



Date: July 19, 2021

RA20-004A

NTB20-095A

2021 ROGUE; AWD COUPLER SERVICE INFORMATION

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

**APPLIED VEHICLE: APPLIED SYSTEM:** 

2021 Rogue (T33) AWD

# SERVICE INFORMATION

The AWD coupler on the **APPLIED VEHICLE** listed above is available as a separate service part.

When replacement of the AWD coupler is required, DO NOT follow the ESM procedure. Instead, follow the procedure outlined in this service bulletin.

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

## Save ECU Data

# NOTICE

Perform the following before starting the 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<sup>®</sup> devices (e.g., cell phones, printers, etc.) within range of the CONSULT PC and the VI. If Bluetooth<sup>®</sup> 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.
- 1. Open C-III plus and select **Re/programming, Configuration**.

	Seriel No.	Sides	Diagnosis (One System)
VI	2301334	Normal Wode/Wireless	Diagnosis (All Systems)
MI	÷	No connection	Configuration
18	Select VI/MI		Immobilizer
pplicat	tion Setting	ABC Language Setting	Maintenance

Figure 1

2. Use the arrows (if needed) to view and read all precautions.

CONSULT-III plus Ver.204.10 Ver.CSP48.10	VIN:- Vehicle:-	Country : United States
Back Home Print Screen	Zeen Meaksurmeent Modé Recorded Data	12.4V VI MI
Configuration	Precaution	Vehicle Selection
recaution		
touch "Next".		
<ol> <li>Follow the operation guide displaye 2. "Back" and "Home" button may no For reprogramming and programmin 1. Install the latest version of the CON CONSULT-III plus PC.</li> <li>Preparation and read the service m For ECU Configuration</li> <li>Need to write the configuration dat 2. If writing the wrong configuration dat For ECU Configuration using manual 1. Confirm the vehicle's spec and its c configuration data, ECU can not work 2. Operate the saving completely. Do n</li> </ol>	Id on screen. It be used on this flow. g SUT-III plus sortware, reprogramming/program anual or reprogramming procedure sheet. It on ew ECU, after replace it. ata, ECU can not work. Please write the right mode onfiguration spec, following the service manue Please write the right data.	nming data to this data. a). If writing the wrong
Confirmed instructions		Next

Figure 2

- 3. Select **Confirmed instructions**.
- 4. Select Next.



Figure 3

- 5. Select the correct vehicle information.
- 6. Select **OK**.

CONSULT-III plus	Ver.204.10 VIN:-	Vehicle : -	Country : United States
Vehicle Selection	VIN corresponds to multipl Select the corresponding ve	le vehicles. shicle.	-
Ve sta Ve	Vehicle Name :		Model Year :
	ARMADA		2021MY
	FRONTIER		
7	ROGUE		
	OK	1/1 <b>C</b>	1/1 and ancel
		Figure 4	

- 7. Verify the correct VIN is populated.
- 8. Select Confirm.

		States
Back Home Print Screen Capture M	Recorded Data	× 🗭 💻 🔀
Diag Syst	Confirm Vehicle	
Please confirm selected information and touch touch "Change".	"Confirm". In case you want to select another vehicle,	
VIN or Chassis #	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
Vehicle Name :	ROGUE	
Model Year	2021MY	
	1/1	P
		Change
		V

Figure 5

# 9. Select Confirm.

CONSULT-III plu	Ver.204.10 Ver.C SP48.10	VIN:	Ve	hicle : ROGU	E T33 2021	Country : United States
Back Home	e Print Screen	Screen Capture Mode	Recorded Hel	ERT		X 🗭 🥅 🔀
Re/program	nming.	Vehicle Confirmatio	a Input VI	N		4/4
put VIN						
					(ar	
VIN (17 or 18 d	igits) XNR	WWW.XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	300307	~		
						Confirm
		-				

Figure 6

10. Select ALL MODE AWD/4WD.

		Vehicle : R	OGUE T33 2021	State
Back Home Print Screen Capi	nem Measurement Recorded Data	Halp t	RT 11.9V V	<u>M</u>
Configuration	Operation Log Selection Syste	em Selection	Operation S	election
ystem Selection				
			·	
ALL MODE AWD/4WD	AIR BAG		T	HVAC
ALL MODE AWD/4WD BCM	AIR BAG	DOOR	-	HVAC
ALL MODE AWD/4WD BCM SONAR	AIR BAG AUTO BACK I Side radar (Re	DOOR ar left)	c	HVAC AVM HASSIS CONT
ALL MODE AWD/4WD BCM SONAR LANE CAMERA	AIR BAG AUTO BACK I Side radar (Re Side radar (Rea	DOOR ar left) r right)	c	HVAC AVM HASSIS CONT TRANSMISSI

Figure 7

11. Select Before ECU Replacement.

Image: Selection       ory.
Selection
ory. nming ECU, touch "Reprogramming".
ory. nming ECU, touch "Reprogramming".
nming ECU, touch "Reprogramming".
nming ECU, touch "Reprogramming".
Touch "Before ECII Replacement"
ement Operation log with part number is say to CONSULT.

