

Authored Date	19/03/2024	
Doc No.	IAMWO003025	
Title	Engine Start/Stop – Not Operational	
Affected Vehicle(s)	Grenadier	PF000115 – PF008965 RF004832 – RF004834
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 on a small percentage of the affected vehicles where the vehicle engine stop/start system does not operate.

Cause: Software Issue

Action: Follow the procedure below.

Workshop Procedure

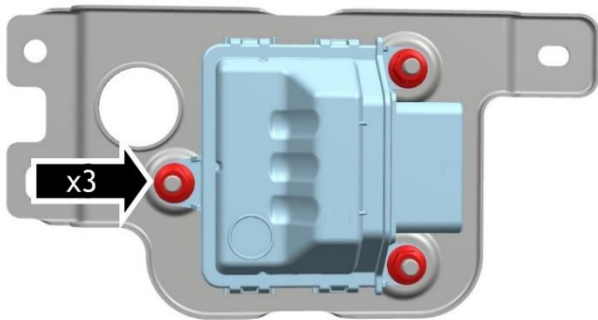
TRM installation.

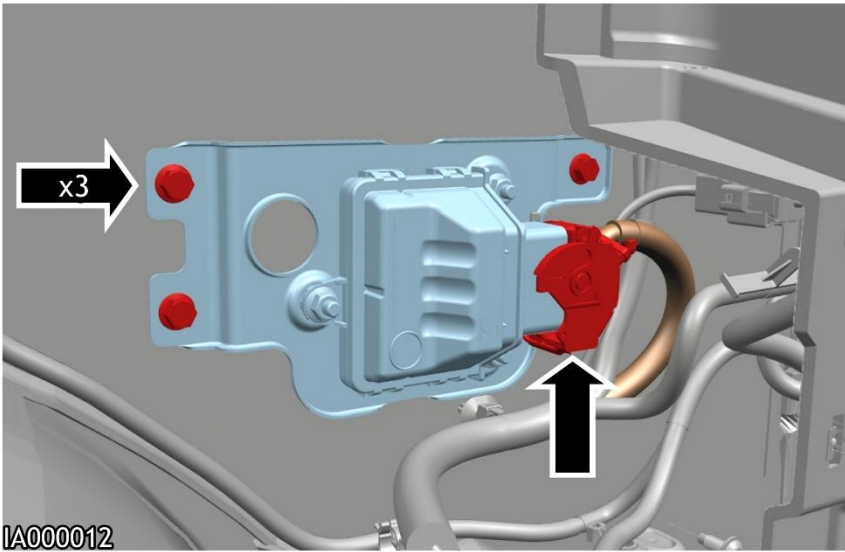
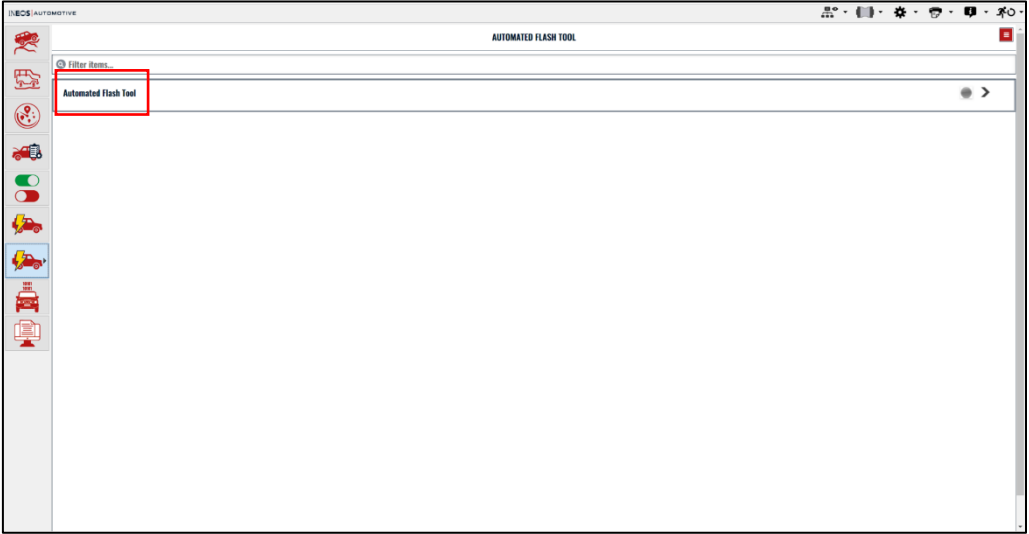
Operation	Repair Time
TRM install and coding	0.6

