

<b>Authored Date</b>	05/06/2025	
<b>Doc No.</b>	IAMWO004251	
<b>Title</b>	Intelligent Speed Assistance Software update for North America and Mexico	
<b>Affected Vehicle(s)</b>	Grenadier	RF004677 – RF017814
Prior to starting any reworks, please make sure you check the vehicle is affected by checking the VIN using Vehicle Simple Search in the Warranty System.		

**Reason for this document**

**Issue:** An issue has been identified where the Intelligent Speed Assistance (ISA) functionality does not fit with customer expectations.

**Cause:** No differentiation of ISA functionality in various markets.

**Action:** Update the vehicle as per instructions below. To improve our customer experience, we offer an improved ISA functionality.

- Intelligent Speed Assistance (ISA) "Over Speed Warning" can be switched off once and remain off after ignition cycle.

**Workshop Procedure**

**Software Update**

<b>Operation:</b>	<b>Repair Time:</b>
<b>Update</b>	<b>0.3 Hours</b>

<b>Note:</b>
- The procedure contains illustrations showing certain components removed to provide extra clarity.
- This procedure contains some variation in the illustrations depending on the vehicle specification, but the essential information is always correct.



**Procedure – Updating Head Unit.**

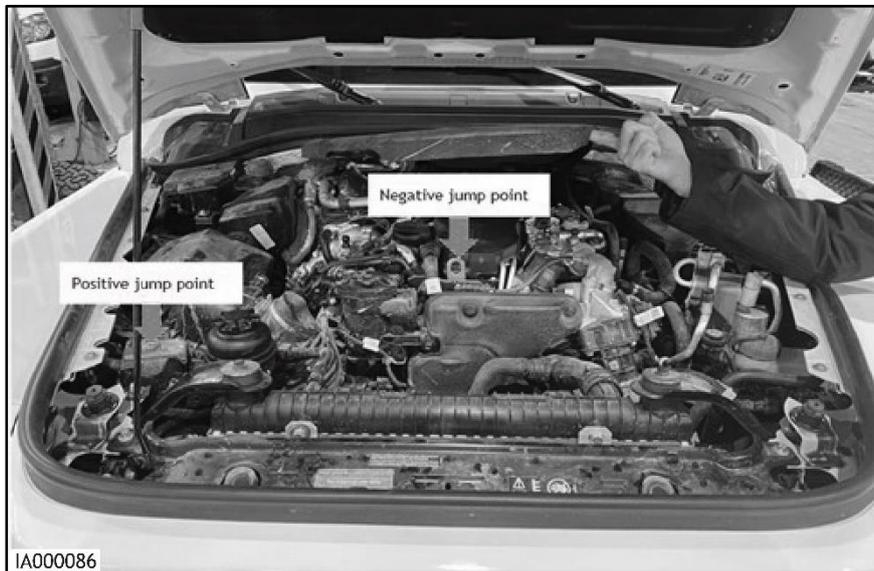
1.



Before the head unit is flashed. Write down the service interval information.

- Distance (Miles/Kilometres).
- Date.
- Engine running time.

2.

