SS 284 eB2 (Jouley) Excessive Parasitic Draw & Road Speed Limit Adjustment Feature (576181)

Applicable Vehicles

FCCC eB2 (Jouley)

Symptoms

Units can exhibit higher than normal parasitic draw on **low** voltage batteries.

Road speed limit is currently not adjustable.

Issue

Inverter currently supplies constant battery power.

Current PCM software will not allow RSL adjustment.

Solution

Battery draw = Re-wire battery constant source to ignition source. (See attachment)

RSL = Update PCM software version to 4.3.1 to allow RSL adjustment with Proterra Service Tool.

Calibration file can be found in DTNA Portal/Download Center/FCCC/eB2 (Jouley) Proterra PCM calibration version 4.3.1.

Please ensure wiring is installed correctly at the high current relay as seen on the last page.

Normal warranty applies using PFP# **PRR 0051509 with SRT of 1.0 hr labor.**

Labels :

Busses

Add tags

Attachments

0 Kudos

Comment

Powered by Khoros

DAIMLER TRUCK

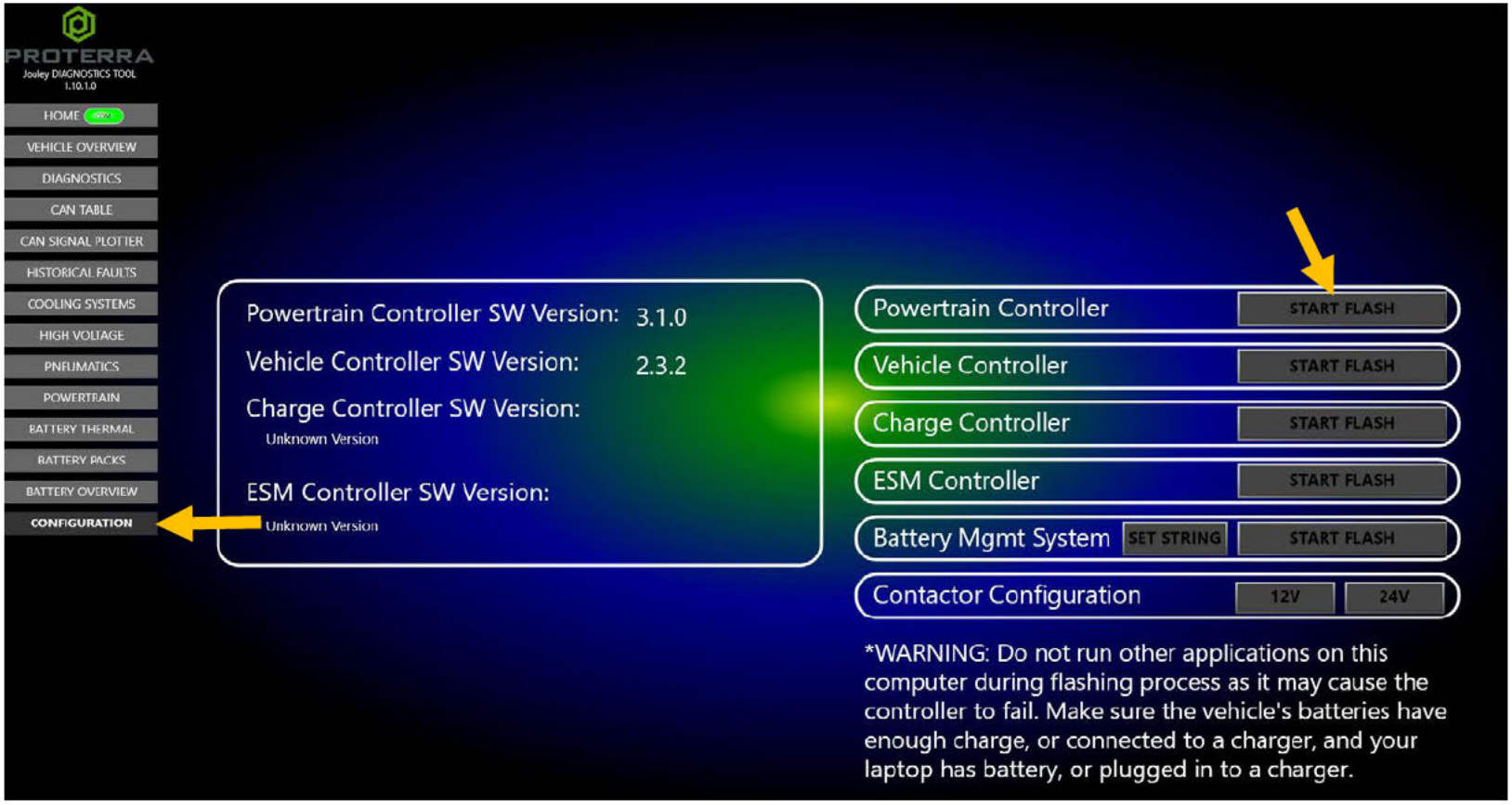
PCM 4.3.1 Update for eB2

8/17/2023

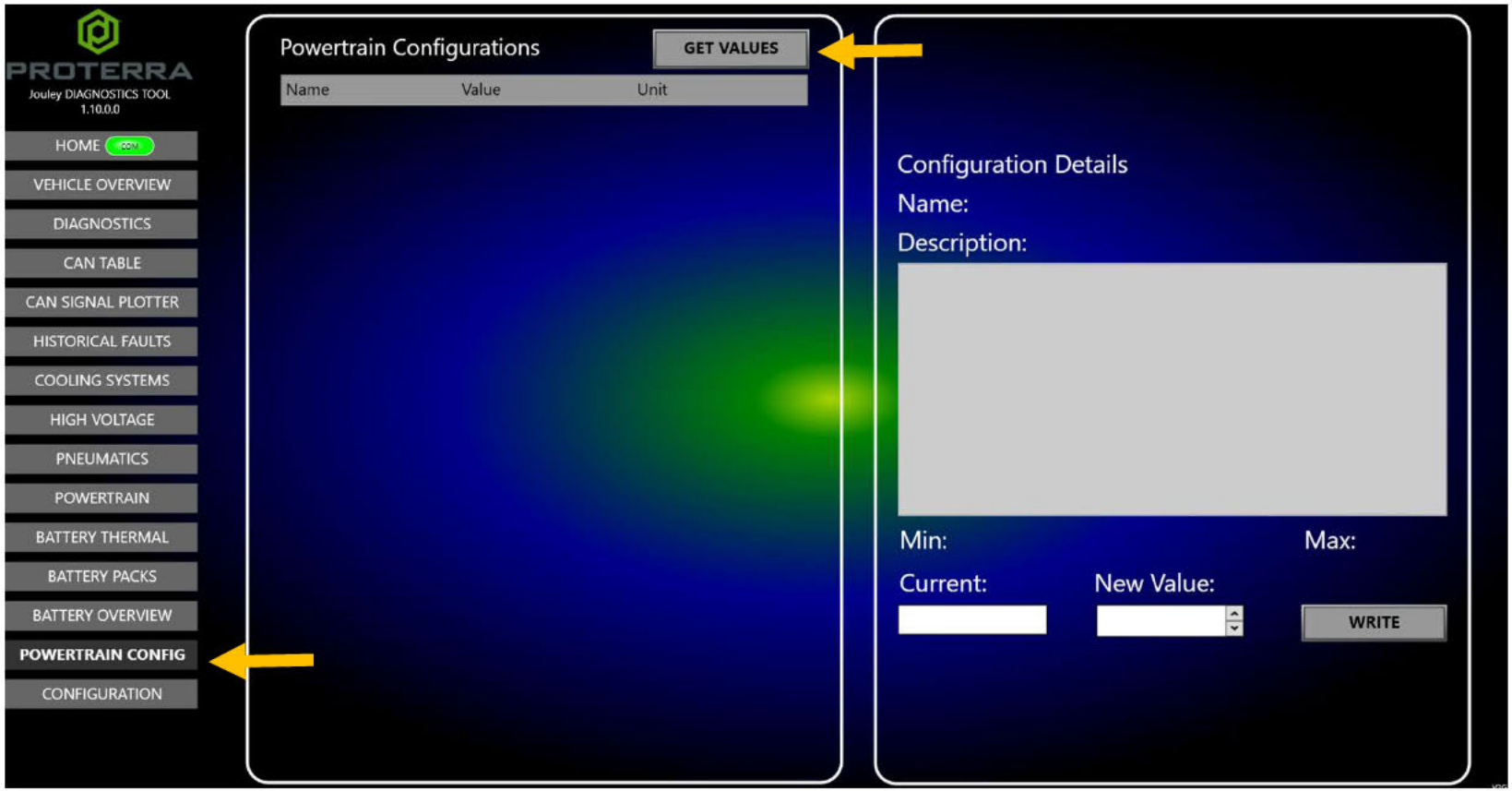
- Programmable Speed Limits and Tire Sizes
- Resolves current draw from Powertrain Inverter when vehicle is off