Parts

Part Number	Description	Qty
GRA-9E10-033640	Trailer Control Unit	1
GRA-9E12-026880	TRM Bracket w/ winch relay	1
GRA-9E11-026870	TRM Bracket w/o winch relay	1
GRA-0000-002070	NUT EN1661-M6-8-VDA235-104.42	3
GRA-0000-002120	HEXAGON HEAD SCREW EN1665-M6x12	3

Procedure

1	Remove the Loadspace Right Side Trim Panel. Refer to: TOPIC_0000001524 Loading-Space Trim Panel Right (Remove for Access and Install)
2	Caution: Make sure the module is fitted to the correct bracket for the vehicle.  IA000013 Install the Trailer Module onto the Trailer Module Bracket. - Install and tighten the 3 nuts. Torque: 5Nm <i>Parts: GRA-9E10-033640 - Trailer Control Unit. Quantity: 1</i> <i>GRA-9E12-026880 - TRM Bracket w/ winch relay. Quantity: 1</i> <i>GRA-9E11-026870 - TRM Bracket w/o winch relay. Quantity: 1</i> <i>GRA-0000-002070 - NUT EN1661-M6-8-VDA235-104.42. Quantity: 3</i>

3	 Install the Trailer Module in the vehicle. - Connect the electrical connector. - Install and tighten the 3 bolts Torque: 5Nm <i>Parts: GRA-0000-002120 - HEXAGON HEAD SCREW EN1665-M6x12. Quantity: 3</i>
4	Install the Loadspace Right Side Trim Panel. Refer to: TOPIC_0000001524 Loading-Space Trim Panel Right (Remove for Access and Install)
5	Connect the vehicle to the INEOS Automotive Diagnostic Tool. Refer To: TOPIC_0000002023 OBD2 Component Calibration
6	Check Vehicle Software Level via 'Automated Flash Tab' - Grade X will check ECU software levels, highlighting any required updates. 

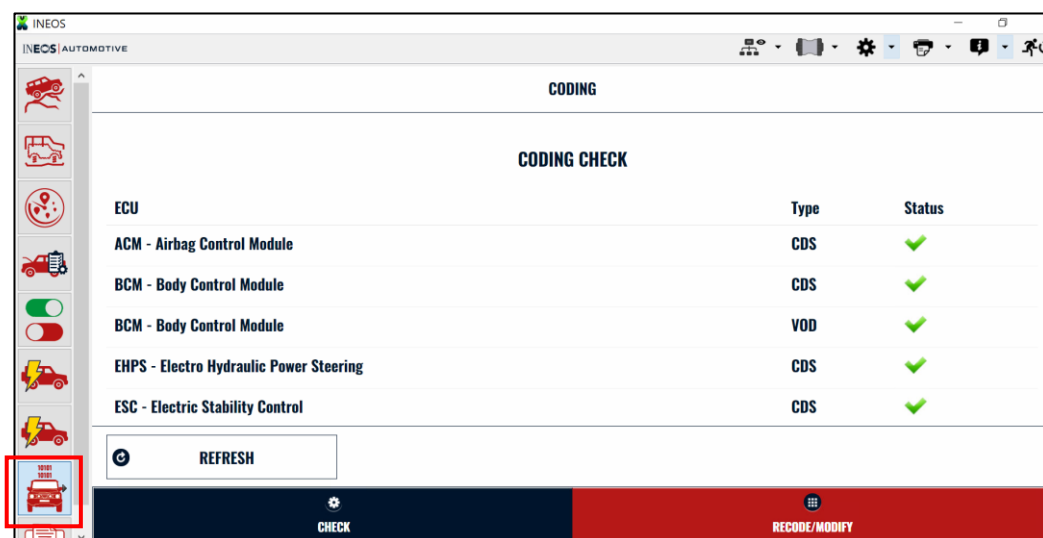
7



Update the ECU's as required.