Figure 8

12. Select Save.

CONSULT-III plus Ver.204.10	VIN:	Vehicle : R	DGUE T33 2021	Country : United States
Back Home Print Screen	Capture Mode	Recorded Help		K 🗖 📃 🔀
Re/programming, Configuration	Operation Selection	Save ECU Data		8/8
Save ECU Data	_			
Touch "Save" to save operation lo Operation log helps to restart next after operation has completely finisi	g and the current part n operation by selecting s red.	umber as listed below i suitable operation log. O	o CONSULT. peration log is erased	
File Label		XXXXXXXXXXXX	XXXXXX	
Operation		Programming (Blan	k ECU)	
System		ALL MODE AWD	4WD	
Part Number		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	X	
Vehicle		T33ROGUE		
VIN		XXXXXXXXXX	XXXXXX	
Date		XXXXXXXXXX	exax	A Sauce
				Save

Figure 9

#### 13. Select Next.

CONSULT-III plus Ver.CSP48.10	VIN:	Vehicle : ROGU	E T33 2021	Country : United States
Back Home Print Screen	Screen Capture	Recorded Data	13.2V VI	X 🗖 📃 🔀
Re/programming, Configuration	Operation Selection	Save ECU Data		8/8
ave ECU Data				
"Next" and replace ECU. After replacement of ECU, operation	n can start from suitable	operation by selecting this	operation log.	
File Label		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	€XXX	
Operation		Programming (Blank EC	ະບ)	
System		ALL MODE AWD/4WE	0	
Part Number		4165900X900CX		
Vehicle		T33ROGUE		Other
VIN		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	XXX	Operation
Date		12/17/2020 1:15:17 PM	1	Next

Figure 10

14. If the screen in Figure 11 displays, select **Home**. If the screen in Figure 11 does not display, skip to step 15.

CONSULT-III plus Ver.203.30 Ver.CSP48.10	VIN:	Veh	icle : ROGUE T33 2021	Country : United States
Back Home Print Screen	Screen Capture	Recorded Data	ERT 12.7V VI N	K 💻 🔜 🔀
Re/programming, Configuration	Erase All DTCs	Print Resu Operation Cor	lt / nplete	17/17
Print Result / Operation Complete				
All tasks for programming or touch "Screen Capture perform "Diagnosis (All S Screen capture data is sa "Screenimages".	"Complete Operation backing Home once necessary documen Erasing process is n system. Erase it in S	n" Screen is no lon In case "Complete It, touch "Cancel" ot performed to "N elf-Diag Results so	ger shown after d e Operation" Screen is to back previous screen. lo support for All DTC" reen of each system.	re,
Part number after Reprog/programming				
Part number before Reprog/programming	D			
Vehicle	9			
VIN	Home		Cancel	Print
System				
Date		10/21/2020	) 2:55:08 PM	Other Operation
			1/1	Confirm

Figure 11

- 15. Close C-III plus.
- 16. Turn the ignition OFF.
  - It may be necessary to hold the start button in for several seconds for the ignition to turn OFF.
- 17. Disconnect the battery maintainer or smart charger.

# **Replace AWD Coupler**

18. Raise and support the vehicle.

# **A**WARNING

To prevent serious burns, avoid contact with hot metal parts. Perform the operation after the exhaust system has fully cooled down because the system will be hot just after the engine stops.

19. Remove the propeller shaft rear flange fasteners, and tie the propeller shaft aside with a suitable strap.



Figure 12

- 20. Disconnect the AWD coupler electrical connector.
  - The gray lock tab must be pulled outward before the connector will disconnect.



Figure 13

- 21. Place a drain pan under the rear coupler.
- 22. Remove the four (4) AWD coupler bolts.



Figure 14

 Fluid may start to drain from between the AWD coupler and the differential.



Figure 15

- 23. Remove the AWD coupler from the differential. If necessary, there are three (3) tool pry points where light pressure can be applied to remove the AWD coupler from the differential.
  - Figure 16 shows two (2) of the three (3) tool pry points.
  - The third tool pry point is located near the passenger side upper AWD coupler bolt (not shown).



Figure 16

24. With the AWD coupler removed, locate the blue reference mark on the differential pinion shaft. If necessary, rotate one of the rear wheels until the blue reference mark is aligned with the driver side coupler lower bolt hole, as shown in Figure 17.



Figure 17

25. On the new AWD coupler, locate the black reference mark and align it with the driver side coupler lower bolt hole, as shown in Figure 18.



