Technical Bulletin

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SERVICE BULLETIN

Classification:	Reference:	Date:
EC13-007	NTB13-054	May 16, 2013

2013 ALTIMA SEDAN; ENGINE STOPS ON ACCELERATION FROM A STOP AFTER 15 MINUTE IDLE, OR AFTER REFUELING

APPLIED VEHICLE: 2013 Altima Sedan (L33) **with QR25DE (4-cyl) engine ONLY**

IF YOU CONFIRM:

The engine of an applied vehicle stops <u>only on the first attempt of accelerating from a stop</u> after either of the following conditions:

- The engine has been idling for 15 minutes or longer.
- The vehicle was just refueled.

ACTION:

Confirm this bulletin applies.

- Compare the vehicle's current ECM part number to those listed in **Table A** (see page 4).

    If the ECM part number does not match one listed in Table A, this bulletin does not apply. Go back to ASIST for further diagnostic and repair information.

If this bulletin applies, reprogram the ECM.

CLAIMS INFORMATION

Submit a Primary Part (PP) line claim using the following claims coding:

DESCRIPTION	PFP	OP CODE	SYM	DIA	FRT
Reprogram Engine Control Module	(1)	DE97AA	ZE	32	(2)

(1) Reference the Repair Order and use the **current** ECM P/N written down in step 6 of the **SERVICE PROCEDURE** as the PFP.
(2) Reference the current Nissan Warranty Flat Rate Manual and use the indicated FRT.

IMPORTANT: The purpose of **ACTION** (above) is to give you a quick idea of the work you will be performing. You MUST closely follow the <u>entire</u> **SERVICE PROCEDURE** as it contains information that is essential to successfully completing this repair.

SERVICE PROCEDURE

- Most instructions for reprogramming with CONSULT-III plus (C-III plus) are displayed on the CONSULT PC screen.

- If you are not familiar with the reprogramming procedure, *click here*. This will link you to the "CONSULT- III plus (C-III plus) Reprogramming" general procedure.

Preparation for Reprogramming

- Take the vehicle for a 10 minute drive in order to meet the following Idle Air Volume Learn (IAVL) conditions:

  ➢ Engine coolant temperature: 70 -100°C (158 - 212°F)

  ➢ Battery voltage: More than 12.9V (At idle)

  ➢ Transmission: Warmed up

Figure A

  NOTE:

  o After ECM reprogramming is complete, you will be required to perform Throttle Valve Closed Position, Idle Air Volume Learn (IAVL), and Accelerator Closed Position.

  o The above conditions are required for the IAVL to complete.

CAUTION:

- Connect a battery charger to the vehicle battery. The vehicle battery voltage must stay between 12.0V and 15.5V during reprogramming, or the ECM may be damaged.

- Be sure to turn OFF all vehicle electrical loads. 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 VI. If Bluetooth® signal waves are within range of the CONSULT PC during reprogramming, reprogramming may be interrupted and the ECM may be damaged.

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1. Connect the CONSULT PC to the vehicle to begin the reprogramming procedure.

