

Classification:

EL18-034

Reference:

ITB18-038

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Date:

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## 2019 QX50; IPDM E/R CONFIGURATION AFTER UNIT REPLACEMENT

APPLIED VEHICLES:            2019 QX50 (J55)

### SERVICE INFORMATION

When replacing the IPDM E/R, for any reason, it must be configured to function properly.

Use CONSULT-III plus (C-III plus) Re/programming, Configuration to write (configure) the correct Type ID into the IPDM E/R.

For convenience, the configuration procedures (Read/Write and Manual) are provided in this bulletin with C-III plus screens.

### NOTE:

- The vehicle will not start until IPDM E/R configuration is done.
- The correct Type ID for configuration is based on vehicle options.
- The part number externally marked on the IPDM E/R case is **not** the Type ID.
- The Type ID can only be read through **Re/programming, Configuration** function of the C-III plus.
- IPDM E/R configuration (Type ID) cannot be read through **Work Support > ECU Identification**. This will only show the part number that is marked on the outside of the case.

If the IPDM E/R is configured incorrectly, the symptoms shown below may occur.

Symptom	Cause
Fog lamps will not turn ON	No configuration
No cranking/No start, but ignition can be ON	No configuration
HLL (Head Light Leveling) DTC stored	Mis-selection of Type ID

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

Before starting, make sure your ASIST has been synchronized to the current date and all C-III plus updates have been installed.

### NOTE:

- There are two ways to configure the IPDM E/R; Read/Write or Manual.
- The preferred method is Read/Write, starting below.
- If Read/Write cannot be done, use Manual Configuration on page 10.

## IPDM E/R Configuration (Read/Write)

### NOTE:

- For Read/Write Configuration, the old IPDM E/R must be Read before it is removed from the vehicle.
  - If the IPDM E/R has already been replaced, go to Manual Configuration on page 10.
1. Once all ASIST and CONSULT related updates have been performed, connect the CONSULT PC to the vehicle.
  2. Connect the AC adapter to the CONSULT PC.
  3. Turn ON the CONSULT PC, and then open C-III plus.
  4. Turn the ignition ON, with engine OFF.
    - The meter and gauges will illuminate.
    - Do Not start the engine.
    - Make sure all accessories are turned OFF.

5. After the plus VI is recognized, select **Re/programming, Configuration**.

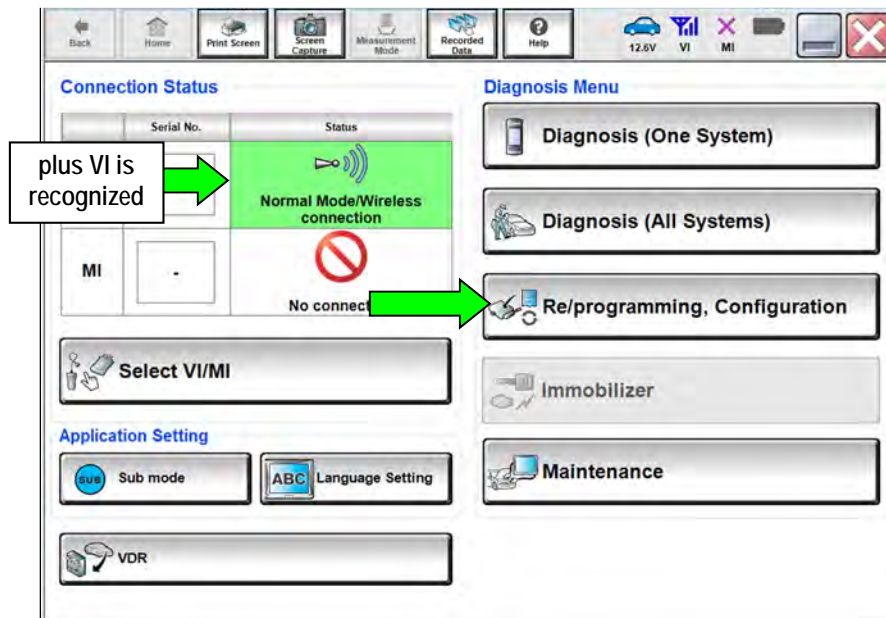


Figure 1

6. Click on the **Confirmed Instructions** box and then select **Next**.

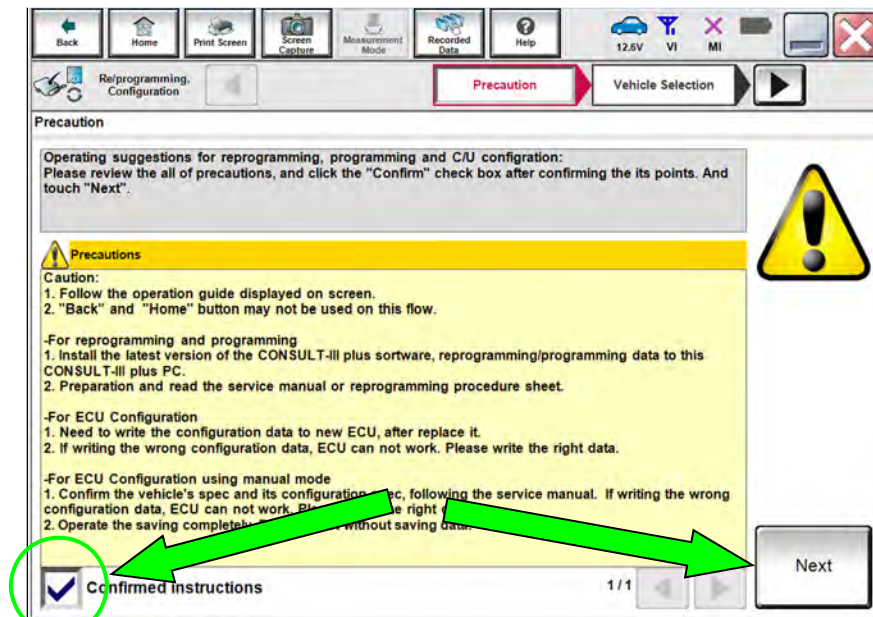


Figure 2

7. Select QX50 and 2019 or Automatic Selection(VIN).
  - If the screen in Figure 3 does not display – skip to step 9.
  - If **Automatic Selection(VIN)** is selected, wait for the **Reading VIN** screen to complete (picture not shown).
8. Select Select.

