

Single Point Floor Jack and Vehicle Lift Requirements and Approved Equipment List - Rivian Commercial Van

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Revision History

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Contents

Single Point Floor Jack and Vehicle Lift Requirements and Approved Equipment List - Rivian

Commercial Van.....	1
Revision History.....	1
Symbols Used in This Guide	3
Purpose	3
Scope.....	3
Requirements	4
Industry Standards	4
Floor Jack Requirements.....	5
Lift Equipment Requirements.....	6
Rivian Approved Portable Lifting Equipment List	7
Rivian Approved Vehicle Lifts.....	8
Rivian Approved Lift Adapters.....	9

Symbols Used in This Guide

The following are the meanings of symbols used in this guide.



DANGER

Risk of major injury such as

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

Purpose

This document details the requirements for floor jacks and vehicle lifts as mandated by Rivian Automotive LLC. It also provides a recommended equipment list to ensure compliance with Rivian specifications and standards for safe and effective vehicle handling.

Scope

This standard specifies the requirements for floor jacks and vehicle lifts applicable to the following Rivian vehicles listed below. The equipment lists are intended to serve as the primary recommendations for third-party users adhering to this standard.

Vehicle Variant	Model Year
Rivian Commercial Van 500	2025 and later
Rivian Commercial Van 700	2025 and later

Requirements

Industry Standards

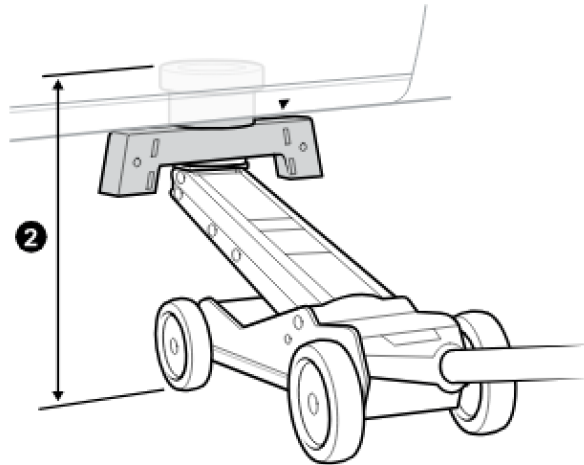
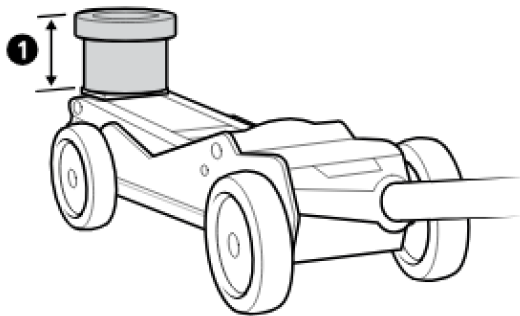
- North America
 - ASME/PASE 2019 - Portable Automotive Service Equipment
- Europe: CE Declaration of Conformity
 - Directive 2006/42/EC
 - EN 1494:2000+A1:2008 – Mobile or movable jacks and associated lifting equipment
- UK
 - Machinery Safety Regulation 2008 No. 1597