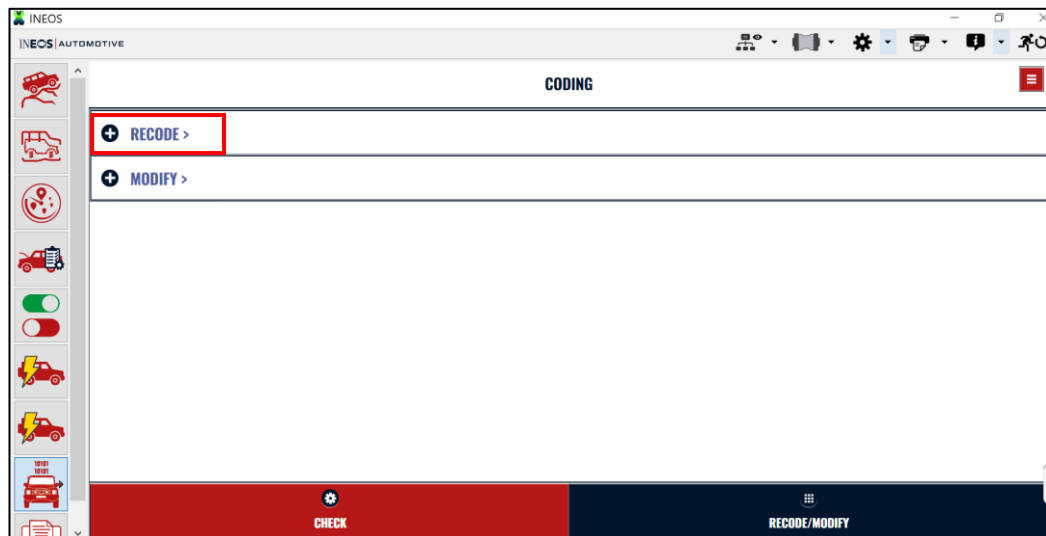
8

Note: ESC – Electric Stability Control will display a red X for status.

