

TSN01449 | CAN BREAKOUT HARNESS, 76 POSITION

PURPOSE:

OTHER TOOLS REQUIRED:

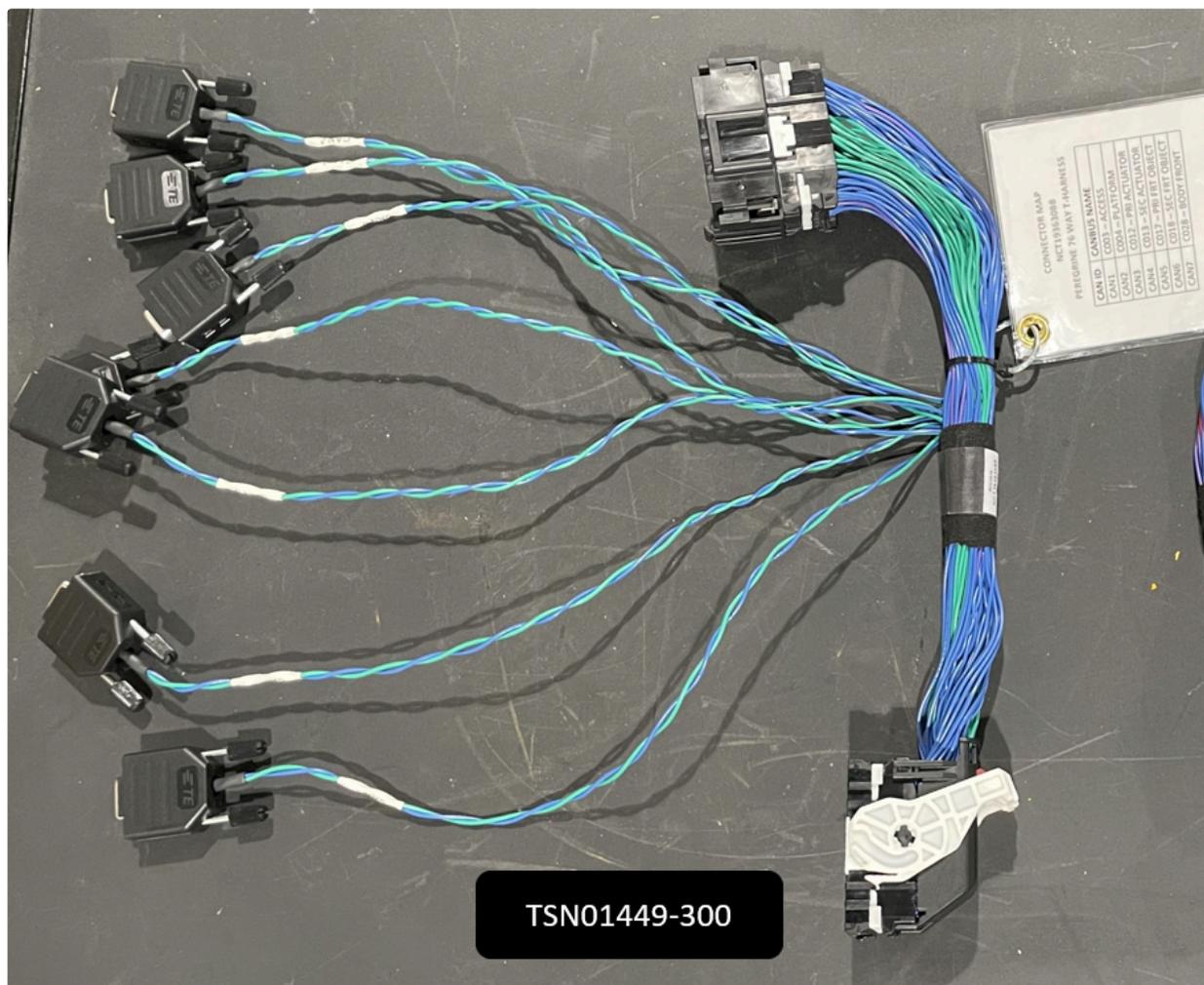
R1 MODEL YEAR 2025 (PEREGRINE) CAN NETWORK MAP:

PRIOR TO USAGE:

TOOL USAGE:

PURPOSE:

TOOL IS USED FOR R1 MODEL YEAR 2025 (PEREGRINE) CAN NETWORK BREAKOUT 76-WAY CONNECTOR FOUND AT THE VEHICLE IP TO BODY RH HARNESS INTERFACE



OTHER TOOLS REQUIRED:

[TSN01448-300 | CAN BREAKOUT HARNESS, 24 POSITION](#)

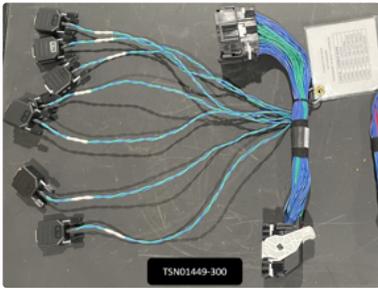
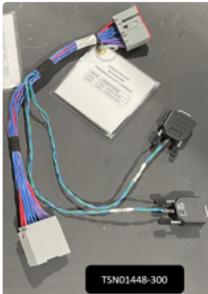
TSN00354-100-A - PCAN-USB-FD ADAPTER

