country : United States
	Back Home Print Screet	Screen Capture	Help ERT 14.6V VI MI	
	Re/programming, Configuration	Idle Air Volume	celerator Pedal losed Position Confirmation Start up Engine	15/16
	Accelerator Pedal Closed Positio	n		
Step 32	According to the instruction b 1. Turn ignition switch to the C 2. Turn ignition switch to the C 3. Repeat the procedure (1) an 4. Turn ignition switch to the OF	elow, perform Accelerator Pedal C IFF position, and hold it for 10 sec IN position, and hold it for 2 secon d (2) twice. F position.	iose Position Learning procedure. onds or more. ds or more.	
	Current status of ignition switch	ON		
	Time (sec)			
	IGN SW ON	2 sec 2	sec 2 sec	
	IGN SW OFF 10 sec	10 sec	10 sec	
		Figure	21	
		i iguic i		

.

33. Confirm engine start-up.

a. Select Next.

G (CONSULT-III plus Ve	er.64.41 V	/IN:JN8AY2ND4H9000163	Vehicle : A	RMADA Y62 2	2017	Country : United States
Back Home	Print Screen	Measurement Mode	Pelp (▲ ERT 14.7V	VI MI	
Re/programming Configuration		ccelerator Pedal Confi Closed Position	irmation Start Ip Engine			16/16
Confirmation Start up Er	ngine					
Operate according to the	he following proce	dures.				
1 Conform that the en	gine starts normally	ı.				
2 Conform the engine	keeps idling normal	lly.				
3						
Touch "Next" to go	to next operation.					
In case engine will NO operation at once, and	T starts, and in cas perform necessar	se engine can NOT keep idli y diagnosis and repair.	ing normally,	complete all c	of the	
						Next

Figure 22

34. Erase all DTCs as follows:

- a. Turn the ignition OFF
- b. Turn the Ignition ON with engine off.
- c. Wait for DTC erase to complete.

CONSULT-III plus Ver.64.41	VIN:JN8AY2ND4H9000163	Vehicle : ARMADA Y62 2	2017 Country : United States
Back Home Print Screen	Screen Capture	d RT Help	
Re/programming, Configuration	Confirmation Start up Engine	Frase All DTCs Print Operation	t Result / on Complete 17/18
Erase All DTCs			
According to the instruction below,	erase All DTCs.		
Current status of ignition switch	ON		
	Turn igniti	on ON > OFF	> ON

Figure 23

- 35. When the entire reprogramming process is complete, the screen in Figure 24 will display.
- 36. Verify the before and after part numbers are different.
- 37. Print a copy of this screen (Figure 24) and attach it to the repair order for warranty documentation.

NOTE: If you cannot print the below 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

38. Select Confirm.

Ver.CSP20.30			States	1			
Back Home Print Screen Capture	Measurement Mode Recorded Data Help 13.	7V VI MI					
Re/programming, Configuration	se 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 CONSULT 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 "Cill plus Data Folder" on desk top, and open the folder named "ScreenImages".							
Part number after Reprog/programming							
Part number before Reprog/programming							
Vehicle	*****						
VIN	********						
System	*****		Print	Step			
Date	*****						
	1/1		Confirm	Step 38			
I				<u> </u>			

Figure 24

Idle Air Volume Learn (IAVL)

- 39. After selecting **Confirm** in the previous step, the CONSULT- III plus Home screen below will be displayed.
- 40. Select Diagnosis (One System).

💽 CONSU	LT-III plus V	er.64.41	VIN:-			Vehicl	e : -	_			Country	y : United			
Back	Home	Print Screen	Screen Capture	Measurement Mode	Recorde Data	ed Help	ERT	14.6V	VI	×			\mathbf{X}		
Connee	ction Stat	us				Diagnosi	s Menu	u u							
	Serial No		State	us		Пр	iagno	sis (O	ne S	vste	em)		k	1	Step
			I.					(,	,		ןך		40
VI	231695	1	Normal Mo conne	ode/USB ction			iagno	sis (A	ll Sy	sten	ıs)				
мі			6)											
	-		No conn	ection			e/prog	gramn	ning,	Сог	nfigur	ation			
800	Select V	I/MI				in a second	nmobi	lizer							
Applicat	tion Settin	g								_					
SUB	Sub mode		ABC	juage Settin	,	<u>_</u> М	ainter	nance							
	VDR														

Figure 25

41. Select ENGINE.

	GT CONSULT-III plus Ver.64.41	VIN:-	Vehicle : -	Country : United States					
	Back Home Print Screen	Screen Capture	Help ERT 14.6V	vi 🕺 🖿 🥅 🔀					
	Diagnosis (One System) System Selection								
	NISSAN/INFINITI/DATSUN								
	Group	All system	s 🔻						
Step 41	ENGINE	TRANSMISSION	BAC	DIU					
	ABS	MULTI AV	SUB METER	AUTO SLIDE DOOR					
	METER/M&A	EH\$/PKB	CONVERTIBLE ROOF	PRECRASH SEATBELT					
	ВСМ	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.					
	AIR BAG	EPS/DAST 3	EPS/DAST 3 e-4WD ALL						
	ICC/ADAS	IPDM E/R	LASER/RADAR	DIFF LOCK					
	нуас	AIR PRESSURE MONITOR	INTELLIGENT KEY	4WAS(MAIN)/RAS/HICAS					
	Sort : Default Setting	V		1/5					