Figure 18

- 26. Install the new AWD coupler.
  - Keep the black reference mark aligned with the driver side coupler lower bolt hole, as close as possible, while installing the new AWD coupler.
  - It may be necessary to slightly rotate the AWD coupler flange during installation, to align the splines.
  - Ensure the coupler seats fully with the differential housing before installing the coupler bolts.
  - Do NOT use excessive force to seat the coupler to the differential housing.
  - Torque the four (4) AWD coupler bolts in a diagonal pattern to 30 N•m (3.06 kg-m, 22 ft-lb).



Figure 19

- 27. Remove the strap from the propeller shaft.
- 28. Align the outer edges of the mating surface of the propeller shaft flange with the mating surface of the AWD coupler flange.
  - The mating surface flanges should be completely flush with one another.
  - If the mating surface flanges are not completely flush with one another, rotate the position of the propeller shaft 90 degrees and recheck.
  - Install new propeller shaft rear flange bolts and nuts.
  - Torque the propeller shaft rear flange bolts/nuts in a diagonal pattern to 50 N•m (5.10 kg-m, 37 ft-lb).



Figure 20

29. Reconnect the AWD coupler electrical connector.



Figure 21

• Engage the AWD coupler electrical connector gray lock tab by pushing inward.



Figure 22

30. Remove the AWD coupler filler plug using a 10 mm hex socket.



Figure 23

- 31. Fill the AWD coupler.
  - Only use a dedicated fluid pump that has not been used for other types of fluids.
  - See **PARTS INFORMATION** for coupling fluid information.
  - Fill the AWD coupler until fluid starts to come out of the filler hole.
  - Temporarily reinstall the filler plug using the original sealing washer.
  - Torque the filler plug to 35 Nom (3.57 kg-m, 26 ft-lb).



Figure 24

32. Lower the vehicle.

### Write ROM Data To New AWD Coupler

33. Turn the ignition ON.

VI 2301334	and the second se
Normal Node/Wreless connection Diagnosi	s (All Systems)
MI - No connection	amming, Configuration
Select VI/MI	zer
Sub mode	ince

34. Select Re/programming, Configuration.

Figure 25

35. Use the arrows (if needed) to view and read all precautions.



Figure 26

# 36. Select Confirmed instructions.

# 37. Select Next.

	JLT-III plus	Ver.CSP48.10	VIN:-		Vehicle : -		Country : Unit States
Back	Home	Print Screen	Screen Capture	ment Recorded Data	Help ERT	12.4V VI	× 🗰 👝
50	Re/programmin Configuration	ng.			Precaution	Vehicle Selection	
Precaution							
Caution:	the operation	on quide dis	played on screen.				
2. "Back" -For repr 1. Install CONSUL 2. Prepar -For ECU 1. Need t 2. If writin -For ECU 1. Confirm configura 2. Operat	and "Horn ogramming the latest ve T-III plus PC ation and n I Configurat o write the ag the wron Configurat Configurat the vehicl thon data, E e the saving	ne" button ma and program resion of the i configuration g configuration g configuration g configuration con using ma con using ma completely. I	ay not be used on in mining CONSULT-III plus s ce manual or repro- le data to new ECU, on data, ECU can anual mode its configuration s work. Please write Do not abort without	this flow. ortware, reprog ogramming prov after replace it not work. Pleas pec, following to the right data. It saving data.	ramming/program cedure sheet.  e write the right ( he service manua	uming data to this data. I. If writing the wro	ong

Figure 27

- 38. Select the correct vehicle information.
- 39. Select OK.

CONSULT-III p	Ver.CSP48.10 VIN:-	Vehicle : -	Country 3 United States
vehicle Selection	VIN corresponds to multiple vehicle Select the corresponding vehicle.	ek.	-
Ve sta Ve	Vehicle Name :	Model Year	·
	ARMADA		2021MY
	FRONTIER		
d l	ROGUE		
	-	1/1	1/1
	ок	Cancel	
-	r -		

Figure 28

- 40. Verify the correct VIN is populated.
- 41. Select Confirm.

CONSULT-III plus Ver.204.10	VIN:-	Vehicle : -	Country : United States
Back Back	Screen Moder	orded Help ERT 12.0	è 🏗 🖌 🖿 🥅 🔀
Diagnosis (Ali Systems) Select	t Vehicle Confirm Vehi	cie	
Please confirm selected informatio touch "Change".	n and touch "Confirm". In	case you want to select anot	her vehicle,
VIN or Chassis #	XX	XXXXXXXXXXXXX	
Vehicle Name :		ROGUE	
Model Year		2021MY	
		1/1	4
			Change
		_	
			Confirm

Figure 29

42. Select Confirm.

Back Home	Print Screen	(i)	0 90		
		Capture Mode	Recorded Help	ERT 12.0V VI M	à 📕 👝 🔯
Configuration	ning.	Vehicle Confirmation	Input VIN		4/4
nput VIN					1
VIN (17 or 18 dig	its) XMXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	NXXX	-	