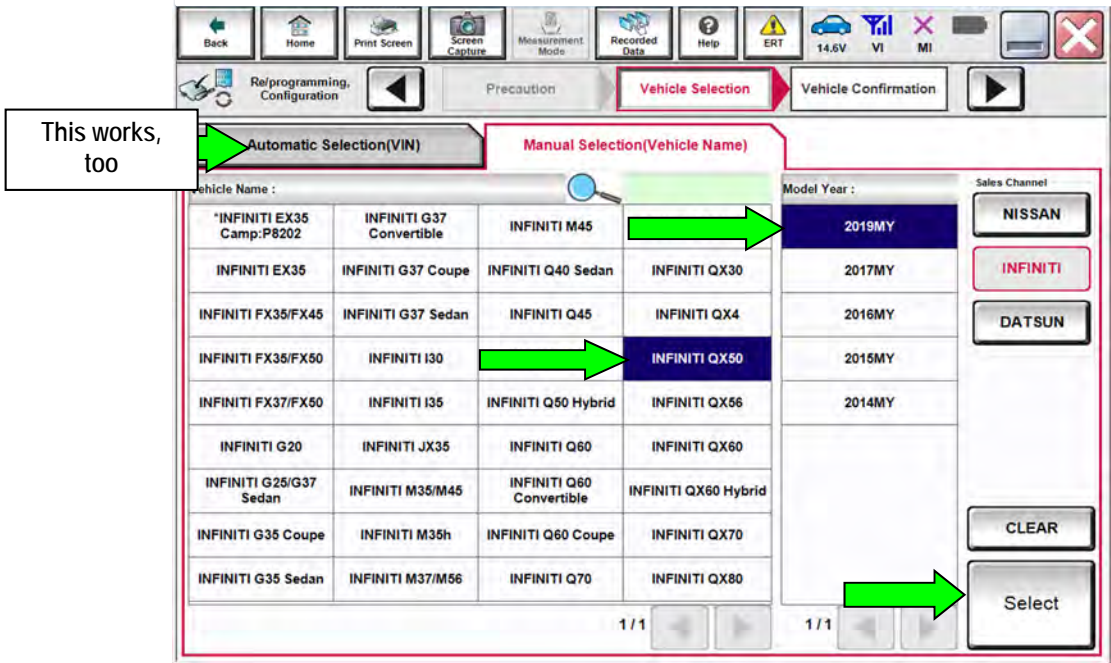


Figure 3

9. Verify the VIN in **VIN or Chassis #** matches the vehicle.
10. If the correct VIN exists, select **Confirm**.

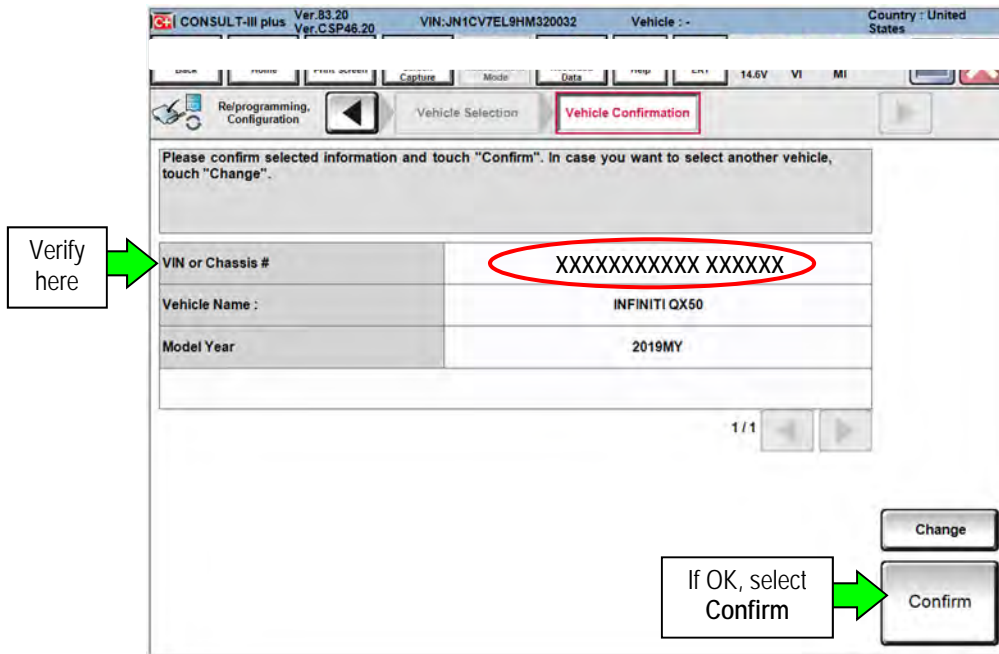


Figure 4

11. Select Confirm.

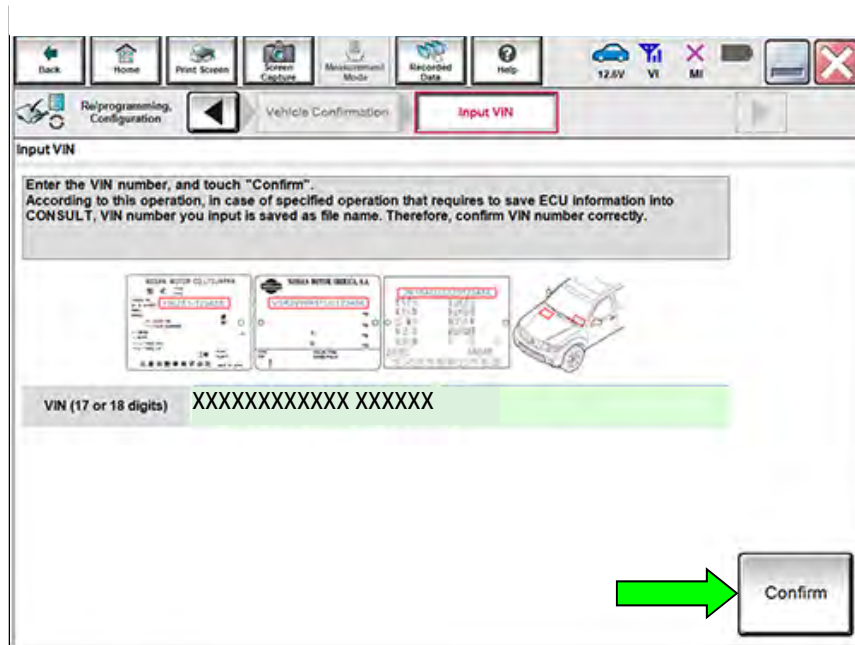


Figure 5

12. Select IPDM E/R.

- Wait for system call to complete.

NOTE: If IPDM E/R cannot be selected or is missing, go to Manual Configuration on page 10.

