INFINITI TECHNICAL SERVICE BULLETIN Classification:

AN22-009A

ITB22-014A

April 13, 2023

Date:

ENABLING WIRELESS APPLE CARPLAY® FEATURES

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

APPLIED VEHICLES:

2020-2021 Q50 (V37) 2020-2021 Q60 (CV37) 2020-2021 QX50 (J55)

SERVICE INFORMATION

To enable wireless use of current Apple CarPlay[®] features, follow the **SERVICE PROCEDURE** in this bulletin.

HINT: Depending on the software version, the AV Control Unit may need to be updated. Perform step 1 on page 2 to check the software version.

IMPORTANT: This service is <u>not</u> covered under warranty.

Infiniti 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 Infiniti retailer to determine if this applies to your vehicle.

SERVICE PROCEDURE

1. Confirm the current software version of the AV Control Unit is 2992 or newer.

IMPORTANT: Refer to the vehicle tables in ITB23-010 for the software history list, software version check procedure, the latest infotainment update-software and update procedure.

- If the current software version is 2992 or newer, the AV Control Unit does not require an update. Proceed to step 2 to configure the AV Control Unit for Wireless CarPlay.
- If the current software version is older than 2992, update the AV Control Unit to the latest software version, and then proceed to step 2 to configure the AV Control Unit for Wireless CarPlay.

Configure AV Control Unit for Wireless CarPlay

- 2. Connect a battery maintainer/smart charger to the vehicle.
- 3. Connect the VI to the vehicle.
- 4. Start C-III plus.
- 5. Wait for the VI to be recognized (Figure 1).
 - The serial number will display when the VI is recognized.
- 6. Select **Re/programming**, **Configuration**.

em)
ns)

Figure 1

Check the box to confirm the precaution instructions have been read, and then select Next.
 HINT: Use the arrows (if needed) to view and read all the precautions.

Precautio	1				
Operation Please touch "	y suggestions for reprogramming view the all of precautions, and cl ext".	, programming and C/U lick the "Confirm" check	configration: box after confirmir	ig the its points. Ar	d
Caution 1. Follo 2. "Bac	the operation guide displayed or and "Home" button may not be	n screen. used on this flow.			
-For rep	ogramming and programming				
1. Instal	the latest version of the CONSULT	T-III plus sortware, repro-	gramming/program	ming data to this	
1. Instal CONSU 2. Prepa	the latest version of the CONSUL". T-III plus PC. ration and read the service manua	T-III plus sortware, reprog al or reprogramming pro	gramming/program	ming data to this	
1. Instal CONSU 2. Prepa -For EC	the latest version of the CONSUL ⁻ T-III plus PC. ration and read the service manual I Configuration o write the configuration data to b	T-III plus sortware, repro- al or reprogramming pro-	gramming/program ocedure sheet. t	ming data to this	
1. Instal CONSU 2. Prepa -For EC 1. Need 2. If wri	the latest version of the CONSUL ⁻ T-III plus PC. ration and read the service manual J Configuration o write the configuration data to r ng the wrong configuration data, i	T-III plus sortware, repro- al or reprogramming pro new ECU, after replace i ECU can not work. Plea	gramming/program ocedure sheet. t. se write the right d	ming data to this ata.	
1. Instal CONSU 2. Prepa -For EC 1. Need 2. If wri -For EC 1. Configu	the latest version of the CONSUL T-III plus PC. ration and read the service manue) Configuration to write the configuration data to r ng the wrong configuration data, 1 Configuration using manual moo n the vehicle's spec and its config then data ECU can prove work Pla	T-III plus sortware, repro- al or reprogramming pro- new ECU, after replace i ECU can not work. Plea de juration spec, following ase write the right data	gramming/program ocedure sheet. t. se write the right d the service manual.	ming data to this ata. . If writing the wror	ng
1. Instal CONSU 2. Prepa -For EC 1. Need 2. If wri -For EC 1. Configu 2. Opera	the latest version of the CONSUL ⁺ T-lli plus PC. ration and read the service manue I Configuration to write the configuration data to in ong the wrong configuration data, I I Configuration using manual more in the vehicle's spec and its config- tion data, ECU can not work. Ple e the saving completely. Do not ab	T-III plus sortware, repro- al or reprogramming pro- new ECU, after replace i ECU can not work. Plea de juration spec, following i ase write the right data. port without saving data.	gramming/program bocedure sheet. t. se write the right d the service manual.	ming data to this ata. . If writing the wror	na