Figure 30

43. Confirm System is ALL MODE AWD/4WD, and then select Confirm.

CONSULT-III plus Ver.204.10	VIN:	Vehicle : ROGUE T33 2021	Country : United States
e Cack Come Print Screen	Screen Capture Mode	d 😧 🛕 ERT 11.9V VI M	
Re/programming, Configuration	Input VIN	Operation Log Selection	(m)
peration Log Selection			
In case you want to write the save data list (left side), and confirm the want to do other operation, touch "	data from CONSULT to vehicle detail (right side). If the detail i Other Operation".	ECU, touch and select the data in Save s OK, and touch "Confirm". In case yo	
Saved Data List	Saved Data Detail	1	
****	Operation		
	System	ALL MODE AWD/4WD	
r	Part number/Type ID	XXXXXXXXXXXX	
	Vehicle	ROGUE	Delete
	VIN	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Other
	Saved Date	12/11/2020 9:37:10 AM	operation
			Confirm

Figure 31

44. Select Yes.

CONSULT-III plus Ver.204.10 Ver.CSP48.10	VIN:	Vehicle : ROGUE	T33 2021	Country : United States
Back Home Print Screen	Screen Capture	Recorded Data	13.2V VI MI	
Re/programming, Configuration	Input VIN	Operation Log Selection		
Operation Log Selection				
CONSULT has the saved in case you want to write data list (left side), and co want to do other operation	Selected operation log Is this OK?	data is adopted.	e	
Saved Data List				
	Yes	No		Delete
	VIN	X X X X X X X X X X X X X X X X X X X X	MVX2003300XXX	Other
	Saved Date	12/17/2020	1:24:11 PM	
1/1		1	/1	Confirm

Figure 32

45. Use the arrows (if needed) to view and read all precautions.



Figure 33

- Select Confirmed instructions. 46.
- 47. Select Next.



Figure 34

48. Review the data on the screen, and then select Next.

CONSULT-III plus Ver.204.10 Ver.CSP48.10	VIN:	Vehicle : ROGUE T33 2021	Country : United States
Back Home Print Screen	Screen Capture Mode	ecorded Data	× = _ X
Re/programming, Configuration	Precaution	Select Program Data Confirm Vehi Condition	cle
Select Program Data			
-In case the screen to select reprogr vehicle. -In case the part number after reprog selection, VIN and reprog/programm	programming data is NO pramming is wrong, touch ng data in CONSULT.	n usplayed, only one data is available to n "Re-select", and confirm the vehicle	
Part Number After Repro/programmi	ng	41659 XXXXXXX	
Order Part number		387606494XXX	
Vehicle		ROGUE T33	
VIN	)	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
System		ALL MODE AWD/4WD	
Other Information		PR25 CVT 4WD	Re-select
	ng	tasla	1
Expected time to finish re/programm	-	Imin	

Figure 35

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



Figure 36

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

CONSULT-III plus Ver.204.10 Ver.CSP48.10	VIN:		Vehicle : ROG	UE T33 2021	Country : United States
Back Home Print Screen	Streen Capture Mc	Recorded		12.2V VI MI	
Re/programming, Configuration	Select Program	Data Co	Condition		8/8
onfirm Vehicle Condition					
ut of range, reprogramming or pro	gramming may s	top.			
Monitor tem	Value	Unit	Judgment	Coridition	-
BATTERY VOLTAGE	12.2	v	ок		
					Start
				1/1	

Figure 37

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



Figure 38

52. Enter your **Username** and **Password**, and then select **Submit**.

Ver.00741.			the second s	SPUILS?	-
Back House Print Scree	a Screen Measurement Records	ed Help	13.6V VI MI		
Re/programming, Configuration	Transfer Data	er Authentication	Transfer Data		3/4
r Authentication			_		
5					
Daimler WS					
-	Place advance Unait balan				
	Prease enter your oseno below.	_			
	Username: Username Paseword: Operation				
	Password. Password				
	Submit				
				-	
Reatart Login				Smeath	
				SICUREAUTH	
		00			

Figure 39

53. Allow **Transfer Data** to complete.

Pata	MI P P 10/10
Data	10/10
	90%
	0%
6.0	Q
	0

54. Once the update completes, select **Next**.



Figure 41

- 55. Erase all DTCs.
  - Follow the on-screen instructions as shown in Figure 42 and Figure 43.



Figure 42

• Select Next.