TSN00266-100-A - TRIM REMOVAL TOOL SET

TSN00252-100-A - PICK SET 6", 4PC AWL 45 DEG 90 DEG HOOK

R1 MODEL YEAR 2025 (PEREGRINE) CAN NETWORK MAP:

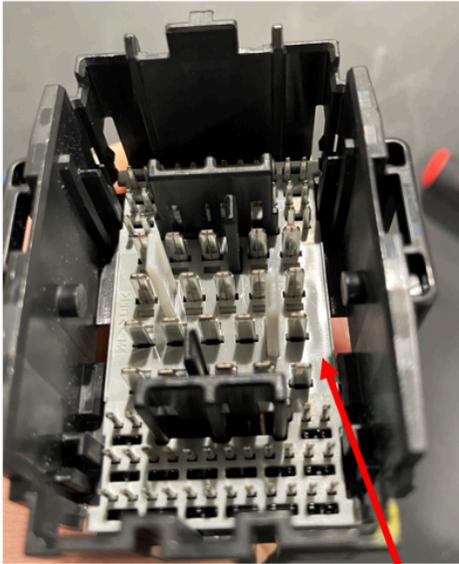
i Use table below to determine which T-harness is needed for the CAN network you're trying to access

BREAKOUT ID	VEHICLE CANBUS NETWORK	BREAKOUT HARNESS
CAN1	C003 – ACCESS	TSN01449 CAN BREAKOUT HARNESS, 76 POSITION  A photograph of a 76-position CAN breakout harness with multiple colored wires (blue, green, red, black) and various connectors. A label 'TSN01449-300' is visible at the bottom.
CAN2	C004 – PLATFORM	
CAN3	C012 – PRIMARY ACTUATOR	
CAN4	C013 – SECONDARY ACTUATOR	
CAN5	C017 – PRIMARY FRT OBJECT	
CAN6	C018 – SECONDARY FRT OBJECT	
CAN7	C028 – BODY FRONT	
CAN8	C020 – BODY REAR	TSN01448-300 CAN BREAKOUT HARNESS, 24 POSITION  A photograph of a 24-position CAN breakout harness with colored wires and connectors. A label 'TSN01448-300' is visible at the bottom.
CAN9	C031 – MOTOR CAN	

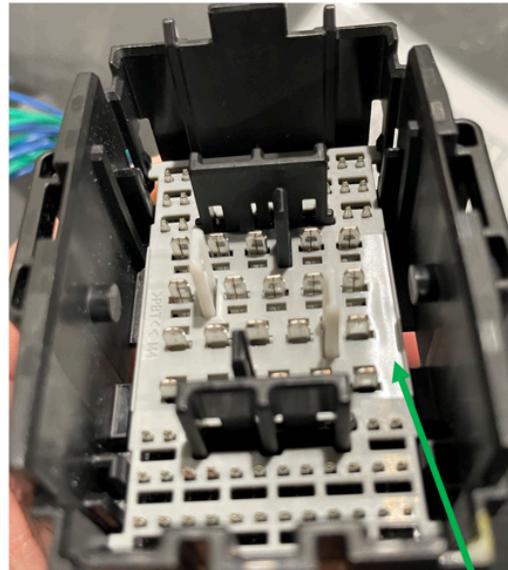
PRIOR TO USAGE:

i **Inspect connector interfaces** for signs of damage or debris. Do not mate with vehicle interfaces if tool is damaged or contaminated. Contact tooling team with any questions or requests for replacement parts. ServiceToolEngineering@rivian.com

- ❗ **Inspect male blade stabilizer (MBS)** on both vehicle and T-harness male connectors, ensure both are reset before mating T-harness with vehicle. Failure to reset may result in permanent damage to tool and/or vehicle connector.

