

DA23-007

NTB24-005

Date: January 18, 2024

ENGINE RPM HIGHER THAN EXPECTED WHEN USING INTELLIGENT CRUISE CONTROL

APPLIED VEHICLES: APPLIED DATES: 2022-2023 Frontier (D41) Built on or before June 13, 2023

IF YOU CONFIRM

The customer states the engine RPM is higher than expected after a downshift when using ICC.

ACTION

Follow the **SERVICE PROCEDURE** in this bulletin to:

- 1. Confirm the current ICC/ADAS 2 part number.
- 2. Reprogram the ICC/ADAS 2, if applicable.
- 3. Configure the ICC/ADAS 2.
- 4. Erase the DTCs.

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.

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

Confirm the ICC/ADAS 2 Part Number

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.
- During the reprogramming process, you will receive some errors. These errors are expected. Please follow <u>all</u> of the steps in this procedure to successfully complete the reprogramming process.

NOTICE

- Connect a battery maintainer or smart charger set to reflash mode or a similar setting. If the vehicle battery voltage drops below <u>12.0V or rises</u> <u>above 15.5V</u> during reprogramming, <u>the ICC/ADAS 2 control unit may be</u> <u>damaged</u>.
- Be sure to turn OFF all vehicle electrical loads. If a vehicle electrical load remains ON, the ICC/ADAS 2 control unit 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 ICC/ADAS 2</u> <u>control unit may be damaged</u>.
- 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 or VI during reprogramming, reprogramming may be interrupted and <u>the ICC/ADAS 2 control unit may be damaged</u>.
- 1. Connect the Vehicle Interface (VI) to the vehicle.
 - Make sure to use the correct VI for the CONSULT PC.
- 2. Turn the ignition ON with the engine OFF.
- 3. Turn ON the hazard warning lights.
- 4. Start C-III plus.
- 5. If prompted, select **USA/CANADA Dealers** from the drop down menu, and then select **OK**.

6. Login using your NNAnet credentials.

IMPORTANT: If not prompted to enter your username and password, the CONSULT PC may not be connected to Wi-Fi. Close C-III plus, confirm the CONSULT PC is connected to Wi-Fi, and then reopen C-III plus.

- 7. Wait for the VI to be recognized.
 - The serial number will display when the VI is recognized.
- 8. Select Re/programming, Configuration.

	Conne	ction Status		Diagnosis Menu
		Serial No.	Status	Diagnosis (One System)
/I is nized	VI	232665 2	کرہ کی Normal Mode/Wireless connection	Diagnosis (All Systems)
	мі		No connection	Re/programming,
		Select VI/I	МІ	Immobilizer
		ation Setting Sub mode	Language Setting	Maintenance
	59	/DR		1

9. Check the box confirming the precautions have been read, and then select **Next**.

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

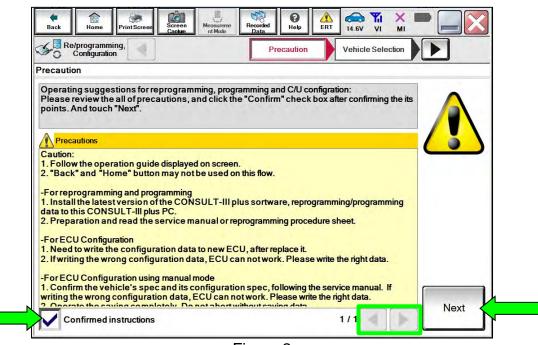


Figure 2

10. Select Automatic Selection(VIN).

Γ

Configuratio	ng,	Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic S	election(VIN)	Manual Selec	tion(Vehicle Name)		
Vehicle Name :				Model Year :	Sales Chan
*MURANO Camp:P8201	JUKE	QUEST			NIS
350Z	LEAF	ROGUE			INFI
370Z	MAXIMA	CENTRA			
370Z Convertible	MURANO	F war			
ALTIMA	MURANO Cross Cabriolet	Exar	npie		
ALTIMA Hybrid	NISSAN GT-R]	
ARMADA	NV	VERSA Sedan			-
CUBE	PATHFINDER	XTERRA			CLE
FRONTIER	PATHFINDER ARMADA	X-TRAIL			

Figure 3

11. Make sure the VIN or Chassis # matches the vehicle's VIN, and then select Confirm.

	VIN or Chassis #	*****	
del Year XXXXMY	Vehicle Name :	D41 FRONTIER	
	Model Year	XXXXMY	
1/1		1/1	