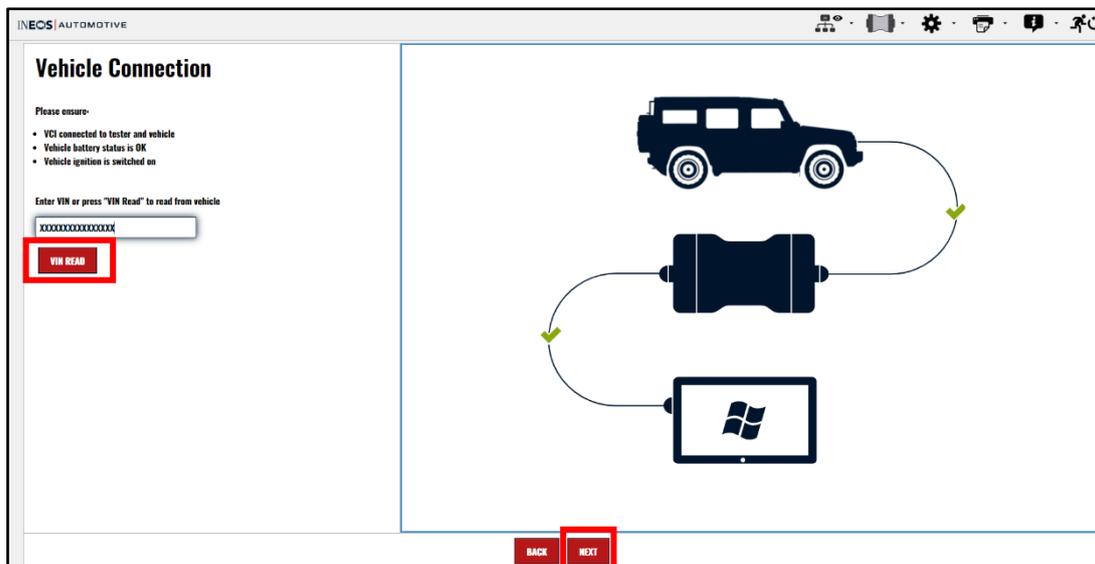


- Place the vehicle on charge.
- Ensuring the battery charger can output up to 40 amps to support the vehicle power supply during the process.

3.

**Note:**

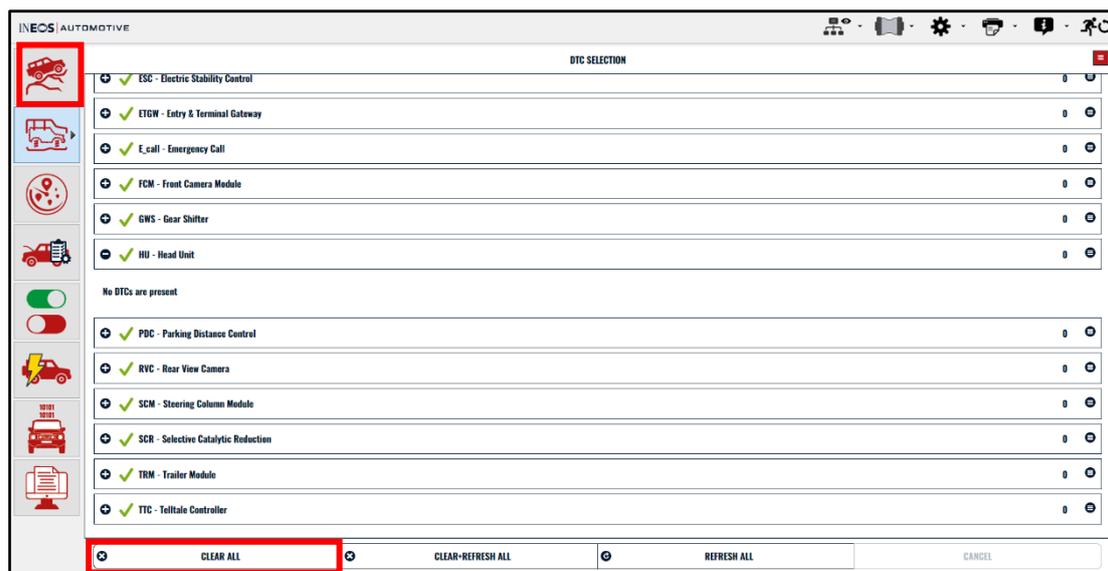
- See VCI connection documentation (VCI AND CONNECTION GUIDE UPDATE V 2.0) for VCI self-help.
- Ensure the connection is **NOT** in simulation.



Connect the vehicle to Grade-X using the VCI connected to the OBD port in the driver's footwell.

- 1) Select '**VIN READ**'.
- 2) Select '**NEXT**'.

4.



- Select '**DTC Memory**' tab.