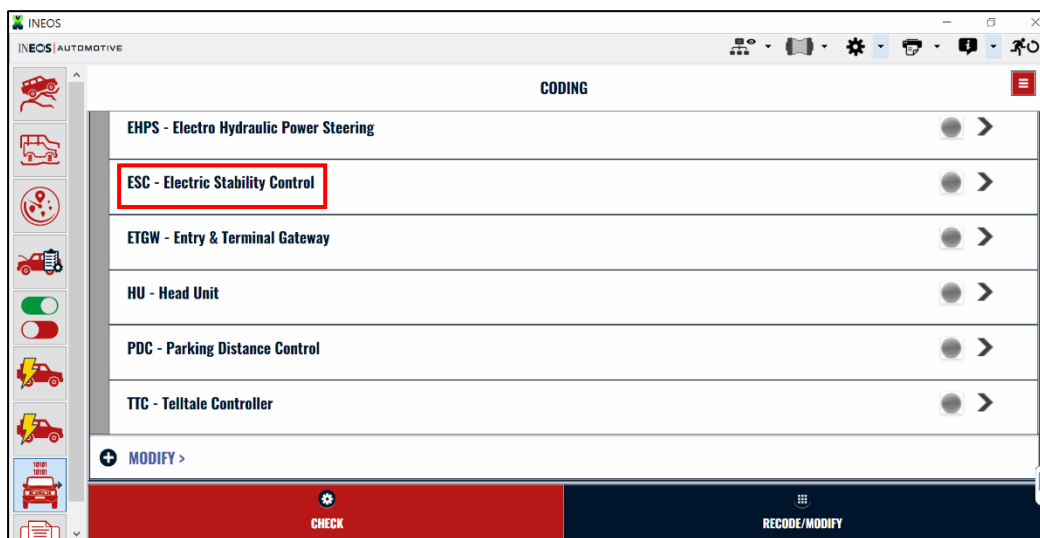


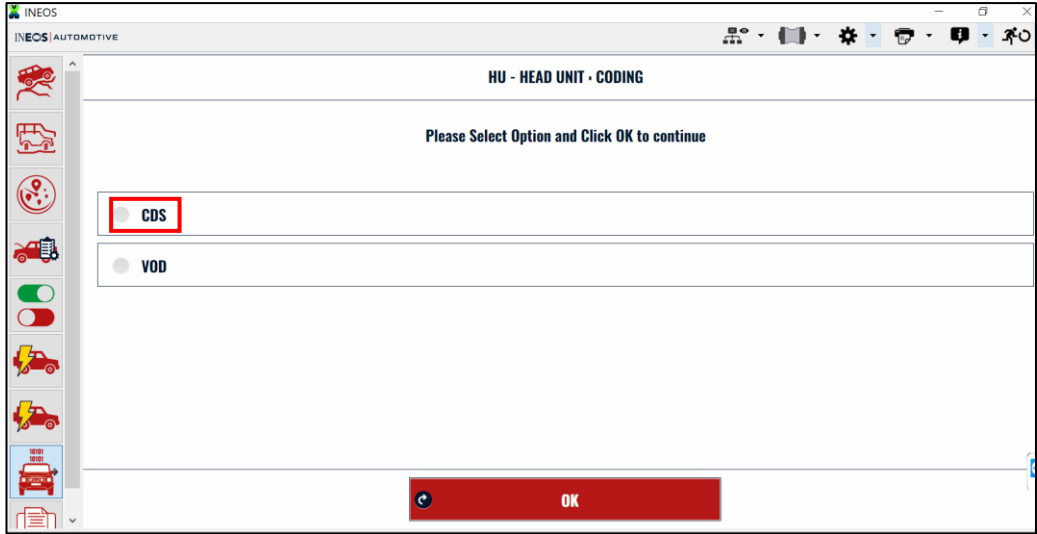
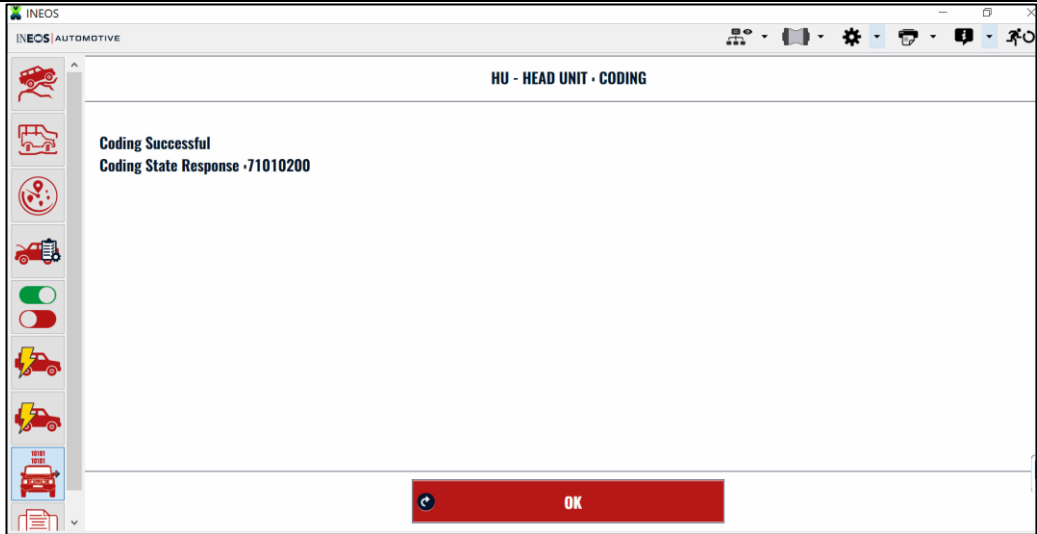
- Select the Coding option.
- Click 'RECODE/MODIFY'.