Figure 4

12. Confirm the VIN is correct for the vehicle, and then select **Confirm**.

e Back	Home	Print Screen	Screen Capture	Measureme nt Mode	Recorded Data	0 Help	A ERT	() 14.6V		Х	🔀
So R	e/programm Configuratio	ing, 🚺		nicle mation	In	put VIN					4/4
Input VI	N										
Accord	ling to this	nber, and to operation, i ONSULT, V octly.	a case of s	pecified o	operation It is saved	that requi	ires to s ame. T	ave EC herefore	U e, con	firm	
	20 Deniality and an an deniality and and an antipation and an antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipation antipat	2 51 51 51 51 51 51 51 51 51 51 51 51 51	NISSAN MOTO VSKJVWR511 O 1- 2- 1 1 1 1 2 1 1 1 1	100 11 11 11		NA B		à			
VIN (1	7 or 18 dig	its) XXX	XXXXX	xxxx	XXXX	Х					
											Confirm



13. Select ICC/ADAS 2.

	Selection System Selection Operation Selection	6
em Selection		
uch "system". case ECU you want to operate is not liste	ed below, the vehicle or model year might be selected wrong.	
~		
Side radar (Rear left)	CHASSIS CONTROL	
Side radar (Rear right)	TRANSMISSION	
TELEMATICS	ICC/ADAS 2	
	ICC/ADAS 2	
TELEMATICS	ICC/ADAS 2	
	ICC/ADAS 2	

Figure 6

14. Select Reprogramming.

Operation Selection		
Touch "Operation". In case over write current ECU, touch In case replacement of ECU, select an		
REPROGRAMMING	In case you want to reprogramming ECU	
	in case you mant to reprogramming Loo	
Reprogramming		
Reprogramming		
Reprogramming Replacement OF ECU Programming (Blank ECU)		
Replacement OF ECU	After ECU Replacement	Touch "Before ECU Replacement", Operation log with part number is sav to CONSULT.
Replacement OF ECU Programming (Blank ECU) Before ECU	After ECU Replacement	Operation log with part number is sav

Figure 7

15. Find the ICC/ADAS 2 **Part Number** and write it on the repair order, and then select **Save**.

HINT: This is the <u>current</u> ICC/ADAS 2 Part Number (P/N).

Back Home Print Screen Capture	Messurement Mode Recorded Heip ERT 11.5V VI MI	-
Re/programming, Configuration Oper-	ation Selection Save ECU Data	7/7
Save ECU Data		
	ne current part number as listed below to CONSULT. In by selecting suitable operation log. Operation log is erased	
File Label	****	Ī
Operation	REPROGRAMMING	
System	rent	
And the second sec	DAS 2 284P1- XXXX	
Vehicle	/N D41 FRONTIER	
VIN	XXXXXXXXXX XXXXXX	
Date	xxxxxxxx	Save
		1

Figure 8

- 16. Compare the P/N you wrote down in step 15 to the numbers in the **Current ICC/ADAS 2 Part Number** column in **Table A**.
 - If there is a <u>match</u> in **Table A**, continue with the reprogramming procedure.
 - If there is <u>not a match</u>, in **Table A**, this bulletin does not apply. See the ESM for further diagnostic information.

