

Classification:

BR18-007

Reference:

ITB18-032

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Date:

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VOLUNTARY SAFETY RECALL CAMPAIGN 2017 QX60; ABS ACTUATOR

CAMPAIGN ID #: R1808
NHTSA #: 18V-601
APPLIED VEHICLES: 2017 QX60 (L50)

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

INTRODUCTION

Infiniti is conducting a voluntary safety recall campaign on certain specific model year 2017 QX60 vehicles to inspect and, if necessary, replace the ABS Actuator and Electric Unit (ABS control unit). This service will be performed at no charge for parts or labor.

IDENTIFICATION NUMBER

Infiniti has assigned identification number R1808 to this campaign. This number must appear on all communication and documentation of any nature dealing with this campaign.

DEALER RESPONSIBILITY

It is the dealer'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 safety recall which for any reason enters the service department. This includes vehicles purchased from private parties or presented by transient (tourist) owners and vehicles in a dealer's inventory. **Federal law requires that new vehicles in dealer inventory which are the subject of a safety 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 dealers to correct any used vehicles in their inventory before they are retailed.

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.

IMPORTANT: If there is a delay between vehicle arrival at the dealer and performance of the Service Procedure, park the vehicle outside away from other vehicles and structures, disconnect the vehicle 12 volt battery and leave it disconnected while the vehicle is parked waiting for service.

SERVICE PROCEDURE

1. Open the engine hood and locate the ABS Actuator and Electric Unit (ABS control unit).

- ABS control unit is on the passenger side of the engine compartment next to the engine wall.



Figure 1A

2. Locate the serial number on the top of the ABS control unit next to the QR label (see Figures 1A - 2A).

- If there is no serial number (the area shown in Figure 2A is blank), the ABS control unit (ABS actuator) is OK. **No further repair is required.**

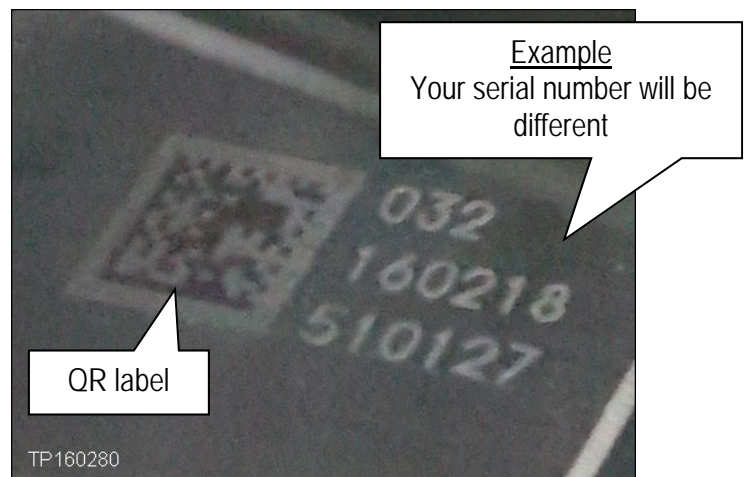


Figure 2A

3. Write the 15-digit serial number on the repair order.

- In the example in Figure 2A, the serial number is 032160218510127 (this is an example - your serial number will be different).

NOTE: It may be easier to take a photo of the serial number with a smart phone and then read the serial number on the photo.

- Take the repair order (with the serial number) to an ASIST work station.
- On the left side of the ASIST main menu, select **Tech Support Info**, then **Bulletin Support Items**.

