TSN00874 (NCT08932842) - TERMINAL TEST KIT

Purpose

Kit is used to probe and check terminal pin tension of 12V connections for all vehicle platforms.

Related Tools

TSN00543 (NCT04754727) - TERMINAL DEPINNING TOOL KIT

TSN00557 (NCT04754726) - WIRE HARNESS REPAIR KIT

Additional Resources

Wiring Design Portal User Manual:

Wiring Design Portal User Manual ARCHIVED

JiT - Ep. 27 - Wiring Design Portal Introduction:

https://web.microsoftstream.com/video/b818aa2a-691d-486d-bae7-30cf14e5d59f?channelId=c3536d0c-9d57-4182-b523-87e0b0f41a92

CAUTION!

Failure to select the correct mating terminal size from the test kit can cause permanent damage to the mating terminal. Always double check pin dimensions for your circuit before performing any tests.

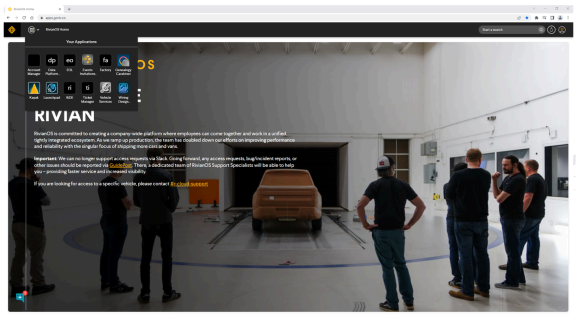
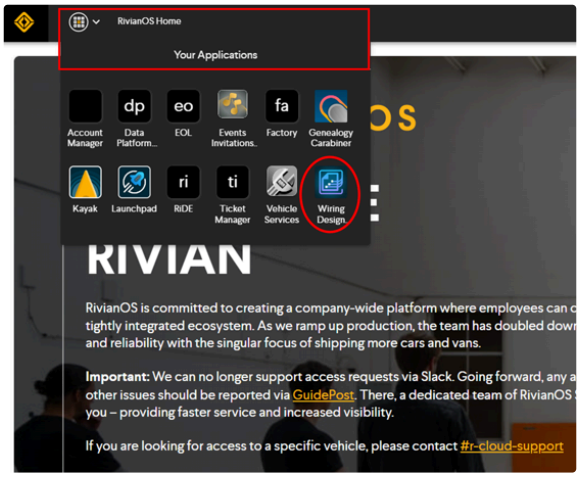
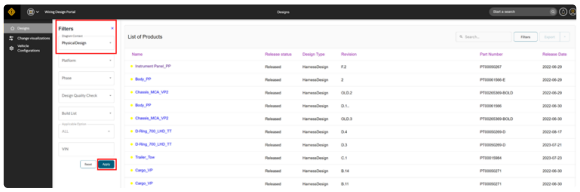
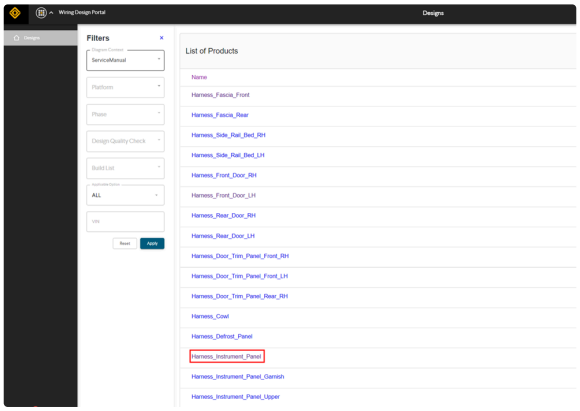
Kit Contents