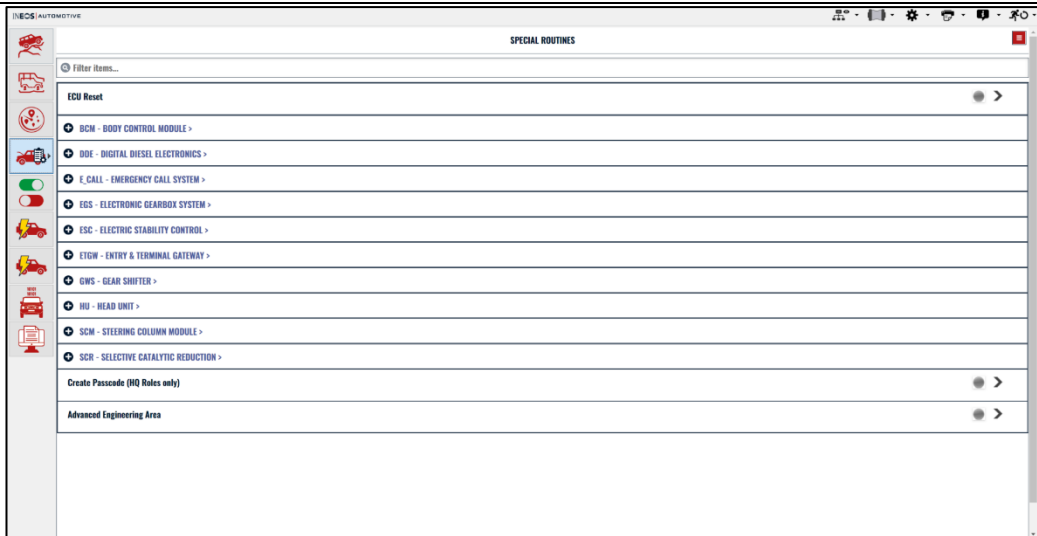
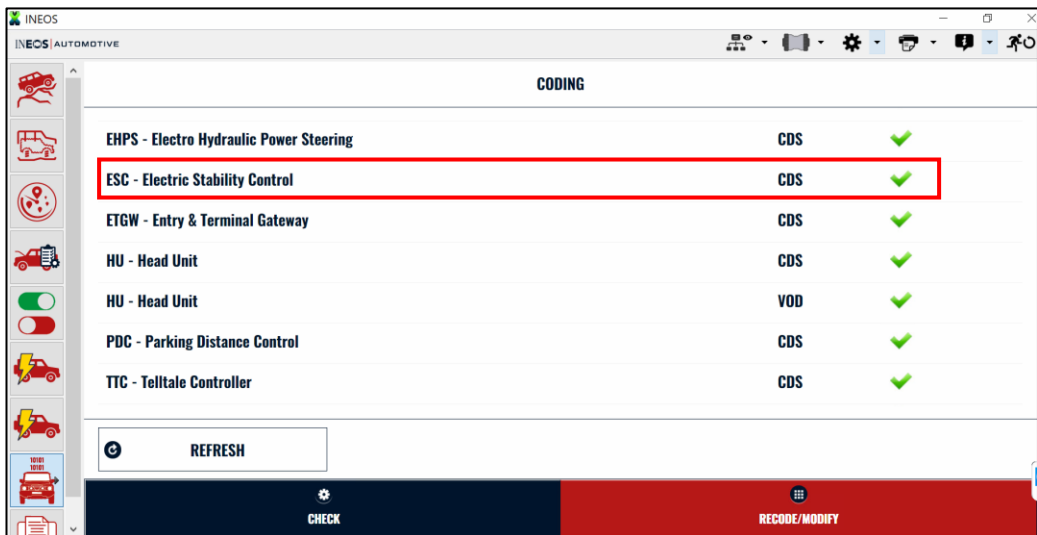
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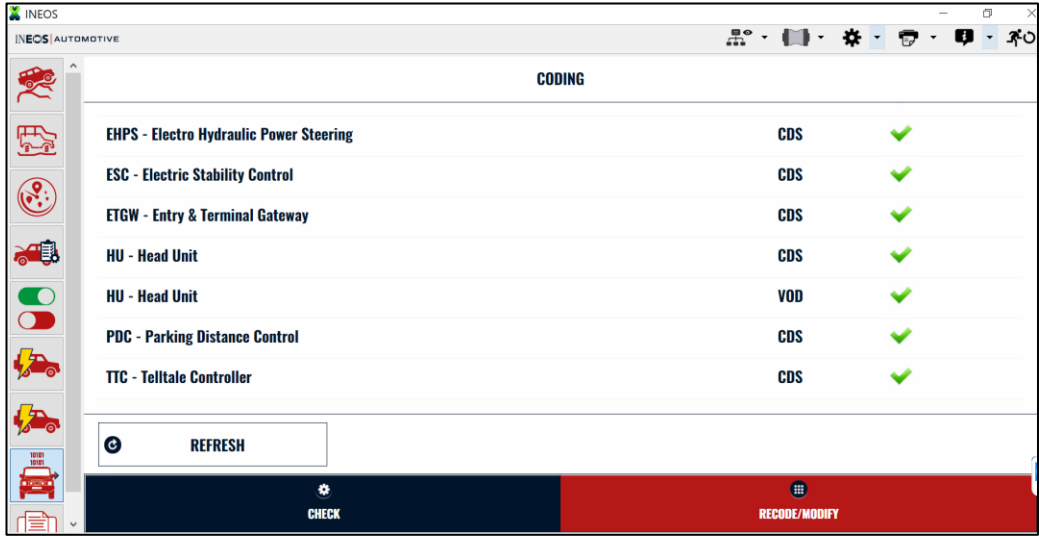