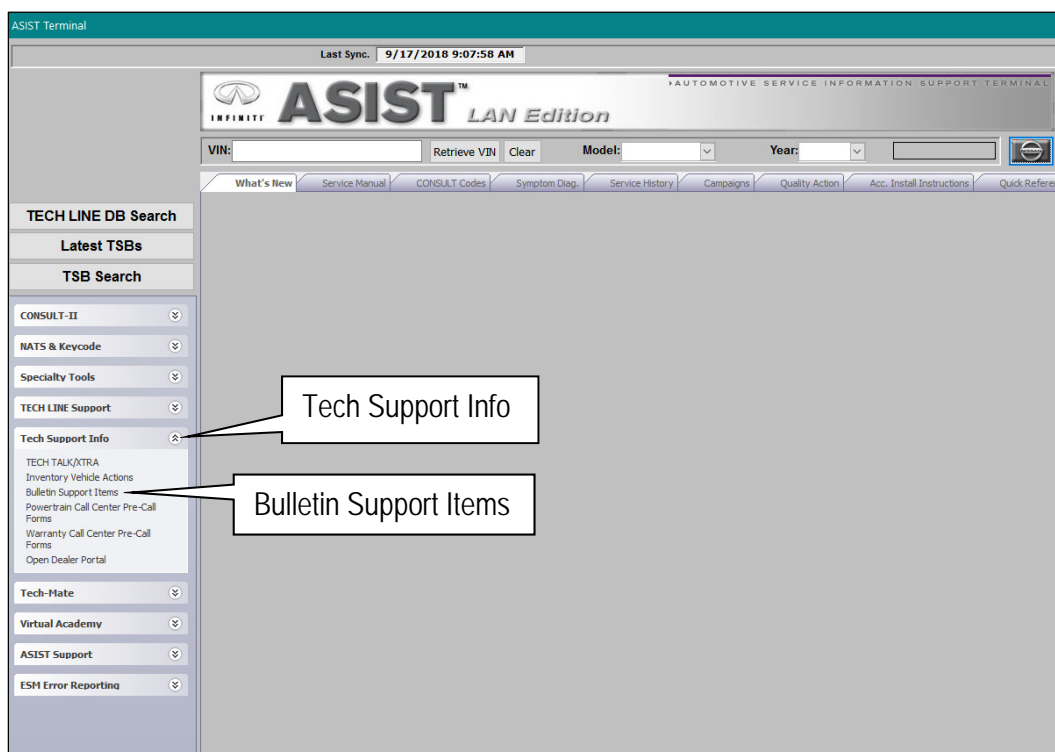


Figure 3A

- Locate **R1808 – ABS Actuator Inspection**, then select **CLICK HERE**.

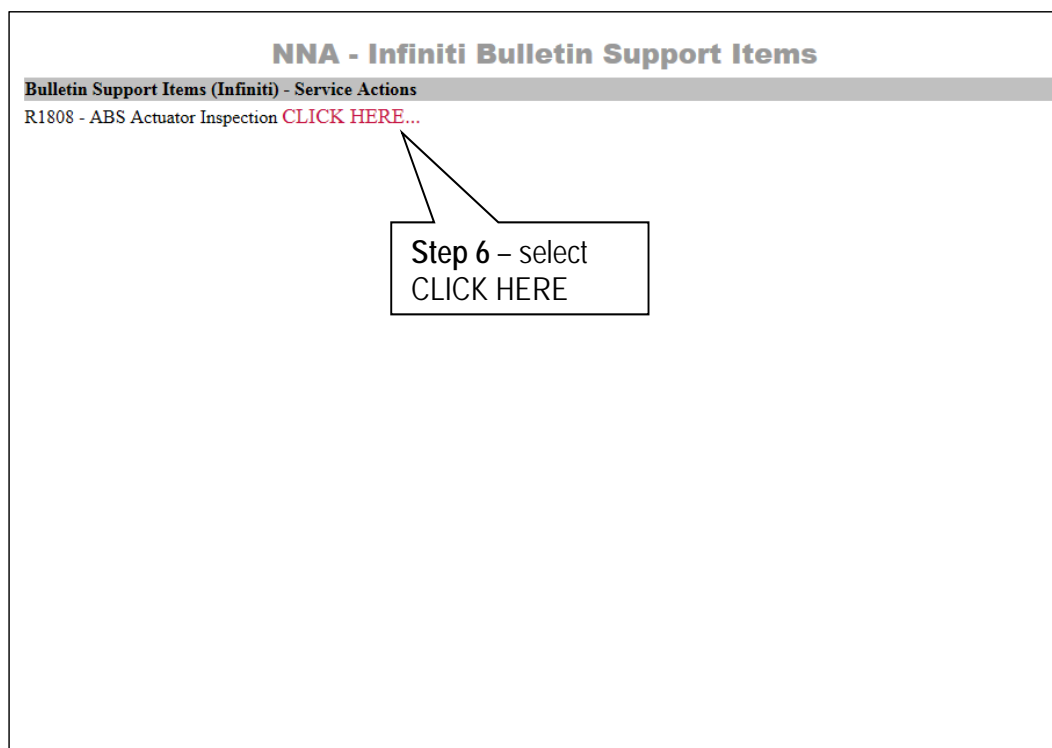


Figure 4A

7. Type in the 15-digit serial number.
8. Select **Check**.
 - If your ABS control unit (ABS Actuator) is OK, the **OK** message shown in Figure 5A will display.
 - The screen in Figure 5A showing the 15-digit serial number and the **OK** message, **MUST** be printed and attached to the repair order for warranty documentation.

