



TOOL USE INSTRUCTION

TOOL NUMBER: TSN00597-300

DATE: 3/28/2024

TITLE: RIVIAN JACK STAND

REV: 3





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I. OVERVIEW

Purpose: Used to safely jack and support Rivian vehicles from a single point

Labor Code(s): 981020017 - Raise and Support Vehicle (R1/EDV)

Tool Category: Lifting Equipment

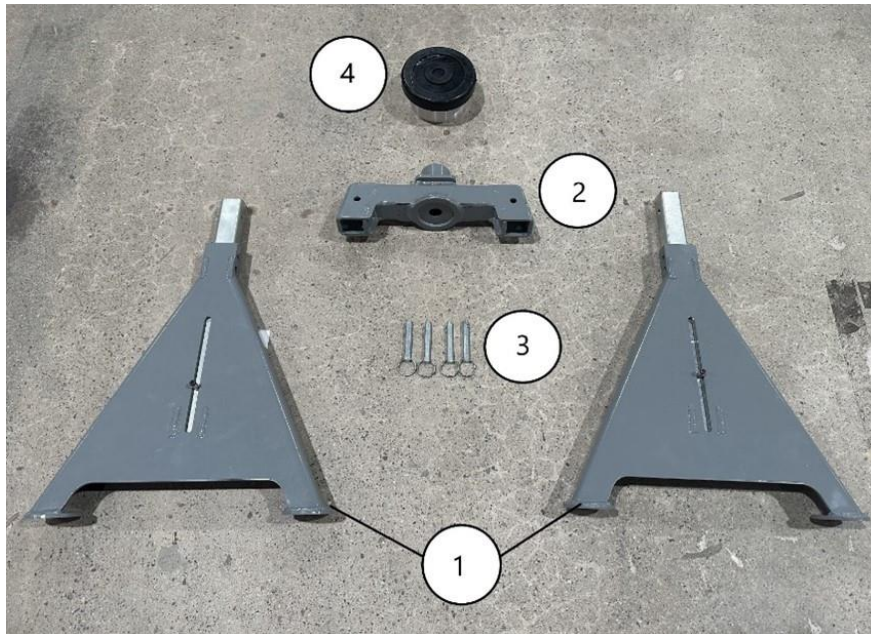
Weight: 16 kg (35 lbs)

Load Capacity: 2721 kg (6000 lbs)

Working height: 520 – 610 mm (20.5” – 24”)

Tool Components:

Item	Qty	Rivian Tool ID	Description
1	2	TSN00597-201	LEG ASSEMBLY
2	1	TSN00597-202	CROSS BAR ASSEMBLY
3	4	PRD21144315	LOCK PINS
4	1	TSN01177-300	EDV JACK ADAPTER



Recommended Floor Jacks:

Manufacturer	Model	Description
Pro Eagle	ORJ3B4X	3-TON OFF-ROAD FLOOR JACK
Martin's Industries	MFJ-3-P3T	3-TON PROFESSIONAL FLOOR JACK USED WITH JACK EXTENSION MFJ-E



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II. SAFETY GUIDELINES

 **CAUTION:** *Observe and follow the safety guidelines below. Failure to follow these guidelines could result in property damage, serious injury, or death.*



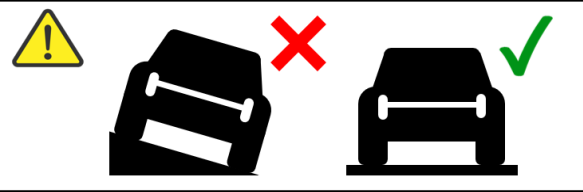
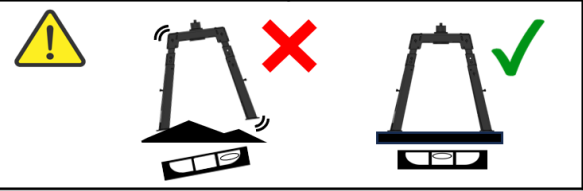
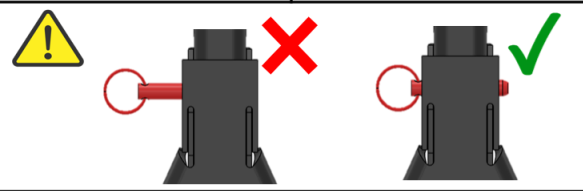
1. Understand all instructions regarding this product and the floor jack it is used with.
2. Retain instruction manual for further reference
3. Do not exceed the rated capacity of the jack stand (refer to Section I)
4. Do not allow anyone in or near the vehicle while using the jack. Sudden movement and weight shift can result in instability
5. Consult vehicle manual for designated lift points
6. Do not attempt to lift the vehicle on a side or longitudinal slope. The vehicle can slide or roll
7. Before lifting, chock the wheel diagonal to the wheel being lifted to prevent vehicle from rolling
8. Use only on a hard level surface
9. Use with a Rivian recommended jack
10. Use only with a floor jack having a 4.5" Diameter or larger saddle. Do not use with a trolley jack
11. Check for damage prior to use. Do not use if stand is damaged.
12. All lifted loads shall be secured with the Jack Stand
13. Ensure lock pins are fully engaged with jack stand before applying load
14. EDV Adapter is only to be used as shown in conjunction with the Jack Stand Crossbar