## Mandatory Work Order

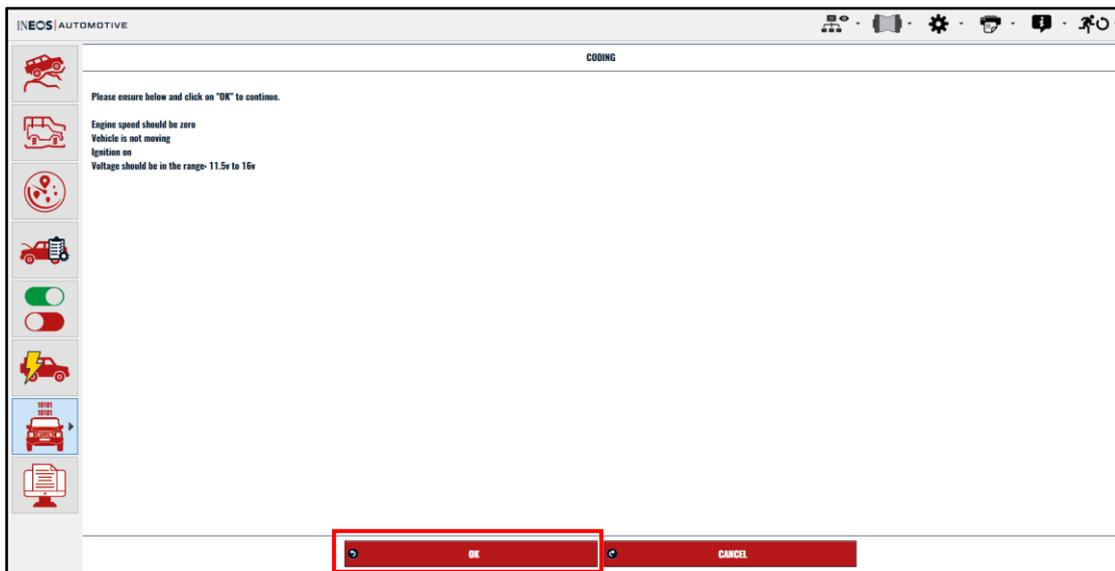
- Grade -X will start to read the ECU DTCs.
- Select '**CLEAR ALL**'.
- Grade - X will clear and read the vehicles DTCs.

5.



- Select the coding tab
- Select '**Code All**'

6.



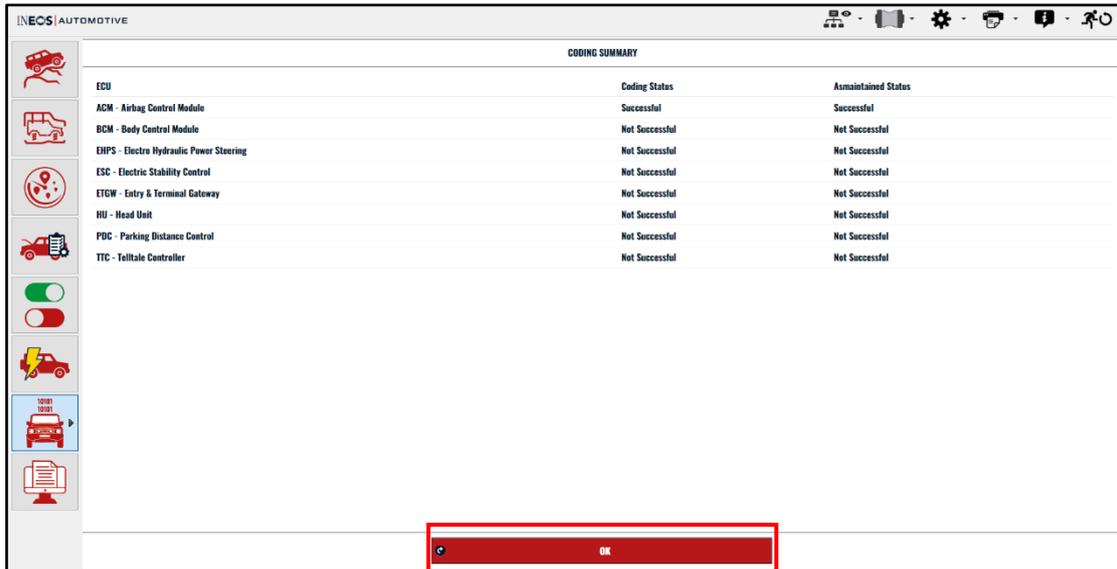
Select 'OK'

7.

**Note:**

Summary page shows the confirmation. Coding status is the priority, As Maintained is optional, but not an issue if it shows '**Not Successful**' as it will try after the session, and it's for reference only.





Select 'OK'

8.

