INFINITI VOLUNTARY RECALL CAMPAIGN

ITB23-017

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Date:

Nissan Group of the Americas

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VOLUNTARY EMISSIONS RECALL CAMPAIGN 2016-2019 Q50/Q60; ENGINE CONTROL MODULE

CAMPAIGN ID #:	R22D1
APPLIED VEHICLES:	2016-2019 Q50 (V37)
	2017-2019 Q60 (CV37)
APPLIED ENGINES:	2.0L Turbo Gasoline Engine

Check Service COMM or Dealer Business Systems (DBS) National Service History to confirm campaign eligibility.

INTRODUCTION

Infiniti is conducting this voluntary emissions recall campaign on certain specific model year 2016-2019 Q50 and 2017-2019 Q60 vehicles. The Engine Control Module (ECM) will be inspected, and if necessary, reprogrammed and configured. This service will be performed at no charge to the client for parts or labor.

IDENTIFICATION NUMBER

Infiniti has assigned identification number R22D1 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

RETAILER RESPONSIBILITY

It is the retailer's responsibility to check Service COMM or Dealer Business Systems (DBS) National Service History for the campaign status on each vehicle falling within the range of this voluntary emissions recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) clients and vehicles in a retailer's inventory. **Federal law requires that new vehicles in retailer inventory which are the subject of an emissions recall must be corrected prior to sale. Failure to do so can result in civil penalties by the National Highway Traffic Safety Administration**. While federal law applies only to new vehicles, Infiniti strongly encourages retailers to correct any used vehicles in their inventory before they are retailed.

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.

IMPORTANT

Attention California Dealers (Retailers)

An Emission Recall Campaign Completion (ERCC) label must be filled out by the technician performing the repair, and then attached to the underside of the vehicle hood. A sample of the label is shown below.



<u>California law prohibits owners from renewing their California registration if emissions related</u> <u>recall work has not been performed</u>. California dealers are now required to issue a proof of correction certificate to vehicle owners upon completion of emissions related recall work. Please fill out one of the campaign completion forms for each owner that has this campaign performed. Instruct owners to keep this certificate unless they are requested to mail it to the DMV. A sample of the form is shown in Figure 2 below.

The above described vel California Emission Cont Dealer's Name	nicle has beer rol Laws.	n repaired, modifie	d and/or equippess, City, State, a	ed with new emission control Zip	devices to meet applicable
The above described vel California Emission Cont	nicle has beer rol Laws.	n repaired, modifie	d and/or equippe	ed with new emission control	devices to meet applicable
Manufacturer			Rec	all Number	A State of the second s
			cos) ()pc		
License Number	Make	Model Year	Body Type	Vehicle Identif	ication Number
	Ver	nicle Emissio	n Recall - P	roof of Correction	
					Ŭ

Figure 2

HINT:

- These forms (item number **CAEMRC 1-20**) and labels (item number **NIS-UHL-16**) are available from Nissan Publications (1-800-247-5321) at no charge.
- When either item (form or label) is ordered, you will automatically receive the other item as well.



SERVICE PROCEDURE

IMPORTANT: This procedure requires ECM Configuration after ECM Reprogramming.

ECM Reprogramming

IMPORTANT: Before starting the reprogramming procedure, make sure:

- ASIST on the CONSULT PC has been synchronized (updated) to the current date.
- All CONSULT-III plus (C-III plus) software updates, if any, have been installed.
- The CONSULT PC is connected to the Internet (Wi-Fi or cable).
- If you are not familiar with the reprogramming procedure, *click here*. This will link to the "CONSULT-III PLUS ECM Reprogramming" general procedure.
- This procedure does NOT require Idle Air Volume Learning (IAVL).
- After reprogramming is complete, it is required to perform DTC Erase and ECM Configuration.