Select '**RECODE**'.

10


Select '**ESC – Electric Stability Control**'.

11	 Select 'CDS'.
12	Complete the recode.
13	 If Successful, the above image will be shown. If not successful, carry ECU reset via special routine and repeat steps 8 – 10.

																									
14	Note: A succesful coding will show a GREEN tick next to ESC – Electric Stability Control.  <table><tr><th>Module</th><th>Code</th><th>Status</th></tr><tr><td>EHPS - Electro Hydraulic Power Steering</td><td>CDS</td><td>✓</td></tr><tr><td>ESC - Electric Stability Control</td><td>CDS</td><td>✓</td></tr><tr><td>ETGW - Entry & Terminal Gateway</td><td>CDS</td><td>✓</td></tr><tr><td>HU - Head Unit</td><td>CDS</td><td>✓</td></tr><tr><td>HU - Head Unit</td><td>VOD</td><td>✓</td></tr><tr><td>PDC - Parking Distance Control</td><td>CDS</td><td>✓</td></tr><tr><td>TTC - Telltale Controller</td><td>CDS</td><td>✓</td></tr></table>	Module	Code	Status	EHPS - Electro Hydraulic Power Steering	CDS	✓	ESC - Electric Stability Control	CDS	✓	ETGW - Entry & Terminal Gateway	CDS	✓	HU - Head Unit	CDS	✓	HU - Head Unit	VOD	✓	PDC - Parking Distance Control	CDS	✓	TTC - Telltale Controller	CDS	✓
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Check status of the ' ESC – Electric Stability Control '.																									
15	Repeat steps 10-14 for the following control modules. BCM – Recode CDS only. PDC – Recode CDS only. TTC – Recode CDS only.																								

16	Note: A succesful coding will show a GREEN tick next to all the control modules .  Check status of the recoded control modules.
17	Disconnect the vehicle from the INEOS Automotive Diagnostic Tool. Refer To: TOPIC_0000002023 OBD2 Component Calibration
18	Road Test the vehicle to determine the operation of the engine stop/start system.

Change History

Reference No.	Date	Description
IAMWO003025	03/04/2024	First release