CONSULT-III plus Ver.2		Vehicle : ROGL	JE T33 2021	Country : United States
Back Home Print Screen	Screen Mode Record	ed Help	13.1V VI MI	
Rs/programming, Configuration	Confirm Result	Erase All DTCs	Print Result / Operation Complete	16/17
Erase All DTCs				
1 Turn ignition switch to the ON posit	ion, then All DTCs are automat	tically erased.	(C)	
Current status of ignition switch	OFF			
If the current status of ignition s the actual vehicle ignition switch	witch displayed on the scre , touch "NEXT" to go to the	en differs from the st next screen.	tatus of	Next

Figure 43

56. Select **Confirm**.

CONSULT-III plus	Vehicle : ROGU	E T33 2021 Country : United States
Back Home Print Screen	ern hure Mode Recorded Data Help ERT	🚓 🎢 🗙 🖿 🔛 🏹
Configuration	Erase All DTCs Print Result / Operation Complete	13/13
Print Result / Operation Complete		
or touch "screen capture" to storage o perform "Diagnosis (All Systems)" to c Screen capture data is saved in "Cill plu "Screenimages".	r this page temporany. Fouch "End" to back to H onfirm that no DTC is detected. is Data Folder" on desk top, and open the folder	rnamed
Part number after Reprog/programming	41659 <b>XXXXXX</b>	
Part number before Reprog/programming	41659000000	-
Vehicle	T33 ROGUE	
VIN XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX		r Print
System	ALL MODE AWD/4WD	
Date	12/16/2020 2:24:22 PM	Other Operation
		Canfin

Figure 44

57. If the screen in Figure 45 displays, select **Home**. If the screen in Figure 45 does not display, skip to step 58.

CONSULT-III plus Ver.203.30 Ver.CSP48.10	VIN:	Vehicle : ROGUE T33 2021	Country : United States
Back Home Print Screen	Screen Capture Messurement Mode Recorded Data	Help AL ERT 12.7V VI M	
Re/programming, Configuration	Erase All DTCs Opera	rint Result / ation Complete	17/17
Print Result / Operation Complete			
All tasks for programming or touch "Screen Capture perform "Diagnosis (All S Screen capture data is sa "Screenimages".	"Complete Operation" Screen i backing Home once. In case "C necessary document, touch "r Erasing process is not perform system. Erase it in Self-Diag Re	is no longer shown after d Complete Operation" Screen is Cancel" to back previous screen. led to "No support for All DTC" esults screen of each system.	
Part number after Reprog/programming			
Part number before Reprog/programming		â	
Vehicle			
VIN	Home	Cancel	Print
System			
Date	10	)/21/2020 2:55:08 PM	Other Operation
		1/1	Confirm

Figure 45

58. Select Re/programming, Configuration.

	Seried No.	Sixture	Diagnosis (One System)
T	2301334	Normal Node/Wireless connection	Diagnosis (All Systems)
i		No connection	Re/programming, Configuration
2	Select VI/MI		immobilizer
icat	ion Setting Sub mode	ABC Language Setting	Maintenance

Figure 46

59. Use the arrows (if needed) to view and read all precautions.

CONSULT-III plus Ver.CSP48.10 VIN:-	Vehicle : -	Country : United States
Back Home Print Screen Capture Measurement Mode	Recorded Data	🕅 💥 🖿 🔜 🔀
Re/programming. Configuration	Precaution	le Selection
Precaution		
Prease review the ail of precautions, and click the "Continn" touch "Next".	cneck box aner confirming the it	
Topow the operation guide dispayed on screent.     "Back" and "Home" button may not be used on this flow     For reprogramming and programming     I. install the latest version of the CONSULT-III plus sortware     CONSULT-III plus PC.     2. Preparation and read the service manual or reprogramming	v. , reprogramming/programming da ing procedure sheet.	ta to this
For ECU Configuration 1. Need to write the configuration data to new ECU, after re 2. If writing the wrong configuration data, ECU can not wor	place it. k. Please write the right data.	
-For ECU Configuration using manual mode 1. Confirm the vehicle's spec and its configuration spec, foil configuration data, ECU can not work. Please write the right 2. Operate the saving completely. Do not abort without savin	owing the service manual. If writi It data. g data.	ng the wrong

Figure 47

60. Select Confirmed instructions.

#### 61. Select Next.



Figure 48

- 62. Select the correct vehicle information.
- 63. Select OK.

CONSULT-III plus	Ver.204.10 VIN:-	Vehicle		Country : United States
Vehicle Selection	VIN corresponds to m Select the correspondir	ultiple vehicles. 1g vehicle.		
	Vehicle Name :		Model Year :	
	ARMADA		2021M1	te da la companya de
	FRONTIER			
	ROGUE			
		1/1	1/1	-
		ĸ	Cancel	
		Figure 49		

64. Verify the correct VIN is populated.

65. Select Confirm.

CONSULT-III plus Ver.204.10	VIN:-	Vehicle : -	Country : United States			
Back Home Philit Screen	Screen Moder Moder					
Diagnosis (All Select	Vehicle Confirm Vehicle					
Please confirm selected information touch "Change".	and touch "Confirm". In ca	se you want to select another ve	ehicle,			
	_					
VIN or Chassis #	XXX	XXXXXXXXXXXX				
Vehicle Name :		ROGUE				
Model Year		2021MY				
		1/1	I F			
			Change			
			Confirm			