FREIGHTLINER Thomas BUILT BUSES WESTERN STAR FUSO BHARATBENZ RIZON SETRA DAIMLER TRUCK Financial Services

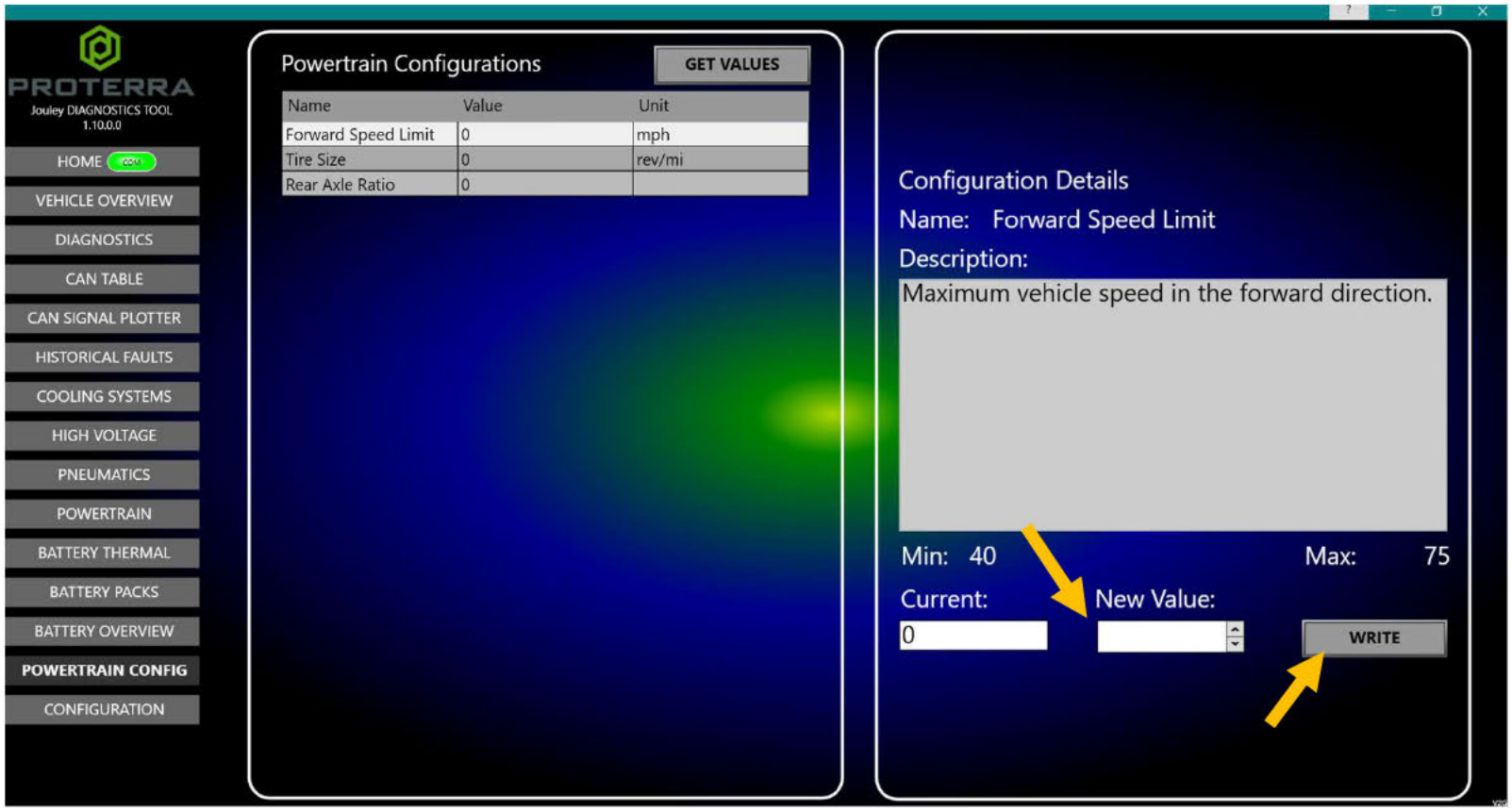
Open the Proterra Diagnostic Tool and update the PCM to version 4.3.1 by opening the CONFIGURATION tab, selecting START FLASH, and choosing the PCM SW .hex file.