The screenshot shows a diagnostic screen titled "R1808 - ABS Actuator Inspection" with a timestamp of "9/17/2018 1:10:31 PM". Below the title, it says "Please enter a 15 digit Serial Number including leading zero." There is a text input field containing "XXXXXXXXXXXXXXXXXX" with a callout "Step 7" pointing to it. To the right of the input field is a "Check" button with a callout "Step 8" pointing to it. Below the input field, a green box displays the message: "ABS Actuator is OK. No repair required." and "Submit INSPECT ONLY claim per Campaign Bulletin." A callout "Figure 5A" points to the entire screen. Another callout "Example OK message" points to the green box, with a note: "An example of the NG message is on the next page."

IMPORTANT: If the ABS control unit (ABS Actuator) is OK per the check above, but the **ABS warning light is ON:**

- The vehicle should not be driven.
- Diagnose and repair under normal warranty; this campaign does not apply.
- If there is a delay between inspection and repair, park the vehicle outside away from other vehicles and structures, disconnect the vehicle 12 volt battery and leave it disconnected while the vehicle is parked waiting for service.

- If your ABS control unit (ABS Actuator) is NG, the **Replace ABS Actuator** message shown in Figure 6A will display.
- The screen in Figure 6A showing the 15-digit serial number and the Replace ABS Actuator message, **MUST** be printed and attached to the repair order for warranty documentation.

R1808 - ABS Actuator Inspection

9/17/2018 1:15:22 PM

Please enter a 15 digit Serial Number including leading zero.

Check

“Replace ABS Actuator per Campaign Bulletin.”

Example Replace ABS Actuator message

Figure 6A

IMPORTANT: If the ABS control unit (ABS Actuator) is NG:

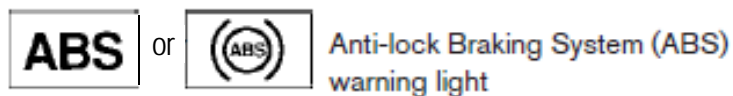
- The vehicle should not be driven.
- If parts are not available, provide the customer with a rental.
- If there is a delay between inspection and replacement of the ABS control unit, park the vehicle outside away from other vehicles and structures, disconnect the vehicle 12 volt battery and leave it disconnected while the vehicle is parked waiting for service.

9. If the ABS Actuator and Electric Unit (ABS control unit) requires replacement:

- If parts are not available, provide the customer with a rental.
- Refer to the appropriate Electronic Service Manual (ESM), section BRAKES-BRAKE CONTROL SYSTEM, for replacement information.
- Follow all instructions in the ESM for ABS Control Unit replacement.
- **IMPORTANT:** Make sure ADJUSTMENT OF STEERING ANGLE SENSOR NEUTRAL POSITION and CALIBRATION OF DECEL G SENSOR are done as part of the ABS Control Unit replacement procedure (both are listed in the Installation section of the procedure).
- Refer to the next page for ABS Control Unit Configuration.

IMPORTANT: If there is a delay between inspection and replacement of the ABS control unit, park the vehicle outside away from other vehicles and structures, disconnect the vehicle 12 volt battery and leave it disconnected while the vehicle is parked waiting for service.

10. After the procedure is complete (ABS control unit replaced and configured), check the ABS warning light for proper operation.



- When the ignition is turned ON, the ABS warning light illuminates for a few seconds and then turns OFF. This indicates the ABS is operational.
- If the ABS warning light stays illuminated, refer to ASIST and the ESM for further diagnosis.
- Repairs beyond ABS control unit replacement are not covered by this bulletin.

ABS CONTROL UNIT CONFIGURATION PROCEDURE

IMPORTANT: Before starting, 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.

NOTE: Although the ABS Control Unit Configuration Procedure is contained in the ESM, the instructions on pages 7 through 12 contain additional detail that may be helpful.

1. Connect CONSULT-III plus (C-III plus) to the vehicle.
2. Turn the ignition ON.
3. Open / start C-III plus.
4. Wait for the plus VI to be recognized.
 - The serial number will display when the plus VI is recognized.
5. Select **Re/programming, Configuration**.