2. Start C-III plus.

3. Wait for the plus VI to be recognized.

    - The **Serial No.** will display when the plus VI is recognized.
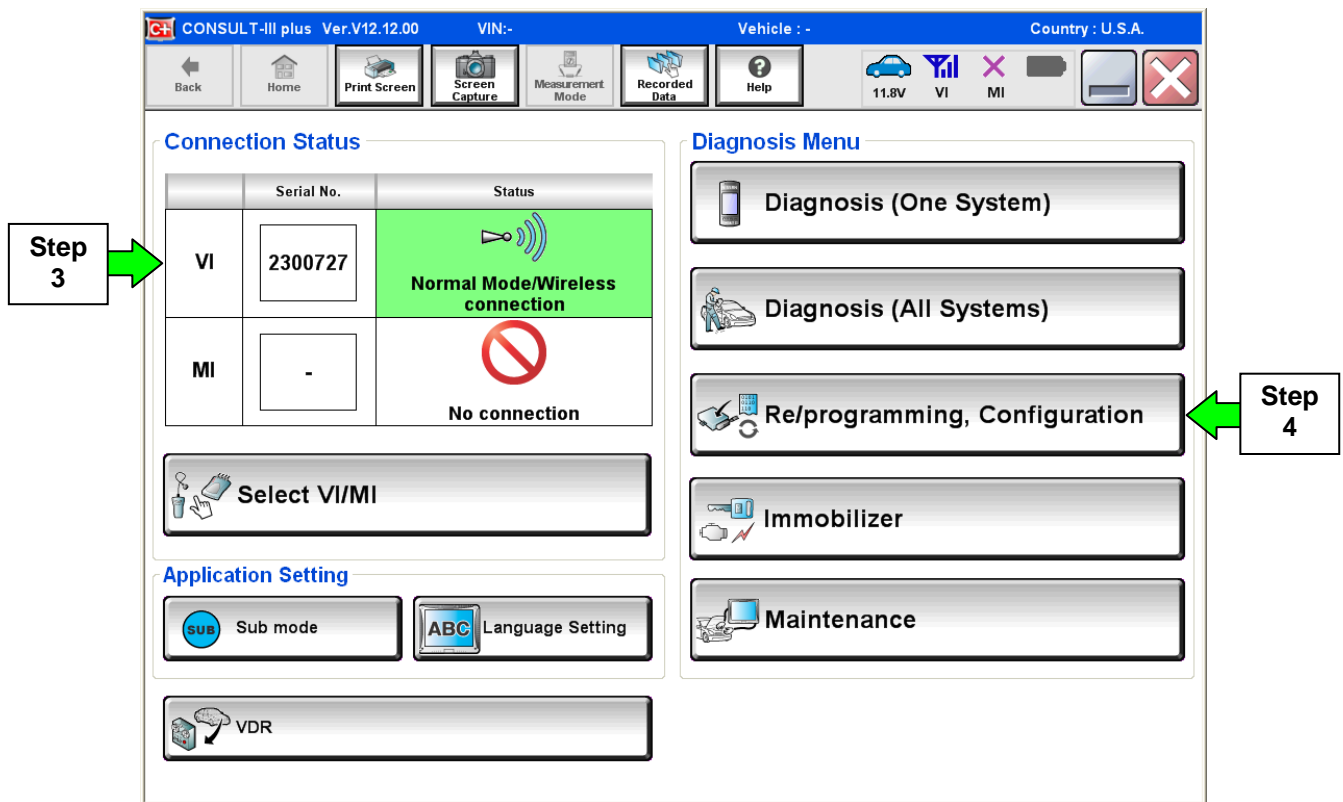
4. Select **Re/programming, Configuration**.

Figure 1

5. Follow the C-III plus on-screen instructions and navigate to the screen shown in Figure 2 on the **next page**.

6. When you get to the screen shown in Figure 2, confirm this bulletin applies as follows:

A. Find the ECM **Part Number** and write it on the repair order.

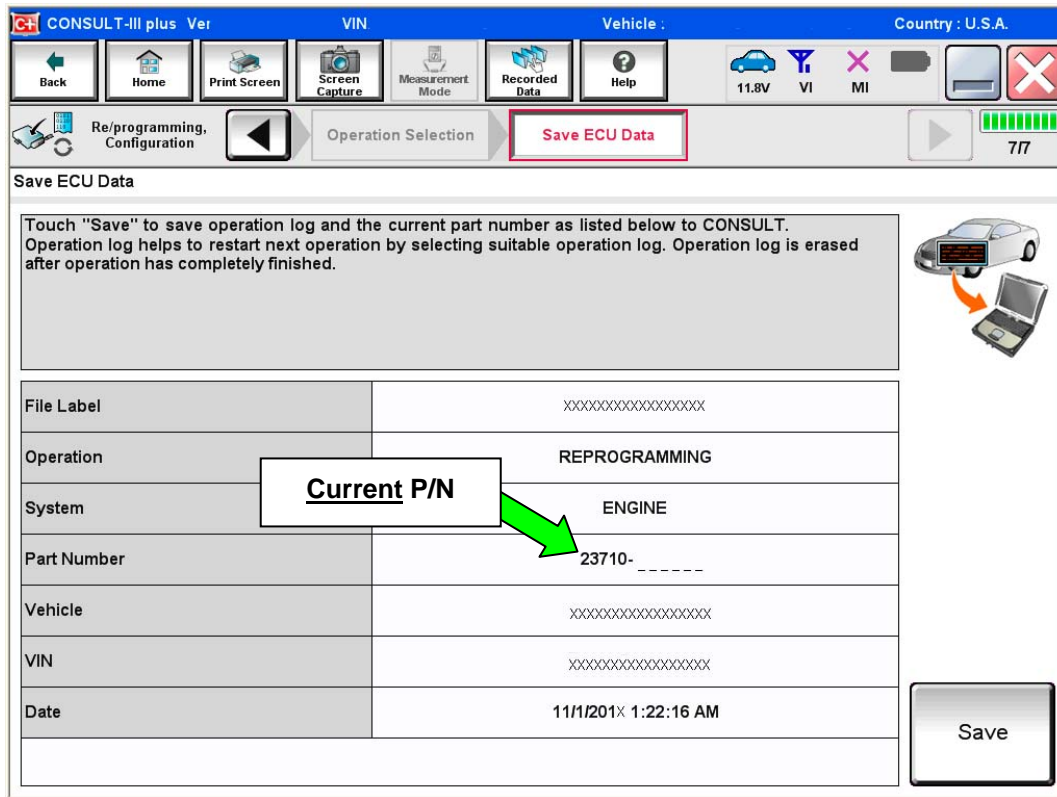   **NOTE:** This is the <u>current</u> ECM Part Number (P/N).