Figure 50

# 66. Select Confirm.

CONSL	JLT-III plus V	er.204.10 er.CSP48.10	VIN:			Vehicle	ROGU	E T33 2021		Country : United States
Back	Home	Print Screen	Screen	Measurement. Moche	Recorded	() Help		12.0V VI	×	
50	Re/programming Configuration		Vehicle	Confirmation	1	nput VIN				4/4
iput VIN			1		1					
								G.		
VIN (1	7 or 18 digits	XMRX	RXXXXXX	XXXXXXX	00307					
										Confirm

Figure 51

67. Select ALL MODE AWD/4WD.

CONSULTINI Plus Ver.204.10	VIN:	Vehicle	ROGUE T	3 2021	Co
Back Home Print Screen Car	neen Moder Da	rded Help	ERT 1		× =
Configuration	Operation Log Selection	System Selection	Ор	eration Se	lection
System Selection				_	
	-		r		
ALL MODE AWD/4WD	AIR	BAG	T		HVAC
ALL MODE AWD/4WD BCM	AIR AUTO BA	BAG ICK DOOR	+		HVAC
ALL MODE AWD/4WD BCM SONAR	AIR AUTO BA Side rada	BAG ICK DOOR r (Rear left)		СН	HVAC AVM ASSIS CON
ALL MODE AWD/4WD BCM SONAR LANE CAMERA	AIR AUTO B/ Side rada	BAG ICK DOOR (Rear left) (Rear right)		СН	HVAC AVM ASSIS CON

Figure 52

### 68. Select After ECU Replacement.

CONSULT-III plus	Ų	Vehicle : ROGU	E T33 2021	Country : United States
Back Home Print Screen Capture	Measurement Mode	Help	12.5V VI	× = _ X
Re/programming, Configuration	stem Selection Operati	on Selection	-	6/6
operation Selection				
Touch "Operation". In case over write current ECU, touch "R In case replacement of ECU, select an ope	eprogramming". ration in REPLACE ECU cate	egory.		
REPROGRAMMING	In case you want to reprogr	amming ECII to	ch "Deprogram	mming"
Reprogramming	ni case you want to reprogr	anning 200, 100	ich Reprogra	nning .
Replacement OF ECU Programming (Blank ECU)				
Before SCU Replacement	After ECU Repla	icement	ouch "Before E peration log wi CONSULT.	CU Replacement", ith part number is saved
VEHICLE CONFIGURATION		-		
Configuration		T O Si	peration log wi aved to CONSU	CU Replacement", ith configuration data is JLT.
·				

Figure 53

69. Read the precautions.



Figure 54

#### 70. Select Manual selection.

CONSULT-III plus Ver.		Vehicle : R	OGUE T33 2021	Country : L States
Back Home Print Scree	en Capture Mode	Recorded Data	ERT 12.5V VI	× •
Re/programming, Configuration	Precaution (Blank ECU)	Confirmation of Replace ECU	1	
Confirmation of Replace ECU				
EPC linked	Touch "EPC linked" to a in EPC.	elect automatic selecti	on for writing data	using the file gene
Manual selection	Touch "Manual selection	" to select writing data	manually.	
Manual selection				

Figure 55

71. Use the arrows (if needed) to view and read all precautions.



72. Select Confirmed instructions.

#### 73. Select Next.



- 74. Under ROM Data ID, select 416596RR0D.
- 75. Select Next.

	SULT-III plus					Vehicle :	ROGUE	T33 202		Country :   States
Back	Home	Print Screen	Screen Capture	Measurement	Recorded Data	(C) Help	ERT	12.5V		
S'o	Re/programmin Configuration	9.	Preca	aution	Select F	rogram Dat	a )	Confirm	Vehicle dition	
Select Pro	ogram Data		-		-					
ID is air When c data) mi	eady indicate orresponding ay not exist in Blank E0	d in the box, ROM Data ID CONSULT.	enter the re is not listed	maining par system ma	t y be select	and box del	ctly or R	OM Data	a (program	m 0
	ROP	II Data ID	-	Other Informa	tion			_		
	4165	96RR0D		PR25 CVT 4	ND					
	4165	96RA0D		PR25 CVT 4	ND					

Figure 58

76. Review the data on the screen, and then select Next.

		Vehicle : ROGU	E T33 2021	Country : United States
Back Home Print Screen	een ture Mode Recorded Data		12.5V VI N	: 🗖 📃 🔀
Configuration	Precaution	Program Data	Confirm Vehicle Condition	10/11
Select Program Data				
In case the screen to select reprog/pro vehicle. In case the part number after reprogram selection, VIN and reprog/programming	gramming data is NOT displa mming is wrong, touch "Re-s data in CONSULT.	ayed, only one data elect", and confirm	is available for th the vehicle	
Part Number After Repro/programming		416596%%%%%%		
Order Part number		387606RE1A		
Vehicle		ROGUE T33		
VIN	XX9	exexexexexe	«XXX	1
System	AL	L MODE AWD/4WD		
Other Information		PR25 CVT 4WD		Re-select
Expected time to finish re/programming	6	1min		
				Next

