



INFINITI

VOLUNTARY RECALL CAMPAIGN

Classification: EC23-001	Reference: ITB23-017	Date: May 4, 2023
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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.

Technician: Fill in the following:

“Inspected ECM per Campaign ID # R22D1”
OR
“Reprogrammed and Configured ECM per Campaign ID # R22D1”

Fill in “DEALER CODE” and “DATE”
Put “ARB/EPA” under “CHANGE AUTHORITY”

NISSAN MOTOR CORPORATION
AUTHORIZED MODIFICATIONS

THE FOLLOWING MODIFICATIONS HAVE BEEN MADE:

THESE MODIFICATIONS HAVE BEEN APPROVED
AS APPROPRIATE BY EPA AND CARB

DEALER CODE: _____ DATE: _____

CHANGE AUTHORITY: _____ NIS-UHL-16

Figure 1

California law prohibits owners from renewing their California registration if emissions related recall work has not been performed. 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.

Vehicle Emission Recall - Proof of Correction

License Number

Make

Model Year

Body Type

Vehicle Identification Number
□□□□□□□□□□□□□□□□□□□□

Manufacturer _____ Recall Number _____

The above described vehicle has been repaired, modified and/or equipped with new emission control devices to meet applicable California Emission Control Laws.

Dealer's Name	Address, City, State, Zip
Date	Dealership's Authorized Signature X

Return this certificate to DMV only when required - otherwise retain for your records.

