

# TOOL USE INSTRUCTION

**RIVIAN**

TOOL NUMBER

TSN01621-300-A

TITLE

Brake Bleed Adapter- 50mm

REV - DATE

REV A 03/06/2026

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## TOOL FUNCTION

Used for bleeding Rivian vehicle with a 50mm brake reservoir opening.





**WARNING**

Do not perform procedure if tool is damaged or missing parts. Consult the Rivian Service Tool Catalog for replacement components.

Failure to follow guidelines outlined in this document could result in injury and/or property damage.

**SAFETY GUIDELINES**

1	PPE Required: <ul style="list-style-type: none"> <li>● Eye protection</li> <li>● Gloves</li> </ul>	
2	Risk of: <ul style="list-style-type: none"> <li>● Damage to vehicle or property</li> </ul>	
3	Contents under pressure. Confirm adapter is fully engaged, tight, and locked on to the brake reservoir before attempting to perform the pressure bleed	
4	Refer to MSDS for warnings on Brake Fluid	



**SPECIFICATIONS**

Weight: 1.0 lb

**LABOR CODES**

1400- Brakes General

**OTHER TOOLS REQUIRED**





- **TSN00379** Electric Pressure Brake Bleeder
- RiDE Diagnostic Tool Procedure: **140050517 - [R2] Fluid, Brake, Bleed, 4 Calipers**







**COMPONENT GUIDE**

ITEM	QTY	RIVIAN TOOL ID	DESCRIPTION
1	1	TSN01621-300-A	Brake Bleed Adapter- 50mm



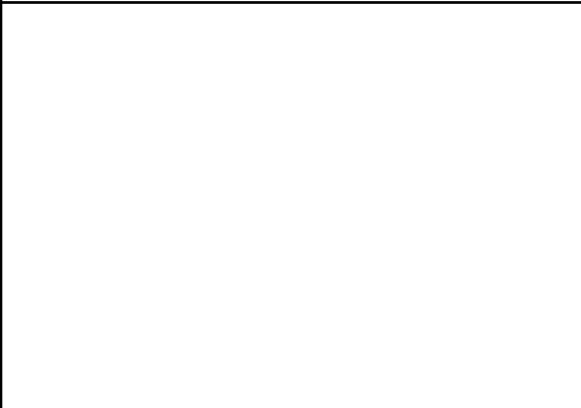



<p>1</p>	<p>Locate the brake reservoir cap on the vehicle</p>	
<p>2</p>	<p>Remove the factory reservoir cap</p>	
<p>3</p>	<p>Turn the black spin-nut counter-clockwise (all the way) to allow full travel of the center bore and no compression of the seal. There should be no threads visible towards the brass fitting.</p>	
<p>4</p>	<p>Match the locking tabs on TSN01621 to the brake reservoir for installation, then rotate clock-wise to lock it into position.</p>	


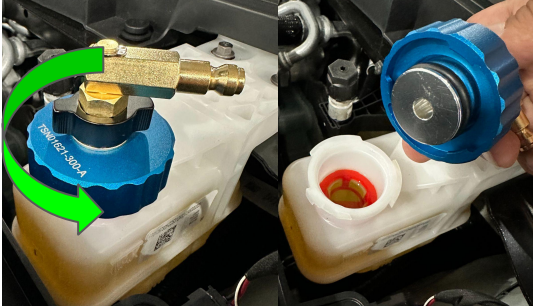



<p>5</p>	<p>Once TSN01621 is installed onto the brake reservoir, it should look like this.  <b>NOTICE: NO</b> threads are shown on top towards the brass fitting.</p>	
<p>6</p>	<p>Lightly push the brass fitting downwards to ensure the O-ring seats in the throat of the brake reservoir. Turn the black spin-nut to expand the seal in the reservoir.</p>	
<p>7</p>	<p>Threads will be exposed on top towards the brass fitting. This is a good indication of a tight fitting brake bleed adapter.  Check to ensure the adapter is seated and locked in position.</p>	
<p>8</p>	<p>Connect the Electric pressure brake bleeder hose to the brake bleed adapter</p>	



<p>9</p>	<p>Pull the collar on the Electric pressure brake bleeder hose and connect to the brake bleed adapter fitting.  <b>Make sure the collar retracts when connected and that the connection is secure before applying any pressure to the system.</b></p>	
<p>10</p>	<p>Turn on the Electric pressure brake bleeder and set the pressure (Refer to Vehicle Service Manual for Pressure specification).</p>	
<p>11</p>	<p>Once the bleed is complete, <b>TURN OFF</b> the electric pressure brake bleeder before disconnecting the hose from the adapter.   <b>Warning:</b> Allow a few minutes for the residual pressure to lower before disconnecting!</p>	
<p>12</p>	<p>To remove TSN01621 from the reservoir, disconnect the Electric pressure brake bleeder hose from the adapter</p>	



<p>13</p>	<p>Turn the black spin nut counter-clockwise to relieve clamping pressure from the adapter center bore on the reservoir throat.</p>	
<p>15</p>	<p>The black spin nut should go all the way to the top and no threads should be exposed towards the brass fitting.</p>	
<p>16</p>	<p>You can now, rotate the whole brake bleeder adapter assembly disconnecting the locking tabs from the brake reservoir</p>	
	<p>Reinstall the factory brake reservoir cap</p> <p>Complete the brake bleed procedure using RiDE.</p> <p>Confirm brake pedal actuation</p>	



**BASIC MAINTENANCE GUIDE**

TASK	FREQUENCY
Inspect for damage (Housing/seals/fittings etc.)	Before each use
Wipe any residual brake fluid from the cap	Before and after each use

**REPLACEMENT COMPONENTS**

Description	Supplier	Supplier P/N
Parker E0603 EPDM O-Ring, 3/16 Fractional Width, Dash Number 317	Mcmaster-Carr	<a href="#">9557K294</a>



PROBLEM	SOLUTION
Pressure is not being achieved when applied.	<ul style="list-style-type: none"><li>● Inspect the seal on the adapter assembly for any tears</li><li>● Check to make sure the seal is against the throat of the reservoir and the spin nut is tightened</li><li>● Check the brake bleeder function</li><li>● Inspect for external leaks on the cap. This would indicate seal damage.</li></ul>
Brake Bleeder adapter does not fit the reservoir	<ul style="list-style-type: none"><li>● Ensure that you are using the correct diameter brake bleed adapter</li><li>● Ensure that you are rotating the adapter to fall into the guide slots</li></ul>





**DANGER**

Risk of electrocution or electric shock



**WARNING**

Risk of minor injury



**DANGER**

Risk of major injury such as

- fire
- chemical or poison
- crushing / maiming
- death



**CAUTION**

Risk of

- damage to vehicle or property
- data disruption
- voiding warranty



**CAUTION**

Risk of Pinch Point

- keep hands and fingers clear of all moving parts.



**PPE REQUIRED**

**IMPORTANT**

Refer to Rivian Service Manual for required pressure to properly bleed the brake system on Rivian vehicles

**NOTE**

REV	DATE	CHANGE DESCRIPTION
A	03/06/2026	Initial release