Figure 26

42. Select the Work support tab.

CONSULT-III plus	Ver.64.41 VI	N:-	Vehicle : -	_	Country : United States
Back Home	Print Screen Captur	Measurement Mode	Porded Help	14.6V VI MI	-
Diagnosis (One System)	System Select	ion			
Self Diagnostic	Data Monitor	Work support	Active Test	ECU Identification	
- No DTC is Further te	s detected. sting may be required.		-		
		Step	k	<u>^</u>	-
		42			
					Print
					Save
				1/1	ERASE
			~ -		

Figure 27

43. Select IDLE AIR VOL LEARN.



Figure 28

44. Select Start.

45. Perform Idle Air Volume Learn (IAVL).

a. Start the engine and let it idle.

b. Select Next.

CONSULT-III plus Ver.73.10	VIN:1N6AA1E63HN5	22704 Vehicle	: TITAN A61 2017	Country : United States
Back Home Print Screen	Screen Capture	Recorded Data	ERT 14.6V VI	× • • • •
Re/programming, Configuration	Throttle Valve Closed Position	Idle Air Volume Learning	Accelerator P Closed Positi	edal ion 15/17
Idle Air Volume Learning				
This function allows the ECM to learn at idle. Always perform this mode after repla ignition timing is out of specification To confirm the vehicle condition suc	n the position of the IA cement of IACV-AAC n n. h as coolant temperat	CV-AAC which main valve, throttle body, ure to perform this o	ntains proper engine sp ECM or when idle spea operation, service man	ed or Next
Current status			1 / 2	
Monitor Item				Step 45b
LOAD SIGNAL				
AIR COND SIG				
PW/ST SIGNAL				
P/N POSI SW				
HEATER FAN SW				
CLOSED LOOP				
COOLANT TEMP/S			°C	
			1/2	

Figure 29

.

c. Select Start.

CONSULT-III plus Ver.64.41	VIN:JN8AY2ND4H9000163	Vehicle : ARMADA Y62	2017	Country : United States			
Back Reme Reme Reme Reme Reme Reme Reme Rem	reen pture Mode Recorded Data	Image: Weight Heip Image: Weight Heip Image: Weight Heip Image: Weight Heip Heip Image: Weight Heip Im	VI MI				
Re/programming, Configuration	hrottle Valve Closed Position	Air Volume earning Clos	erator Pedal ed Position	14/16			
Idle Air Volume Learning							
This function allows the ECM to learn the position of the IACV-AAC which maintains proper engine speed at idle. Always perform this mode after replacement of IACV-AAC valve, throttle body, ECM or when idle speed or ignition timing is out of specification. To confirm the vehicle condition such as coolant temperature to perform this operation, service manual							
		1 / 2					
Current status		Waiting for y	our operation	Step			
Monitor Item				45c			
LOAD SIGNAL		Off					
AIR COND SIG		Off					
PW/ST SIGNAL		Off					
P/N POSI SW		On					
HEATER FAN SW		Off					
CLOSED LOOP		CMPLT					
COOLANT TEMP/S		46 °C					
1/2							

Figure 30

NOTE:

- Listed below are the conditions required for IAVL to complete.
- $\circ~$ If IAVL does not complete within a few minutes, a condition may be out of range.
 - Engine coolant temperature: 70 -105° C (158 221°F)
 - Battery voltage: More than 12.9V (At idle)
 - Selector lever: P or N
 - > Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
 - Steering wheel: Neutral (Straight-ahead position)
 - Vehicle speed: Stopped
 - > Transmission: Warmed up (ATF TEMP SE less than 0.9V)

d. Wait for IAVL to complete.

CONSULT-III plus Ver.64.41	VIN:-	Vehic	:le : -			Country : United	
Back Rome Print Screen	creen apture	ecorded Data	ERT	(14.6V VI	X MI		
Diagnosis (One System) System Se	election ENGINE						
Vork support : IDLE AIR VOL LEARN							
This function allows the ECM to learn the position of the IACV-AAC which maintains proper engine speed at idle. Always perform this mode after replacement of IACV-AAC valve, throttle body, ECM or when idle speed or ignition timing is out of specification. To confirm the vehicle condition such as coolant temperature to perform this operation, service manual							
						Ste	
Current status							
Monitor Item							
LOAD SIGNAL			Off]	
AIR COND SIG			Off				
PW/ST SIGNAL			Off				
P/N POSI SW			On				
HEATER FAN SW			Off				
CLOSED LOOP			CMPLT			1	
COOLANT TEMP/S			76	°C			
	I		1	/2		End	

Figure 31

46. Select End.

- 47. Make sure both the TCM and ECM have been checked and reprogrammed, if needed.
- 48. Close C-III plus.
- 49. Turn the ignition OFF.
- 50. Disconnect the plus VI from the vehicle.

CLAIMS INFORMATION

Submit a Campaign (CM) line claim using the following claims coding:

CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
	Reprogram TCM and ECM	PC6040	0.8 hrs.
PC604	Does Not Require Reprogram	PC6044	0.3 hrs.