**Cautions:**

- Store all Head Unit flash data into a folder called "**update**" directly in the root of the USB stick: (minus Caps sensitive) "**Update**" WILL NOT WORK
- Use a known good USB A stick of the following specification – USB in FAT32 format (generic USB format), Minimum of 1 GB Storage capacity, no more than 128G, Free from other documents or data on USB stick.

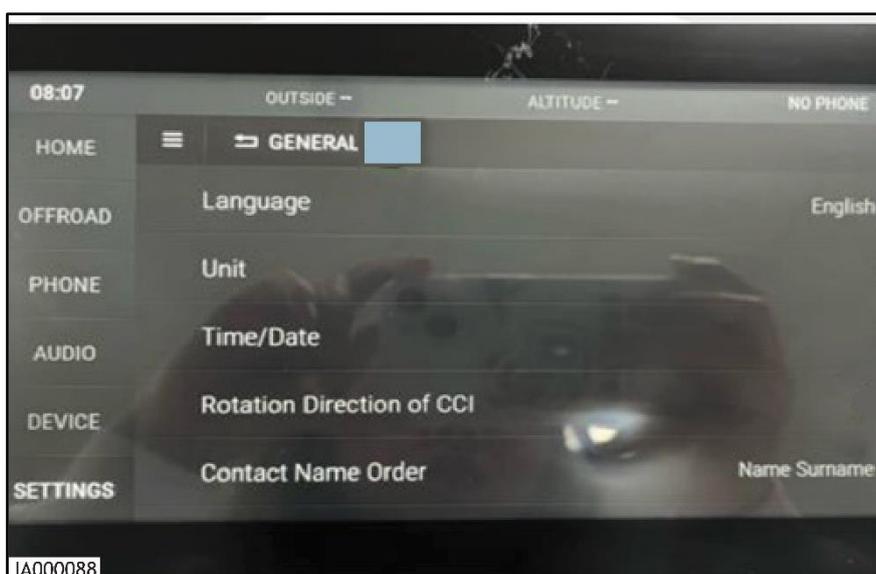
**Note:**

- Ensure a dynamic battery charger, capable of outputting 40 Amps is installed to the vehicle B+ and earth, do NOT use a trickle charger, the amperage input is not dynamic, errors can occur.
- Do NOT adjust or delete any files in the 'update' folder.
- The latest software version is SW-0000000969 (HU)
- If you have an issue while flashing HU, please use a "Branded USB stick".



- Download the latest software onto a suitable USB Stick [MY24.1 Software Update](#)
- Insert the USB stick into USB-A connection in the center console storage area with Head Unit (HU) 'update' software data from software pack SW-0000000969 (HU). A notification will display stating 'USB connected'

9.



## Mandatory Work Order

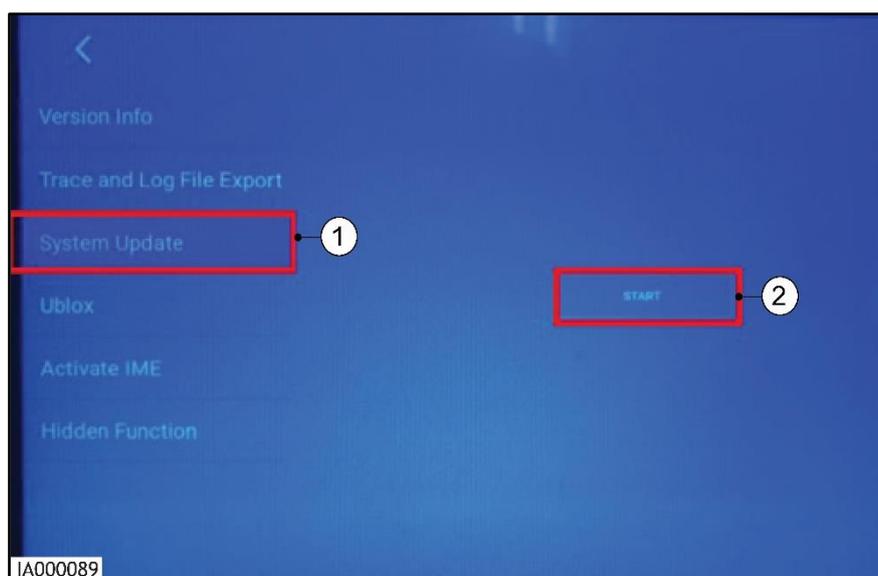
- On the central display select '**SETTINGS - GENERAL**'.
- On the touchscreen, press and hold the area to the right of the '**GENERAL**' title for approximately 8 seconds. A screen will appear for PIN input.