Figure 2

B. Compare the P/N you wrote down to the numbers in the **Current ECM Part Number** column in **Table A** below.

- If there is a <u>match</u>, this bulletin <u>applies</u>. Continue with the reprogramming procedure.

- If there is <u>not a match</u>, this bulletin <u>does not apply</u>. Return to ASIST for further diagnostic and repair information.

Table A

Model	Current ECM Part Number: 23710 -
2013 Altima Sedan with QR25DE Engine	3TA0A, 3TA0B, 3TA0C, 3TA1B, 3TA1C, 3TA1D, 3TA6A, 3TA7A, 3TA8A, 3TA6B, 3TA7B, 3TA8B, 3TY0A, 3TY1A, 3TY0B, 3TY1B, 3TY0C, 3TY1C, 3TY6A, 3TY7A, 3TY8A, 3TY6B, 3TY7B, 3TY8B

7. Follow the on-screen instructions to navigate C-III plus and reprogram the ECM.

NOTES:

- In some cases, more than one new P/N for reprogramming is available.

  ➢ In this case, the screen in Figure 3 displays.

  ➢ Select and use the reprogramming option that **does not** have the message "Caution! Use ONLY with NTBXX-XXX".

- If you get this screen and it is <u>blank</u> (no reprogramming listed), it means there is no reprogramming available for this vehicle.
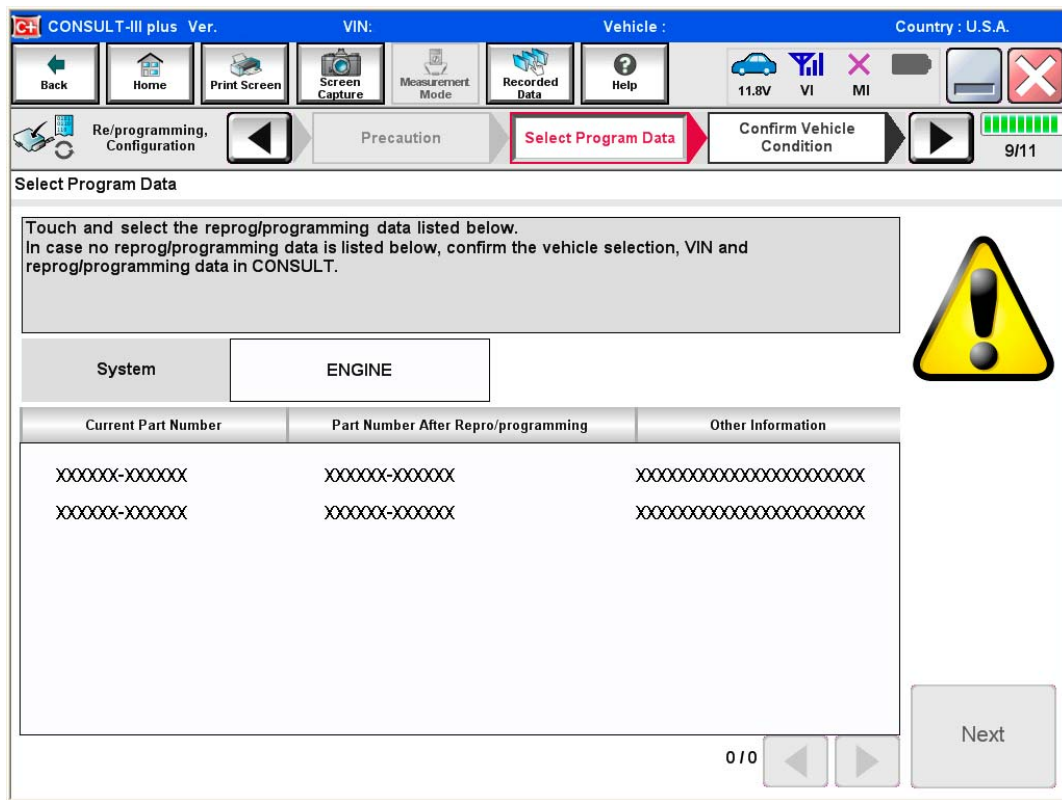