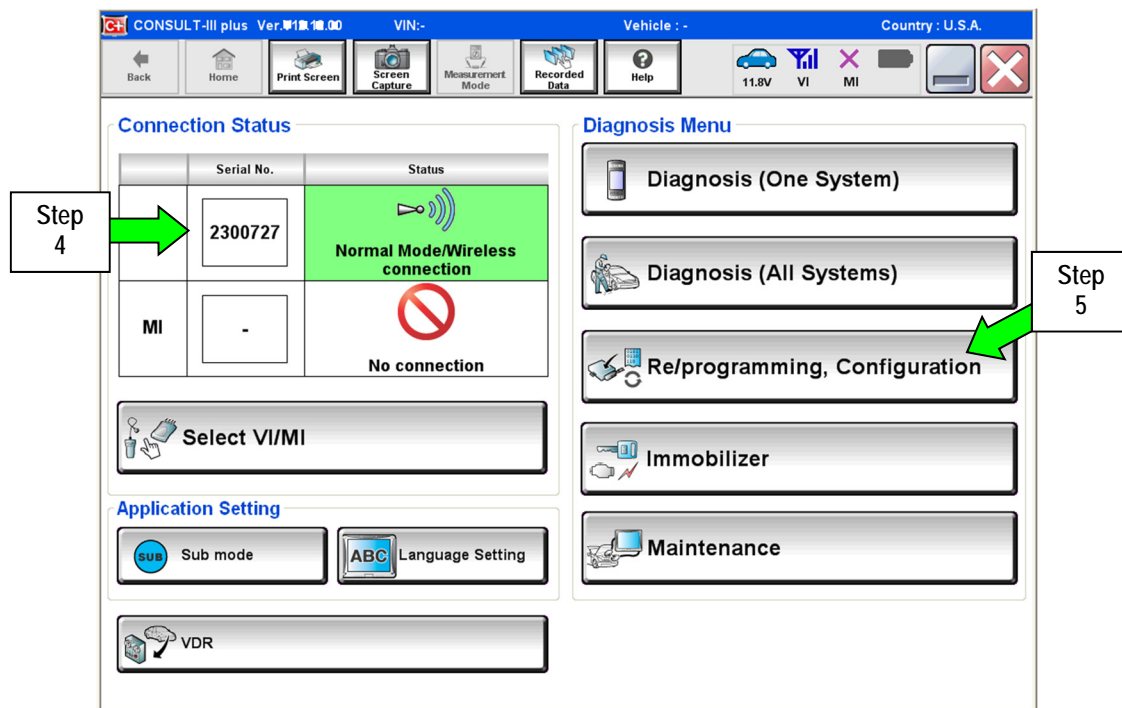


Figure 1B

6. Use arrows (if needed) to view and read all precautions.
7. Check the box confirming the precautions have been read.
8. Select **Next**.