10.

<b>Note:</b>
The last 2 digits will not change the display 'dots' as there are only 6.

On the PIN screen, input the PIN number: **46367308**

11.



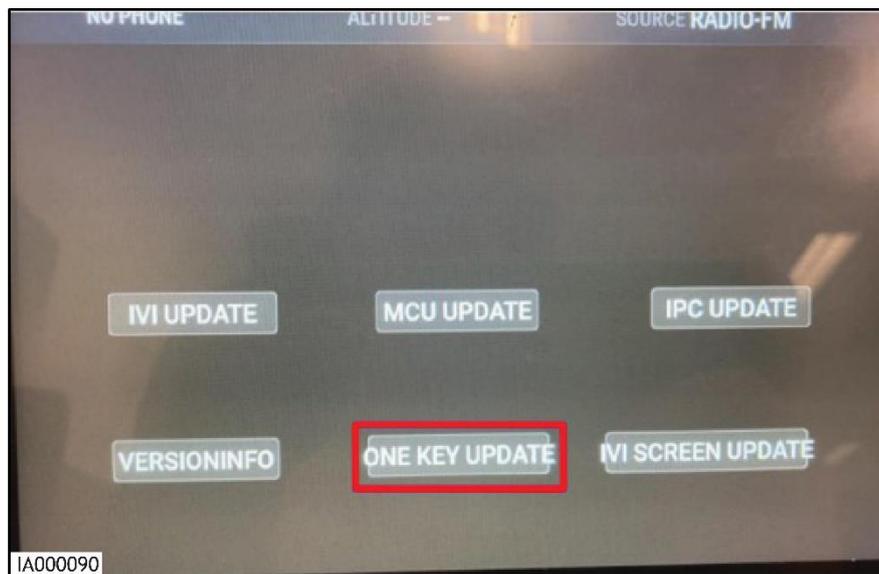
- 1) Select '**System Update**'.

2) Select 'Start'.

12.

**Note:**

- The software update takes approximately 20 minutes to complete.
- Place the vehicle on charge ensuring the vehicle battery charger can output up to 40 Amps.
- The technician is NOT required to be with the vehicle during this time.
- The software update no longer requires each application to be selected individually.
- Do not switch off the ignition or stop the process unless there is a notification is displayed in the central display.
- The ONE KEY UPDATE will flash all applications of the Head unit (i.e., IVI UPDATE / MCU UPDATE / IPC UPDATE / IVI SCREEN UPDATE)



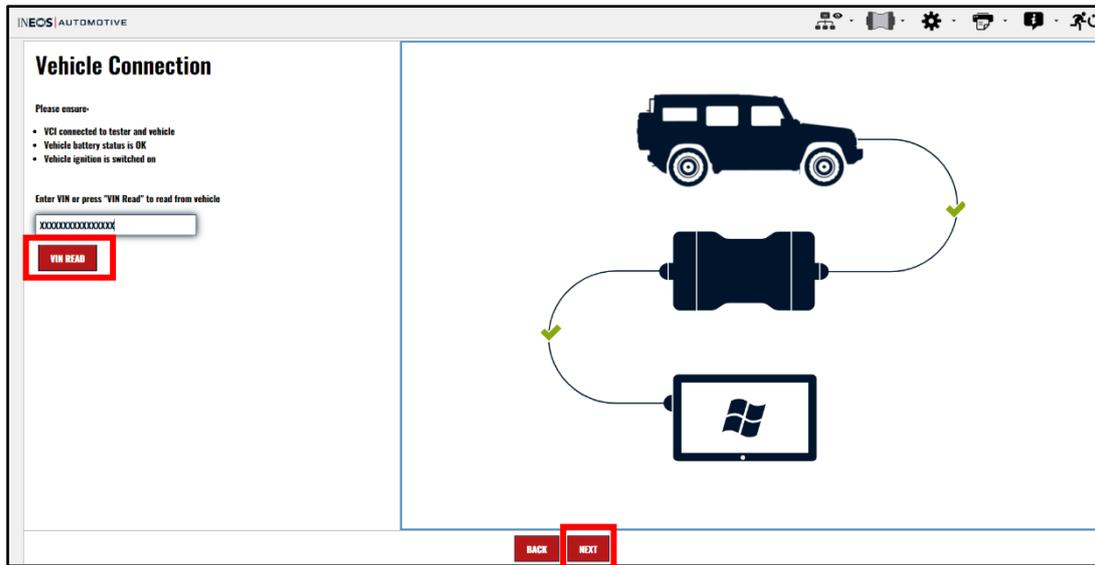
Select 'ONE KEY UPDATE'