Table A

CURRENT ICC/ADAS 2 PART NUMBER: 284P1-

9BU3A, 9BU3C, 9BU4B, 9BU4D, 9BU4E, 9BV3B, 9BV3C, 9BV3D, 9BV3E

ICC/ADAS 2 Reprogramming

17. Check the box confirming the precautions have been read, and then select Next.

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

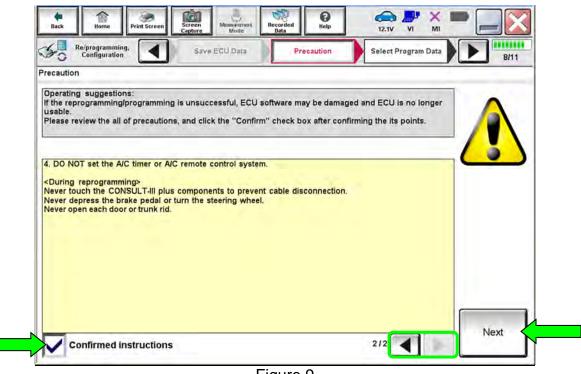


Figure 9

18. Confirm the battery charger is ON and the battery voltage is between 12V-15.5V, and then select **Next**.

Image: Section Back Image: Section Capture Image: Section Capture <th></th>	
Re/programming, Configuration Select Program Data Confirm Vehicle Condition	10/10
Confirm Vehicle Condition	
Operate according to the following procedures.	
1 Remove the terminal caps of battery, and connect battery charger to battery.	
2	1
Adjust the battery charger output so that the vehicle battery voltage is between 12.0V and 13.5V. The vehicle battery voltage is shown on the top-right of this screen	Ti
	10
3	P
Confirm the RESULT is OK, touch "Next".	
	Next
Result OK	

Figure 10

19. Confirm the Judgement for all the Monitor Items are "OK", and then select Start.

Re/programming, Configuration	Select Prog	ram Data	onfirm Vehicle Condition		10/10
m Vehicle Condition					
irm the vehicle condition as , confirm that judgment for a f range, reprogramming or p	all items indicate	e OK, and touch "		icle condition is	
Monitor Item	Value	Unit	Judgment	Condition	
BATTERY VOLTAGE	13.6	v	ок		
IGNITION SW	On			On	
BATTERY VOLT	13	EXAM	IPLE	>=10.48	
LOAD SIGNAL	Off			Off	
ENG SPEED	0	rpm	ок	O	
HEATER FAN SW	Off		ок	Off	
	Off		ок	Off	

Figure 11

20. Allow Transfer Data to complete.

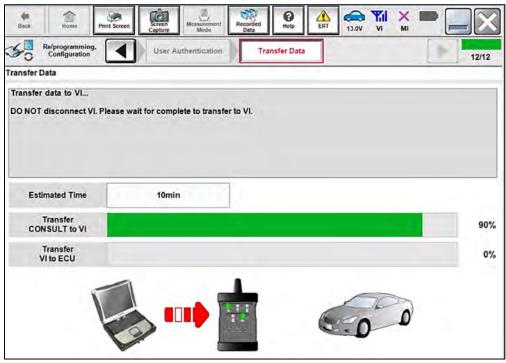


Figure 12

21. Once the reprogramming completes, select **Next**.

HINT:

- If the screen in Figure 13 does not display (indicating that reprogramming did <u>not</u> complete), refer to the information on the next page.
- Additional steps/operations are required before CONSULT will provide the final reprogramming confirmation report. Continue with the reprogramming procedure on page 12.

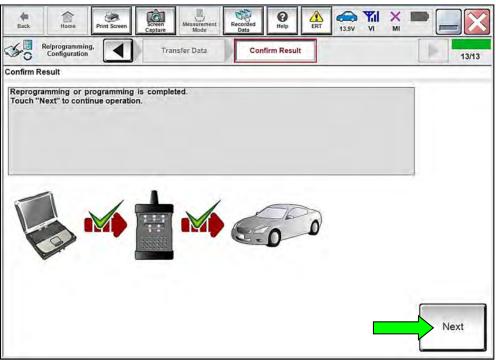


Figure 13

Do not disconnect the VI or shut down CONSULT 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 **Retry** and follow the on screen instructions.
- <u>Retry may not go through on first</u> <u>attempt and can be selected more</u> <u>than once</u>.

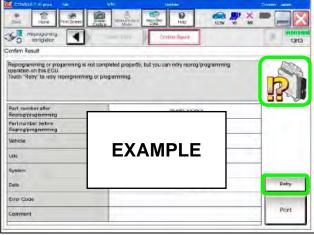


Figure 14

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 VI cables are securely connected.
- All C-III plus updates are installed.
- Select **Home**, and restart the reprogram procedure from the beginning.

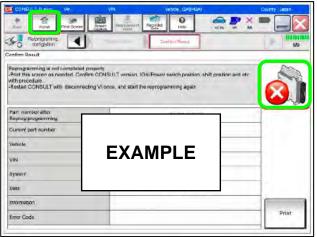


Figure 15

22. Perform Erase All DTCs.

a. Follow the on-screen instructions as shown in Figure 16 and Figure 17.