NOTICE

- Connect a battery maintainer or smart charger to the 12V battery. If the vehicle battery voltage drops <u>below 12.0V or above 15.5V</u> during reprogramming, <u>the</u> <u>ECM may be damaged.</u>
- Turn the hazard warning lamps ON.
 - Turn OFF all other vehicle electrical loads, such as exterior lights, interior lights, HVAC, blower, rear defogger, audio, NAVI, seat heater, steering wheel heater, etc. If a vehicle electrical load remains ON, <u>the ECM may be</u> <u>damaged.</u>
- Be sure to connect the AC Adapter. If the CONSULT PC battery voltage drops during reprogramming, the process will be interrupted and <u>the ECM may be</u> <u>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 and the plus VI during reprogramming, reprogramming
 may be interrupted and <u>the ECM may be damaged.</u>

IMPORTANT: ECM Configuration is required after ECM Reprogramming.

- 1. Start C-III plus.
- 2. If propmpted, select **USA/Canada Dealers** from the drop down menu, and then select **OK**.
- 3. 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.

- 4. Using C-III plus, confirm the current ECM part number and write it on the repair order.
 - If it matches one of the part numbers in **Table A** (below), reprogram and configure the ECM.
 - If it does not match any of the part numbers in **Table A**, no repair is needed. Go to **CLAIMS INFORMATION** on the last page of this bulletin.

Table A

MODEL	CURRENT ECM PART NUMBER: 23704-
Q50, Q60	4HK6A, 4HK6B, 4HK6C, 4HK6D, 4HL0A, 4HL0B

5. After completing **Erase All DTCs**, print a copy of the C-III plus screen showing the before and after part numbers of the control unit. Attach the printout to the repair order, and continue to step 6 on page 6 for **ECM Configuration**.

ECM Configuration

6. Select Other Operation.

Back Home Print Screen Capture	Messurement Recorded Data	
Configuration	se All DTCs Print Result / Operation Complete	15/15
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 is reen Capture", and save it. Screen capture data is er named "ScreenImages".	available for in "CIII plus
Part number after Reprog/programming	ххххххх	
Part number before Reprog/programming	xxxxxx	
Vehicle	XXXX	
VIN	xxxxxxxxxxx	Print
System	хххх	
Date	****	Other Operation
	1/1	Confirm

Figure 3

7. Select End to continue to the System Selection screen.



Figure 4

8. Select **ENGINE**.

Back Print Screen	Measurement Recorded Data	13.7V VI MI			
Re/programming, Configuration	Input VIN System Selection	Operation Selection 5/6			
System Selection					
Touch "system". In case ECU you want to operate is not lis	sted below, the vehicle or model year might l	be selected wrong.			
ENCINE	EUS/DKD				
ENGINE	ENSIFICE	METER/MGA			
MULTI AV	EPS/DAST 3 LASER/RADAR				
3ch CAN GATEWAY	3ch CAN GATEWAY ABS ALL MODE AWD/4WD				
6ch CAN GATEWAY	IPDM E/R	BCM			
IVC	AIR PRESSURE MONITOR	SONAR			
	ð	l			
	1/2				
J					

Figure 5

9. Select After ECU Replacement under VEHICLE CONFIGURATION.

Back Rime Print Screen Capture	Measurement Mode Recorded Help				
Re/programming, Configuration	stem Selection Operation 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 category.				
REPROGRAMMING					
Reprogramming	In case you want to reprogramming ECU, touch "Reprogramming".				
Replacement OF ECU					
Programming (Blank ECU)					
Before ECU Replacement	After E	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.			

Figure 6

10. Select Manual selection.

Back Home Print Screen	Screen Capture	ed Help	14.1V VI MI	-
Configuration	Operation Selection	Writing method selection		3/3
Writing method selection				
Select an operation from the foll Touch "EPC linked" or "Manual s	owing list. slection".			
EPC linked	Touch "EPC linked" to select a in EPC.	automatic selection for v	writing data using t	he file generated
Manual selection	Touch "Manual selection" to s	elect writing data manua	ally.	