Floor Jack Requirements



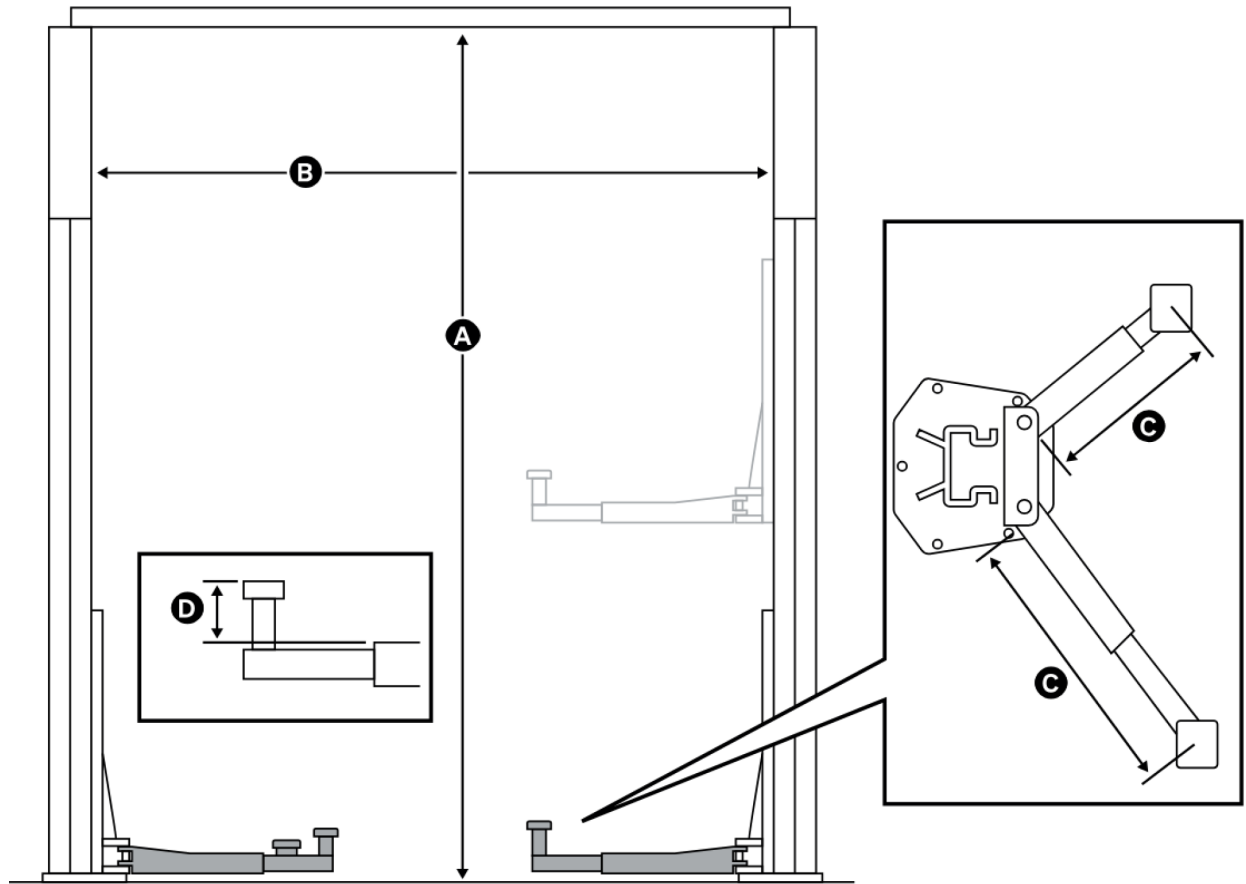
DANGER

Using incorrect lifting points can damage the vehicle or cause the vehicle to slide off the jack stand during operation. Always use the jack points identified in the Rivian Commercial Van Tow Operator Guide. Failure to do so can result in property damage, serious injury, or death.



Item	Description
Lift Capacity	3 ton (minimum)
Jack Adapter Height (1)	70 mm (minimum) 90 mm (maximum)
Jack Lift Height (2)	590 mm from the top of the saddle
Lift pad diameter	120 mm - 130 mm diameter
Lift pad material	Rubber pad. Steel pad lifts against the vehicle frame are not recommended.
Pump	Commercial or heavy service grade steel pump and hydraulic cylinder

Lift Equipment Requirements



Item	Description
Capacity	5,500 kg (12,000 lb) (minimum)
Height Clearance (A)	4,500 mm (minimum)
Width Clearance (B)	2,600 mm (minimum)
Lift Arm Length (C)	698 mm (minimum, with arm fully collapsed) 1700 mm (maximum, with arm fully extended)
Lift Adapter Height (D)	190 mm (minimum) 228 (maximum)
Lift Pad Diameter	120 - 130 mm diameter
Lift Pad Material	Rubber pad; steel lift pads against the vehicle frame are not recommended

Rivian Approved Portable Lifting Equipment List

Item	Rivian ID	Manufacturer
3-ton Lightweight Floor Jack	TSN00502-103	Norco 71331
Norco Floor Jack Extension	TSN00502-203	Norco 71303
3-Ton Lightweight Floor Jack w/ extension	TSN00502-104	Pro Eagle
3-Ton Off-Road Jack w/ extension	TSN00502-100	Pro Eagle ORJ3K
Martins 3-Ton Floor Jack	TSN00502-102	Martins Industries MFJ-3-P3T
Martins Jack Extension	TSN00502-202	Martins Industries MFJ-E
Jack Rod, Dual Lever, 3.5 Ton	TSN01284-100	AGA Tools JR814DL
Rivian Jack Stand (includes Van Jack Adapter)	TSN00597-300	Rennstand TSN00597-300

Rivian Approved Vehicle Lifts

Lift Type	Model Number	Vehicle Variant
2-Post, Tall	Rotary SPO16 (see note 1, 3) Rotary SPO12-HWR (see note 1) Note 1: Wide and 15' Extended Height Note 3: Requires special adapter NCT07237173 for Rivian Commercial Van when used with 3-stage arms	Rivian Commercial Van 500 Rivian Commercial Van 700
Alignment Rack, Scissor	Hunter RX10 Hunter RX12 Hunter RX14 Hunter RX16 Hunter L451-IS (4-Post) John Bean 12K (Scissor) John Bean 14K (Scissor) John Bean 12K (4-post) Challenger SX14	Rivian Commercial Van 500
Alignment Rack, Scissor (extended platform for Rivian Commercial Van 700)	Hunter RX16KLF (flush mount scissor) Hunter RX14KL (surface mount scissor)	Rivian Commercial Van 500 Rivian Commercial Van 700
Alignment Rack, 4-post, Extended Length Deck	Hunter L451LT-IS Rotary XA14 John Bean 15K (Extended) EELR506APKG John Bean 18K 44218Q	Rivian Commercial Van 500 Rivian Commercial Van 700

Lift Models not contained in the table above are not approved for use on Rivian vehicles without further review.

Rivian Approved Lift Adapters

Item	Part Number	For Use With
Round Lift Adapter	Various: Rotary, Challenger, Bendpak, Atlas	2-Post Lift Rivian Commercial Van - Required

Lift Pads not listed in the table above are not approved for use on Rivian vehicles without further review.