Figure 3

8. When the screen in Figure 4 displays, reprogramming is complete.

    NOTE: If the screen in Figure 4 does <u>not</u> display (reprogramming does <u>not</u> complete), refer to the information on the next page.

9. Disconnect the battery charger from the vehicle.
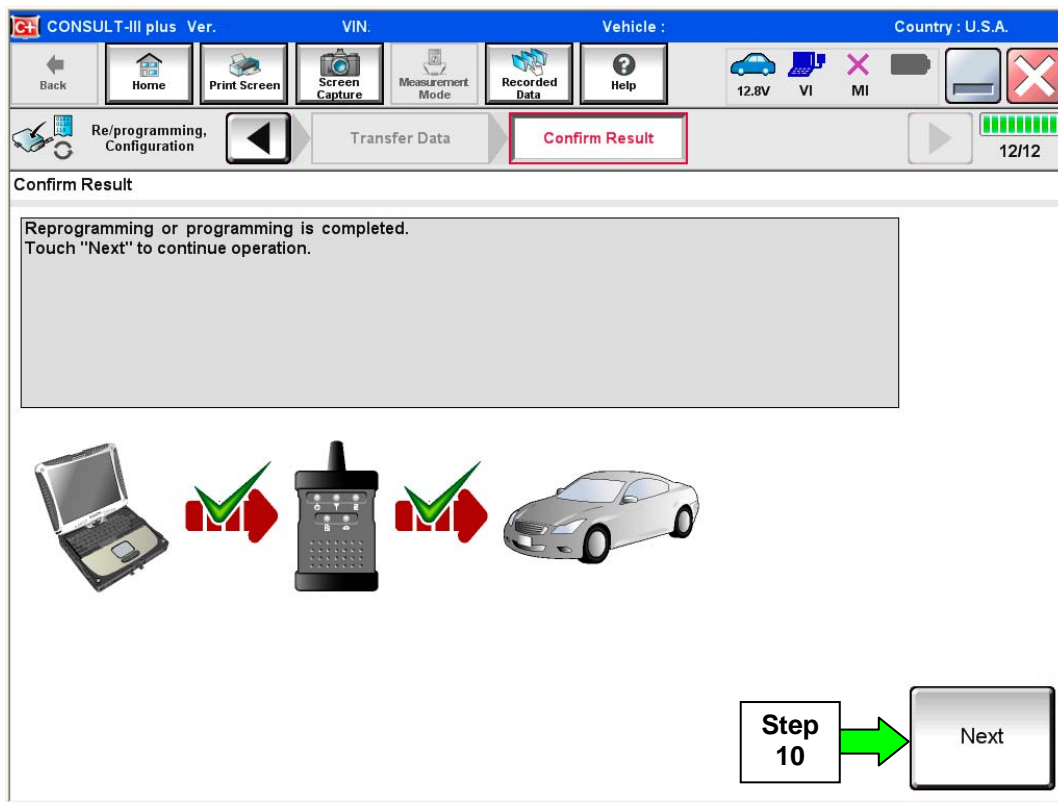
10. Select **Next**.

Figure 4

NOTES:

*   In the next steps (page 8), you will perform Throttle Valve Closed Position, Idle Air Volume Learn, Accelerator Closed Position, and DTC erase.

