

# TOOL USE INSTRUCTION

**RIVIAN**

TOOL NUMBER TSN01577-300

TITLE Enduro Axle Ting Washer Install Tool

REV - DATE REV A - 2/6/2025

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## TOOL FUNCTION

USED TO INSTALL AXLE TING WASHERS ON R1 AND EDV VEHICLES WITH ENDURO DRIVE UNITS



OVERVIEW

SPECIFICATIONS

Weight: 3.0 LBS  
Load Rating: N/A  
Voltage Rating: N/A

LABOR CODES

3864- Front Half Shafts  
4264- Rear Half Shafts  
RCA-

OTHER TOOLS REQUIRED

TSN00273-100-A, Dead Blow Hammer (3lb)



COMPONENT GUIDE

ITEM	QTY	TOOL ID (RIVIAN/SUPPLIER)	DESCRIPTION
1	1	TSN01577-201-A	Enduro Rear Axle Ting Washer Install Tool
2	1	TSN01577-200-A	Enduro Front Axle Ting Washer Install Tool
	1	64550,63518	Apache Waterproof Storage Case





**WARNING**

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


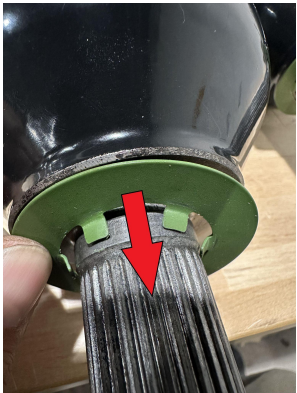
Failure to follow guidelines outlined in this document could result in injury and/or property damage.

**SAFETY GUIDELINES**

1	<p><b>CAUTION</b></p> <p>Risk of</p> <ul style="list-style-type: none"><li>• damage to vehicle or property</li><li>• voiding warranty</li></ul>	
2	<p><b>WARNING</b></p> <p>Risk of minor injury:</p> <ul style="list-style-type: none"><li>• pinching of fingers</li></ul>	
3	<p><b>DANGER</b></p> <p>Risk of major injury such as</p> <ul style="list-style-type: none"><li>• crushing / maiming of hands or fingers</li></ul>	







## INITIAL SETUP

1	Follow Service Manual instructions to remove all necessary items to gain proper access to the end of the axle assembly (knuckle side)	
2	Remove old version ting washer from axle using a small angle pry tool to bend the tabs.	
3	Slide the old version ting washer from the axle assembly	



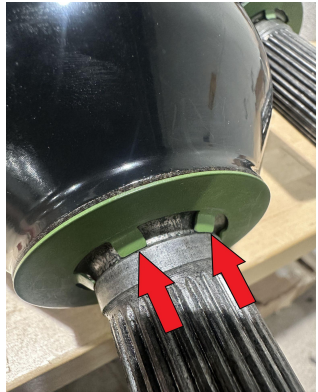


## TOOL USE INSTRUCTION (steps are similar for front and rear axle assemblies)

1	Start with the bare axle (old version ting washer removed)	
2	Slide the new ting washer to the end of the axle spline assembly up to the raised lip.	
3	Identify the appropriate ting washer installation tool to use for the axle: <ul style="list-style-type: none"><li>• TSN01577-200-A Front</li><li>• TSN01577-201-A Rear</li></ul>	
4	Slide the appropriate tool over axle shaft end. Seat the tool against the washer face.	



**TOOL USE INSTRUCTION (steps are similar for front and rear axle assemblies)**

5	Using a 3 lb. dead blow hammer, lightly tap the end of the install tool to fully seat the updated ting washer.	
6	Bottom the ting washer to the end of the axle shaft, ensure the ting washer goes over the raised lip.	
7	Remove the tool and inspect that the washer is fully seated past the raised lip of the axle.	
8	Follow the Service Manual instructions to re-assemble all removed suspension components. Torque all required parts to manufacturer specifications.	



### BASIC MAINTENANCE GUIDE

TASK	FREQUENCY
Inspect tool for any damage that may prevent it from being used effectively	Before each use
Put tool(s) back in storage container	After Each Use



## TROUBLESHOOTING

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PROBLEM	SOLUTION
Installation tool is loose around the axle spline shaft during installation	You are using the incorrect install tool for the axle.  <i>Ex: Using the Rear Installation tool on a Front axle</i>
The ting washer is not fully installing onto the axle	Use more more force with the dead blow hammer to push the washer beyond the raised lip to fully seat washer onto axle.
Install tool will not go over the axle spline shaft when using for washer installation	You are using the incorrect install tool for the axle.  <i>Ex: Using the Front Installation tool on a Rear axle</i>







**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

REVISION LOG

REV	DATE	CHANGE DESCRIPTION
A	02/06/2025	Initial release

