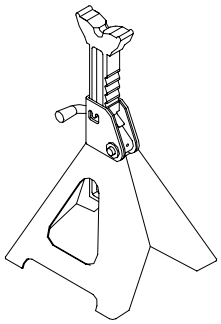
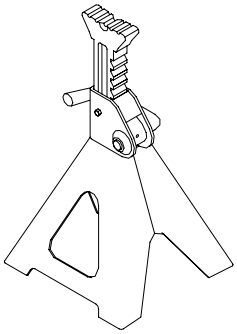
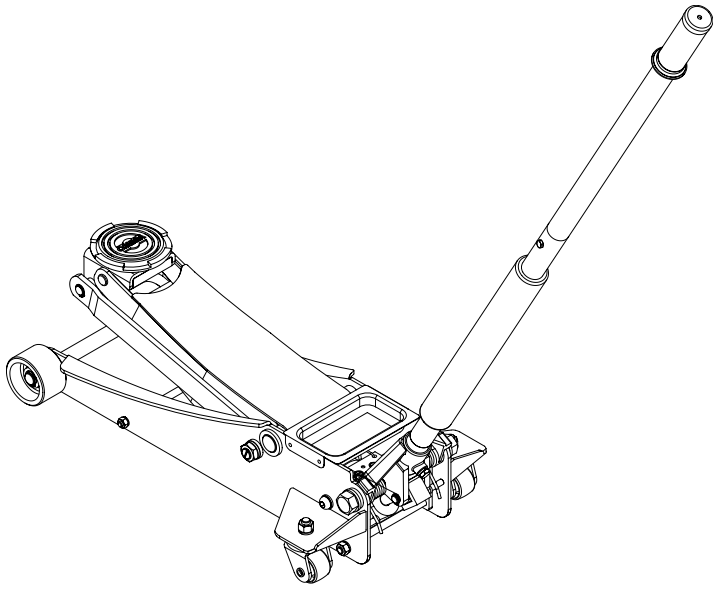
Low Profile Service Jack
Jack Stand Combo





Jack Stands



Low Profile Service Jack

U.S. Patent No. 6,199,379

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ WARNING

To avoid crushing and related injuries: NEVER work on, under or around a load supported only by a hydraulic jack. ALWAYS use a pair of adequately rated jack stands.

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SAFETY AND GENERAL INFORMATION

Save these instructions. For your safety, read, understand, and follow the information provided with and on this device before using. The owner and/or operator shall have an understanding of the device, its operating characteristics and safety operating instructions before operating the equipment. The owner and/or operator shall be aware that use and repair of this product may require special skills and knowledge. Instructions and safety information shall be read to and discussed with the operator in the operator's native language, making sure that the operator comprehends their contents, before use of this equipment is authorized. If any doubt exists as to the safe and proper use of this device, remove from service immediately.

Inspect before each use. Do not use if abnormal conditions such as cracked welds, damaged, loose or missing parts are noted. Any equipment that appears damaged in any way, is found to be worn, or operates abnormally shall be removed from service until repaired. If the equipment has been or is suspected to have been subjected to an abnormal load or shock, immediately discontinue use until inspected by a factory authorized repair facility (contact distributor or manufacturer for list of authorized repair facilities). It is recommended that an annual inspection be made by an authorized repair facility. Labels and Operator's Manuals are available from the manufacturer.

PRODUCT DESCRIPTION

This Hydraulic Service Jack is designed to lift, but not support, one end of a vehicle. Immediately after lifting, loads must be supported by a pair of appropriately rated jack stands. The Heavy Duty Jack Stands are designed to support rated capacity, partial vehicle loads consisting of one end of a vehicle. Use as a matched pair to support one end of a vehicle only.

⚠ **WARNING:** *Never use a hydraulic jack as a stand-alone device. After lifting, immediately support the lifted vehicle with a pair of appropriately rated jack stands.*