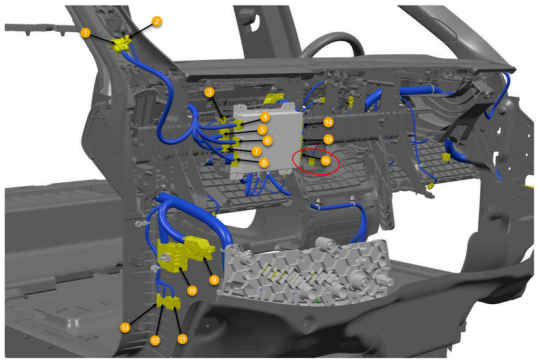
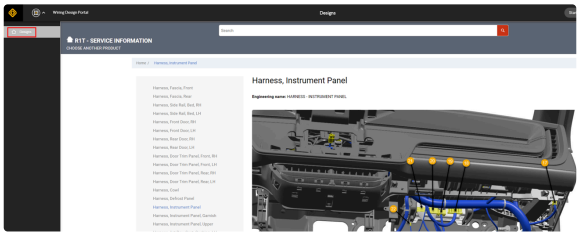
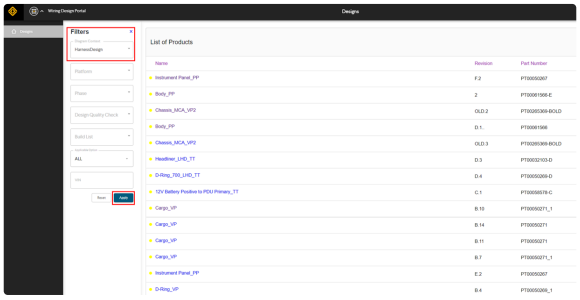
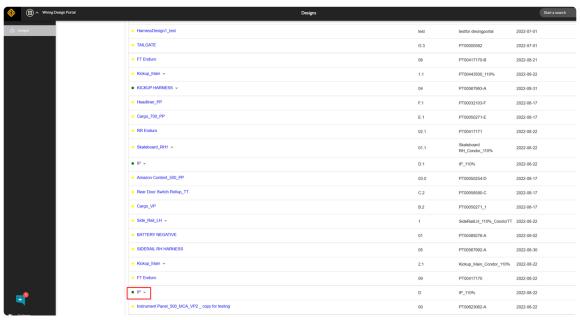
RIVIAN P/N	QTY	TERMINAL MFG.	TERMINAL MFG. P/N	WIRE GAUGE (AWG)	WIRE COLOR	DESCRIPTION