CAEMRC 1-20

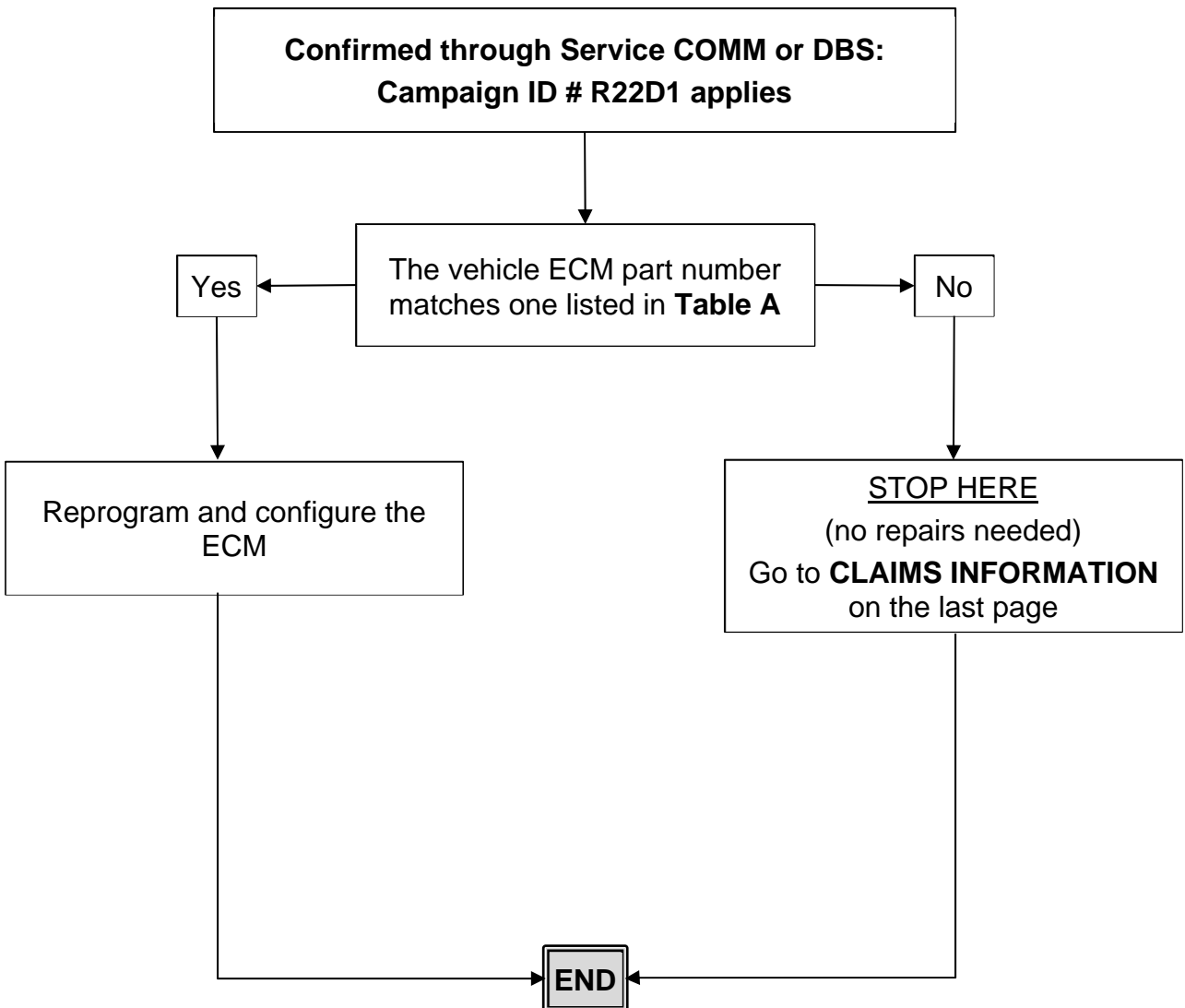
Orange colored

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.

REPAIR OVERVIEW



SERVICE PROCEDURE

IMPORTANT: This procedure requires ECM Configuration after ECM Reprogramming.

ECM Reprogramming

IMPORTANT: Before starting the reprogramming procedure, make sure:

- ASSIST 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 below 12.0V or above 15.5V during reprogramming, the ECM may be damaged.
- 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, the ECM 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 the ECM may be damaged.
- 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 the ECM may be damaged.

IMPORTANT: ECM Configuration is required after ECM Reprogramming.