13.



**Note:**

- See VCI connection documentation (VCI AND CONNECTION GUIDE UPDATE V 2.0) for VCI self-help.
- Ensure the connection is **NOT** in simulation.



Connect the vehicle to Grade-X using the VCI connected to the OBD port in the driver's footwell.

- 3) Select **'VIN READ'**.
- 4) Select **'NEXT'**.

14.



- Open the vehicle summary page.
  - Select '**PART NUMBERS**'.
  - Select '**HU- Head Unit**'.
  - Review the '**F188 - Manufacturers ECU software part number**' check and ensure SW-0000000969 (HU) is displayed as the part number.
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15.

Complete a full and comprehensive check on the head unit functionality to ensure there is no operational concerns. Ensuring the Head Unit (HU) is functioning as intended, and the software aligns, the Head Unit (HU) Flash has been successful.

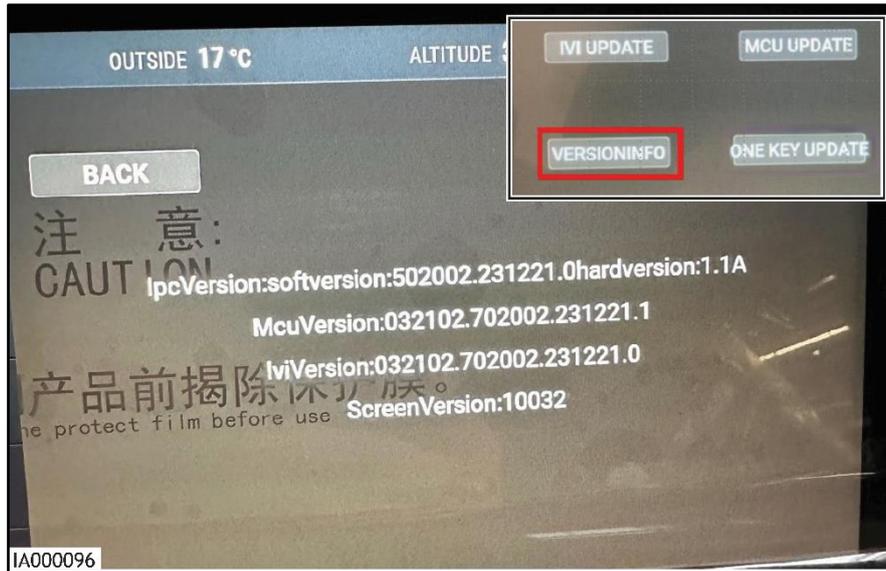
Select '**VERSIONINFO**' and check that all 3 dates are exactly the same.

To identify the dates, the information is written in the below format (Image shown for illustration purposes)

IpcVersion:Softversion: XXXXXX.**YYMMDD**.0hardversion:1.1A

McuVersion: XXXXXX.XXXXXX.**YYMMDD**.X

IviVersion: XXXXXX.XXXXXX.**YYMMDD**.X



If an update fails, without functional faults, attempt the Head Unit (HU) flash of the application again. If the software application fails after 3 attempts, a Technical Support ticket should be raised. Provide the relevant information from the process step(s) to the INEOS technical support team to provide efficient support.

In the unlikely situation that a Head Unit (HU) software flash has not been deployed fully or flashed correctly, a Technical Support ticket must be raised. Provide the relevant information from the process step(s) to the INEOS technical support team to support.

16.

**Release the vehicle.**

**Change History**

Reference No.	Date	Description
IAMWO004251	05/06/2025	First release

