

## IATSB004503

|                                                                                                                 |                                                      |                     |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
| Authored Date                                                                                                   | 26/05/2026                                           |                     |
| Doc No.                                                                                                         | IATSB004503                                          |                     |
| Title                                                                                                           | Software Update for Fuel Plausibility – US MY26 only |                     |
| Affected Vehicle(s)                                                                                             | Grenadier                                            | TF028817 – TF035401 |
| This Technical Service Bulletin (TSB) should only apply to vehicles that demonstrate the described issue below. |                                                      |                     |

**\*\*This is for MY26 vehicles only. The TSB only applies to vehicles in the stated VIN range.\*\***

**Reason for this document**

**Issue:** An issue has been identified on a small percentage of the affected vehicles where the Engine Management Light turns on after the vehicle has been re-fuelled. The DTC shown for this is **P193208**

**Cause:** The actual fuel level is not available within the specified time frame from DME for leakage detection. This results in a fuel level un-plausibility after refuelling and puts an Engine Management Light on TTC.

**Action:** Follow the procedure below.

**Warning**

Due to the implementation of sections of the connected vehicle rule, **this software must not be installed on MY27 vehicles or later.** INEOS may require dealers and workshops to provide clear written evidence of compliance with this rule for the purpose of demonstrating compliance to U.S. authorities. Failure to comply may result in action being taken directly against a dealer by U.S. authorities.

**Workshop Procedure****Software Update – US/Mexico/Canada Vehicles only.**

|            |             |              |
|------------|-------------|--------------|
| Operation: | SRO         | Repair Time: |
| Update     | XTSBSWUUSA2 | 0.5          |



**Note:**

- 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.

**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-0000001024 (HU)
- If you have an issue while flashing HU, please use a "Branded USB stick".

- Flash the Head unit with the latest 'update' via USB.
- Update [link](#)

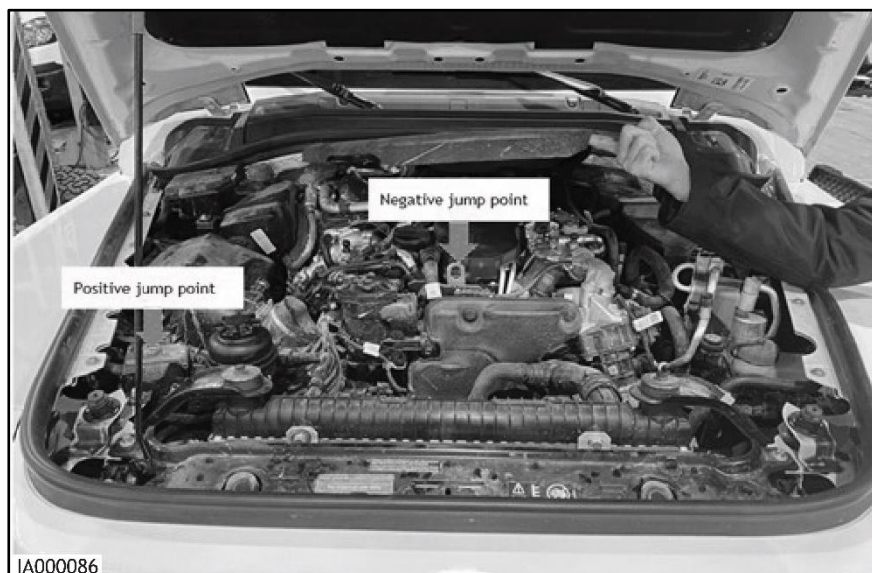
2.



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

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

3.



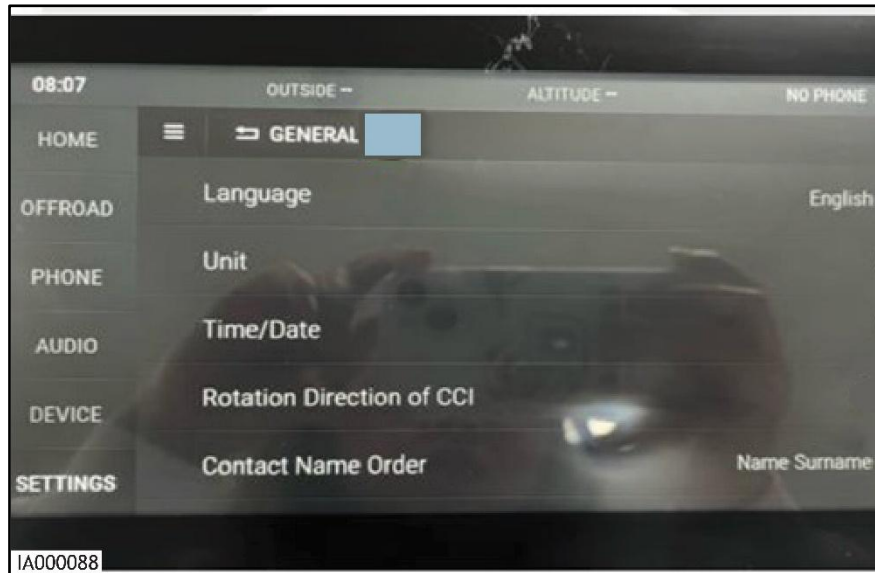
- Place the vehicle on charge.
- Ensuring the battery charger can output up to 40 amps to support the vehicle power supply during the process.