1. Start C-III plus.
2. If prompted, 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.

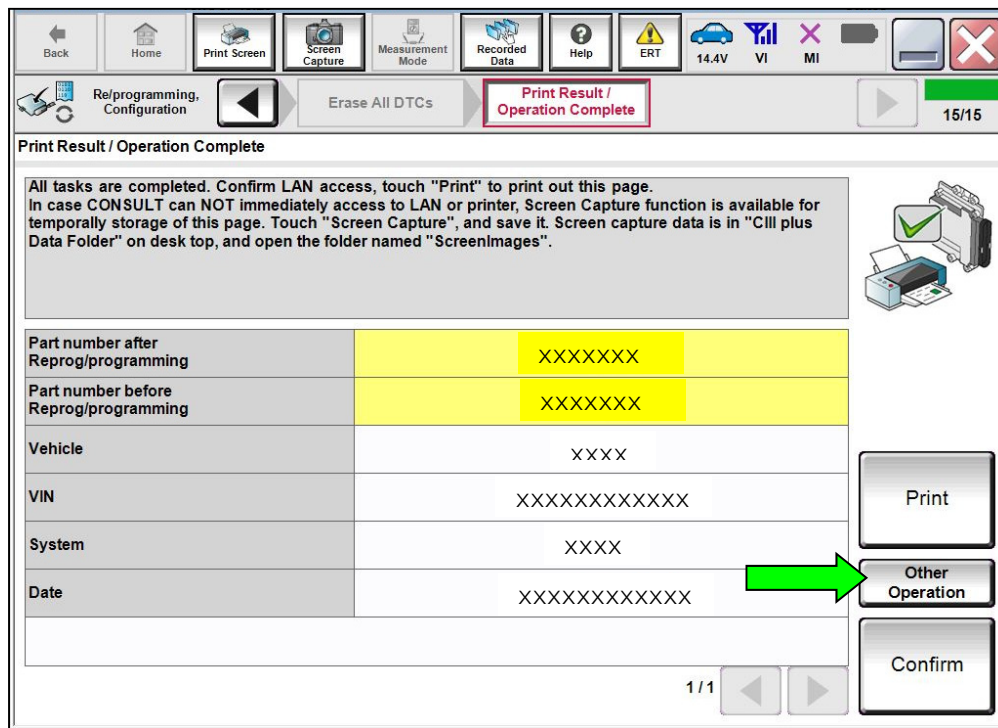


Figure 3

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