WARNING

Do not perform procedure if any components are missing or damaged
Contact Rivian Service Tooling with any questions or requests for replacement parts
ServiceToolEngineering@rivian.com

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SAFETY GUIDELINES: PICTOGRAMS

Image	Description		
<div style="border: 1px solid black; padding: 5px; background-color: #f0f0f0;"> <p>RIVIAN JACK STAND TSN00597-300-X RATED CAPACITY 6000 LB 2721 KG</p> </div>	<p>Part Description Part Number with Revision Code (X)</p> <p>Rated Capacity in lbs and kg Do not exceed rated capacity</p>		
	<p>Read this User Manual before use</p>		
	<p>Chock Wheels Before Use</p>		
	<p>Park Vehicle on Flat and Level Surface</p>		
	<p>Set Jack Stand on Flat and Level Surface</p>		
	<p>Ensure Lock Pins are Fully Engaged</p>		
<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">⚠ WARNING ⚠</p> <p style="text-align: center; font-size: small;"> READ AND UNDERSTAND ALL WARNINGS AND INSTRUCTIONS BEFORE USE FAILURE TO COMPLY WITH THESE WARNINGS MAY RESULT IN PROPERTY DAMAGE, PERSONAL INJURY AND/OR DEATH DO NOT EXCEED RATED CAPACITY USE ONLY WHEN VEHICLE IS PARKED ON HARD LEVEL SURFACE CAPABLE OF SUSTAINING LOAD CHOCK WHEELS PRIOR TO LIFTING VEHICLE SET JACK STAND LEGS TO EQUAL HEIGHT AND USE ONLY ON LEVEL GROUND ENSURE ALL LOCK PINS ARE FULLY ENGAGED BEFORE LOADING INTENDED FOR USE WITH SPECIFIED VEHICLE MODELS ONLY </p> </div>	<p>Warning Label</p>		
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%; padding: 5px;"> <p>MANUFACTURED BY:</p> <p>WINONA POWDER COATING, INC. 9876 W OLD ROAD 30 ETNA GREEN, INDIANA 46524</p> </td> <td style="width: 50%; padding: 5px;"> <p style="text-align: center;">FOR USE WITH R1T R1S EDV*</p> <p style="text-align: center;">*EDV ADAPTER MUST BE INSTALLED</p> </td> </tr> </table>	<p>MANUFACTURED BY:</p> <p>WINONA POWDER COATING, INC. 9876 W OLD ROAD 30 ETNA GREEN, INDIANA 46524</p>	<p style="text-align: center;">FOR USE WITH R1T R1S EDV*</p> <p style="text-align: center;">*EDV ADAPTER MUST BE INSTALLED</p>	<p>Manufacturers Information</p> <p>Only Approved for use with the following Rivian Vehicles R1T, R1S, EDV</p>
<p>MANUFACTURED BY:</p> <p>WINONA POWDER COATING, INC. 9876 W OLD ROAD 30 ETNA GREEN, INDIANA 46524</p>	<p style="text-align: center;">FOR USE WITH R1T R1S EDV*</p> <p style="text-align: center;">*EDV ADAPTER MUST BE INSTALLED</p>		



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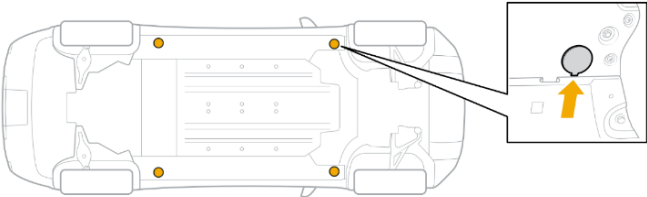
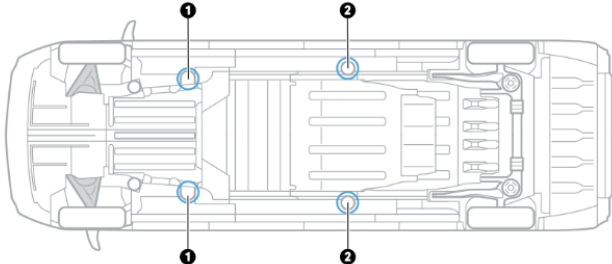

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III. OPERATING INSTRUCTIONS

STEP	DIRECTIONS	VISUAL AID						
1	Ensure that the area to perform the procedure is level and the surface is fairly smooth							
2	<p>Locate the approved jacking points to be used on the vehicle.</p> <p>R1: Remove jack point covers to gain access to lifting points</p> <p>EDV: There are cutouts on the underside panels that will help locate the placement of the EDV jack stand adaptors on the frame rail</p> <p><i>NOTE: Always refer to the service manual or owners guide in regards to any updates or revisions to these lift points</i></p>	 <p><i>R1 (T/S) Approved lifting points</i></p>  <table border="1"><thead><tr><th>Item</th><th>Description</th></tr></thead><tbody><tr><td>1</td><td>Front jack location (frame rail)</td></tr><tr><td>2</td><td>Rear jack location (frame rail)</td></tr></tbody></table>	Item	Description	1	Front jack location (frame rail)	2	Rear jack location (frame rail)
Item	Description							
1	Front jack location (frame rail)							
2	Rear jack location (frame rail)							
3	Place the cross bar within the center of the jack saddle as shown	 <p><i>Initial Setup – R1</i></p>						



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When jacking to higher positions utilize OEM extensions that are included with the jack as needed.