4.



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-0000001024 (HU). A notification will display stating 'USB connected'

5.



- 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.

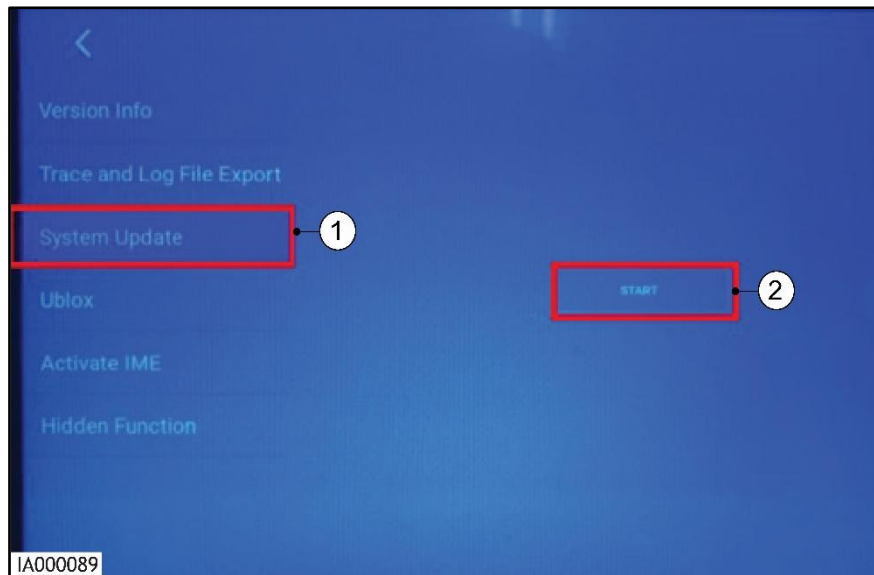
6.

**Note:**

The last 2 digits will not change the display 'dots' as there are only 6.

On the PIN screen, input the PIN number: **8\*36\*8#25**

7.

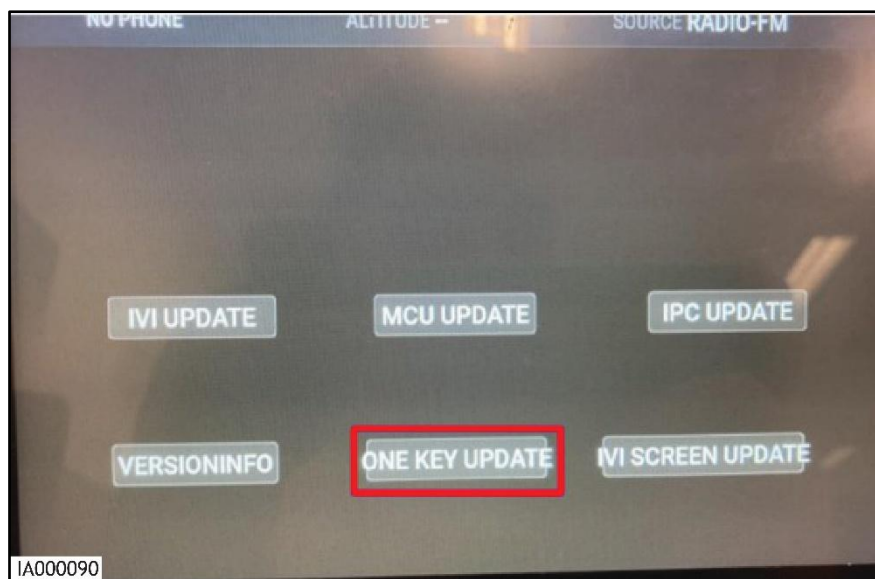


- 1) Select '**System Update**'.
- 2) Select '**Start**'.

