

TSN001430-300: SRS Dummy Plug Kit

PURPOSE:

This tool is used to help diagnose SRS faults on a vehicle. Use of this tool alongside RiDE to read DTC faults will help a technician determine if a fault exists within the vehicle harness/ECU or the safety restraint (SRS) component itself to help determine the next step in repair process.



The SRS Dummy Plug kit consist of:

- TSN01430-201



- TSN01430-202



Vehicles to use this kit on:

- R1 (T/S) 2022-2024 (Both TSN01430-201 and TSN01430-201)
- R1 (T/S) 2025> (only TSN01430-201)
- EDV (500/700) 2022> (only TSN01430-201)

LABOR CODE:

72- Occupant Protection

- 7200 - Occupant Protection, General
- 7210 - Seat Belts
- 7240 - Airbags
- 7270 - Occupant Protection Sensors and Modules

OTHER TOOLS REQUIRED:

TSN00535-300 Ethernet Diagnostic OBD cable

PRIOR TO USAGE:

Visual Inspection:




1. Visually inspect all dummy plugs for bent/damaged terminals and the harness for knicks in insulation/damage to wiring. Replace as necessary.
2. If any part of the kit is missing, be sure to order the correct replacement immediately!
3. If any of the tooling is modified in a non approved manner, **DO NOT USE** and dispose of the component immediately. Order a replacement!



CAUTION: Do not perform procedure if any equipment is missing or damaged. Contact tooling team with any questions or requests for replacement parts. ServiceToolEngineering@rivian.com





TOOL USAGE:

TSN01430-201 is used on round Pyro squib connectors:

STEP	DIRECTIONS	VISUAL AID
1	The SRS Dummy Plug kit is to be used alongside RiDE as a SRS emulator to help distinguish a SRS issue between the vehicle wiring and the SRS component.	
2	<p>TSN01430-201 is used on round Pyro squib connectors</p>  <p>Used on:</p> <ul style="list-style-type: none">• Drivers Steering Wheel Airbag• Curtain Airbags• Driver Passenger Airbag• Driver and Passenger Knee Airbags• Seatbelt retractor pyro <p>⚠ Be sure to properly power down the vehicle prior to disconnecting SRS pyro squibs.</p> <p>Refer to service manual for proper power down procedures</p>	 <p>Example of a pyro squib connector</p>
3	<p>Unplug the round pyro squib connector from the SRS component and insert into TSN01430-201. This will emulate a good SRS component to the circuit.</p> <ul style="list-style-type: none">• You will then power up the vehicle and see if the SRS warning on the dash or DTC is still present. This will help you distinguish if there is an issue with a faulty SRS component or the circuit in the vehicle.	 <p>Round SRS pyro squib connector inserted into TSN01430-201</p>

4	Perform repairs as needed and re-assemble vehicle. Return Dummy plug back to TSN001430-300: SRS Dummy Plug Kit for next technician to use.	
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TSN01430-202 is a Dummy Harness plug for seat airbag:

STEP	DIRECTION	VISUAL AID
1	<p>TSN01430-202 is a Dummy Harness plug for seat airbag</p>  <p>Used on:</p> <ul style="list-style-type: none"> Model Year 2022-2024 R1 (T/S) Driver and Passenger seat airbag <div style="background-color: #ffffcc; padding: 5px; border: 1px solid black;"> <p>⚠ Be sure to properly power down the vehicle prior to disconnecting SRS pyro squibs.</p> <p>Refer to service manual for proper power down procedures</p> </div>	 <p>Location under Driver and Passenger seat on 2022-2024 R1 (T/S)</p>
2	<p>Unplug the SRS connector under the seat for the seat airbag</p>	 <p>Under seat SRS connector for seat airbag unplugged</p>
3	<p>Separate the plug on the vehicle harness side. This will be where you plug in TSN01430-202 is a Dummy Harness plug for seat airbag into the vehicle harness to emulate a good SRS component.</p> <ul style="list-style-type: none"> You will then power up the vehicle and see if the SRS warning on the dash or DTC is still present. This will help you distinguish an issue with a faulty SRS component or the circuit in the vehicle. <div style="background-color: #e6f2ff; padding: 5px; border: 1px solid black;"> <p>i Unfortunately there currently is no Dummy plug kit for R1 (T/S) Model Year 2025 > to diagnose the Driver or Passenger seat airbag DTC.</p> </div>	 <p>TSN01430-202 plugged into vehicle harness side for seat airbag</p>
4	<p>Perform repairs as needed and re-assemble vehicle. Return Dummy plug back to TSN001430-300: SRS Dummy Plug</p>	

Kit for next technician to use.