EDV ONLY:

Install EDV Jack Adapter when lifting EDV or RCV



Pro Eagle Jack Extension



EDV Configuration with Jack Adapter



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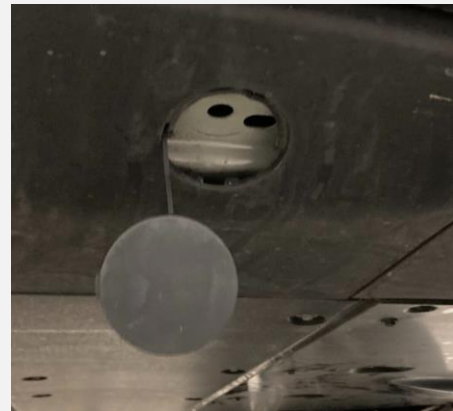
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- 4** Position the floor jack with plate under the vehicle jack point



EDV: Install EDV Jack Stand Adaptor on top of header bar

- 5** **R1:**
Raise the jack and position the Header bar center pin, into the mating hole on the vehicle frame



R1 Access Point for Jack Stand



Configuration for R1



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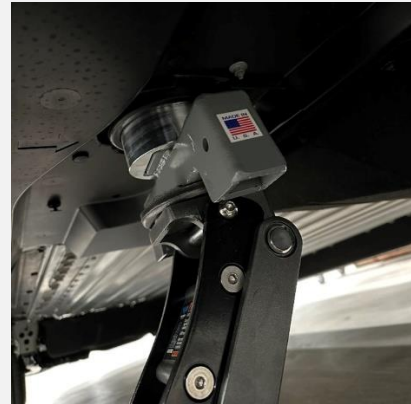
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EDV:

Raise the jack and position the Header bar with EDV Jack stand adaptor, into the flat frame surface on the EDV vehicle frame.

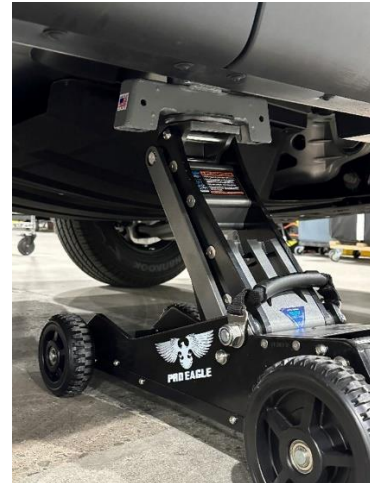
NOTE: For EDV, due to cladding clearance, you may need to position the jack under the vehicle first, then install the header bar with EDV Jack Stand Adaptor on top of the header bar



Configuration for EDV

- 6 Once the header bar has engaged the vehicle, continue to raise the floor jack.

Allow the floor jack to move with the vehicle as the jack arm raises



Lifting EDV with Jack

- 7 Once the vehicle has reached the desired height, install the legs on either side by raising the extension bar until holes in the leg are aligned with the holes in the cross bar. Insert the pin.



Jack Stand Leg Installation

8 Install lock pins on each side of the jack stand, adjusting height of the legs as desired.

⚠ CAUTION: *Ensure pins are fully engaged until key ring is seated against face of the jack stand.*

⚠ CAUTION: *Ensure both legs of jack stand are set to equal heights. Failure to do so may result in instability and loss of load.*

Double check that legs are at proper height, then slowly lower the jack until vehicle is fully supported by jack stand.

NOTE: Jack stand may splay outward slightly while load is applied



Lock Pin Engagement (both sides)



Jack Stand Supporting Vehicle


9 **TO REMOVE:**

Re-engage the jack saddle with the bottom of the cross bar, visually confirming that the center of the cross bar is fully seated within the recess of the jack saddle.

Lift the vehicle until the legs of the stand are completely off the ground. Lock jack to secure, then remove 4x pins and 2x legs from the jack stand.

Lower the jack until all 4 wheels are securely back on the ground.

Remove cross bar and adapter from jack, reinstall pins to holes in the jack stand for storage.

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IV. REPLACEMENT COMPONENT GUIDE

Rivian P/N	Description	Supplier	Supplier P/N
PRD21144315	18-8 Stainless Steel Ring-Grip Quick-Release Pin, 3/8" Diameter, 2" Usable Length. 9300lb. Break Strength	McMaster-Carr	98404A925

REVISION LOG

REV	REASON FOR CHANGE	DATE
1.0	Initial Release	2/8/2024
2.0	Added explanation of Pictograms in Safety Guidelines Section II.	3/01/2024
3.0	Updated images. Minor gramatical changes. Prep for Translation	3/28/2024