

UPDATE

3rd Party Trend Power Battery Diagnostic Testing Procedures

Thank you for purchasing the Battery Diagnostic Tool 915800-003 to diagnose the in-tube battery in your Norco VLT bike. Please follow the procedures below.

You will need TP-SMN Dealer 1.0.0 (SIMPLO DIAGNOSTIC TOOL.exe) software located on LTP Dealer site (My Account > Service, Warranty, & Returns > VLT E-Bikes Tab - (GEN 1/2 VLT / SIMPLO) Section) to use the diagnostic tool #915800-003 and harness accessories.

Please download software to your desktop.

A) Bench Test Procedure.

- To Bench test battery drive unit must be dropped from bike frame, (**please refer to motor removal video in DLC*). All Gen1/Gen2 in-tube batteries and 360w extender battery can be bench tested.
- In order to access the in-tube battery terminal port, you must remove the silver alloy mounting bracket from bottom of battery (3 screws).

915800-003

Diagnostic tool with bench test harness



*Large end of harness plugs into battery terminals on next page

In-tube battery



Extender battery



B) Testing via Charge Port.

*Prior to Diagnosing Gen1 & Gen2 in-tube batteries, adapter harnesses below must be used. *Testing through charge port confirms internal wiring is working correctly.

(Gen1) 7pin 915800-003-1

(Gen2) 11pin 915800-003-2



diagnostic tool, then into

charge port on bicycle.

Harness plugs into

Diagnostic procedure:

*Procedure below is the same for Bench test or Charge port testing.

- Plug USB from diagnostic tool into computer USB port.

Batteries have 10 cells.

- All 10 cells should show approximately the same level of charge to obtain OK/PASS status.

TRENDPOWER Serial Number: TPI37B44E2002FUNS0026

Item	Value	Unit
Pack_ID	0	Value
Model_Name	TP02	ASCII
Hardware_Version	2.0	Ver
Firmware_Version	1.2	Ver
Pack_Voltage	35451	mV
Pack_Current	0	mA
Production_Date	12/09/18	D/M/Y
Real_Time_Clock	07/03/19	D/M/Y
Last_Charge_Date	00/00/00	D/M/Y
Cycle_Count	1	Times
StateOfHealth	100	%

Event-handling Method

Safety Info

- Over Voltage
- Under Voltage
- Charge Over Temperature
- Charge Under Temperature
- Discharge Over Temperature
- Discharge Under Temperature
- Discharge Over Current
- Charge Over Current
- Short Circuit
- Permanent Failure Status

Battery Status

OK

100%

State Of Charge Temperature

3.05 Ah
25 %

Temp1: 24.3 °C
Temp2: 24.1 °C

Cell Voltage(mV)

Cell 1	Cell 2	Cell 3	Cell 4	Cell 5	Cell 6	Cell 7	Cell 8	Cell 9	Cell 10
3546	3545	3544	3545	3545	3545	3545	3545	3545	3545

Ver. 1.0.0

*If Battery does not show OK/Pass status, then a new battery is required.

*The software also allows you to print a copy for your files.

*The Export button has been disabled.

To Exit Trend Power Software click the EXIT button.

*It is now safe to unplug diagnostic tool from your computer and battery.

Norco Bicycles