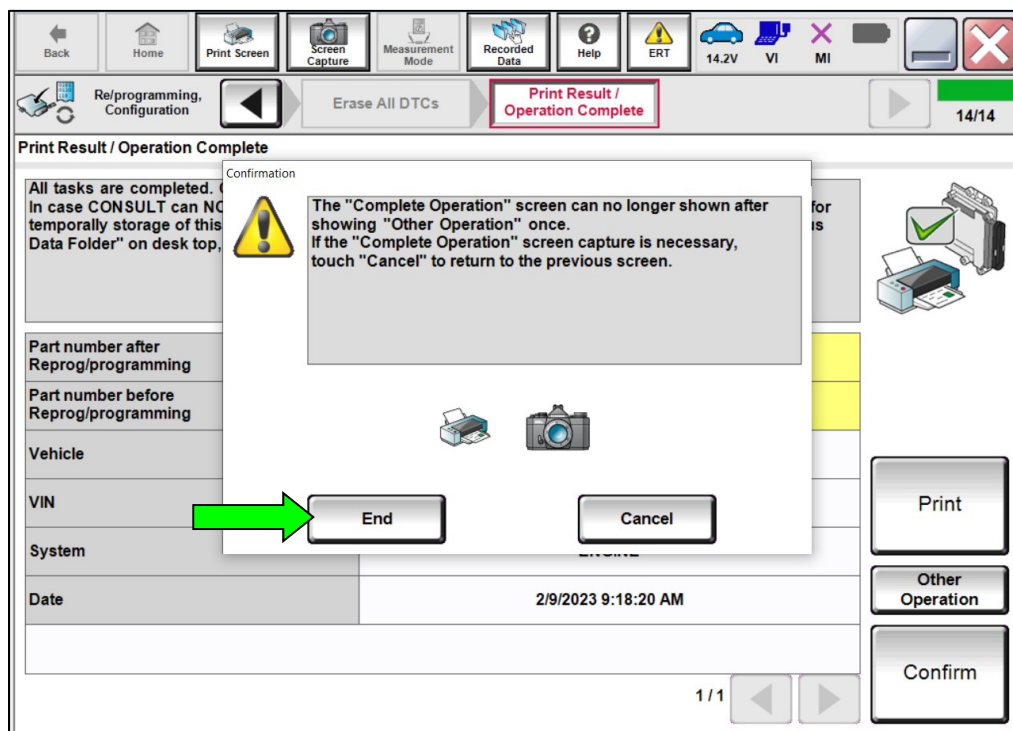


Figure 4

8. Select **ENGINE**.

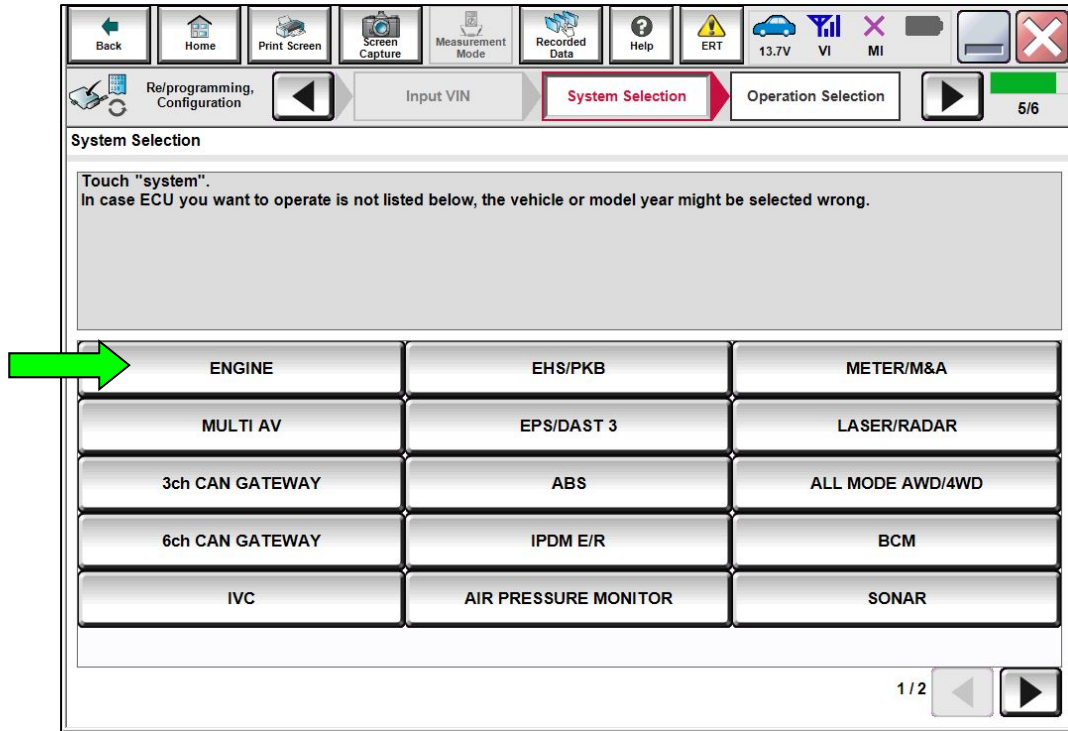


Figure 5

9. Select **After ECU Replacement** under **VEHICLE CONFIGURATION**.