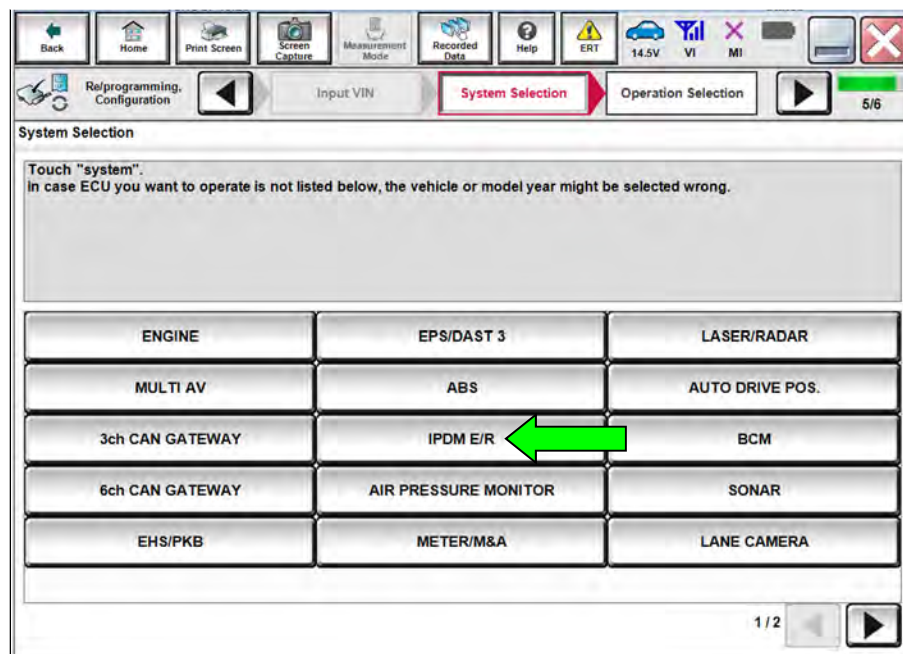


Figure 6

13. Select Read/Write Configuration.

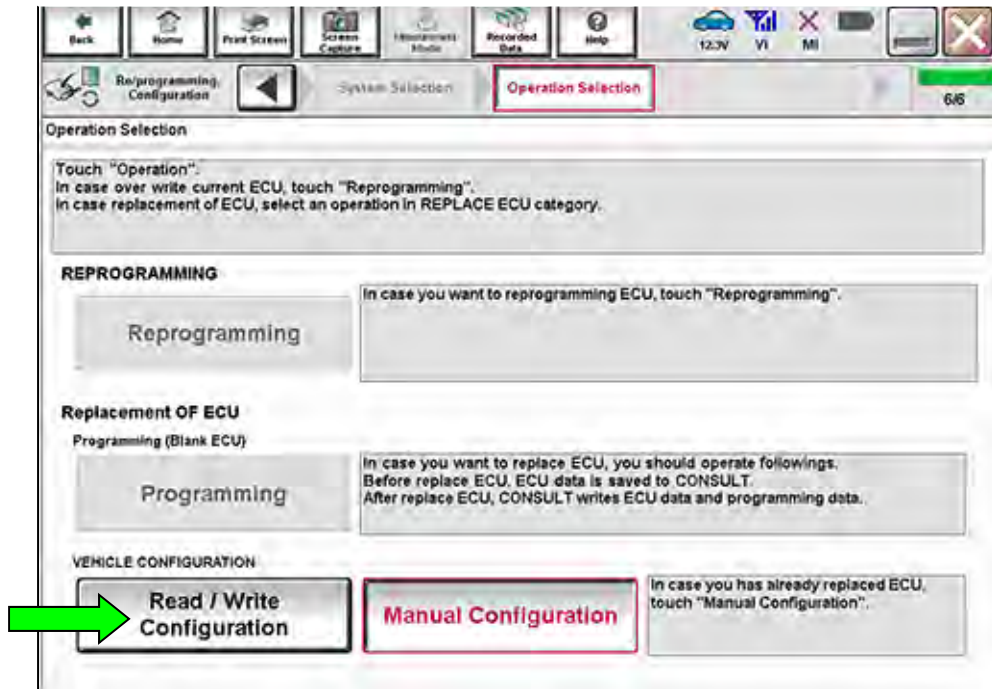


Figure 7

14. Select Before ECU Replacement.

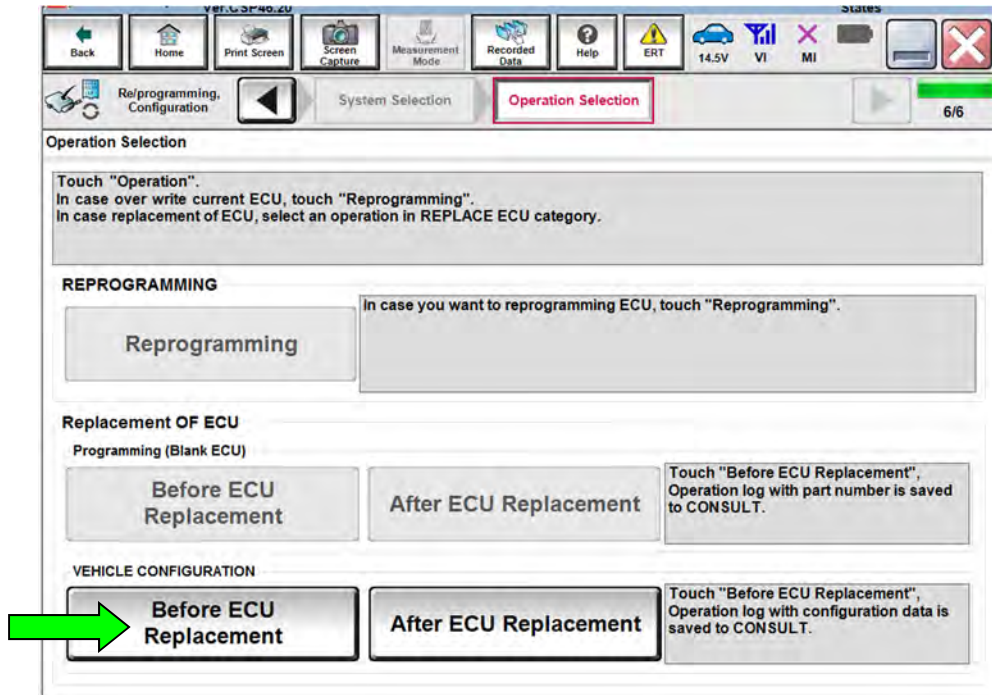


Figure 8

15. Select End.

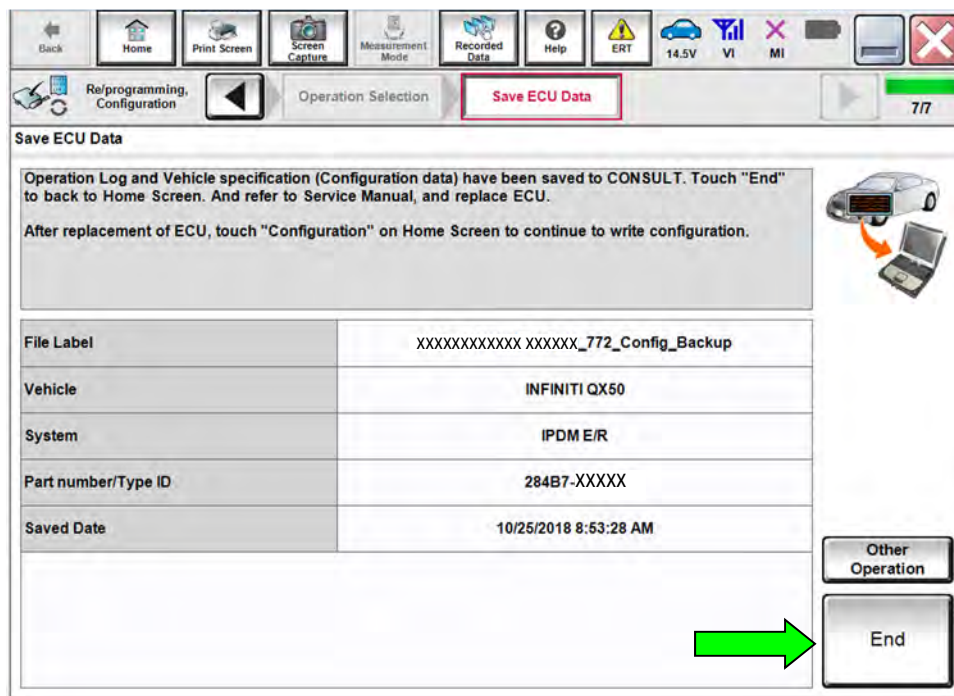


Figure 9

16. Replace the IPDM E/R.

- Refer to the Electronic Service Manual (ESM) for IPDM E/R replacement.
- ELECTRICAL & POWER CONTROL > POWER CONTROL SYSTEM > IPDM E/R > REMOVAL AND INSTALLATION > IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