After updating the PCM to version 4.3.1 you will see a new POWERTERAIN CONFIG tab. Click on it, then click GET VALUES.



After clicking on GET VALUES everything will show up as 0. You will need to manually put in all values under New Value do one at a time then click Write Value after each value change.



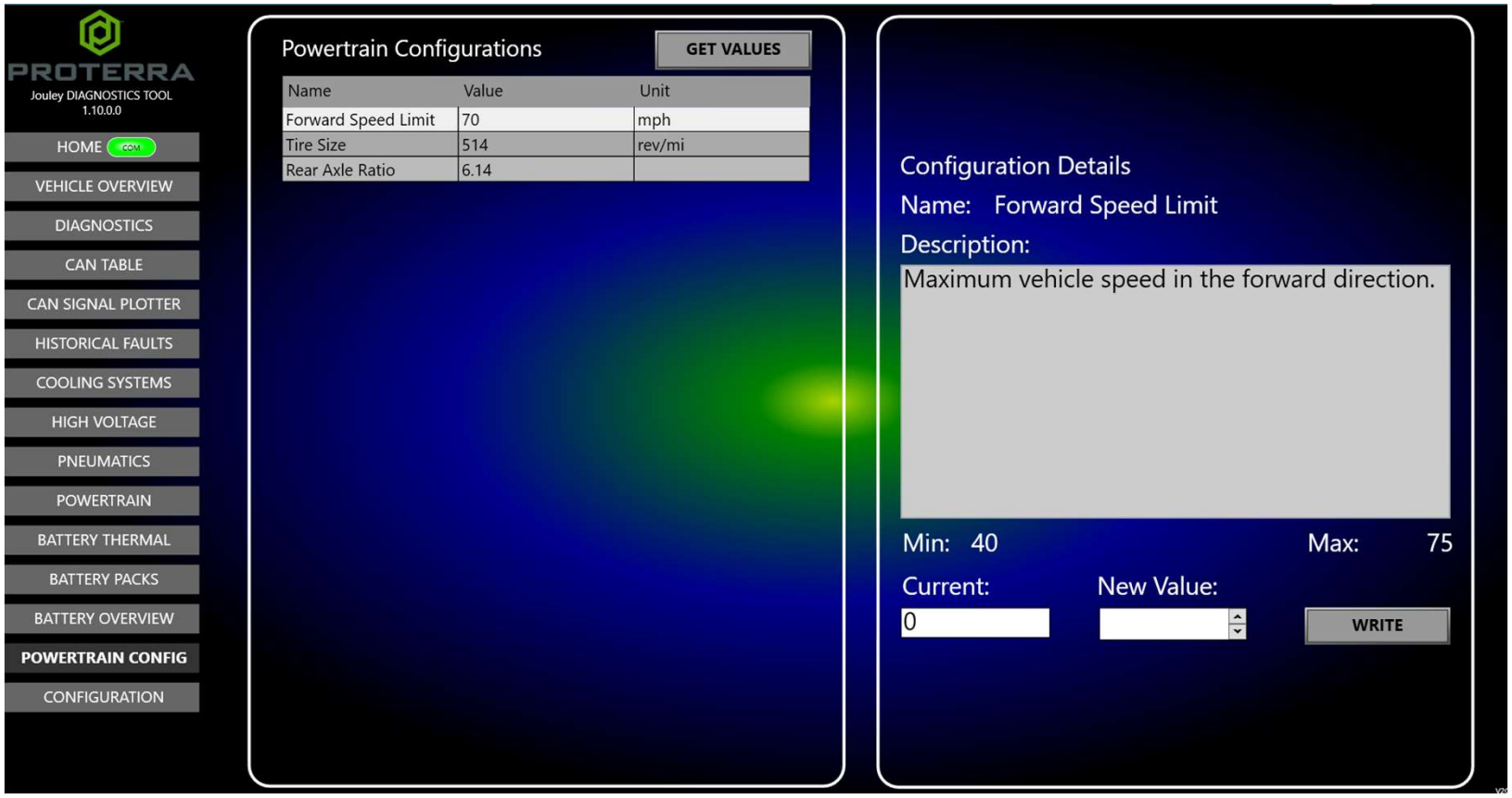
Value information

Enter Road Speed Limit (45, 50, 55, 60, 65, 70, or 75 mph).

Enter tire size… this will be REVS per mile based on make and model of equipped tire.

Enter axle ratio. This information is on the rear axle, but all eB2s are currently equipped with 6.14.

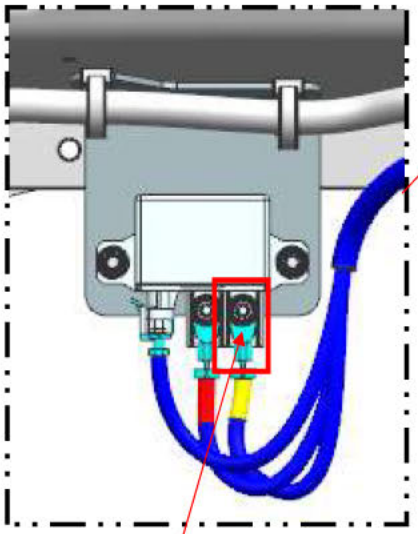
After programming all Value's click GET VALUES to verify everything is entered correctly.