8.

**Note:**

- The software update takes approximately 40 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)

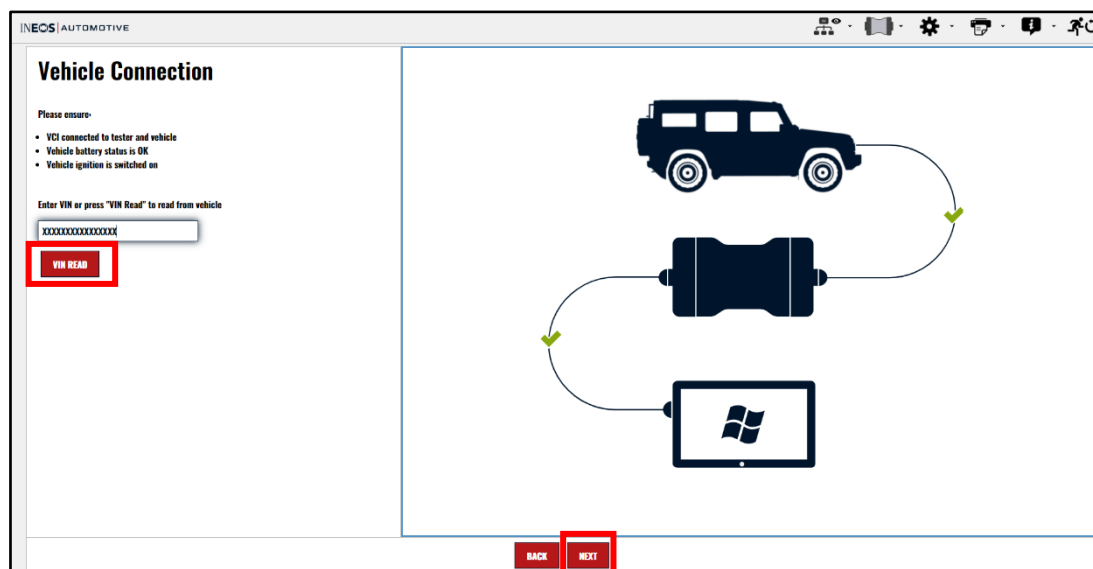


Select '**ONE KEY UPDATE**'

9.

**Note:**

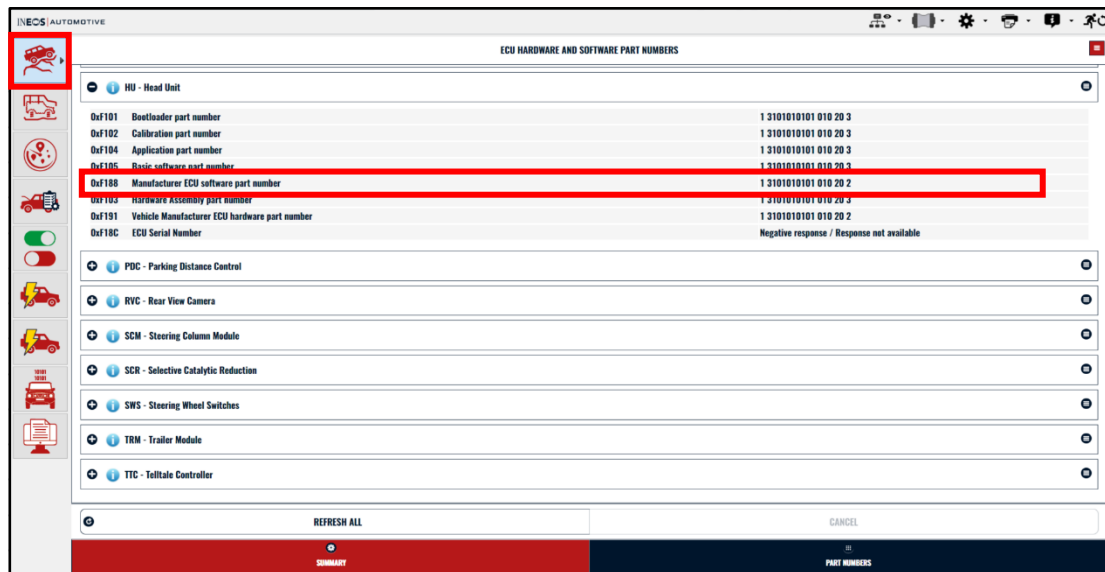
- See VCI connection documentation for VCI self-help.
- Ensure the connection is **NOT** in simulation.