**NOTE:** Continue to the next step after the IPDM E/R has been replaced.

17. Navigate C-III plus to the screen shown in Figure 10 (refer to steps 1-13).

18. Select **After ECU Replacement**.

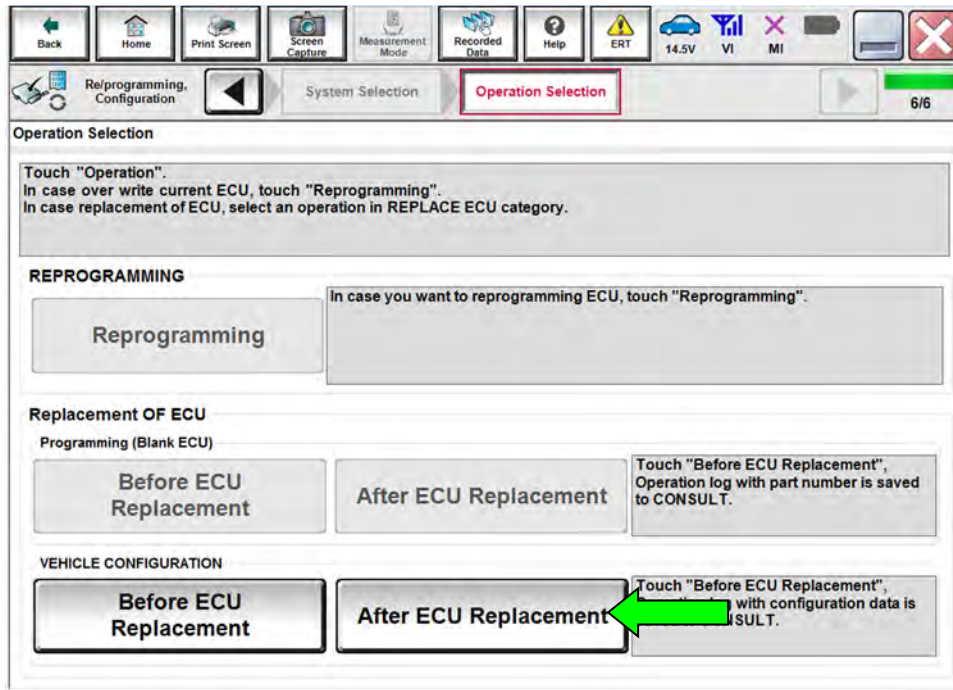


Figure 10

19. Select **OK**.

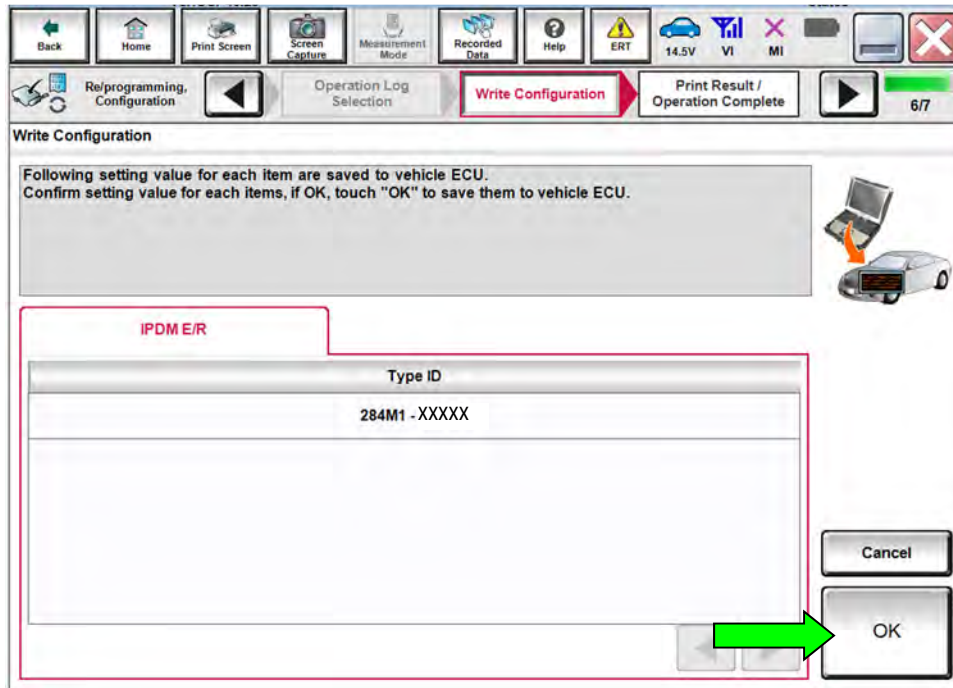


Figure 11



20. Select End.

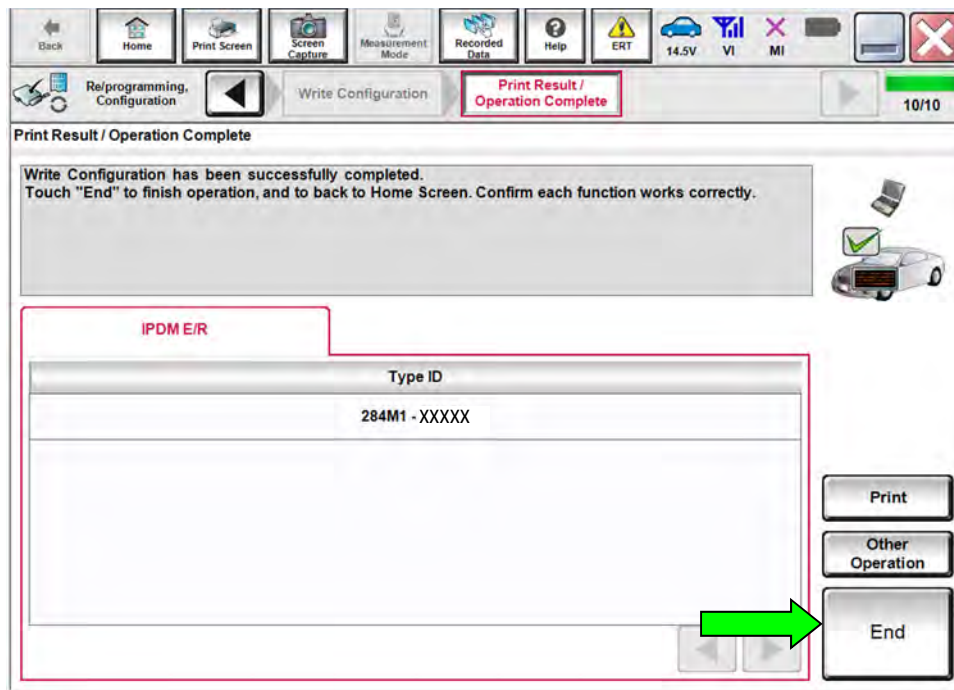


Figure 12

21. Close C-III plus.

**NOTE:** If Read/Write configuration has completed successfully, stop here. Manual configuration is not needed.

## IPDM E/R Configuration (Manual)

### IMPORTANT:

- Manual Configuration will require obtaining the Type ID number (**Number**) from the Electronic Parts Catalog (EPC).
- The EPC will display the Type ID number in a column titled **Number**.

22. Obtain the Type ID number (**Number**) from the Electronic Parts Catalog (EPC) as follows.

- a. Open the EPC.
- b. Enter the VIN in the "Search by" field.
  - The screen in Figure 14 will then display.