*   These operations are required before C-III plus will provide the final reprogramming confirmation report.

ECM recovery:

<u>Do not disconnect plus VI or shut down C-III plus if reprogramming does not complete.</u>

If reprogramming does not complete and the "!?" icon displays as shown in Figure 5:

- Check battery voltage (12.0 -15.5 V).

- Ignition is ON, engine OFF.

- External Bluetooth® devices are OFF.

- All electrical loads are OFF.

- **Select <u>retry</u> and follow the on screen instructions.**

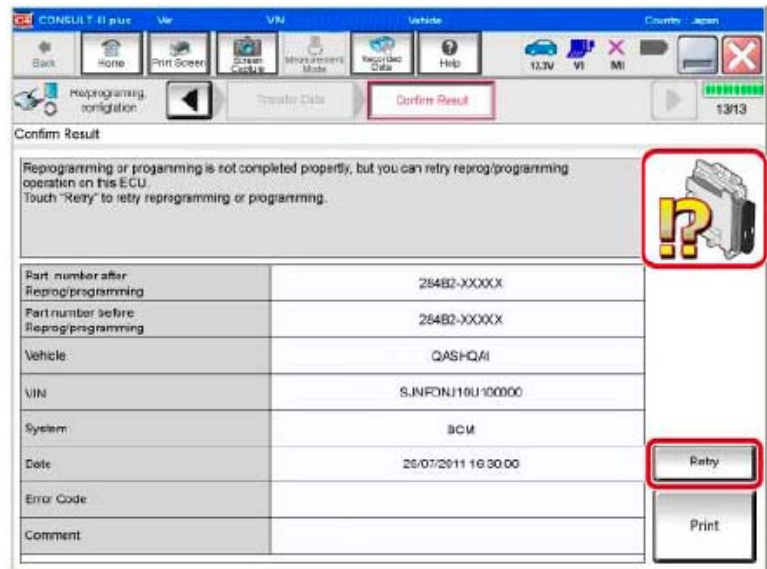- <u>"Retry" may not go through on first attempt and can be selected more than once</u>.

Figure 5

If reprogramming does <u>not</u> complete and the "X" icon displays as shown in Figure 6:

- Check battery voltage (12. 0 -15.5 V).

6

- CONSULT A/C adapter is plugged in.

- Ignition is ON, engine OFF.

- Transmission is in Park.

- All C-III plus / VI cables are securely connected.

- All C-III plus updates are installed.

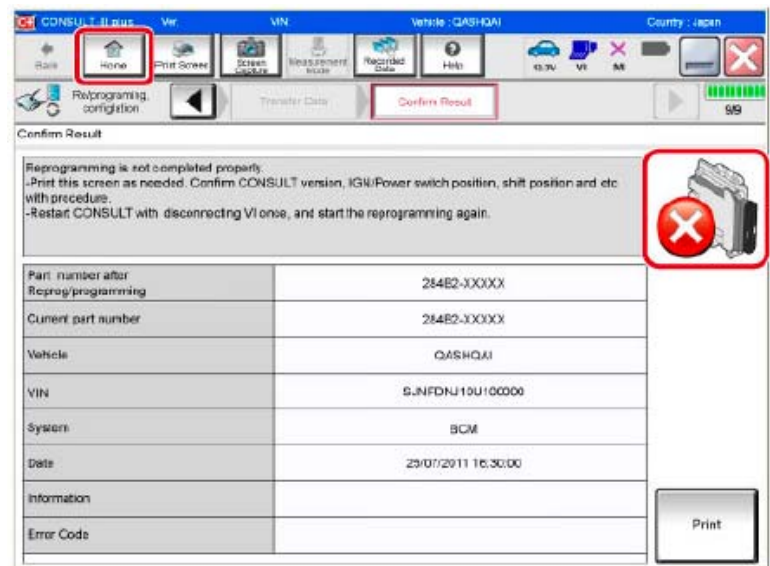- **Select <u>Home</u>, and restart the reprogram procedure from the beginning.**