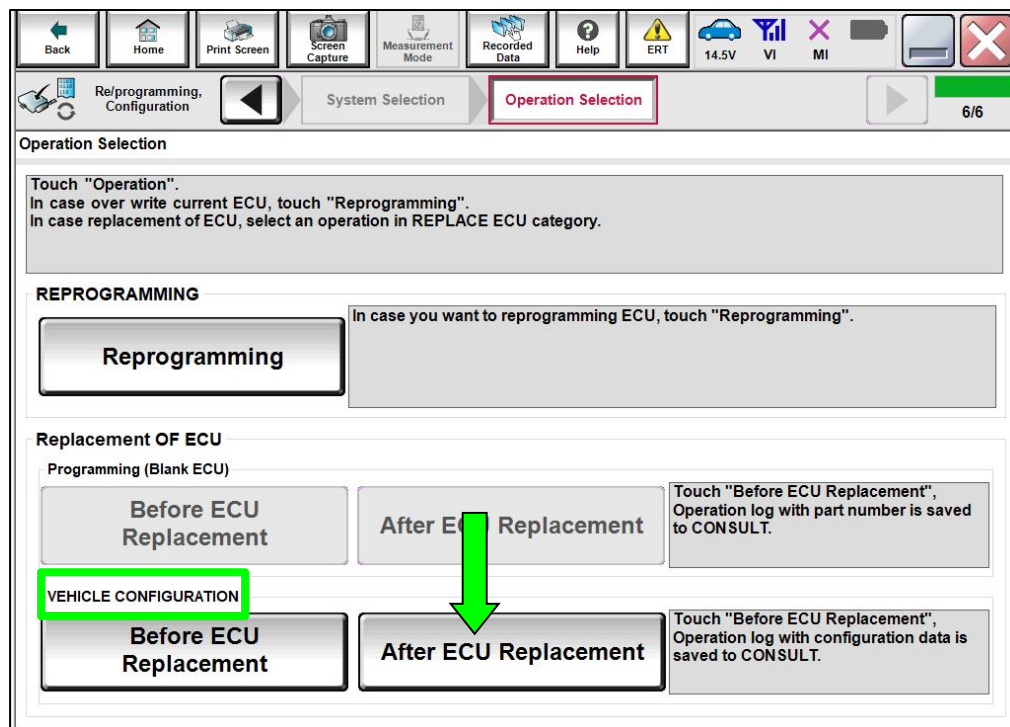


Figure 6

10. Select **Manual selection**.

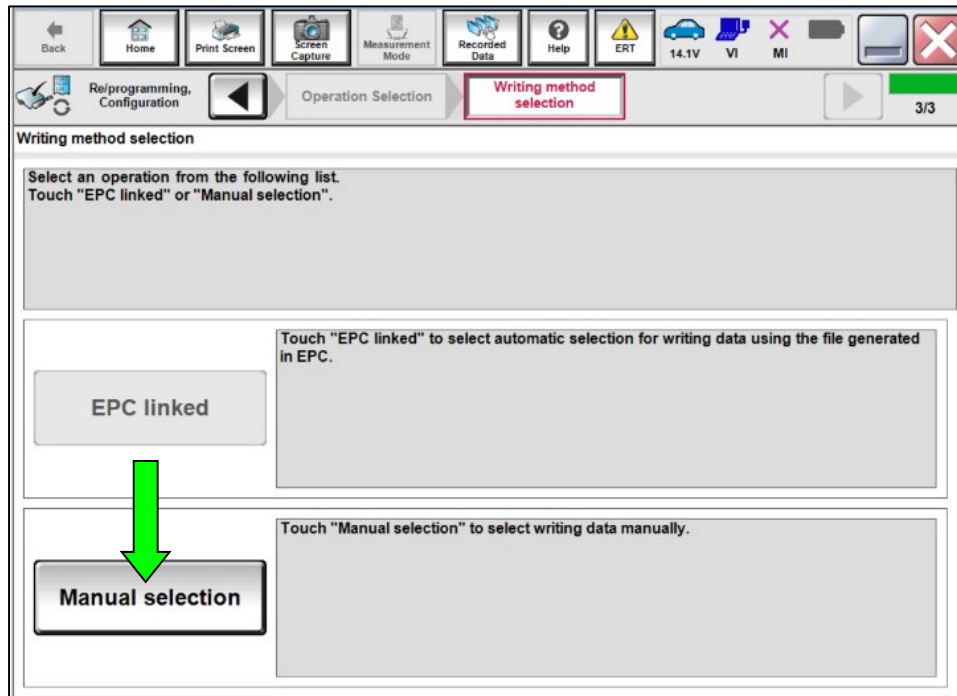


Figure 7

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**.