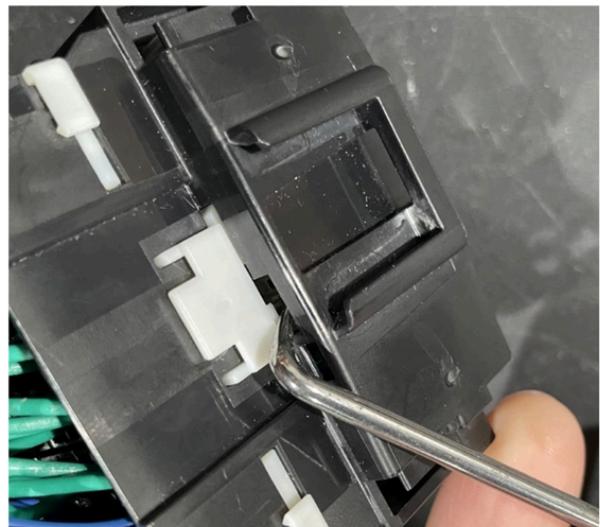
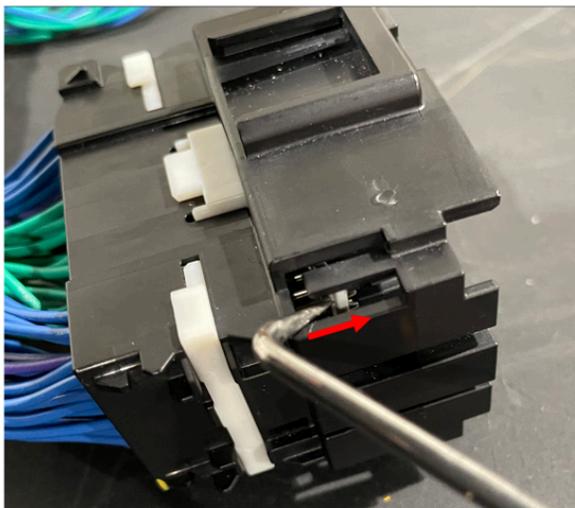


MBS DEPRESSED
TERMINALS UNSUPPORTED

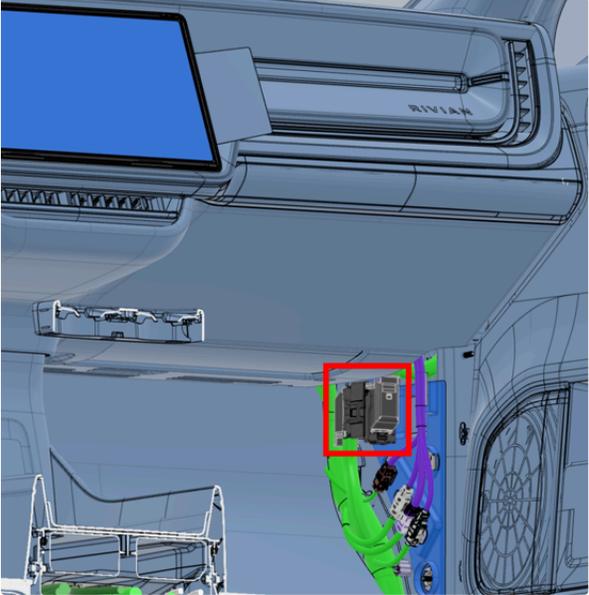


MBS RESET
TERMINALS SUPPORTED, READY TO CONNECT

- ❗ **TO RESET MBS:** Use a 90 degree pick to carefully lift the MBS plate at 4x corner slots and 2x center slots of the male connector until MBS clicks fully into the reset position. Use care to avoid bending terminals while resetting MBS.



TOOL USAGE:

STEP	DIRECTIONS	VISUAL AID
1	<p>Locate vehicle 76 way connector - found beneath the instrument panel, RH side behind the side kick panel for both R1T and R1S.</p> <p>Remove trim as needed to access connector.</p>	 <p>A 3D CAD rendering of the vehicle's interior, viewed from the driver's side looking towards the passenger side. The instrument panel and center console are visible. A red rectangular box highlights a component located beneath the instrument panel on the right side, which is the 76-way connector mentioned in the directions. The rendering is semi-transparent to show internal components.</p>
2	<p>Disconnect 76 way connection and reset MBS on male side of vehicle connector.</p> <p>Connect T-harness in-line with vehicle harness as shown</p> <div data-bbox="289 1115 816 1245" style="border: 1px solid #add8e6; padding: 5px;"><p> Male side of vehicle connector should remain clipped to the vehicle to avoid damage to connector body</p></div>	 <p>A photograph showing a close-up of the male side of the vehicle connector. The connector is a large, cylindrical metal component with a bundle of multi-colored wires (blue, green, purple, etc.) extending from it. A T-harness is connected in-line with the vehicle harness. The background shows the interior of the vehicle, including the instrument panel and center console.</p> <p data-bbox="1036 1541 1230 1560">Male Side Vehicle Connector</p>



Female side vehicle connector

3 Each DB9 connector is labeled with a CAN ID number.
Use the connector map attached to the harness to determine which DB9 breakout corresponds to the CAN network you would like to communicate with.

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TSN01449-300-A

PEREGRINE T-HARNESS
76 WAY IP TO BODY RH

CAN ID	CANBUS NAME
CAN1	C003 – ACCESS
CAN2	C004 – PLATFORM
CAN3	C012 – PRI ACTUATOR
CAN4	C013 – SEC ACTUATOR
CAN5	C017 – PRI FRT OBJECT
CAN6	C018 – SEC FRT OBJECT
CAN7	C028 – BODY FRONT

4 Once work is complete, carefully disconnect harness from vehicle.
Reset MBS on both the vehicle and T-harness male connectors.
Reconnect vehicle harness and verify system functionality.