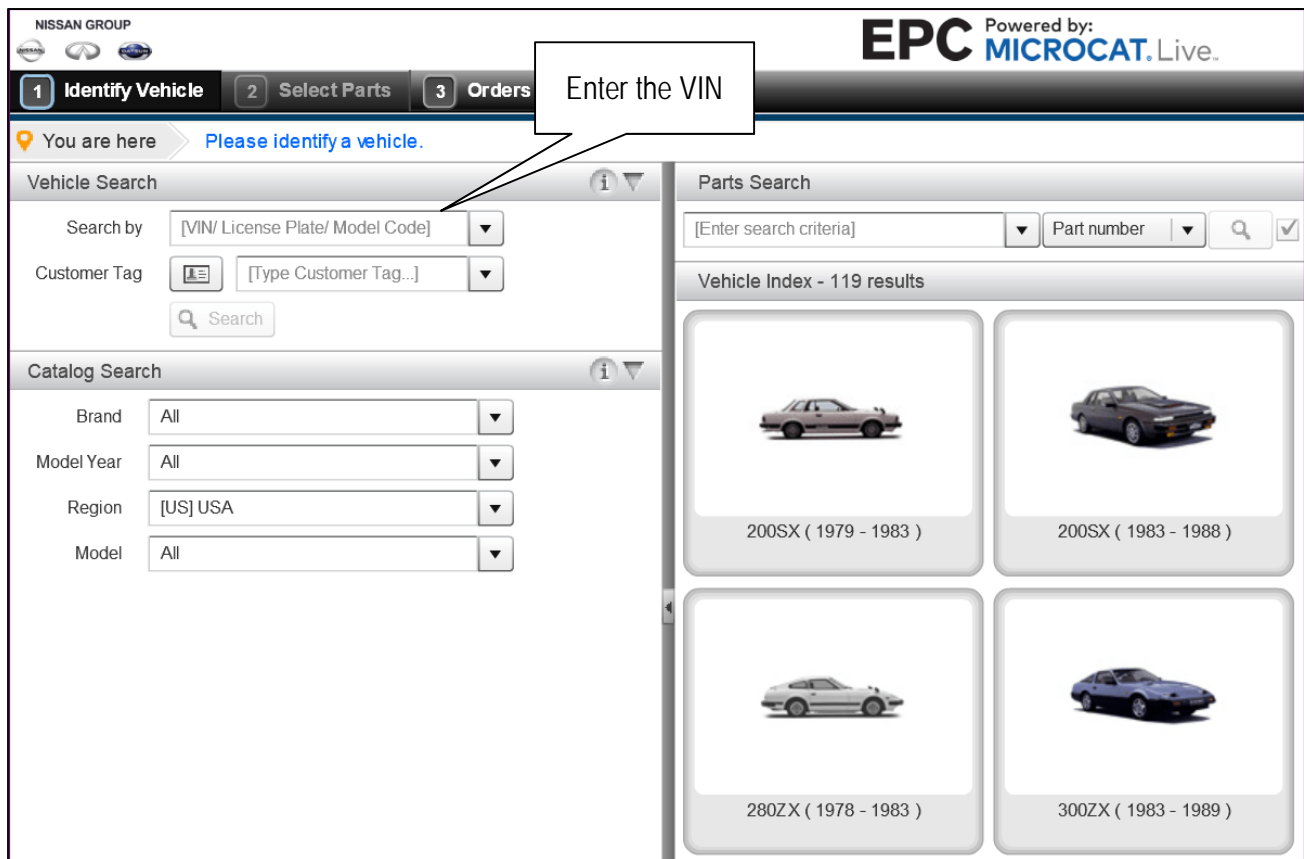


Figure 13

- c. Verify "Part number" is selected in the drop down menu as shown.
- d. Enter **284M1** in the field shown.
  - This is the first 5 digits of the IPDM E/R Type ID number.

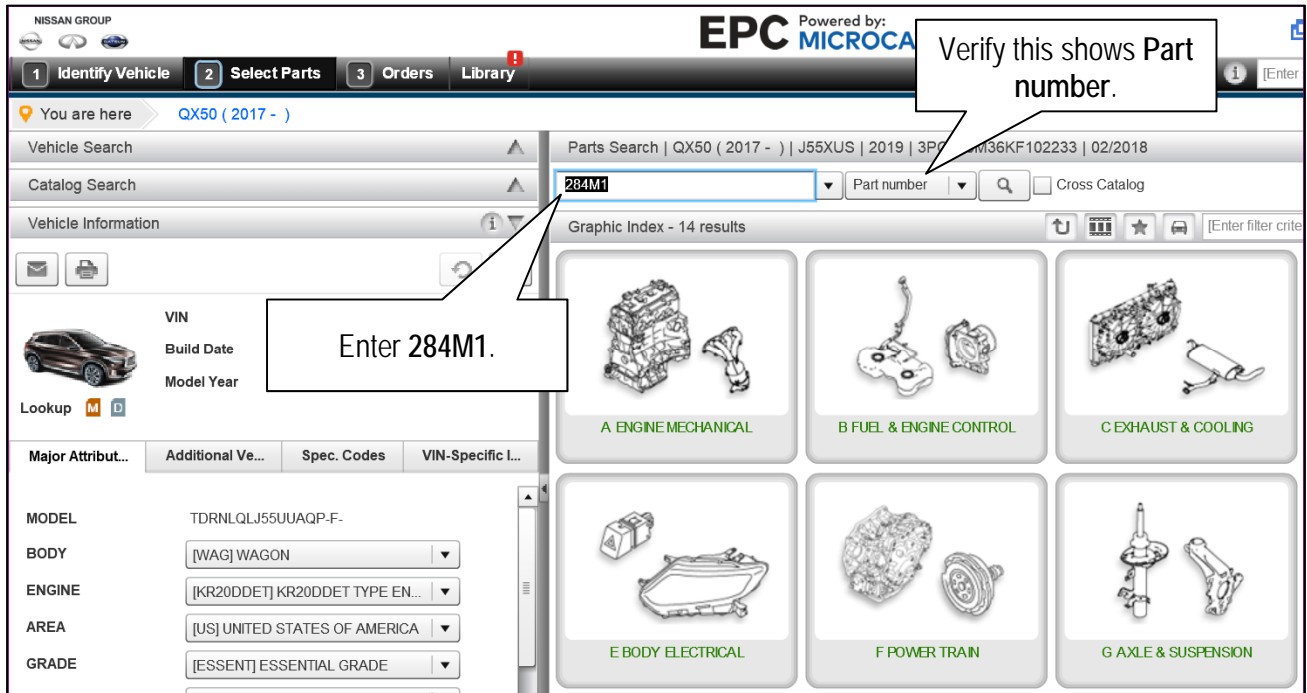


Figure 14

- e. Write this **Number** on the repair order. It will be used to perform Manual Configuration.
  - This is the Type ID number.

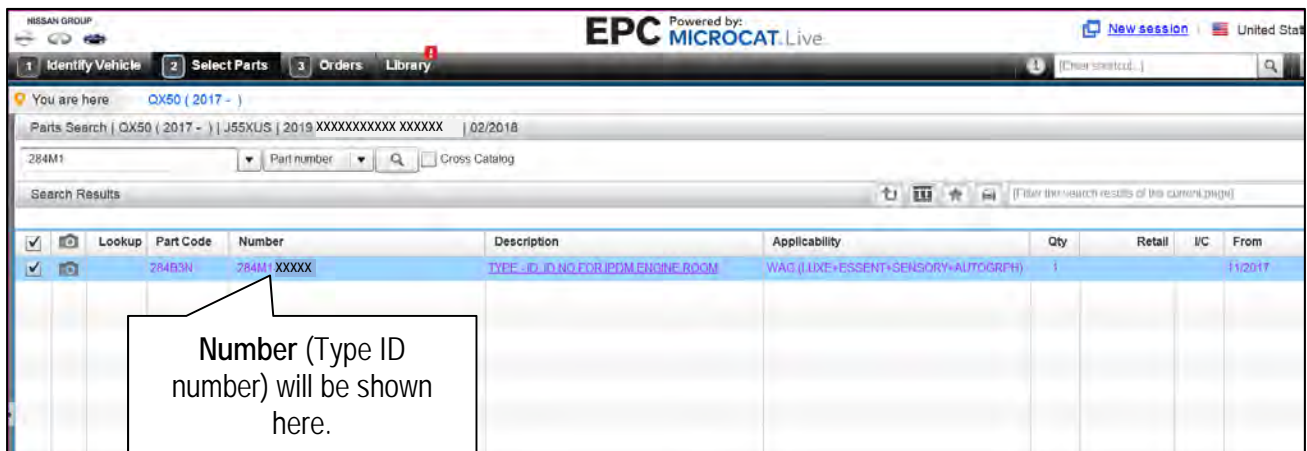


Figure 15

23. Replace the IPDM E/R.

- Refer to the ESM for IPDM E/R replacement.
- ELECTRICAL & POWER CONTROL > POWER CONTROL SYSTEM > IPDM E/R > REMOVAL AND INSTALLATION > IPDM E/R (INTELLIGENT POWER DISTRIBUTION MODULE ENGINE ROOM)

24. Once all ASIST and CONSULT related updates have been performed, attach the CONSULT PC to the vehicle.

25. Connect the AC adapter to the CONSULT PC.

26. Turn ON the CONSULT PC, and then open C-III plus.

27. Turn the ignition ON, with engine OFF.

- The meter and gauges will illuminate.
- Do Not start the engine.
- Make sure all accessories are turned OFF.

