

# TOOL USE INSTRUCTION

<b>RIVIAN</b>	TOOL NUMBER	TSN01640-300
	TITLE	DRIVE UNIT LIFT SLING - R2
	REV - DATE	REV 1 - 4/1/2026

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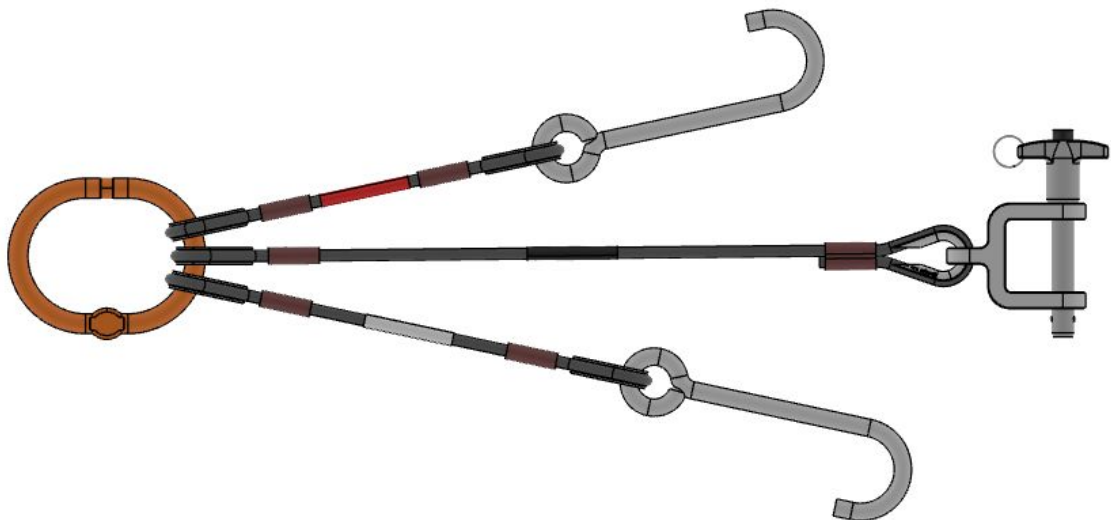
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## TOOL FUNCTION

USED TO LIFT R2 FRONT AND REAR DRIVE UNITS IN AND OUT OF SHIPPING CRATES AND SUBFRAMES.



## OVERVIEW

### SPECIFICATIONS

Weight: 1.5 kg

Overall Dimensions: 620 mm x 290 mm x 35 mm

### LABOR CODES

381010010: Drive Unit, Front (Remove and Replace)

421010010: Drive Unit, Rear (Remove and Replace)

### OTHER TOOLS REQUIRED

TSN00522 - ELECTRIC CHAIN HOIST, 2TON CAP.

TSN00523 - PORTABLE GANTRY, 2 TON CAP.

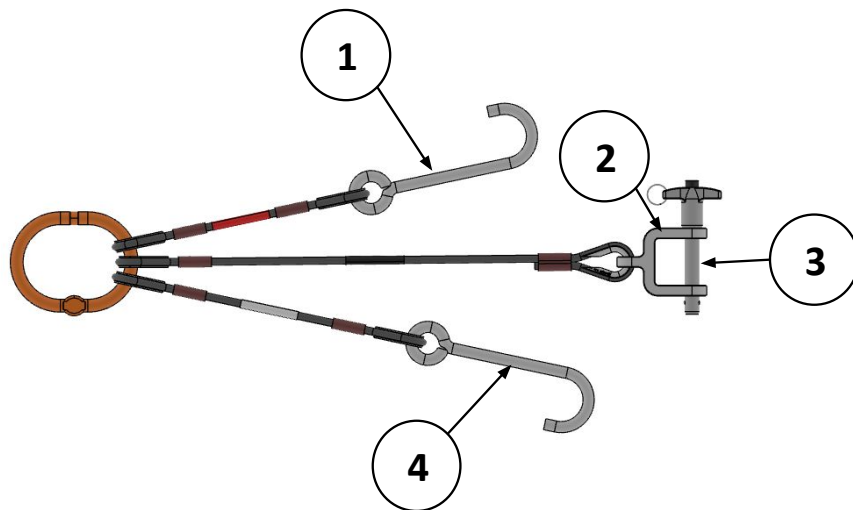
TSN01178 - DRIVE UNIT HOIST

TSN01432 - TRANSMISSION JACK - 1/2 TON CAPACITY

TSN00483 - POWERTRAIN LIFT, 2500 LB. CAP.

