

Single Point Floor Jack and Vehicle Lift Requirements and Approved Equipment List - R1

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Revision History

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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
R1T Dual Motor	2022-2024 2025 and later
R1T Tri Motor	2025 and later
R1T Quad Motor	2022-2024 2025 and later
R1S Dual Motor	2022-2024 2025 and later
R1S Tri Motor	2025 and later
R1S Quad Motor	2022-2024 2025 and later

Requirements

Industry Standards

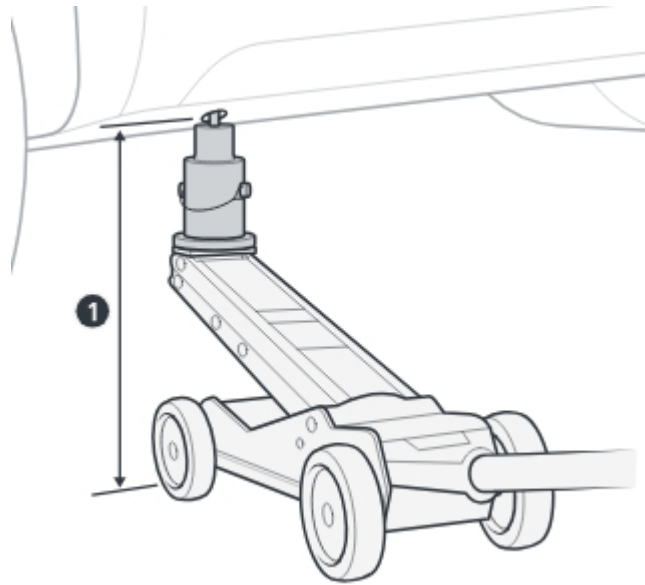
- North America
 - ASME/PASE 2019 – Portable Automotive Service Equipment
- Europe: CE Declaration of Conformity
 - Directive 2006/42/EC
 - EN 1494:2000+A1:2008 – Mobile or movable jacks and associated lifting equipment
- UK
 - Machinery Safety Regulation 2008 No. 1597

Floor Jack Requirements



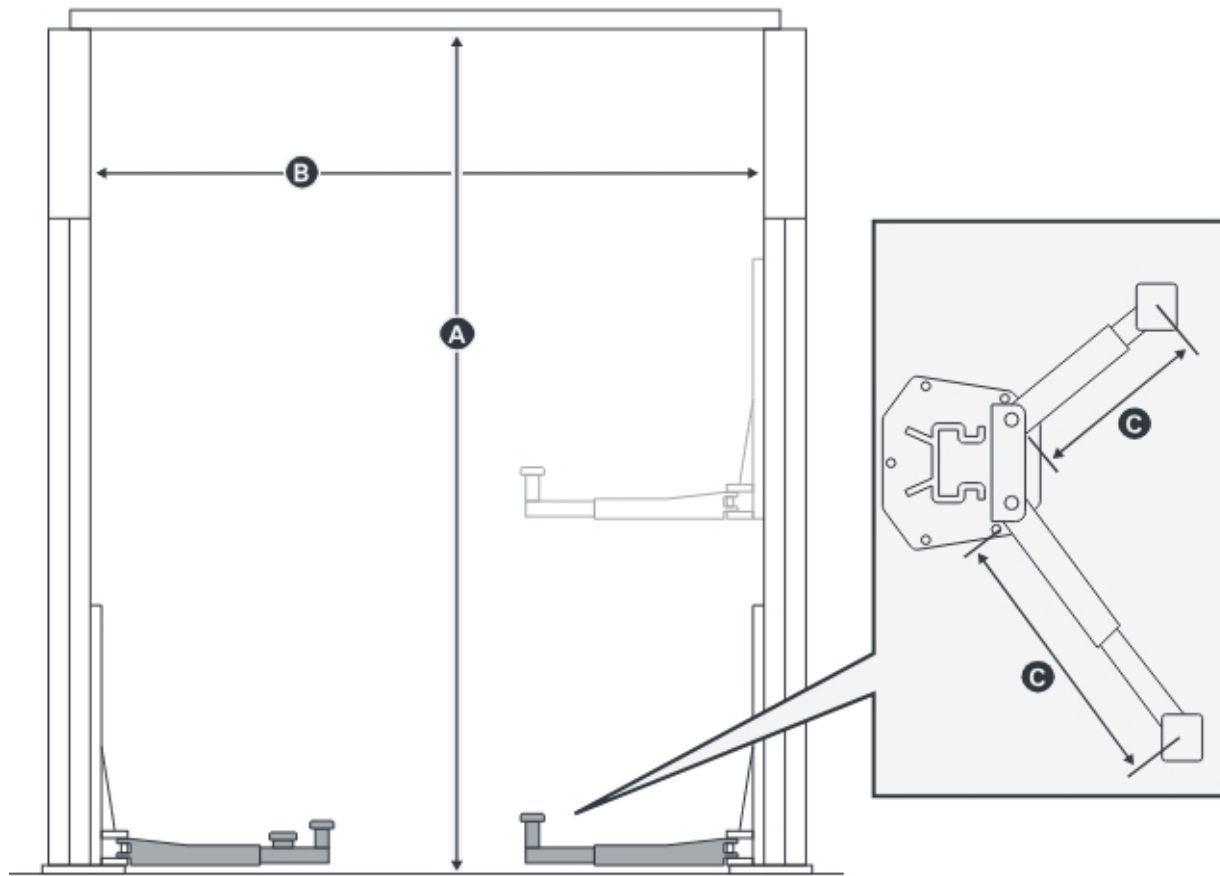
DANGER

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 R1 Tow Operator Guide. Failure to do so can result in property damage, serious injury, or death.



Item	Description
Lift Capacity	3 ton (minimum)
Jack Lift Height (1)	590 mm (minimum)
Lift pad diameter	120 mm to 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	4,536 kg (10,000 lb) (minimum)
Height Clearance (A)	3,728 mm (minimum)
Width Clearance (B)	2,915 mm (minimum)
Lift Arm Length (C)	698 mm (minimum, with arm fully collapsed) 1,700 mm (maximum, with arm fully extended)
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
Pro Eagle R1 Extension	TSN00502-200	Pro Eagle EXTRVN
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
2-Post	Rotary SPO10 Rotary SPO12
2-Post, Tall	Rotary SPO16 (see Note 1) Rotary SPO12-HWR (see Note 1) Note 1: Wide and 15' Extended Height
In-Ground 10K	Rotary SL210N1000
In-Ground 12K	Rotary SL212
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
Alignment Rack, 4-Post, Extended Length Deck	Hunter L451LT-IS Rotary XA14 John Bean 15K (Extended) EELR506APKG John Bean 18K 44218Q
Drive Over Scissor Lift	Rotary RLP77 Special w/ 15-15/16" extended length ramps

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 Use with NCT07676828
Rivian Lift Adapter, Round (set of 4)	TSN00527-302-C	2-Post Lift with Round Rubber Adapters 4-3/4" to 5-1/4" Diameter
Rivian Lift Adapter, Square (set of 4)	TSN00917-301-A	2-Post Lift with Square Adapters Rotary Flip-up Adapters Rotary EV Adapters
Lift Adapter, R1 (set of 4)	TSN00527-300-A	Used with platform scissor lift and rubber lift block

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