28. After the plus VI is recognized, select **Re/programming, Configuration**.

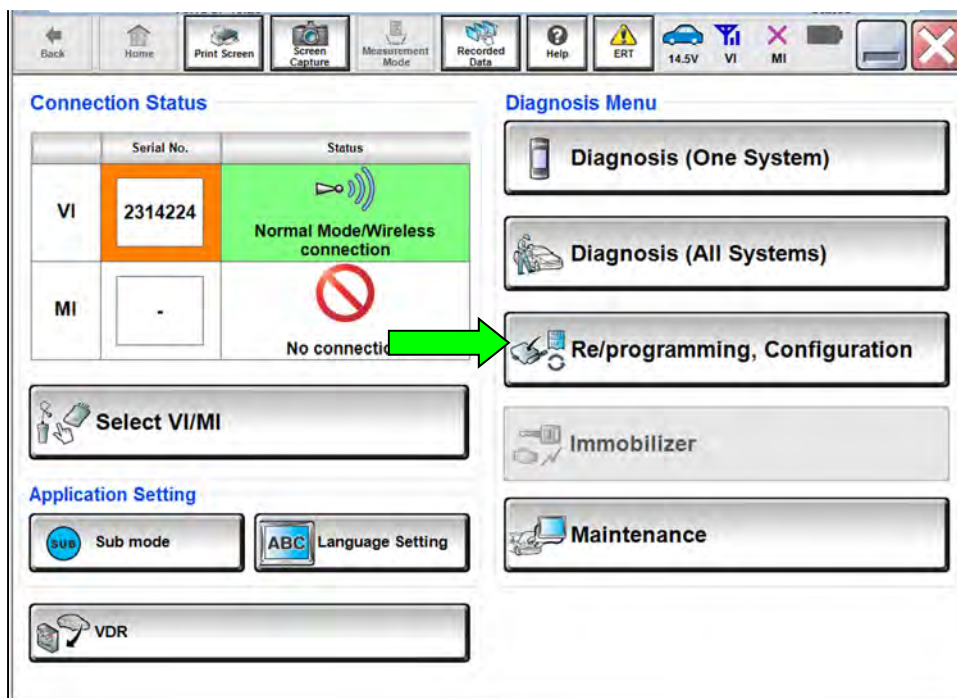


Figure 16

29. Click on the **Confirmed Instructions** box and then select **Next**.

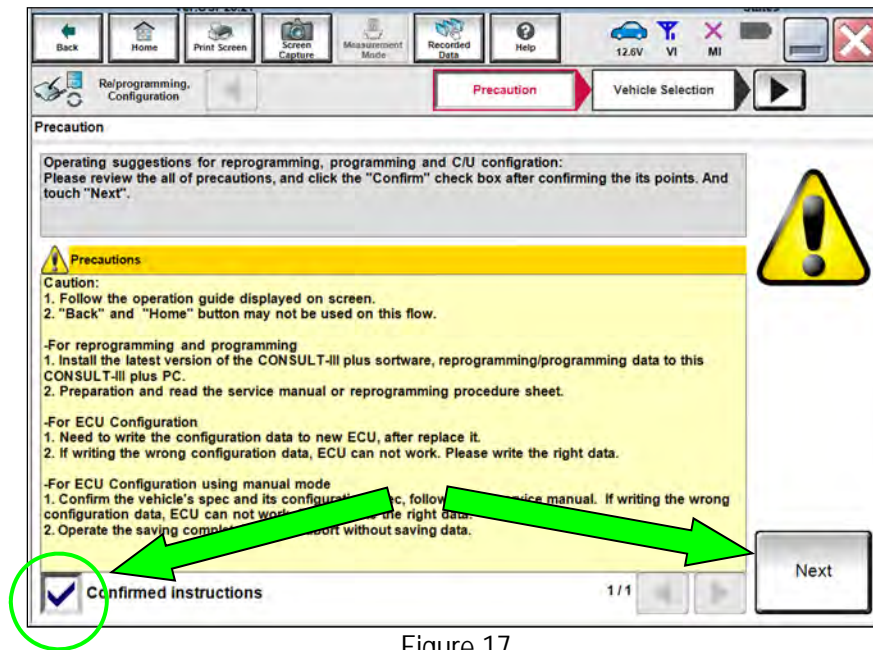


Figure 17

30. Select **QX50** and **2019** or **Automatic Selection(VIN)**.

- If the screen in Figure 18 does not display – skip to step 32.
- If **Automatic Selection(VIN)** is selected, wait for the **Reading VIN** screen to complete (picture not shown).