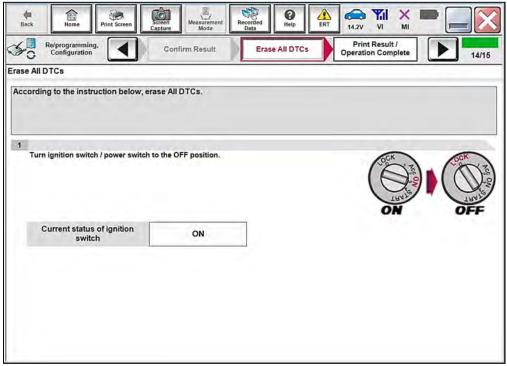


Figure 16

b. Select Next.

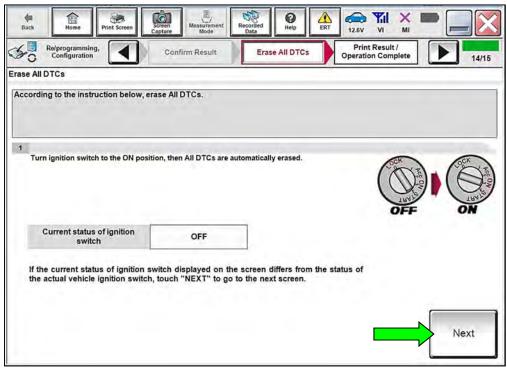


Figure 17

23. Verify the **Part number after Reprog/programming** and **Part number before Reprog/programming** are different, select **Print** and attach the reprogramming results to the repair order, and then select **Confirm**.

Back Home Print Screen S	creen Measurement Mode Recorded Data		13.5V VI MI	
Re/programming, Configuration		rint Result / ation Complete		15/15
Print Result / Operation Complete				
All tasks are completed. Confirm LAN In case CONSULT can NOT immediate temporally storage of this page. Touch Data Folder" on desk top, and open the	ly access to LAN or printer, S "Screen Capture", and save	creen Capture function it. Screen capture dat		
Part number after Reprog/programming		- xxxxx-xxxxx		
Part number before Reprog/programming		- xxxxx-xxxxx		
Vehicle	XXX	****	xx	
VIN	xxx	****	xx	Print
System		ICC/ADAS 2		
Date	XX	*****	xxx	Other Operation
		1	/1	Confirm

Figure 18

24. Select **Home**.

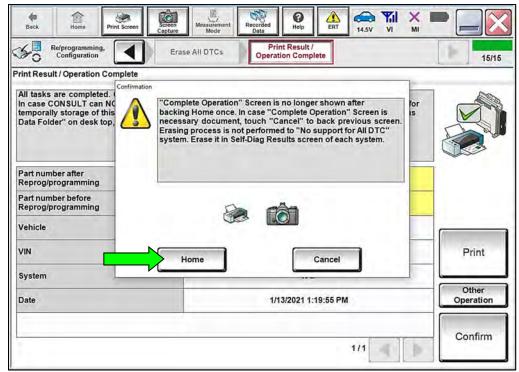


Figure 19

ICC/ADAS 2 Configuration

25. Select Re/programming, Configuration.

	Serial No.	Status	Diagnosis Menu Diagnosis (One System)
n	2300727	Normal Mode/Wireless connection	Diagnosis (All Systems)
II	-	No connection	Re/programming, Configuration
2	Select VI/MI		Immobilizer
	ion Setting oub mode	ABC Language Setting	Maintenance