Figure 6

11. Follow the on-screen instructions to perform the following:

- **Throttle Valve Closed Position**

- **Idle Air Volume Learn (IAVL)**

   NOTE:

   ➤ **Listed below are the conditions required for IAVL to complete.**

   ➤ **If IAVL does not complete within a few minutes, a condition may be out of range.**

   - Engine coolant temperature: 70 -100° C (158 -212°F)
   - Battery voltage: More than 12.9V (At idle)
   - Selector lever: P or N
   - Electric load switch: OFF (Air conditioner, headlamp, rear window defogger)
   - Steering wheel: Neutral (Straight-ahead position)
   - Vehicle speed: Stopped
   - Transmission: Warmed up (ATF TEMP SE less than 0.9V)

- **Accelerator Pedal Close Position Learning**

- **Erase DTCs**

Continue to the next page.

12. When the entire reprogramming process is complete, the screen in Figure 7 will display.

13. Verify the <u>before and after</u> part numbers are different.

14. Print a copy of this screen (Figure 7) and attach it to the repair order for warranty documentation.
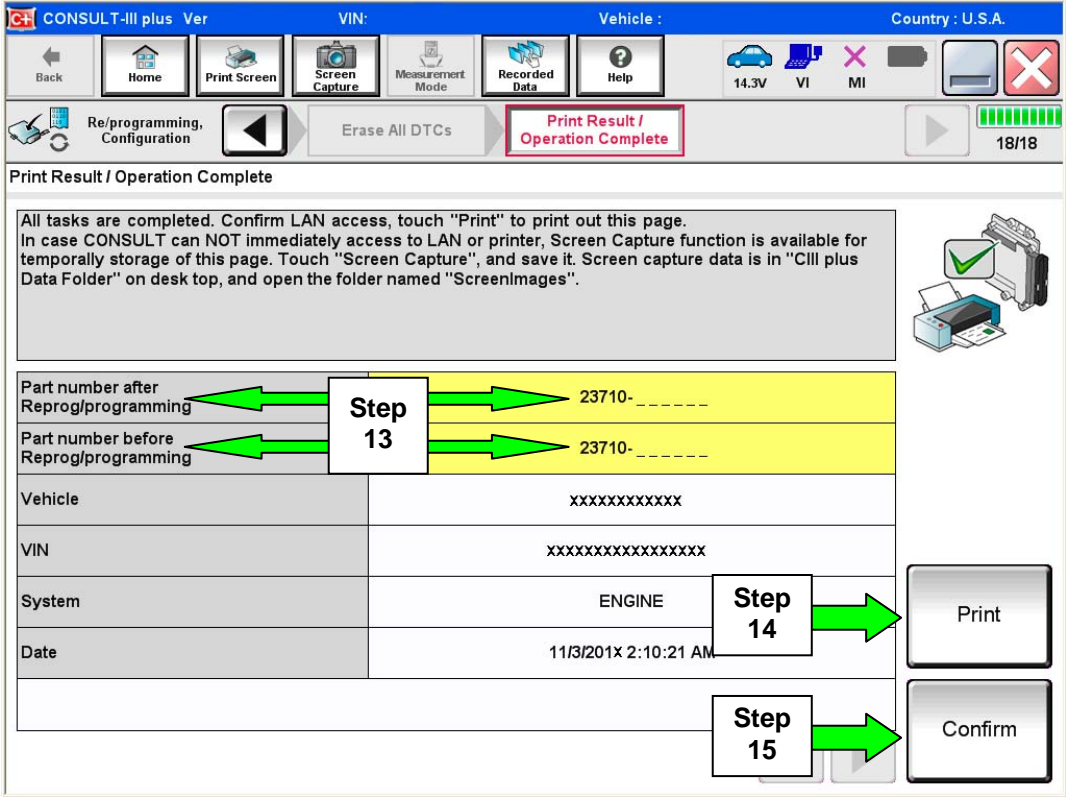
15. Select **Confirm**.

Figure 7

16. Close C-III plus.

17. Turn the ignition OFF.

18. Disconnect the plus VI from the vehicle.