Figure 2

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

Configuratio	ng,	Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic S	election(VIN)	Manual Selecti	ion(Vehicle Name)		
/ehicle Name :				Model Year :	Sales Channel
*INFINITI EX35 Camp:P8202	INFINITI G37 Convertible	INFINITI M45	INFINITI Q70 Hybrid	2019MY	NISSAN
INFINITI EX35	INFINITI G37 Coupe	INFINITI Q40 Sedan	INFINITI QX30	2017MY	INFINITI
INFINITI FX35/FX4			4	2016MY	DATSUN
INFINITI FX35/FX8			50	2015MY	
INFINITI FX37/FX8	E	XAMPLE	56	2014MY	
INFINITI G20			60		
INFINITI G25/G3 Sedan		Convertible	lybrid		
INFINITI G35 Coupe	INFINITI M35h	INFINITI Q60 Coupe	INFINITI QX70		CLEAR
INFINITI G35 Sedan	INFINITI M37/M56	INFINITI Q70	INFINITI QX80		

Figure 3

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

Back Image: Former line Image: Former line	Image: Measurement Mode Image: Measurement Data Image: MeasurementData Image: Measurement Data <th></th>	
VIN or Chassis #	XXXXXXXXXX	
Vehicle Name :	QX50	
Model Year	2020MY	
	1/1	
		Change
		Confirm

Figure 4

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

Back	Home Print	Screen Canture	Measureme nt Mode	Recorded Data	Help	14.6V VI	X I MI	
Re	/programming, Configuration	Co	/ehicle nfirmation	Inpu	t VIN			4/4
Input VIN	1							
Enter the According informate VIN num	e VIN number, i ng to this opera tion into CONS nber correctly.	and touch "Con tion, in case o ULT, VIN num	nfirm". f specified oj ber you input	peration that t is saved a	at requires to s file name.	save ECU Therefore, co	onfirm	
	HISSAN WOTOR CC	LTD JAPAN ISA566 ISA566 IS	NOTOR IBERICA, SA R51U0123455 1. 40 2. 10 2. 10 3.	UN1BAUJ322012345 第5 系統運行 大教 系統運行 高度 受定功率 高度 影響加速 正 影響加速 一 新 新 一 一 一 一 二 一 一 一 一 一 一 一 一 一 一 一 一 一		6		
VIN (17	or 18 digits)	xxxxx	xxxxx	xxxx	x			
								Confirm

Figure 5

11. Select MULTI AV.

Back Home Print Screen Capture	Measurement Recorded Data	
Re/programming, Configuration	Input VIN System Selection	n Operation Selection 5/6
System Selection		
In case ECU you want to operate is not lis	ted below, the vehicle or model year	might be selected wrong.
ENGINE	8ch CAN GATEWAY	IPDM E/R
MULTI AV	HD MAP DATA MODULE	AIR PRESSURE MONITOR
6ch CAN GATEWAY	CAN monitor unit	HEAD LAMP LEVELIZER
FSCM	EPS/DAST 3	METER/M&A
IVC	ABS	LASER/RADAR
		1/3

Figure 6

12. Select Before ECU Replacement under VEHICLE CONFIGURATION.

Back Rome Print Screen Scree	an Measurement Mode	RT 14.5V VI MI
Re/programming, Configuration	ystem Selection Operation Selection	6/6
peration Selection		
Touch "Operation". In case over write current ECU, touch " In case replacement of ECU, select an op	Reprogramming". eration in REPLACE ECU category.	
REPROGRAMMING	In case you want to reprogramming ECU	. 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	ECU Replacement	Touch "Before ECU Replacement", Operation log with configuration data is saved to CONSULT.

Figure 7

- 13. Scroll through each of the pages of configuration items and write down each **Item** and **Setting Value**.
 - If a printer is connected to the CONSULT PC, you may select **Print**.

IMPORTANT: Write down or print all the configuration settings, as these settings will be used in step 17 on page 7.