Figure 59

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



Figure 60

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

CONSULT-III plus Ver.204.10 Ver.CSP48.10	VINs		Vehicle : ROGUE	T33 2021	Country : United States
Back Home Print Screen	Screen Capture	Recorded Data	Help ERT	12.2V VI MI	
Re/programming, Configuration	Select Program	Data Co	nfirm Vehicle Condition		8/8
Confirm Vehicle Condition					
Then, confirm that judgment for all out of range, reprogramming or pro	items indicate C gramming may s	Unit Unit	Judgment	Condition is	
BATTERY VOLTAGE	12.2	v	ок		
				1/1	Start

Figure 61

79. Allow Transfer Data to complete.

CONSULT-III plus		Vehicle : ROGUE T33 2021	Country : United States
Back Home Phot Scre	sen Streen Misasiarmiint Record	Help ERT 12.3V VI	× = _ ×
Re/programming, Configuration	User Authentication	Transfer Data	10/10
Transfer Data			
DO NOT disconnect VI. Please	e wait for complete to transfer to VI.	2	
Estimated Time	1min		
Transfer CONSULT to VI			90%
Transfer VI to ECU			0%
F			0

Figure 62

80. Once the update completes, select **Next**.

CONSULT-III plus		Vehicle : ROGUE T33 2021	Country : United States
Back Hame Print Screen	Screen Missiuremient Recorded Data		I 🗙 🖿 📃 🔀
Re/programming, Configuration	Transfer Data Co	nfirm Result	11/11
Confirm Result			
Touch "Next" to continue operation		00	

Figure 63

# 81. Erase all DTCs.

• Follow the on-screen instructions as shown in Figure 64 and Figure 65.

CONSULT-III plus Ve		Vehicle : ROG	UE T33 2021	Country : United States
Back Borne Print Screen	Screen Massurement Record	ded Heip	14.5V VI MI	
Re/programming.	Confirm Result	Erase All DTCs	Print Result / Operation Complete	16/17
Erase All DTCs				
1 Turn ignition switch / power switch I	to the OFF position.			
Current status of Ignition switch	ON			

Figure 64

• Select Next.

CONSULT-III plus	CONSULT-III plus Ver					Vehicle : ROGUE T33 2021				
Dack Home	Print Screen	Screen Capture	Massiaremant	Recorded Data	() Help	ERT	13.1V			×
Re/programmin Configuration	ig.	Con	firm Result	Eras	e All DTCs		Print I Operation	Result / n Complete		6/17
Erase All DTCs										-
1 Turn ignition swit Current statu swit	ch to the ON pr s of ignition ch	osition, the	n All DTCs are OFF	automaticall	y erased.			OF		
If the current sta the actual vehicle	tus of ignition e ignition swi	n switch d tch, touch	isplayed on t "NEXT" to g	the screen d	liffers from	n the st	atus of		Next	

Figure 65

#### 82. Select Confirm.

CONSULT-III plus		Vehicle : ROGUE T33 2021	Country : United States
Back Hame Print Screen	Streen Capture Measurement Mode Recorded Data	Help ALL RT 12.5V VI M	: 🖿 📃 🔀
Re/programming, Configuration	Erase All DTCs Opera	nt Result / tion Complete	13/13
Print Result / Operation Complete			
or touch "Screen Capture" to stora perform "Diagnosis (All Systems)" Screen capture data is saved in "C "Screenimages".	er completed, contribut All acces ge of this page temporally. Touch to confirm that no DTC is detect ill plus Data Folder" on desk top, i	"End" to back to Home Screen, and ad. and open the folder named	
Part number after Reprog/programming		4165900900000	
Part number before Reprog/programming		41659000000	
Vehicle		T33 ROGUE	
VIN	XXXXX	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	Print
System	AL	L MODE AWD/4WD	
Date	12/	16/2020 2:24:22 PM	Other Operation
		1/1	Confirm

Figure 66

83. If the screen in Figure 67 displays, select **Home**. If the screen in Figure 67 does not display, skip to step 84 on page 36.