Figure 20

26. Check the box confirming the precautions have been read, and then select **Next**.

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

Re/programming, Configuration			recaution	Vehicle Selection	
recaution					
Please review the all o touch "Next".	s for reprogramming, p f precautions, and click			the its points. And	\wedge
Precautions					
Caution:	n guide displayed on s	creen			
	" button may not be us				
	nd programming	nius sortware reprogr	ramming/programm	ing data to this	
CONSULT-III plus PC.	sion of the CONSULT-III		edure sheet.		
1. Install the latest vers CONSULT-III plus PC. 2. Preparation and rea -For ECU Configuratio	sion of the CONSULT-III d the service manual o n	or reprogramming proc	edure sheet.		
1. Install the latest vers CONSULT-III plus PC. 2. Preparation and rea For ECU Configuratio 1. Need to write the co	sion of the CONSULT-III d the service manual o n onfiguration data to nev	or reprogramming proc v ECU, after replace it.		ta	
1. Install the latest vers CONSULT-III plus PC. 2. Preparation and rea -For ECU Configuratio 1. Need to write the cc 2. If writing the wrong	sion of the CONSULT-III d the service manual o n nfiguration data to nev configuration data, EC	or reprogramming proc v ECU, after replace it.		ta.	
1. Install the latest vers CONSULT-III plus PC. 2. Preparation and rea -For ECU Configuratio 1. Need to write the co 2. If writing the wrong -For ECU Configuratio 1. Configuration data, EC	sion of the CONSULT-III d the service manual o onfiguration data to new configuration data, EC n using manual mode s spec and its configura U can not work. Please	or reprogramming proc v ECU, after replace it. U can not work. Please ation spec, following th e write the right data.	e write the right da		
1. Install the latest vers CONSULT-III plus PC. 2. Preparation and rea -For ECU Configuratio 1. Need to write the co 2. If writing the wrong -For ECU Configuratio 1. Configuration data, EC	sion of the CONSULT-III d the service manual of onfiguration data to new configuration data, EC n using manual mode s spec and its configura	or reprogramming proc v ECU, after replace it. U can not work. Please ation spec, following th e write the right data.	e write the right da		Next

Figure 21

27. Select Automatic Selection(VIN).

Configuratio		Presaution	Vehicle Selection	Vehicle Confirmation	
Automatic S	election(VIN)	Manual Selec	tion(Vehicle Name)	ì	
Vehicle Name :				Model Year :	Sales Cha
"MURANO Camp:P8201	JUKE	QUEST			NIS
350Z	LEAF	ROGUE			INF
370Z	MAXIMA	SENTRA			A
370Z Convertible	MURANO		······		
ALTIMA	MURANO Cross Cabriolet		xample		
AL TIMA Hybrid	NISSAN GT-R	VER			
ARMADA	NV	VERSA Sedan]		
CUBE	PATHFINDER	XTERRA			CL
FRONTIER	PATHFINDER	X-TRAIL			1

Figure 22

28. Confirm the VIN or Chassis # is correct, and then select Confirm.

VIN or Chassis #	*****	
Vehicle Name :	D41 FRONTIER	
Model Year	XXXXMY	
	1/1	

Figure 23

29. Confirm the VIN is correct for the vehicle, and then select **Confirm**.

Configuration		chicle Confirmation	Input VIN	System Selection	4/6
/IN	r, and touch "Cor	firm".			-
rding to this op	eration, in case of	specified operation th	at requires to save EC efore, confirm VIN nur	CU information into mber correctly.	
		NISKA NOTOR INCRICA SA.	NYSS 2	N/	1.0
	* C 0	* C C		200	
ha	14 55 27	undur.	the state	LI	
N (17 or 18 digit) XXXXX	XXXXXXXXXXX	XXXX		

Figure 24

30. Select ICC/ADAS 2.

Back Ame Print Screen	Measurement Mode Recorded Data	12.3V VI MI
Re/programming, Configuration	Selection System Selection	Operation Selection 6/7
ystem Selection		
Touch "system". n case ECU you want to operate is not lis	ted below, the vehicle or model year might	be selected wrong.
Side radar (Rear left)	CHASSIS CONTROL]
Side radar (Rear right)	TRANSMISSION	ĺ
TELEMATICS		
HVAC		
AVM		
		2/2

Figure 25

31. Select After ECU Replacement under VEHICLE CONFIGURATION.

Back Home Print Screen Capt		
Re/programming, Configuration	System Selection Operation Selection	6/6
Operation Selection		
Touch "Operation". In case over write current ECU, touch " In case replacement of ECU, select an op		
REPROGRAMMING	In case you want to reprogramming ECU	I, touch "Reprogramming".
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 ECU Replacement	Touch "Before ECU Replacement", Operation log with configuration data is saved to CONSULT.
VEHICLE CONFIGURATION Before ECL		Touch "Before ECU Replacement", Operation log with configuration data

Figure 26

32. Select Manual selection.

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

Figure 27

- 33. Select the applicable **Type ID**, and then select **Next**.
 - a. Refer to the EPC to determine the OLD CONFIG PART NUMBER (Type ID) for your VIN.
 - b. Using both the OLD CONFIG PART NUMBER (Type ID) and the updated ICC/ADAS 2 PART NUMBER from step 23 on page 13, reference Table B on page 19 to determine and select the NEW CONFIG PART NUMBER (Type ID).