Figure 7

11. Select the applicable **Setting Value** using the drop down arrows.

IMPORTANT: If **CAN GATEWAY** is configured incorrectly, DTCs will set.

- For 2016-2018 model years, select CAN GATEWAY WITHOUT.
- For 2019 model year, select CAN GATEWAY WITH.

Back Home Print Screen	Screen Capture	orded Help	←	
Re/programming, Configuration	Writing method selection	Manual Configuration	Write Configuration	4/6
Manual Configuration				
Identify the correct model and c Confirm and/or change setting v Make sure to touch "Next" even if not, configuration which is set	onfiguration list described in alue for each item, touch "Ne if configuration list is not dis automatically by selecting veh	Service Manual. xt". played. icle model can not be m	emorized.	
ENGINE				71
Ite	ms	Setting	Value V	
FEB/DCA/BCI		##	•	
DRIVE		##	•	
CAN GATEWAY		##	•	
				Cancel
		1	/1	Next

Figure 8

12. Select Next.

Back Reference Capt	Messurement Mode	d Relp ERT	14.2V VI MI	
Configuration	selection	Configuration	Write Configuration	4/6
Manual Configuration				
Identify the correct model and configure Confirm and/or change setting value for Make sure to touch "Next" even if confi If not, configuration which is set automatic	ation list described in Se • each item, touch "Next" guration list is not displa tically by selecting vehicl	rvice Manual. - yed. e model can not be r	nemorized.	
ENGINE				_
Items		Setting	y Value	
FEB/DCA/BCI		##		r I
DRIVE		##		-
CAN GATEWAY		##		-
			/1	Cancel

Figure 9

13. Confirm the entries under **Setting Value** are correct, and then select **OK**.

Back Home Print Screen	in measurement Mode	Help	14.2V VI	× = _ X
Configuration	Manual Configuration	e Configuration	Print Result Operation Comp	/ plete 5/6
Write Configuration				
Following setting value for each item are Confirm setting value for each items, if O	saved to vehicle ECU. K, touch "OK" to save the	m to vehicle ECU.		
ENGINE	L	.	N-L	
Items		Setting		
FEB/DCA/BCI		VVI	тн	
DRIVE		41	VD	
CAN GATEWAY		wi	тн	
				Cancel
		1	1/1	ОК

Figure 10

- 14. After **Write Configuration** completes, print the screen and attach it to the repair order.
- 15. Select **End** to return to the home screen.

Back Home Print Screen Capture Reprogramming. Write Co	Messurement Recorded Data Print Result / Operation Complete	6
Print Result / Operation Complete		
Write Configuration has been successfully c Touch "End" to finish operation, and to back t	ompleted. to Home Screen. Confirm each function works correctly.	0
	0.00 × 11.0 ×	
FEB/DCA/BCI	WITH	
DRIVE	4WD	_
CAN GATEWAY	WITH	
	Other Operation	
	1/1 End	

Figure 11

- 16. Cycle the ignition OFF and wait 10 seconds.
- 17. Cycle the ignition ON, with the engine OFF.
- 18. Select **Diagnosis (All Systems)** and navigate to the all systems page (Figure not shown).
- 19. Select Erase All DTCs and verify no DTC's return.
 - If DTCs return, repeat steps 6-19 on pages 6-10 to correct/confirm configuration settings.
- 20. Verify the engine starts normally and no malfunctions are present in the combination meter.
 - If any malfunctions exist, refer to the ESM for further diagnostic information.
- 21. The repair is complete, continue to **CLAIMS INFORMATION** on the next page.

CLAIMS INFORMATION

MODEL	CAMPAIGN ("CM") ID	DESCRIPTION	OP CODE	FRT
Q50 and Q60	R22D1	Reprogram and Configure Engine Control Module	R22D10	0.6
		Reprogram Not Needed	R22D11	0.3

Submit a "CM" line claim using the following claims coding:

AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
May 4, 2023	ITB23-017	Original bulletin published