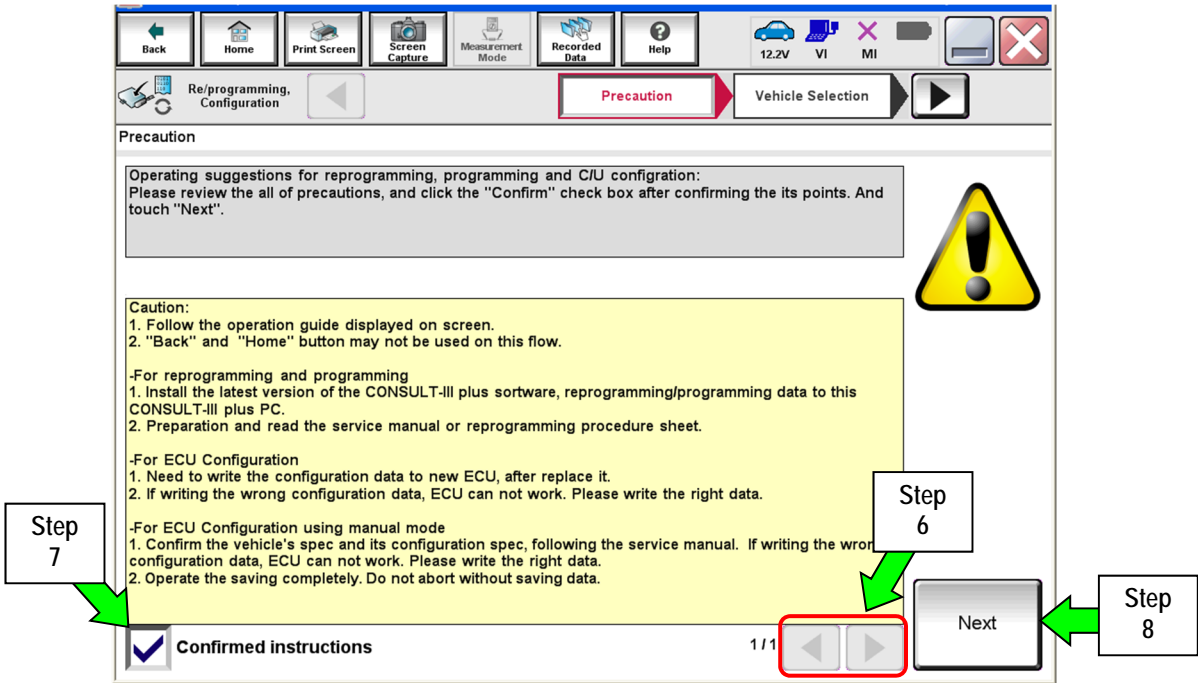


Figure 2B

9. If the screen in Figure 3B displays, select **Automatic Selection(VIN)**.
 - If the screen in Figure 3B does not display, skip to step 10.

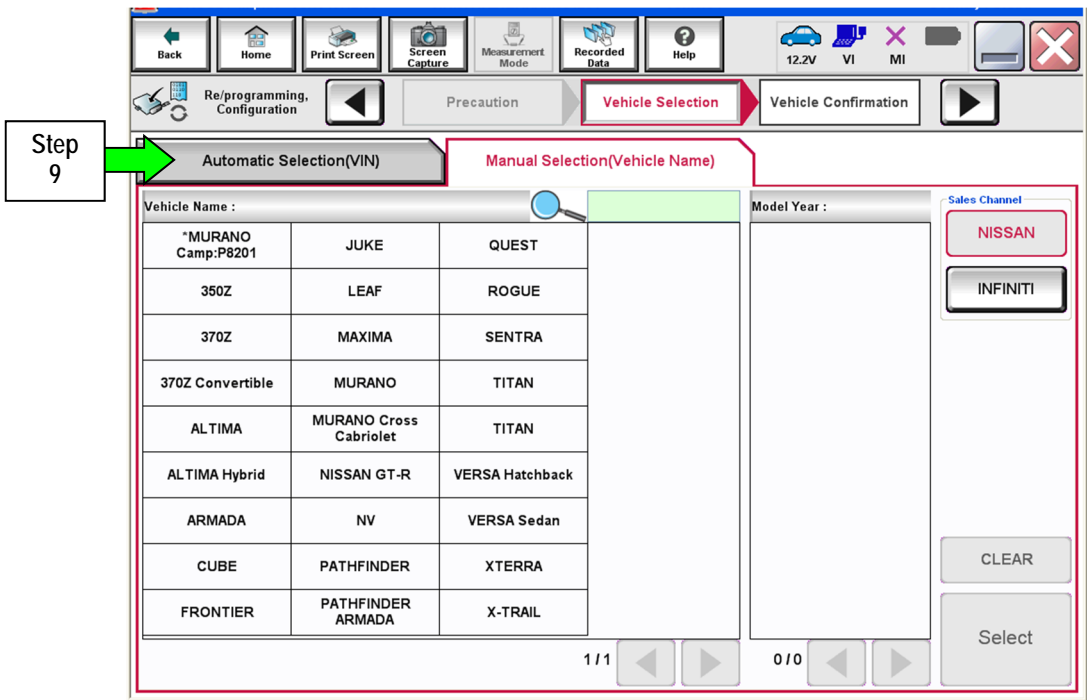


Figure 3B

11. Select **Confirm**.

[illegible]