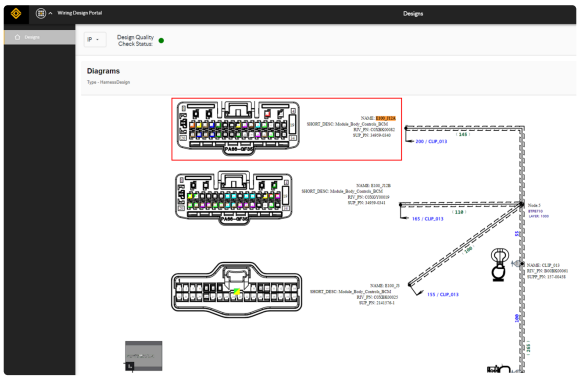
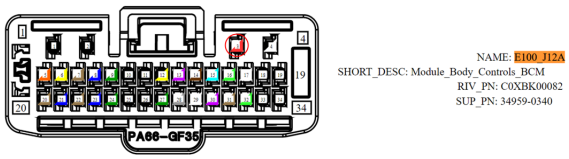
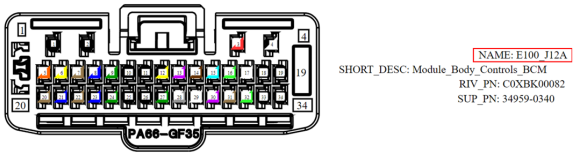
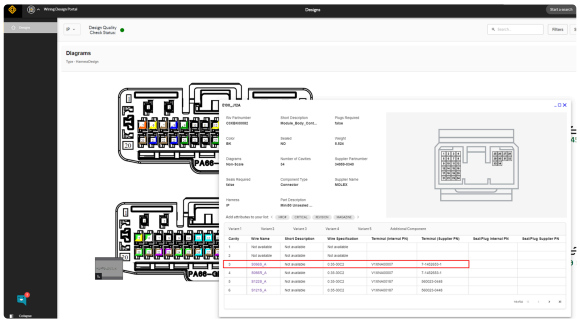
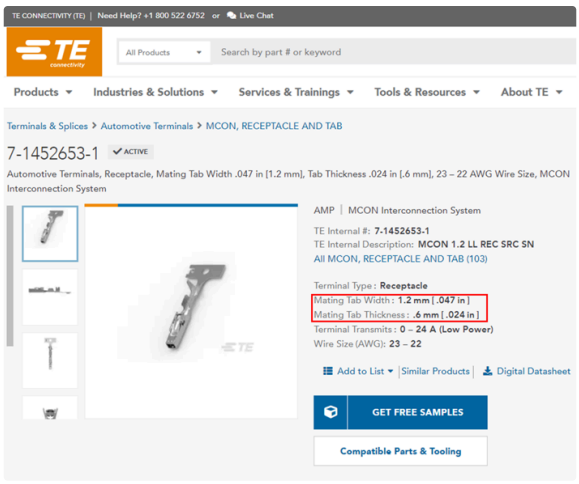
TSN00874-200-A	5	APTIV	35091062	20	YELLOW	1.20mm WIDE, 0.60mm THICK, MALE
TSN00874-201-A	5	APTIV	35072403	20	YELLOW	1.20mm WIDE, 0.60mm THICK, FEMALE
TSN00874-202-A	3	TE	6-928918-1	22	DARK GREEN	0.64mm WIDE, 0.64mm THICK, MALE
TSN00874-203-A	3	TE	5-928999-1	22	DARK GREEN	0.64mm WIDE, 0.64mm THICK, FEMALE
TSN00874-204-A	3	TE	2109005-3	16	DARK BLUE	1.50mm WIDE, 0.64mm THICK, MALE
TSN00874-205-A	3	TE	2109006-3	16	DARK BLUE	1.50mm WIDE, 0.64mm THICK, FEMALE
TSN00874-206-A	5	MOLEX	330001003	22	PURPLE	1.50mm WIDE, 0.80mm THICK, MALE
TSN00874-207-A	5	MOLEX	330122003	22	PURPLE	1.50mm WIDE, 0.80mm THICK, FEMALE
TSN00874-208-A	3	SUMITOMO	8100-3804	16	BROWN	2.30mm WIDE, 0.64mm THICK, MALE
TSN00874-209-A	3	SUMITOMO	8240-0264	16	BROWN	2.30mm WIDE, 0.64mm THICK, FEMALE
TSN00874-210-A	3	YAZAKI	7114-4152-02	16	ORANGE	2.80mm WIDE, 0.80mm THICK, MALE
TSN00874-211-A	3	YAZAKI	7116-4152-02	16	ORANGE	2.80mm WIDE, 0.80mm THICK, FEMALE
TSN00874-212-A	3	TE	1-2236905-1	24	GRAY	0.50mm WIDE, 0.4mm THICK, MALE
TSN00874-213-A	3	TE	2-1703930-4	24	GRAY	0.50mm WIDE, 0.4mm THICK, FEMALE
TSN00874-214-A	1	MUELLER ELECTRIC	BU-32101-0 or Equiv.	-	-	ADAPTER -INSULATED BANANA JACK TO STANDARD BANANA PLUG - BLACK
TSN00874-215-A	1	MUELLER ELECTRIC	BU-32101-2 or Equiv.	-	-	ADAPTER -INSULATED BANANA JACK TO STANDARD BANANA PLUG - RED

Procedure:

Step	Description	Image

1	Login to Rivian OS https://apps.goriv.co/	
2	From the applications menu, select “Wiring Design”	
3	From the “Filters” window, use the “Diagram Context” menu to select “Physical Design” and click “Apply”	
4	Search for the vehicle sub harness that your connector is part of and click the link. Example: Instrument Panel Harness	

5	Use the diagram and corresponding table to identify the connector ID. Example: Callout: 16 Connector ID: E100_J12A	 **Callout** / **Connector** 1 — Y354 2 — Y332C 3 — E001_GND 4 — E100_J1 5 — E001_J10 6 — E100_J6 7 — E001_J20 8 — E100_J11 9 — X464 10 — Y462 11 — X410 12 — X412E 13 — X414C 14 — E100_J3 15 — E100_J12B 16 — E100_J12A
6	Use the “Designs” button in the top left corner to go to the Wiring Design Portal home page.	
7	From the “Filters” window, change the “Diagram Context” to “Harness Design” and click “Apply”	
8	Search for the vehicle sub harness that your connector is part of and click the link. Example: Instrument Panel Harness	

9	Search the schematic for your connector ID using ctrl+F Example: E100_J12A	
10	Use the connector diagram to identify the cavity number of the circuit you are diagnosing. Example: Position # 3	
11	Double click on the “Name“ to bring up connector details.	
12	Use the tables to find the manufacturer and part number for the terminal you want to test. Example: Manufacturer: TE Manufacturer Part Number: 7-1452653-1	
13	Use the manufacturers website to identify the terminal size through tables or drawings.	

14	Pick the corresponding terminal size from the test kit.