

## TOOL USE INSTRUCTION

**RIVIAN**

TOOL NUMBER TSN01095-300-A

TITLE LOWER LIFTGATE TORSION ROD TOOL

REV - DATE REV A - 1/16/2025

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### TOOL FUNCTION

USED TO REMOVE/INSTALL THE R1S LOWER LIFTGATE TORSION ROD.



## OVERVIEW

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### SPECIFICATIONS

Weight: 5.0 LBS

Load Rating: N/A

Voltage Rating: N/A

### LABOR CODES

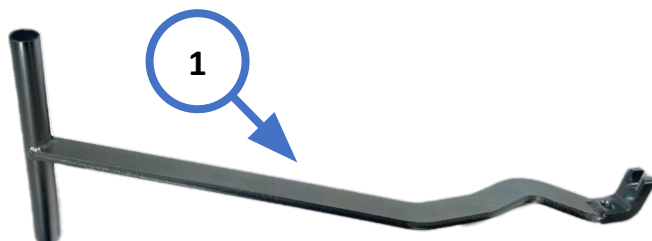
566520010 Liftgate, Lower (Remove and Replace)

566520019 Liftgate, Lower (Adjust)

567519710 Bracket, Lower Liftgate Torsion Rod (Remove and Replace)

### OTHER TOOLS REQUIRED

N/A



### COMPONENT GUIDE

ITEM	QTY	TOOL ID (RIVIAN/SUPPLIER)	DESCRIPTION
1	1	TSN01095-300-A	LOWER LIFTGATE TORSION ROD TOOL, R1S





**WARNING**

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



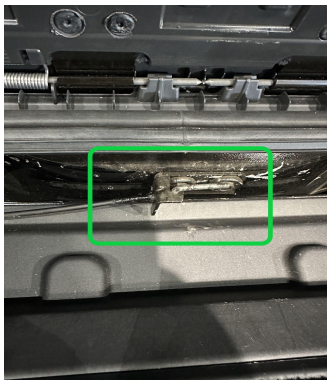
Failure to follow guidelines outlined in this document could result in injury and/or property damage.

**SAFETY GUIDELINES**


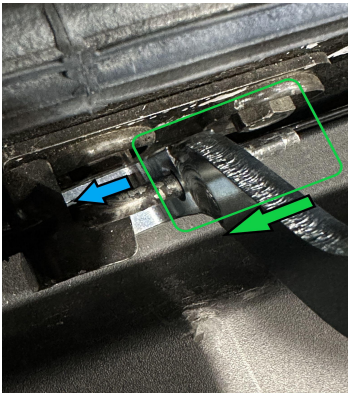
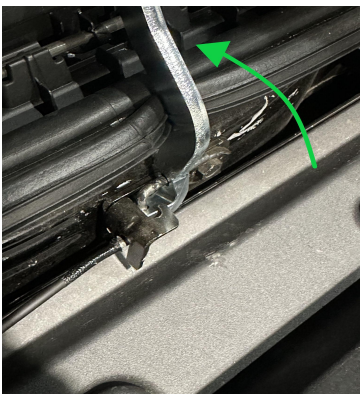
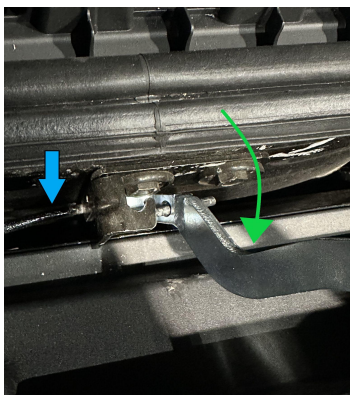
1	<p>Wear proper PPE when using tool.</p> <ul style="list-style-type: none"><li>• Eye Protection</li></ul>	
2	<p>Caution, keep hands clear of torsion rod mechanism.</p>	



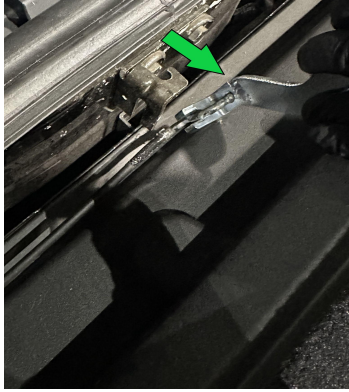
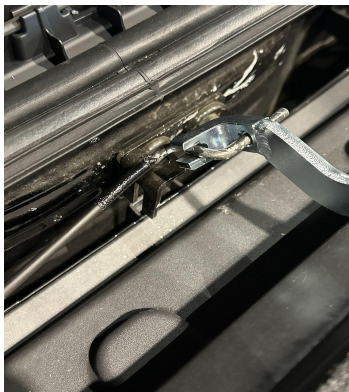
## INITIAL SETUP

1	Open up the upper liftgate to gain access to the lower liftgate assembly on the vehicle (R1S only)	 A photograph showing the upper liftgate of a vehicle's rear hatch open, revealing the lower liftgate assembly below it.
2	Lift the lower liftgate flap to gain access to the lower liftgate torque spring	 A close-up photograph of the lower liftgate flap being lifted upwards. A green arrow points to the flap, indicating the direction of movement.
3	Locate the lower liftgate torque spring mounting bracket. This is where you will use TSN01095 to release tension from the torque spring.	 A close-up photograph of the lower liftgate torque spring mounting bracket. A green rectangular box highlights the bracket, which is the point where the torque spring is attached.