Figure 5B

13. Select ABS.

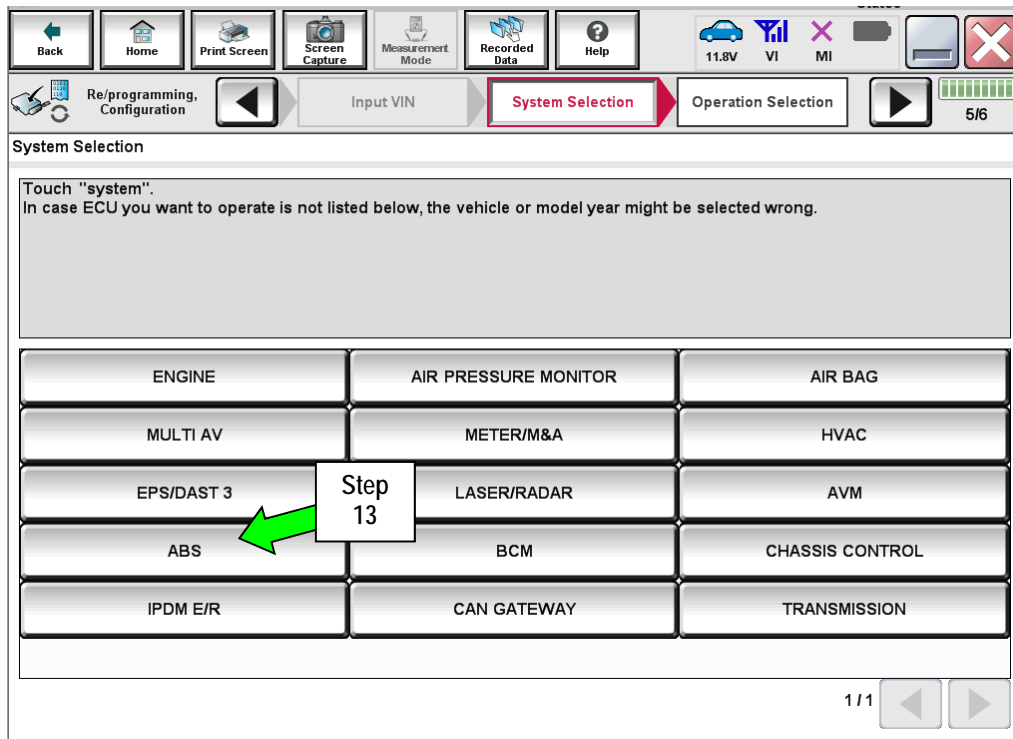


Figure 6B

14. Select Manual Configuration.

- DO NOT select Reprogramming.

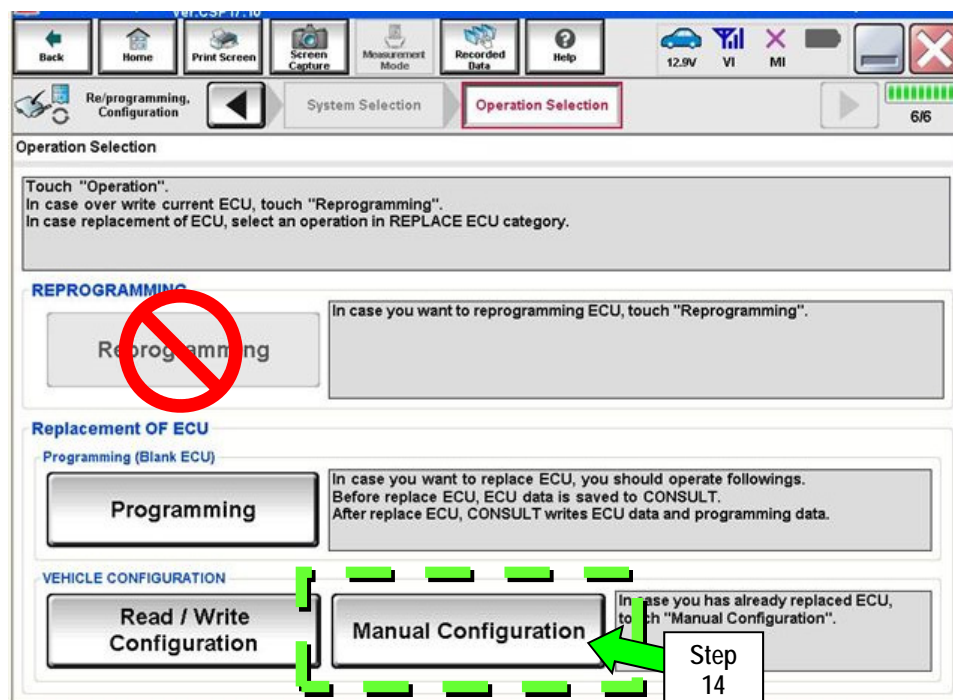


Figure 7B

15. Select the correct **Type ID** number.

- Refer to **Table A** below for the correct **Type ID** number for the vehicle you are working on.
- If needed, use scroll arrows to find the correct number.

NOTE: When a vehicle has only one configuration available, a list will not be displayed. Select **Next** (step 16), and C-III plus will select the correct configuration.

