

1. Product description

1.1 Overview

The standard version of this vehicle support stand adjusts from 20-1/4 to 32-1/2 inches and the tall version of the stand adjusts from 35-5/16 to 55 inches in 1-inch increments, and both models of stand have a capacity of 70,000 lb (31,751 kg). These stands are designed to be used in pairs to support a vehicle for transmission removal/repair, exhaust work, shock absorber installation, etc. Each stand consists of three basic elements: the column with saddle, base, and height adjustment pin.

1.2 Safety warnings

⚠ Failure to follow all of these safety instructions can lead to severe injury or death from a sudden loss of the load. Contact the manufacturer using the contact information found at the end of this manual with any questions.

⚠ WARNING

⚠ **Before using this support stand**, be sure you have read and understood all of the instructions and warnings on the on-product labeling and in this owner's manual. See the section entitled "RESPONSIBILITIES – OWNER AND/OR OPERATOR".

⚠ **Inspect the stand before each use.** A stand must be removed from service if it appears damaged or worn, if it is operating abnormally, or if it has been subjected to an abnormal shock or load. See Section 2 of this manual for further information.

⚠ **The vehicle shall be raised only once to place support stands under the vehicle.** Carefully lower the vehicle onto all stands simultaneously. NEVER raise or lower a vehicle that is supported by stands to place additional stands. This stand may be used in pairs to support one end of a vehicle or as a minimum set of four stands with two additional stands for each additional axle assembly to support and stabilize an entire vehicle.

⚠ **Stand must only be used to support vehicles**—it should NEVER be used to support any other type of load.

⚠ **NEVER exceed the rated capacity of the support stand.** Maximum load capacity per matched pair of stands shall not exceed the capacity of an individual stand. The maximum capacity of an individual stand is 70,000 lb. (31,751 kg).

⚠ **Always use stands in matched pairs on a hard level surface capable of sustaining the load.** NEVER begin work or allow any part of your body under the vehicle until appropriate stands have been put in place and the vehicle is stable.

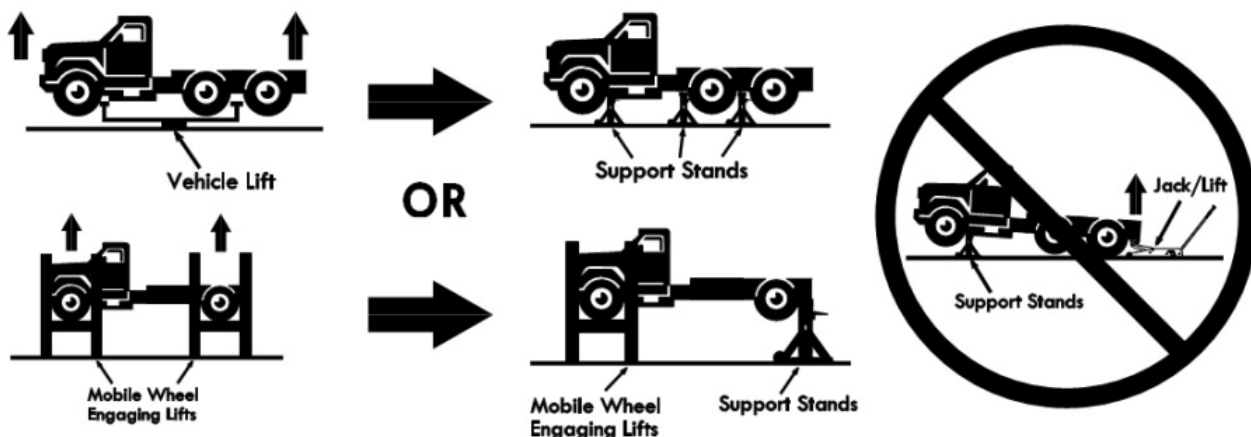
⚠ **NEVER use the air assist to lift a load.** The air assist is only for lifting and positioning the column to install the stand pins.

⚠ **NEVER use a vehicle stand with any aftermarket accessories**, lift pads, adaptors, or any other pad or device added to the stand—the center of the saddle must be in direct contact with a vehicle manufacturer's designated lift point. Refer to the vehicle manufacturer's information to aid in selecting an appropriate support point on the vehicle.