Back Home Print Screen Screen	Messurement Mode Recorded Data	ERT 12.1V VI	× • • • •
Re/programming, Configuration	/riting method Manual Selection Configuration	write Configur	ation 8/10
nual Configuration			
elect the Type ID listed in EPC (Service	parts catalog) from the following tal	ble, and then touch "Nex	
ICC/ADA S-2¶]		
	Type ID		
	284P4·-·XXXXX¶		
	284P4 ··· XXXXX¶		
	284P4XXXXX¶		1
	284P4XXXXX¶		Cancel
	284P4XXXXX¶		
		1/2	Next V

Figure 28

Table B

EPC DESCRIPTION	NUN	AS PART MBER 4P1-	EPC DESCRIPTION		TYPE ID 284P4-
	OLD	NEW		OLD	NEW (Latest Type ID)
				9BU0A	9BW2A
				9BU0B	9BW2B
	9BU4B	9BW1A		9BU3D	9BW2C
				9BU3E	9BW2D
			9BU1A	9BW2E	
				9BU1B	9BW3A
	9BU3C 9E	9BW1B		9BU2D	9BW3B
				9BU2E	9BW3C
			WARNING SPEAKER	9BU3B	9BW3D
		9BU4E 9BW1C		9BU3A	9BW3E
CONT ASSY-	9BU4E			9BU2C	9BW4A
WARNING SPEAKER				9BU3C	9BW4B
SPEARER	9BU3A	9BW1D		9BU2A	9BW4C
	9BU4D	9BW1E		9BU2B	9BW4D
				9BY4B	9BY6D
				9BY4C	9BY6E
	9BV3B	9BV4B		9BY5D	9BY8A
				9BY5E	9BY8B
	9BV3D	9BV4D		9BY5A	9BY7C
				9BY4D	9BY7A
				9BY4E	9BY7B
	9BV3C	9BV4C		9BY5C	9BY7E
				9BY6A	9BY8C
	9BV3E	9BV4E		9BY5B	9BY7D

34. Select OK.

Back Home Print Screen	en Measurement Mode Recorded Data
Re/programming, Configuration	Manual Operation Print Result / Operation Complete 9/10
rite Configuration	
etting value that CONSULT automatica ouch "OK".	Illy select is saved to vehicle ECU.
ICC/ADAS 2	
	Type ID
	284P4 - XXXXX
	Cancel
	ОК

Figure 29

35. Select End.

Home Print Screen Gert	Print Result /	
Configuration	Operation Complete	10/10
Result / Operation Complete		
ite Configuration has been successfu uch "End" to finish operation, and to i	ully completed. back to Home Screen. Confirm each function works correctly.	
ICC/ADAS 2		-
	Type ID	
	284P4 - XXXXX	
		Other
		End

Figure 30

36. Select Home (screen not shown).

/1 230072		Diagnosis (One System)
	27 Normal Mode/Wireless connection	Diagnosis (All Systems)
MI -	No connection	Re/programming, Configuration
Select V		Immobilizer
Sub mode	ABC Language Setting	Maintenance

37. Select Diagnosis (All Systems).

Figure 31

38. Select ERASE.

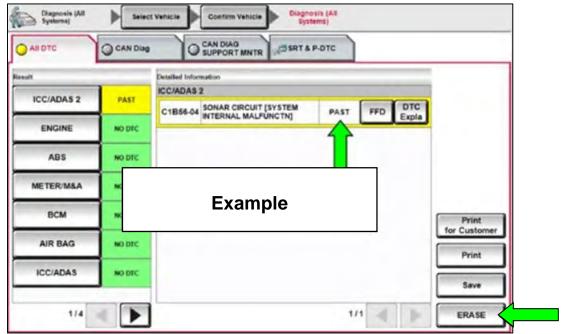


Figure 32

CLAIMS INFORMATION

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

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Preform Software Check	(1)	RXE4AA	ZE	32	0.3

OR

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Preform Software Check and Reprogram ICC/ADAS	(1)	RXE5AA	ZE	32	0.7

(1) Refer to the electronic parts catalog and use the Warning Speaker Control Assembly (284P1-****) part number as the Primary Failed Part (PFP).

HINT: FRT allows adequate time to access DTC codes. No other diagnostic procedures subsequently required. Do NOT claim any Diagnostic Op Codes with this claim.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
January 18, 2024	NTB24-005	Original bulletin published