16. Select **Next**.

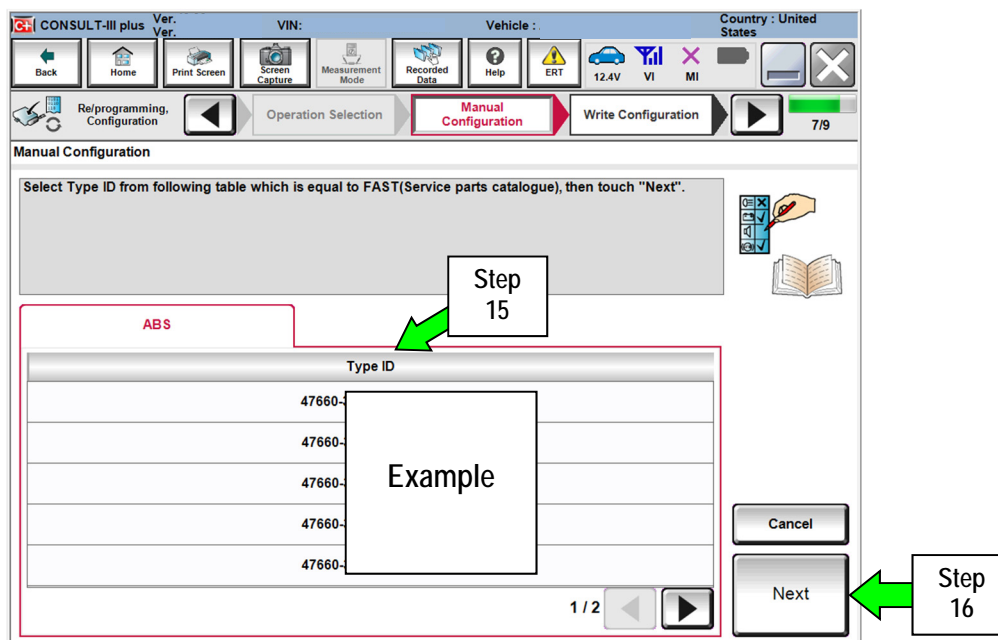


Figure 8B

TABLE A

Model	Vehicle Options	TYPE ID #
2017 QX60	2WD with ICC	47660 - 9PP2B
	2WD with ICC and FEB	47660 - 9PP3B
	4WD with ICC	47660 - 9PP4B
	4WD with ICC and FEB	47660 - 9PP5B
	2WD without ICC	47660 - 9PP2D
	4WD without ICC	47660 - 9PP3D

* ICC = Intelligent Cruise Control. FEB = Forward Emergency Braking.