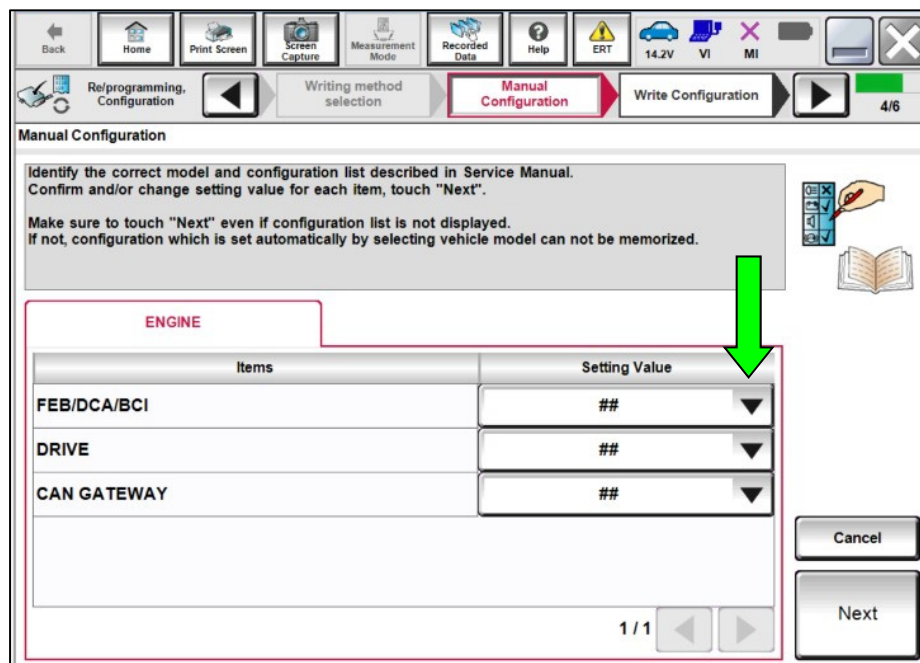


Figure 8

12. Select **Next**.

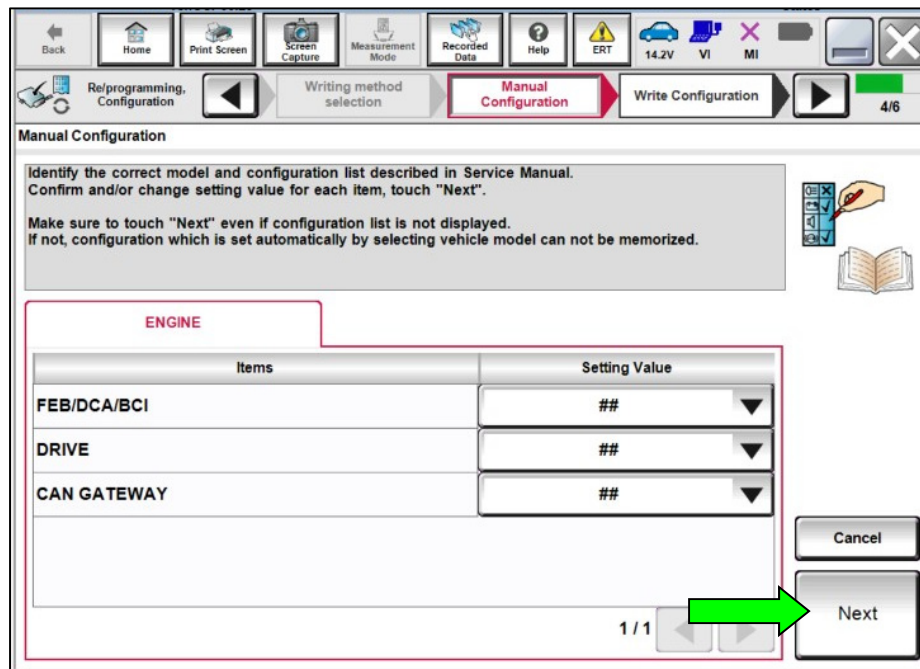


Figure 9

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

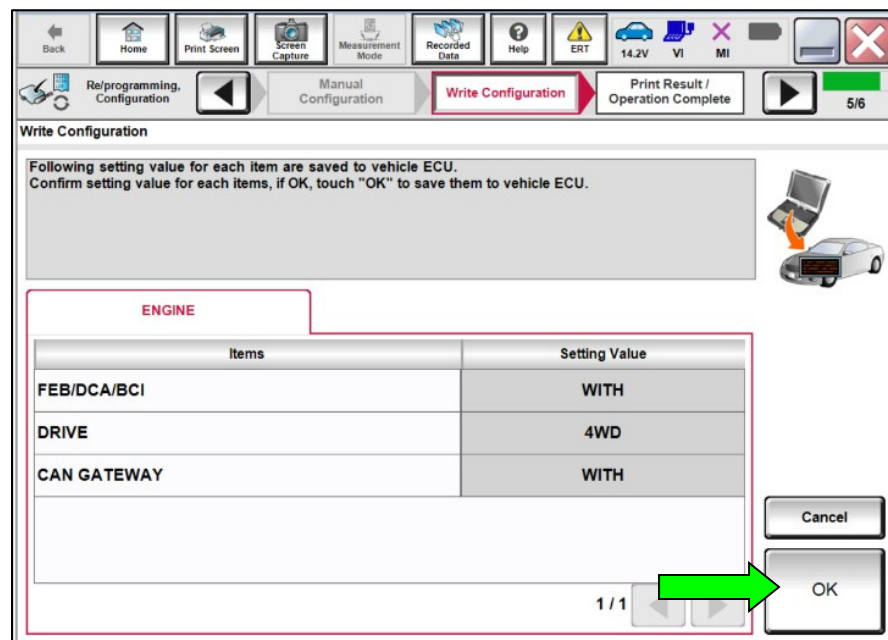


Figure 10

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

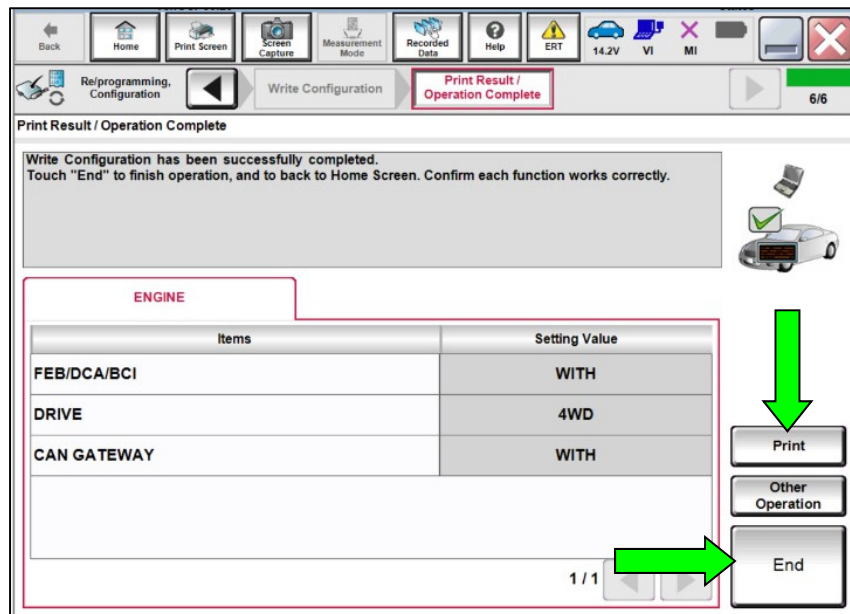


Figure 11

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

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

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

AMENDMENT HISTORY

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