⚠ **NEVER place anything under the support stand to increase the height of the stand**—the base of the stand must always be in direct contact with the floor.

⚠ **DO NOT start engine while vehicle is supported on stands**—the vehicle could fall from the stands or expose personnel to hazards present under the vehicle.

⚠ **DO NOT make any alterations to this product.** NEVER substitute or use any other object in place of the original height adjustment pin that comes with the vehicle stand.



2. Responsibilities

2.1 Owner and/or operator

The owner and/or user of this stand must read and maintain for future reference these instructions. The owner and/or user are responsible for keeping all warning labels and instruction manuals legible and intact. Replacement labels and literature are available from the manufacturer. If support stand is being used in an occupational setting (or workplace), the employer should ensure that all personnel working with and around the stand knows of the risks associated with its use. Personnel involved in the use of this stand shall be careful, competent, trained, and qualified in the safe operation of the equipment and its proper use when servicing motor vehicles and their components. Safety information provided with this stand should be emphasized by the employer and understood by each employee. The employer must make this manual available to all personnel using this stand and all personnel must read and understand the contents of this manual. If the operator is not fluent in English, the manufacturer's instructions and warnings shall be read to and discussed with the operator in the operator's native language by the employer, making sure that the operator comprehends its contents and observes the proper procedures for use of this support stand.

2.2 Maintenance/inspection

- △ All inspection and maintenance procedures must be performed after the stand has been removed from service. Failure to do this may result in personal injury and/or property damage.
- Inspect support stand before each use. Immediately remove a stand from service and contact the manufacturer if any of the following are detected or observed: elongation or deformation of the pin holes in the posts, cracks or rust in the metal or in the welds, a bent or twisted saddle, bent legs, a bowed or broken height adjustment pin, a missing height adjustment pin, abnormal operation, excessive wear or visible damage, or any other issue that causes doubt about the ability of the stand to adequately support a vehicle.
- Any stand subjected to an abnormal load or shock load must immediately be removed from service and be inspected at the manufacturer's repair facility.
- The owner and/or user must maintain this vehicle stand. Occasionally oil height adjustment pins to prevent rust. Depending on the environment where this stand is used, it may be necessary to periodically disassemble, clean, and grease the inside of the base tube to ensure proper operation of the air assist feature. Contact the manufacturer for the proper grease and graphite mixture used to coat the inside of the base tube.

3. Operation

3.1 Using Adjustable Vehicle Support Stands

- △ Failure to heed the following operating instructions could lead to serious injury or death as a result of loss of a load—the operator and anyone in the vicinity of the raised load would be at risk.
 1. Lift the vehicle to the desired height, following the instructions provided with the lifting device used.
 2. Place each vehicle support stand carefully under a vehicle support point (as designated by vehicle manufacturer). The support point must be strong enough to safely support the weight of the vehicle.
 3. Use the air assist to extend each stand's column to a height close to an appropriate vehicle support point. Make sure each pair of stands, positioned across the vehicle center line, are at an equal height and will support the vehicle equally when the lifting device is removed. On all stands, make sure the height adjustment pin extends out both sides of the column so that the column is supported on both sides of the base.

NOTE: The air assist cylinder is equipped with a 5 psi pressure relief valve to prevent the column from lifting more than 130 lb. Once the air pressure in the cylinder exceeds 5 psi, it will bleed off. After the pressure relief valve actuates, it may allow the column to lower. This is by design and is not a problem with the stand.
 4. Slowly lower the vehicle onto the stands and make sure the vehicle support points are seated securely in the center portion of the saddle. Check the vehicle for stability. If the vehicle lift point is not located on the center of the saddle, or if the vehicle appears to be unstable, lift the vehicle off the stands and reposition them as needed to insure proper support before starting services or repairs.
 5. Remove the lifting device from the work area. NEVER begin work or allow any part of your body under the vehicle until the vehicle weight is stably supported by the vehicle support stands and the lifting device is removed from the work area.



MAHLE Aftermarket Inc.

10 Innovation Drive
York, PA 17402 U.S.A.

Phone: (800) 468-2321

Fax: (757) 755-8304

E-mail: tech.mss@us.mahle.com

www.servicesolutions.mahle.com