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

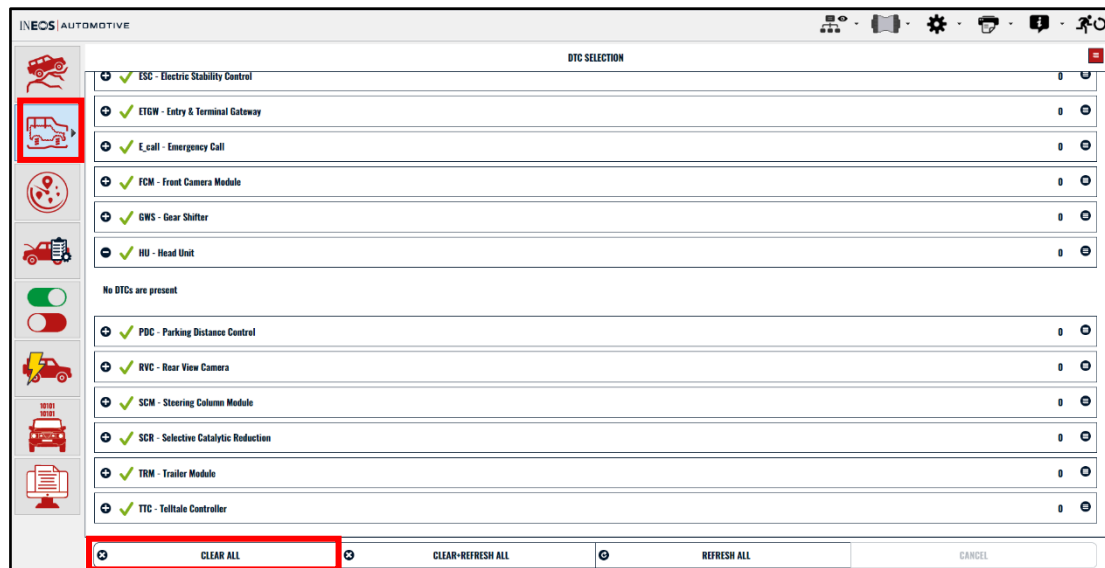
- 1) Select '**VIN READ**'.
- 2) Select '**NEXT**'.

10.



- Open the vehicle summary page.
- Select '**PART NUMBERS**'.
- Select '**HU - Head Unit**'.
- Review the '**F188 - Manufacturers ECU software part number**' check and ensure SW-0000001024 (HU) is displayed as the part number.

11.



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

12.

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.

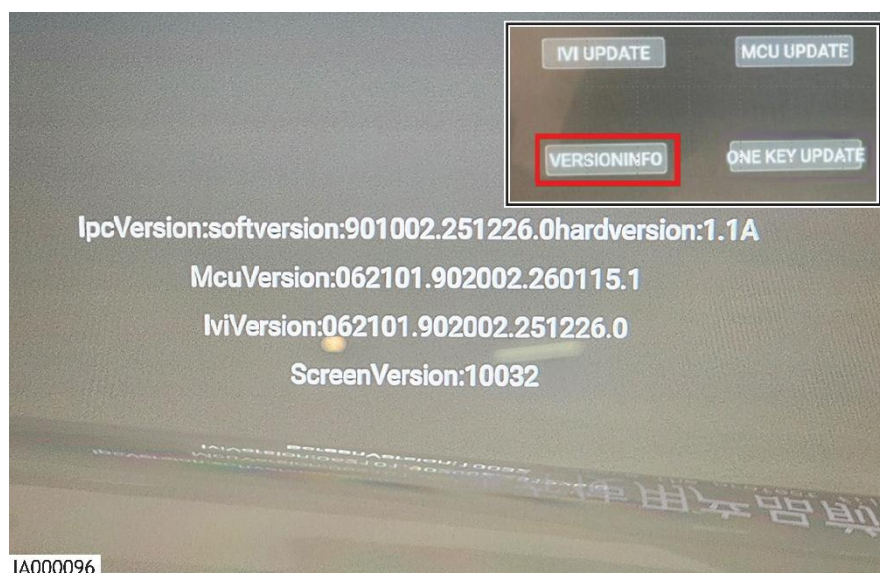
Select '**VERSIONINFO**' and check that all 3 dates are exactly the same.

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

lpcVersion: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.

13.

**Release the vehicle.**

**Change History**

| Reference No. | Date       | Description   |
|---------------|------------|---------------|
| IATSB004503   | 26/05/2026 | First Release |