31. Select **Select**.

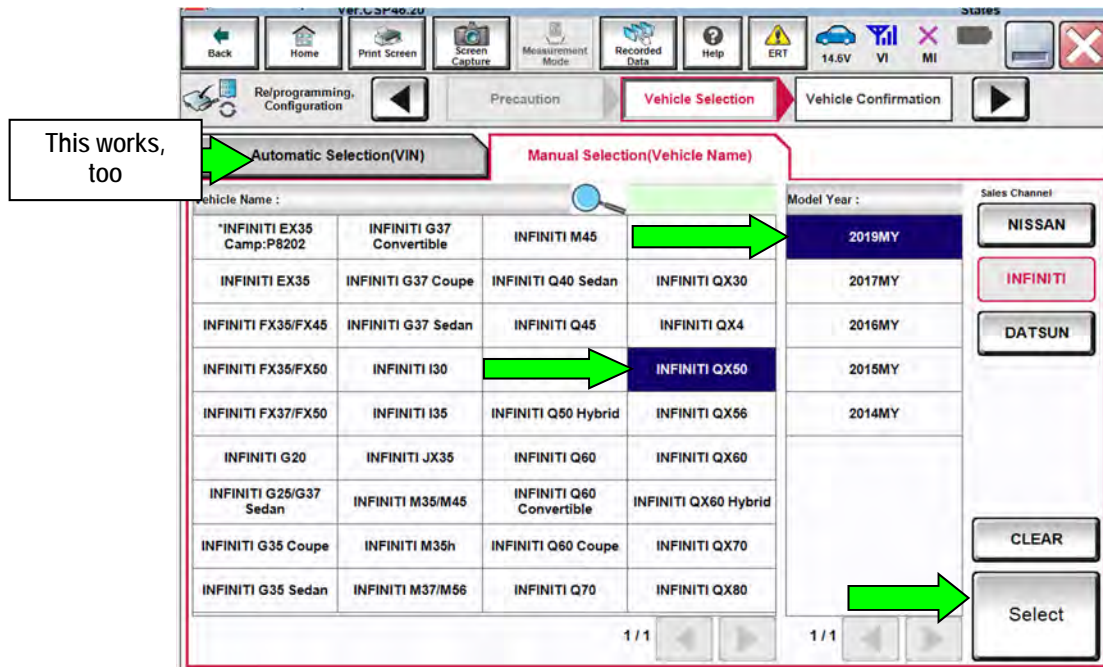


Figure 18

32. Verify the VIN in **VIN or Chassis #** matches the vehicle.

33. If the correct VIN is displayed, select **Confirm**.

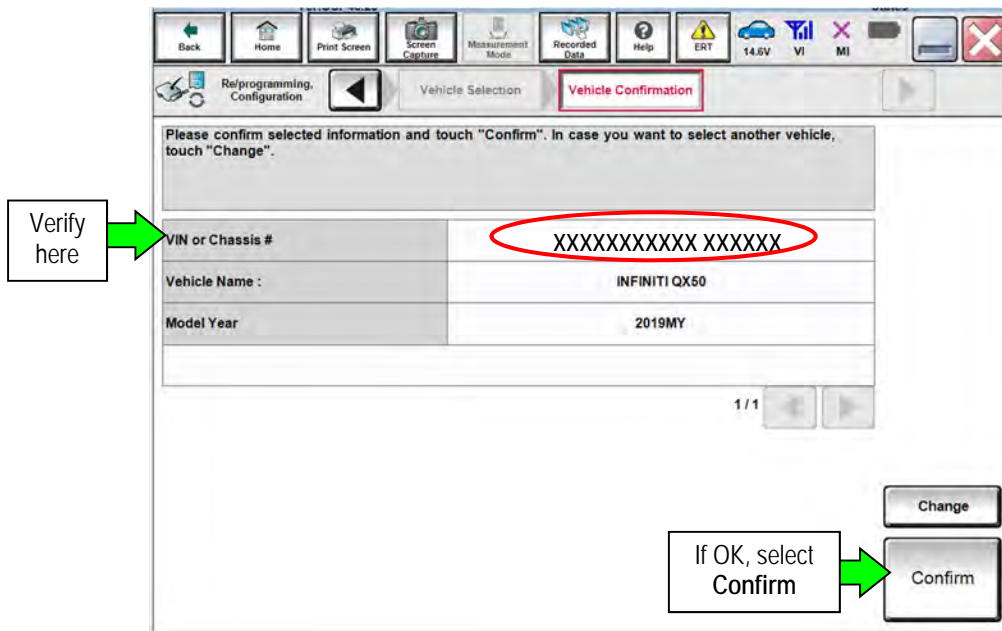


Figure 19

34. Select **Confirm**.

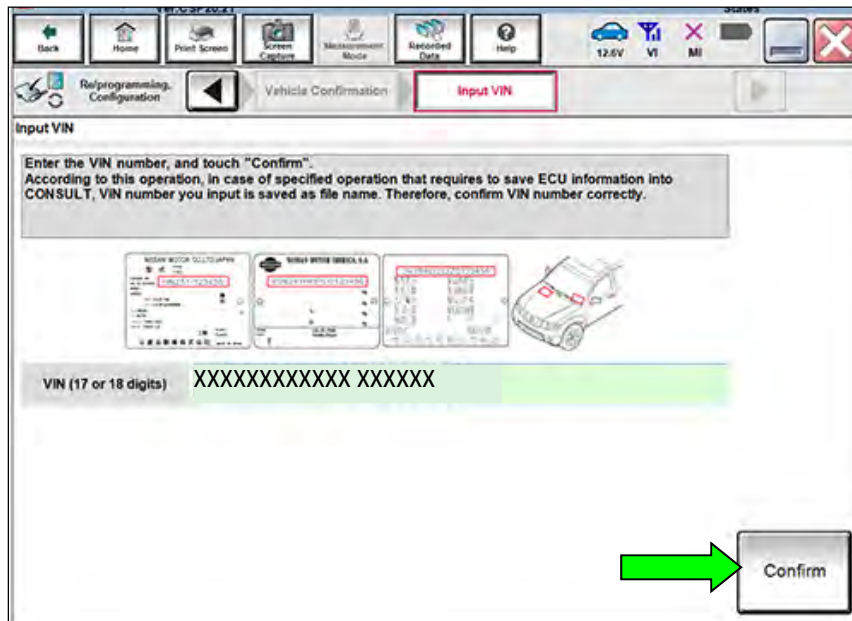


Figure 20

35. Select IPDM E/R.

- Wait for system call to complete.

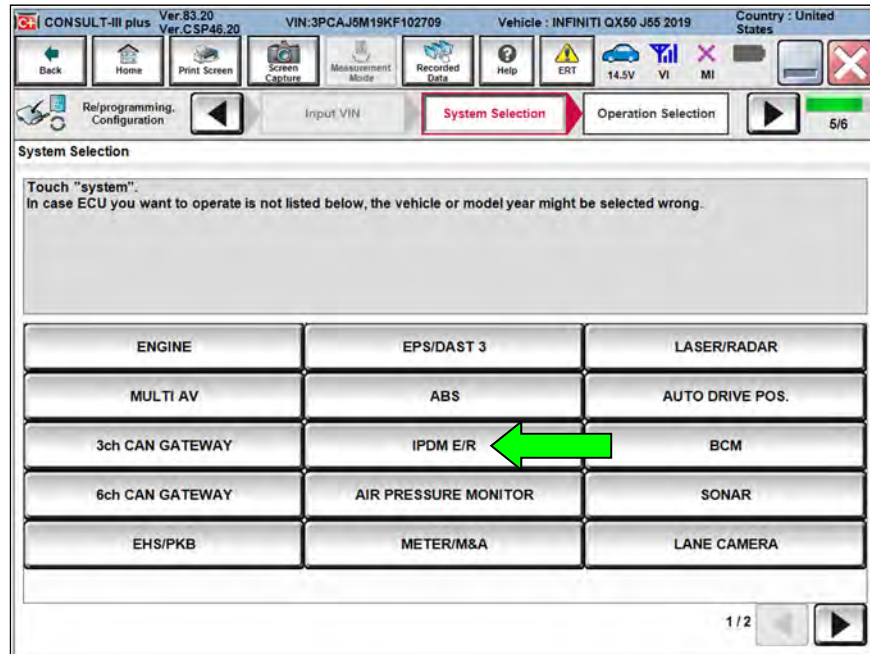


Figure 21

36. Select Manual Configuration.

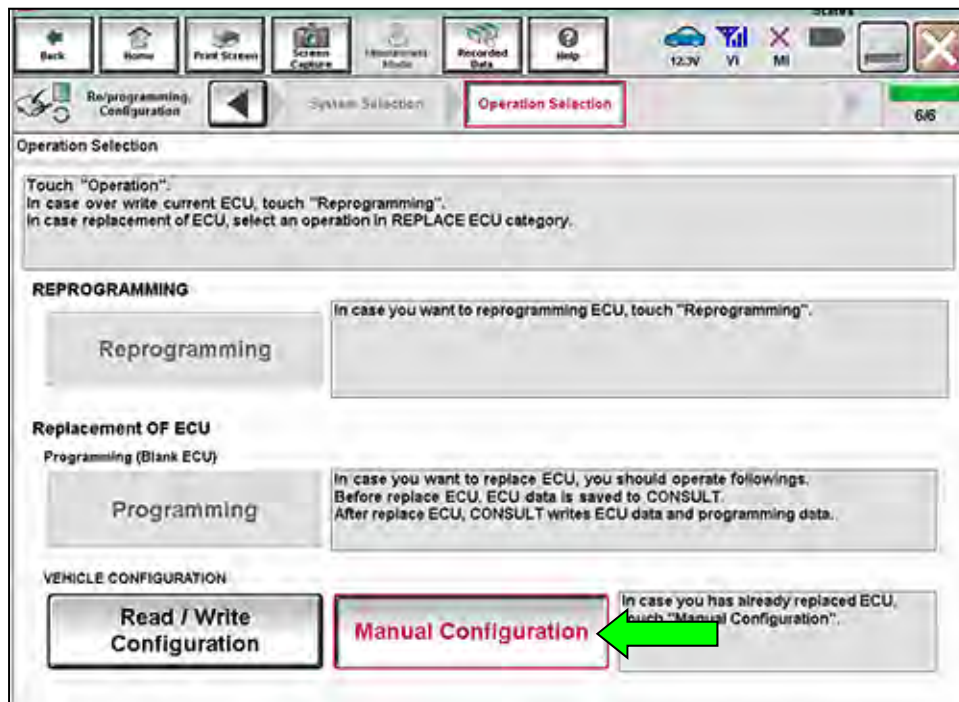


Figure 22

37. Use the arrows to locate and select the correct **Type ID**.

- This is the Number that was written down from the EPC.