Configuration	ration Selection Save EC	CU Data	7
ve ECU Data			
The current vehicle specification as listed I nformation. n case of no items listed below, no item is	below are saved in vehicle EC available for configuration.	U. Touch "Save" to save this	-
MULTIAV			
Items		Setting Value	
NAVIGATION		WITHOUT	
NAVIGATION HYBRID		WITHOUT Off	
NAVIGATION HYBRID SOUND SYSTEM	EXAMPLE	WITHOUT Off BOSE	
NAVIGATION HYBRID SOUND SYSTEM DAB FUNCTION	EXAMPLE	WITHOUT Off BOSE WITHOUT	Print
NAVIGATION HYBRID SOUND SYSTEM DAB FUNCTION TELEMATICS	EXAMPLE	WITHOUT Off BOSE WITHOUT WITH	Print

Figure 8

- 14. After the current configurations have been written down or printed, select **Back** in the upper LH corner of the screen (Figure 8).
- 15. Select After ECU Replacement under VEHICLE CONFIRGURATION.

Back Home Print Screen Capt	erre Measurement Mode Recorded Data	RT 44.5V VI MI
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''. peration in REPLACE ECU category.	
REPROGRAMMING	In case you want to reprogramming ECU	, 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	LT.
L	J ()	

Figure 9

16. Select Manual selection.

Back	Home	Print Screen	Screen Capture	Messurement Mode	Recorded Data	() Help	ERT	12.0V	Yil vi	×		
SO R	programming Configuration		Operati	ion Selection	Writi	ng method election					-	7/7
Writing met	hod selectio	n							_	_		
Select an Touch "EF	operation fi °C linked" o	rom the folk r "Manual se	owing list. election",									
E	EPC link	ed	Touch "E in EPC.	PC linked" to	select auto	ematic sele	ection fo	r writing	data u	sing th	e file gene	rated
Man	iual sele	ection	Touch "M	lanual selecti	on" to selec	t writing d	ata man	ually.				

Figure 10

17. Use the drop down menus to select the configuration options that were printed or written down in step 13 on page 6, and then select **Next**.

IMPORTANT: The default **Setting Value** for **Wireless CarPlay** is "WITHOUT". Be sure to change this **Setting Value** to "WITH" (Figure 11).

Back Home Print Screen Capture Mode Record	ed Protect RT 12.0V VI M	
Configuration Writing method selection	Manual Configuration Write Configuration	8/10
anual Configuration		
Identify the correct model and configuration list described in Se Confirm and/or change setting value for each item, touch "Next" Make sure to touch "Next" even if configuration list is not displa if not, configuration which is set automatically by selecting vehic	srvice Manual. syed. le model can not be memorized.	
MULTIAV		
ltems	Setting Value	27
Wireless CarPlay	WITH	-
For Wireless Ca Setting Valu	arPlay, change te to "WITH"	Cancel
		- New -

Figure 11

18. Confirm the configuration displayed is correct, and then select OK.
 IMPORTANT: Be sure the Setting Value for Wireless CarPlay is "WITH" before selecting OK.

Re/programming, Manual Configuration	Index ERT 11.9V VI MI Vrite Configuration Print Result / Operation Complete Image: Configuration Image: Configuration <th></th>	
onfiguration	Operation complete	9/10
ng setting value for each item are saved to vehicle ECU I setting value for each items, if OK, touch "OK" to save	them to vehicle ECU.	
MULTIAV	Satting Value	
line man	Semino Value	
Items	MAITE	
reless CarPlay	WITH	
Items	WITH	cel

Figure 12

19. Allow the configuration to transfer to the vehicle.



Figure 13

20. Select End.

-	Operation Complete	10/10
t Result / Operation Complete		
ite Configuration has been successfully completed. uch "End" to finish operation, and to back to Home Scr	een. Confirm each function works correctly.	
MULTIAV		
	1	-
ttems	Setting Value	
Items	Setting Value WITHOUT	
Items AVIGATION OUND SYSTEM	Setting Value WITHOUT BOSE	
Items AVIGATION OUND SYSTEM AMERA SYSTEM	Setting Value WITHOUT BOSE NONE/AVM ph3	Print
ttems AVIGATION OUND SYSTEM AMERA SYSTEM ONAR TYPE	Setting Value WITHOUT BOSE NONE/AVM ph3 FRONT&REAR	Print Other Operation