TSN00542 - SUBFRAME SUPPORT JIG, (R1/RPV)

### COMPONENT GUIDE



ITEM	QTY	NAME	TOOL P/N
1	1	SLING LEG 1 - RED (HOOK)	
2	1	SLING LEG 2- BLACK (LIFTING CLEVIS)	
3	1	SLING LEG 2 - BLACK (T-HANDLE LOCKING QUICK-RELEASE PIN)	
4	1	SLING LEG 3 - WHITE (HOOK)	







**WARNING**

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

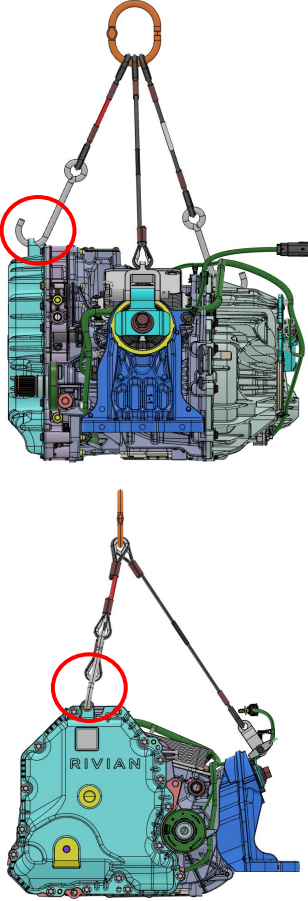
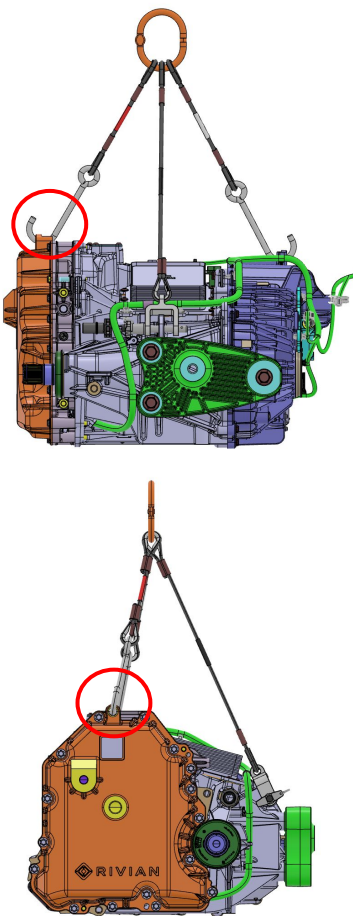
Failure to follow guidelines outlined in this document could result in injury and/or property damage.

**SAFETY GUIDELINES**

1	<b>PPE Required</b> <ul style="list-style-type: none"> <li>• Eye Protection, Gloves, Closed Toe Shoes</li> </ul>	
2	<b>DANGER:</b> <ul style="list-style-type: none"> <li>• Never lift more than the rated lift capacity labeled on the tool</li> <li>• Drive Unit Lift Sling - R2 Capacity: 287 lbs (130 kg)</li> </ul>	
3	<b>PRIOR TO USAGE:</b> <ul style="list-style-type: none"> <li>• Visually inspect Drive Unit Lift Sling - R2 for damage prior to use.</li> <li>• Verify presence of T-Handle Locking Quick-Release Pin</li> </ul>	
4	<b>CAUTION:</b> <ul style="list-style-type: none"> <li>• Do not perform procedure if any equipment is missing or damaged.</li> </ul>	

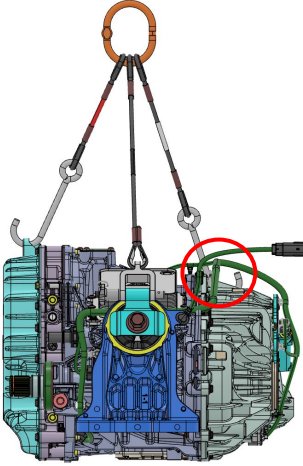
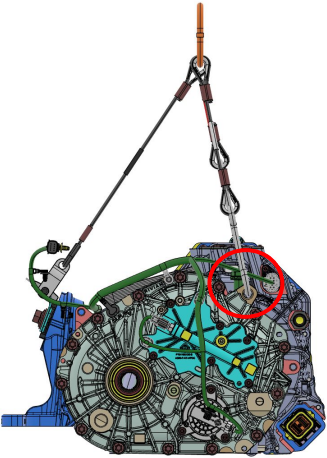
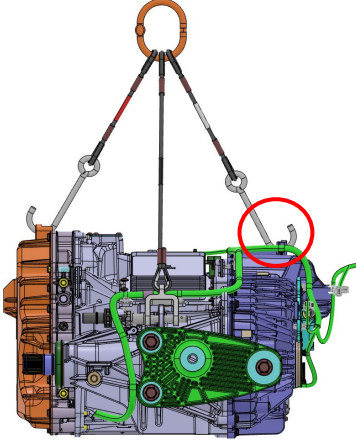
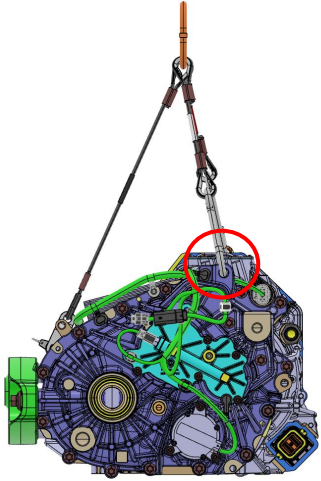