38. Select **Next**.

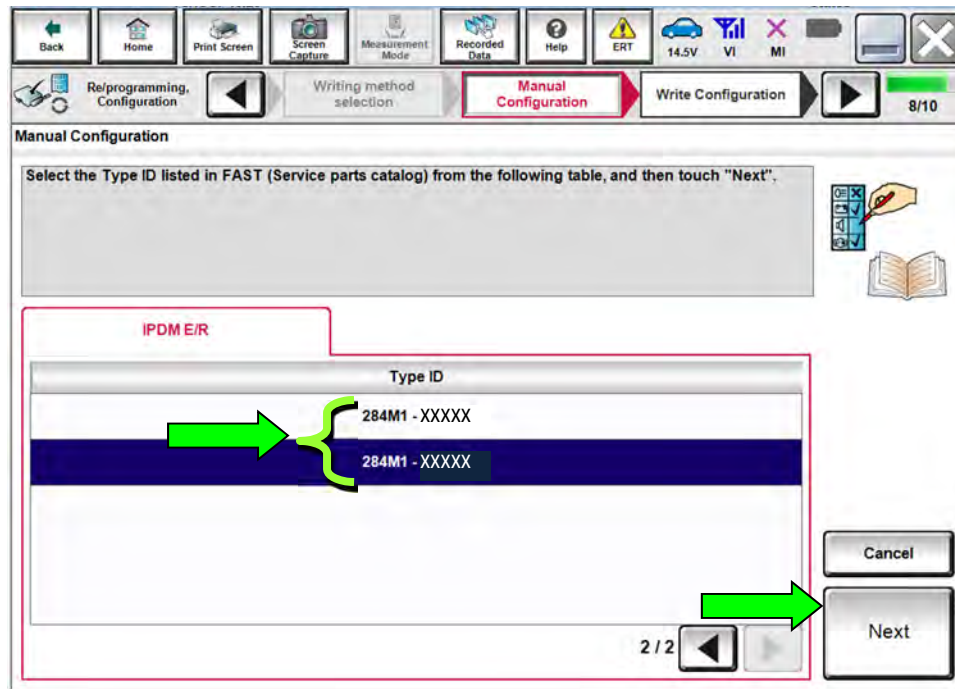


Figure 23

39. Select **OK** and wait for the data to transfer.

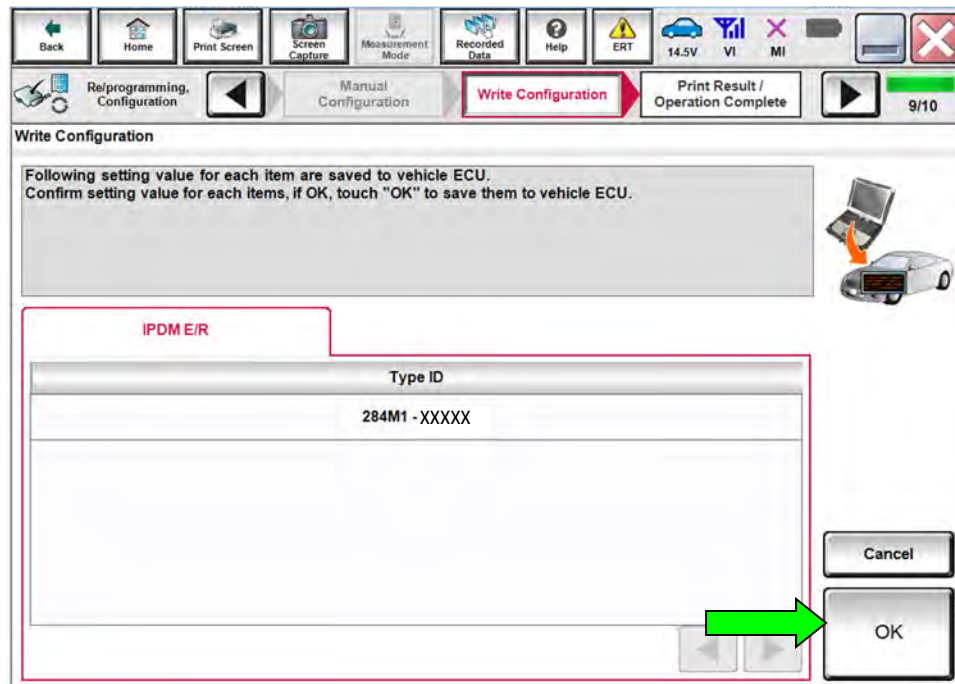


Figure 24



40. Select End.

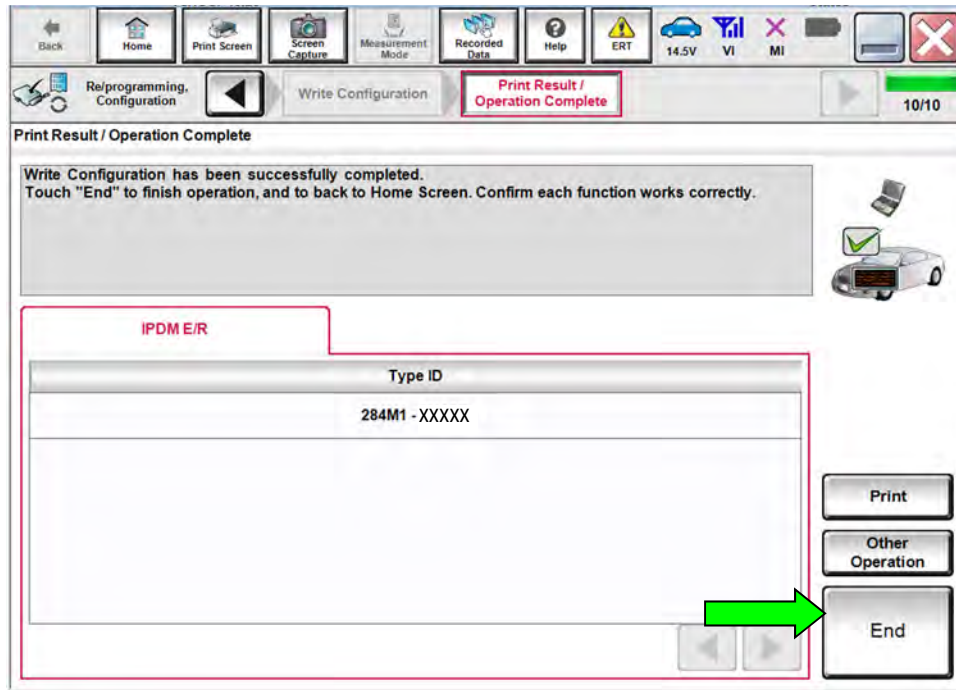


Figure 25

41. Close C-III plus.

#### AMENDMENT HISTORY

PUBLISHED DATE	REFERENCE	DESCRIPTION
November 14, 2018	ITB18-038	Original bulletin published