17. Confirm the correct Type ID number is selected.

18. Select OK.

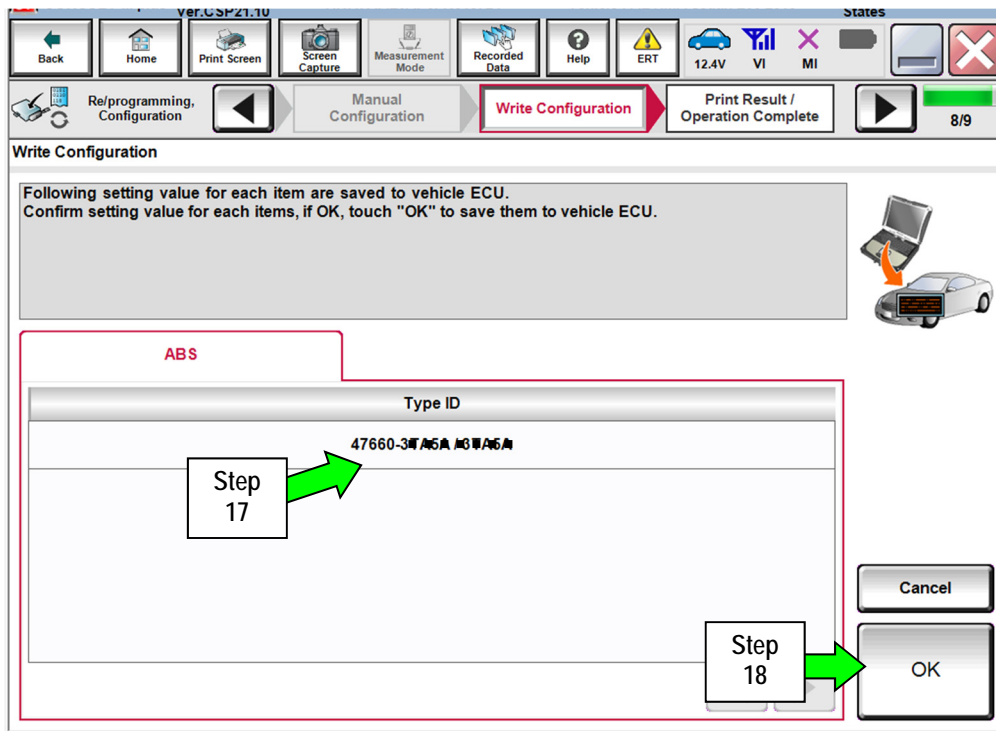


Figure 9B

19. Configuration is complete, select End.

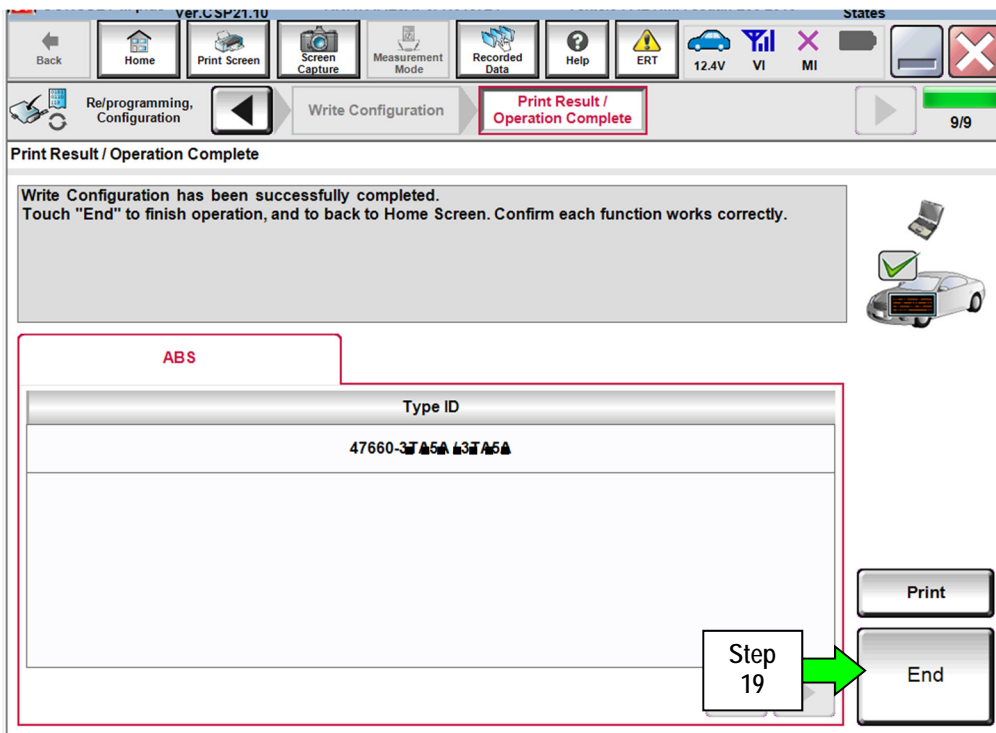


Figure 10B

PARTS INFORMATION

DESCRIPTION	MODEL	PART #	QUANTITY
ABS Control Unit	Vehicles with ICC *	47660 - 9PP1B	1
	Vehicles without ICC *	47660 - 9PP1D	
Brake Fluid (1)	N/A	999MP - A4100P	1

* ICC = Intelligent Cruise Control.

- (1) Order this item through the Infiniti Maintenance Advantage program: Phone: 877-NIS-NMA1 (877-647-6621). Website order via link on dealer portal www.NNAnet.com and click on the "Maintenance Advantage" link.

NOTE: Old parts will be put on parts return. Dealer charge backs will occur if an ABS control unit is replaced incorrectly.

CLAIMS INFORMATION

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

CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
R1808	Inspect anti-lock brake system (ABS) actuator serial number – OK Condition	R18080	0.3 hrs.

OR

CAMPAIGN ("CM") I.D.	DESCRIPTION	OP CODE	FRT
R1808	Inspect anti-lock brake system (ABS) actuator serial number <u>and</u> Replace ABS Control Unit – Replace Condition	R18082	2.8 hrs.