Figure 14

Erase DTCs

21. Select Diagnosis (All Systems).

	Serial No.	Status	Diagnosis (One System)
VI	232665 2	⊳>))) Normal Mode/Wireless connection	Diagnosis (All Systems)
МІ	-	No connection	Re/programming, Configuration
	Select VI/N	ИТ	Immobilizer
sub)	tion Setting	Language Setting	Maintenance

Figure 15

22. Select Automatic Selection(VIN).

Configuration	ng.	Precaution	Vehicle Selection	Vehicle Confirmation	
Automatic Se	election(VIN)	Select	ion(Vehicle Name)	1	
ehicle Name :	N			Model Year :	Sales Channel
"INFINITI EX35 Camp:P8202	INFINITI G37 Convertible	INFINITI M45	INFINITI Q70 Hybrid	2019MY	NISSAN
INFINITI EX35	INFINITI G37 Coupe	INFINITI Q40 Sedan	INFINITI QX30	2017MY	INFINITI
INFINITI FX35/FX45				2016MY	DATSUN
INFINITI FX35/FX50	ſ		2015MY	-	
INFINITI FX37/FX50	L			2014MY	
INFINITI G20					
INFINITI G25/G37 Sedan	INFINITI M35/M45	INFINITI Q60 Convertible	INFINITI QX60 Hybrid		
NFINITI G35 Coupe	INFINITI M35h	INFINITI Q60 Coupe	INFINITI QX70		CLEAR
INFINITI G35 Sedan	INFINITI M37/M56	INFINITI Q70	INFINITI QX80		

Figure 16

23. Allow the CONSULT to perform automatic VIN selection.

Back Brogramming,	int Screen	Screen Capture Measureme nt Mode	Recorded Data	Help Ef	14.7V	VI MI	
Automatic Selec	Automatic Selec	ction(VIN)	/1	and Manual	Cont	rmation	
Vehicle can be spec III plus will start sear and touch "Detect Ve	Readin	g VIN				ULT illy	
NISSAN MUTAN COLUDIARAM SU 31 THA ONLINE OF THA ONLINE OF THAT ONLINE OF THAT ONLINE OF THAT ONLINE ON THAT ONLINE ON ONLINE ON ONLINE ON ONLINE ON			_				
7779 TANK LE 工場 Park 日產自動車株式会社 worn a		[Cancel			- 6	
							Detect Vehicle

Figure 17

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

Back Rime Print Screen Capture	Messurement Mode Recorded Data Pelp Err 13.7V VI MI	•
Configuration	icle Selection Vehicle Confirmation	
Please confirm selected information and to touch "Change".	ouch "Confirm". In case you want to select another vehicle,	
VIN or Chassis #	xxxxxxxxx	
Vehicle Name :	QX50	
Model Year	2020MY	
	1/1	
		Change
		Confirm

Figure 18

25. Select **ERASE**.

All DTC	CAN DIA	Contem Vehicle	Systems)	A Natw	ork DTC)
Hult	0	Detailed Information				_
FUCILIT		ENGINE			-	
ENGINE	PAST	P1212-00 TCSICIRC	PAST	FFD	DTC Expla	
BCM	PAST	U0122-00 VDC MDL	PAST	FFD	DTC	
EPS/DAST 3	PAST	BCM	0.00		Expla	
IPDM E/R	PAST	C1700-54 Centrel unit	PAST	-	DTC Expla	
LANE CAMERA	PAST	C1700-55 Control unit	PAST	FFD	DTC Expla	Print
Side radar (Rear		EPS/DAST 3				for Custom
left)	PAST	C161B-87 ABS system	PAST	FFD	DTC	Print
Side radar (Rear right)	PAST	PDMER	-		Expla	Save

Figure 19

26. Select Execute.



Figure 20

27. Select Close.



Figure 21

- 28. Close C-III plus.
- 29. Remove the VI from the vehicle.
- 30. Disconnect the battery maintainer/smart charger.

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
March 31, 2022	ITB22-014	Original bulletin published
April 13, 2023	ITB22-014A	Changes made throughout

ITB22-014A