Figure 67

# **Bleed Air & Initialize Oil Deterioration Level**

84. Select Diagnosis (One System).

nned	tion Status		Diagnosis Menu
	Seried No.	Side	Diagnosis (One System)
VI	2301334	Normal Wode/Wireless connection	Diagnosis (All Systems)
ML	[ ÷ ]	No connection	Re/programming, Configuration
Ş	Select VI/MI		Immobilizer
elicat	ion Setting Sub mode	ABC Language Setting	Maintenance
9	/DR		

Figure 68

85. Select ALL MODE AWD/4WD.

CONSULT-III plus		Vehicle : -	Country : United States		
Back Back Print Scr	screen Kapture Measurement Re	Corded Data	Ki 💥 🖿 📃 🖗		
Diagnosis (One System)	System Selection				
NISSAN/INFINITI/DAT	SUN				
Priority	All syste	ms 🔻			
ENGINE	TRANSMISSION	AIR PRESSURE MONITOR	INTELLIGENT KEY		
ABS	MULTI AV	BAC	DIU		
METER/M&A	EHS/PKB	SUB METER	AUTO SLIDE DOOR		
BCM	DCDC	CONVERTIBLE ROOF	PRECRASH SEATBEL		
AIR BAG	MOTOR CONTROL	HEAD LAMP LEVELIZER	AUTO DRIVE POS.		
ICC/ADAS	EPS/DAST 3		ALL MODE AWD/4WD		
HVAC	IPDM E/R	LASER/RADAR	DIFF LOCK		
Sort : Default Settir			1/6		

Figure 69

- 86. Select Work support.
  - Ensure Can Gateway (CGW Information) is green.



Figure 70

- 87. Select BLEED AIR & INITIALIZE OIL DETERIORATION LEVEL.
- 88. Select Start.



Figure 71

89. Start the engine, and then select **Start**.



Figure 72

# 90. Allow BLEED AIR & INITIALIZE OIL DETERIORATION LEVEL to complete.



Figure 73

### 91. Select End.

	SULT-III plus	Ver.204.10	VIN:			Vehicle	ROGU	E T33 20	21		Count	ry : United
Back	Home	Print Screen	Screen Capture	Metaurement	Recorded Data	() Help	ERT	14.2V	Yil	×	-	
	Diagnosis (All Systems)	► se	lect Vehicle	Contim	n Vehicle 🕨	Diagno Syste	sis (All ems)	•	ALL MO AWD/4V	DE		
Work su	pport : BLE	ED AIR & INIT	IALIZE OIL	DETERIOR	ATION LEVE	L						
Air blee	eding and in	itialization of e	stimated oil d	leterioratio	n level are c	ompleted						Start
												End
										-		

Figure 74

- 92. Close C-III plus.
- 93. Turn the ignition OFF.
  - It may be necessary to hold the start button in for several seconds for the ignition to turn OFF.
- 94. Disconnect the battery maintainer or smart charger.

# **Recheck AWD Coupler Fluid Level**

# **A**WARNING

To prevent serious burns, avoid contact with hot metal parts. Perform the operation after the exhaust system has fully cooled down because the system will be hot just after the engine stops.

- 95. Raise and support the vehicle.
- 96. Place a drain pan under the AWD coupler filler hole.
- 97. Remove the AWD coupler filler plug using a 10 mm hex socket.



Figure 75

- 98. Fill the AWD coupler with fluid.
  - Only use a dedicated fluid pump that has not been used for other types of fluids.
  - See **PARTS INFORMATION** for coupling fluid information.
  - Fill the AWD coupler until fluid starts to come out of the filler hole.
  - Reinstall the filler plug using a new sealing washer.
  - Torque the filler plug to 35 N•m (3.57 kg-m, 26 ft-lb).



Figure 76

- 99. Lower the vehicle.
- 100. Test drive the vehicle including a figure eight to evaluate for any noise and/or vibration concerns.
  - If any noise and/or vibration concerns exist during the figure eight test drive, follow the All Wheel Drive Coupler Clutch Break-In Procedure in NTB20-081.

### PARTS INFORMATION

DESCRIPTION	PART NUMBER	QUANTITY
COUPLING ASSEMBLY-ELECTRICAL (AWD Coupler)	38760-6RE0A	1
GASKET-PLUG (Filler Plug Sealing Washer)	11026-4N200	1
COUPLING FLUID (1)	999MP-LSCTRF	(2)
BOLT-FLX PROP (3) (Propeller Shaft Rear Flange Bolts)	37120-JD01A	4
NUT-FIX PROP SFT (3) (Propeller Shaft Rear Flange Nuts)	37171-7S00A	4

- (1) Order this item through the Nissan Maintenance Advantage program: Phone 877-NIS-NMA1 (877-647-6621). Website order via link on the dealer portal; www.NNAnet.com and click on the "Maintenance Advantage-Tire/Battery/Chemical" link.
- (2) As needed.
- (3) These are single use parts.

### **CLAIMS INFORMATION**

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Replace Electronic Control Coupling and Reprogram ECU	(1)	LX11AA	ZE	32	1.7

(1) Reference the electronic parts catalog and use the Electric Coupling Assembly (38760-\*\*\*\*) as the Primary Failed Part (PFP).

#### AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
December 22, 2020	NTB20-095	Original bulletin published
July 19, 2021 NTB20-095A		PARTS INFORMATION revised