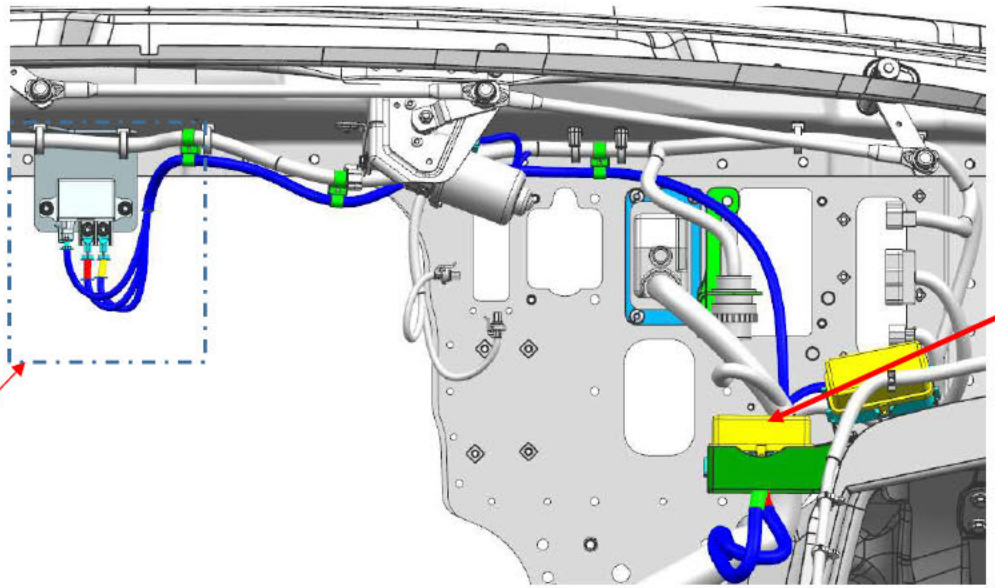


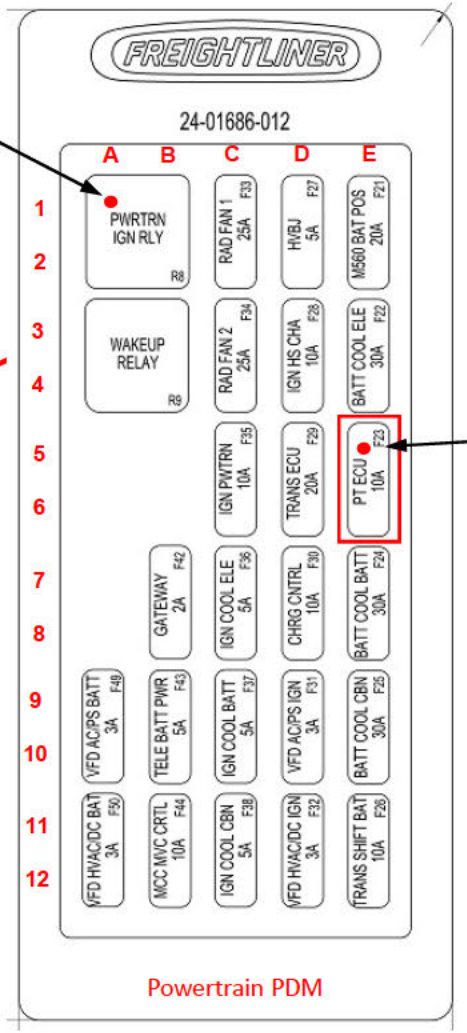
Final Step

- Key off the bus for 1 minute to let everything go to sleep.
- Perform Inverter Pin 1 wiring rework instruction
- Power on vehicle and check for fault codes.

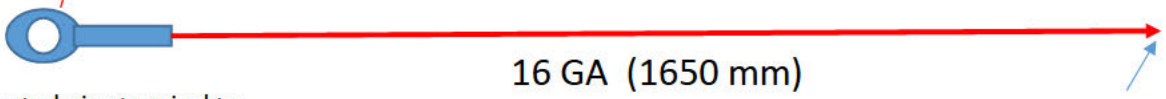
Inverter Pin 1 (BATT) rework to Ignition switched power







1. Create the wire below with terminals on both end.
2. Locate the powertrain PDM fuse holder.
3. Remove the circuit on E5. Tape the terminal so it does not short.
4. Insert the new wire to pin 5 and double stack the ring terminal to the high current relay terminal 3.
5. Zip the wire to the main bundle on the front wall.



Double stack ring terminal to high current relay terminal 3

Ensure terminal 2 has 12V with ignition off and terminal 3 does not