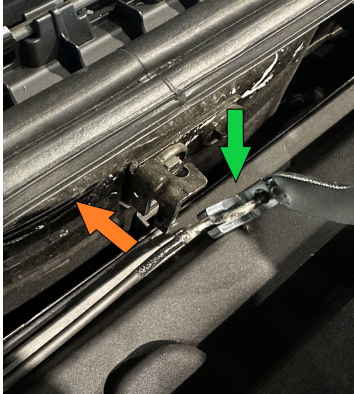

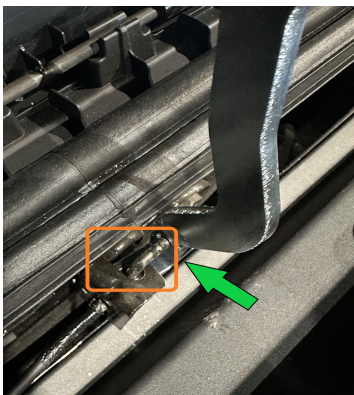
1	<p><b>Removal:</b> Slide TSN01095 to attach to the lower liftgate torsion rod.</p>	
2	<p>Match the torsion rod end to slide into the guide hole on TSN01095 and the open end notch to grab the vertical part of the torsion rod.</p>	
3	<p>Once TSN01095 is firmly connected to the torsion rod, rotate TSN01095 forward toward the liftgate opening seal to move the torsion rod away from the mounting bracket hook.</p>	
4	<p>Push the torsion rod down to release from the bottom mounting bracket hook and then rotate TSN01095 towards the back. This will fully release the torsion rod from the mounting bracket.</p>	

## TOOL USE INSTRUCTION - REMOVAL

5	<p>You may need to rotate the lower liftgate a little bit upwards and use TSN01095 to pull the torsion rod towards the rear to clear the mounting bracket.</p>	
6	<p>Using TSN01095, you can pull the torsion rod above the mounting bracket and now move forward with removing the torsion rod from the vehicle to perform repairs or adjustments to the lower liftgate.</p>	





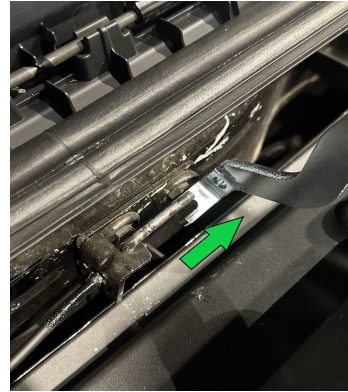
1	<p><b>Installation:</b> Slide TSN01095 to attach to the torsion rod. Match the torsion rod end to slide into the guide hole on TSN01095 and the open end notch to grab the torsion spring vertical rod.</p>	
2	<p>You will need to partially tilt the lower liftgate and push the drop gate torsion rod downwards and forwards to go below the drop gate mounting bracket</p>	
3	<p>With downward pressure on the drop gate torsion rod, position the rod into the lower vertical slot of the mounting bracket.</p>	
4	<p>Rotate TSN01095 forward with the rod under tension and hook the lower liftgate torsion rod onto the upper slot of the mounting bracket.</p>	

## TOOL USE INSTRUCTION - INSTALLATION

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With the lower liftgate torsion rod installed into the mounting bracket, you can now slide and remove TSN01095.





**BASIC MAINTENANCE GUIDE**

<b>TASK</b>	<b>FREQUENCY</b>
Visually inspect tool for any damage or broken pieces (replace immediately)	Prior to Tool Usage
Return tool back to its proper storage location	After Each Use



## SERVICE & REPLACEMENT COMPONENTS

FOR OTHER ITEMS NOT SHOWN, CONTACT RIVIAN SERVICE TOOL ENGINEERING

ITEM	DESCRIPTION	SUPPLIER + PART NUMBER
1	Lower liftgate torsion rod tool	TSN01095-300-A

*TSN01095-300 is a one piece tool. If any damage or permanent deformation to the tool is present, replace the whole tool immediately.*



## TROUBLESHOOTING

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PROBLEM	SOLUTION
Unable to attach tool to the lower liftgate torsion rod	<p>Inspect the tool for possible bend or damage to the locating hole</p> <p>Lower liftgate rod may have prior damage and be bent out of shape</p>
Unable to clear the mounting bracket	<p>Follow instructions and attempt again</p> <p>Lower liftgate mounting bracket may be bent/damaged</p>





**NOTICE**  
PPE required



**WARNING**  
Risk of minor injury

REVISION LOG

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REV	DATE	CHANGE DESCRIPTION
A	1/17/2025	Initial release