**TOOL USE INSTRUCTION**

Step	Directions	FDU Visual Aid	RDU Visual Aid
1	Place Item 1 (Red) through the designated lift point with the hook facing outward.	 <p>The FDU visual aid consists of two illustrations. The top illustration shows a front view of the engine with a yellow circle around the central lift point and a red circle around the hook of the lift chain. The bottom illustration shows a side view of the engine with a red circle around the hook of the lift chain. The engine is shown in a light blue/cyan color.</p>	 <p>The RDU visual aid consists of two illustrations. The top illustration shows a front view of the engine with a yellow circle around the central lift point and a red circle around the hook of the lift chain. The bottom illustration shows a side view of the engine with a red circle around the hook of the lift chain. The engine is shown in a brown/orange color.</p>

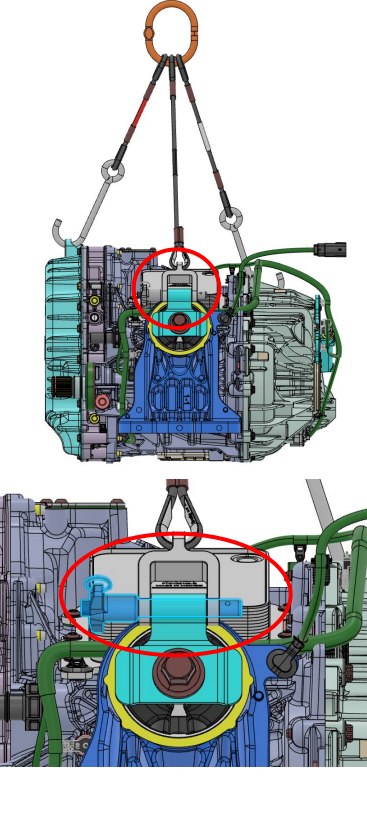
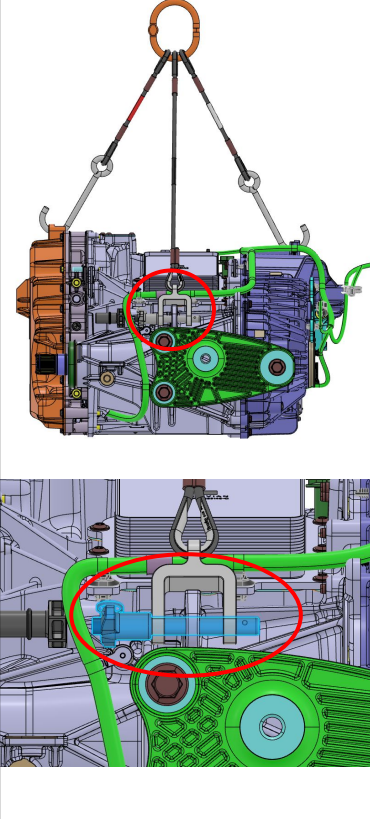


**TOOL USE INSTRUCTION**

Step	Directions	FDU Visual Aid	RDU Visual Aid
2	Place Item 4 (White) through the designated lift point with the hook facing outward.	 	 



**TOOL USE INSTRUCTION**

Step	Directions	FDU Visual Aid	RDU Visual Aid
3	<p>Place Item 3 (Black) through Item 2 and the designated lift point.</p> <p>Make sure that the Item 3 is all the way through the clevis and securely locked.</p>		



**BASIC MAINTENANCE GUIDE**

<b>TASK</b>	<b>FREQUENCY</b>
Verify all components are accounted for	Before and after every use
Inspect all components for damage	Before and after every use



## SERVICE & REPLACEMENT COMPONENTS

FOR OTHER ITEMS NOT SHOWN, CONTACT RIVIAN SERVICE TOOL ENGINEERING

ITEM	DESCRIPTION	SUPPLIER + PART NUMBER
1	T-HANDLE LOCKING QUICK-RELEASE PIN	MCMMASTER-CARR 90293A413



## TROUBLESHOOTING

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PROBLEM	SOLUTION
Drive unit is unbalanced while lifting	<p>Check that sling legs are attached to the correct locations.</p> <p>Check orientation of sling legs to make sure there are no twists and hook orientation is correct.</p> <p>Refer to steps 1-3 in tool use instructions for details.</p>





**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

**IMPORTANT**

Instructions to successfully complete a task

**NOTE**

Useful information

**REVISION LOG**

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REV	DATE	CHANGE DESCRIPTION
1	04/01/26	Initial release