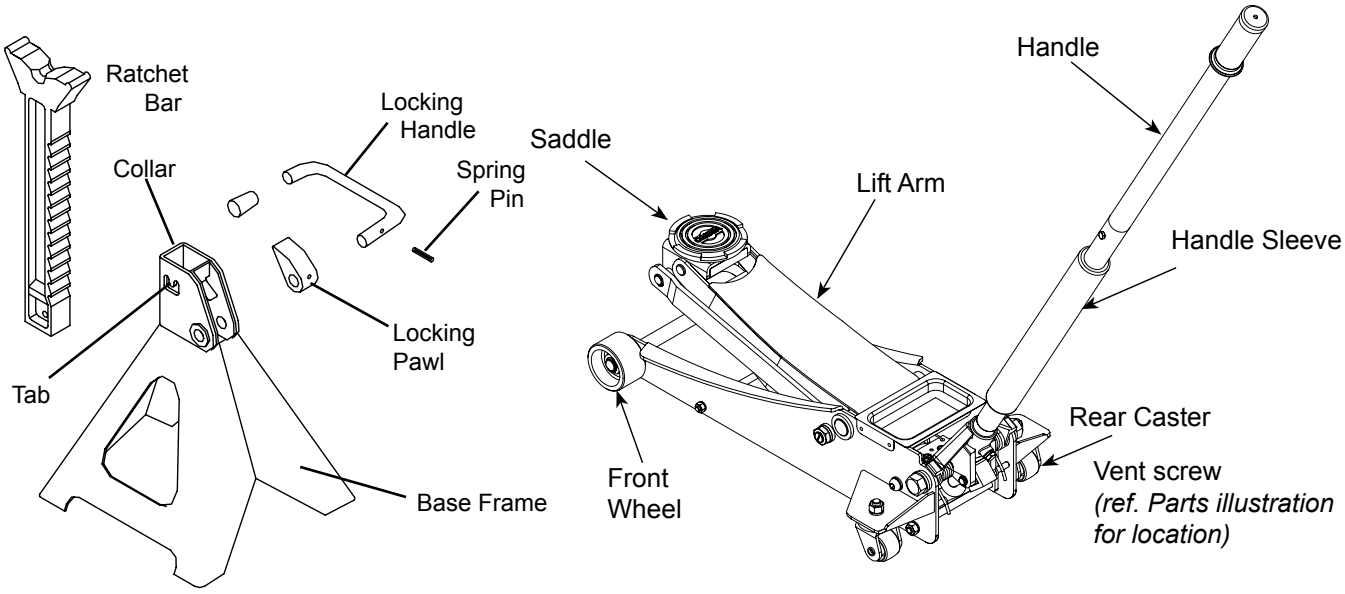
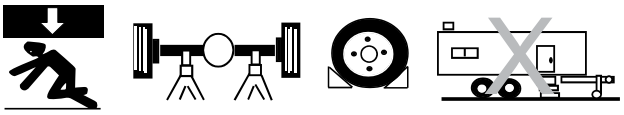


Figure 1 - Service Jack and Jack Stand Nomenclature

⚠ WARNING

- *Study, understand, and follow all instructions before operating this device.*
- *Do not exceed rated capacity.*
- *Center load on saddle.*
- *Use as a matched pair only (Jack Stands)*
- *Stands are not to be used to simultaneously support both ends of a vehicle. (Jack Stands)*
- *Use only on hard, level surface.*
- *Lifting device only. Immediately after lifting, support the vehicle with appropriate means.*
- *Do not move or dolly the vehicle while on the jack.*
- *Lift only on areas of the vehicle as specified by the vehicle manufacturer.*
- *No alterations shall be made to this product.*
- *Failure to heed these markings may result in personal injury and/or property damage.*

⚠ WARNING



To avoid crushing and related injuries:

- *Never work on, under or around a load supported only by hydraulic jack.*
- *Always use a pair of adequately rated jack stands.*
- *Chock each unlifted tire in both directions.*
- *Do not use this device to lift, level, lower, support nor move a house, mobile home, travel trailer, camper or any building structure.*
- *Be alert and sober when using this product. Do not operate under the influence of drugs or alcohol.*

SPECIFICATIONS

Item	Capacity	Size (L x W)	Min. Height	Max. Height	Weight
Service Jack	2.5 Ton	27-5/8" x 13-1/8	3-3/8"	19-1/2"	68.4 lbs
Jack Stand	3.0 Ton	7-3/4" x 6-3/4"	11-1/2"	17"	14.1 lbs

PREPARATION (SERVICE JACK)

Assembly

1. Assemble the two-piece handle with provided bolt.
2. Insert handle into the handle fork. Tighten the bolt on handle fork to prevent accidental removal of handle while in use.

⚠ **WARNING:** *Do not lift or carry jack by handle. Handle could dislodge and jack fall, resulting in possible injury or property damage.*

Before Use

1. Verify that the product and application are compatible, if in doubt call Omega Tech Service (888) 332-6419.
2. Before using this product, read the operator's manual completely and familiarize yourself thoroughly with the product, its components and recognize the hazards associated with its use.
3. To familiarize yourself with basic operation, locate and turn the release valve (handle):
   a. *Clockwise* until firm resistance is felt to further turning. This is the '**CLOSED**' release valve position used to raise the saddle.
   b. *Counter-clockwise*, but no more than 1/2 turn from the closed position. This is the '**OPEN**' release valve position used to lower the saddle.
4. With saddle fully lowered, and release valve closed, pump the operating handle. If lift arm responds immediately, jack is ready for use. If jack does not respond, follow **Bleeding/Venting Trapped Air** procedure below.
5. Ensure that jack rolls freely. Raise and lower the unloaded saddle throughout the lifting range before putting into service to ensure the pump operates smoothly. Replace worn or damaged parts and assemblies with Omega authorized replacement parts only.

Bleeding/Venting Trapped Air

With the Release Valve in the OPEN position (3b above) and Saddle fully lowered, locate and remove the Oil Filler Plug/Screw. Pump Handle 6 to 8 full strokes. This will help release any pressurized air which may be trapped within the reservoir. Check oil level and reinstall Oil Filler Plug/Screw.

PREPARATION (JACK STANDS)

Assembly (ref. Fig. 1)

1. Make sure all parts are present. If any part is missing or damaged, do not attempt to assemble or operate the product. Contact Omega Customer service (888) 332-6419.
2. Install ratchet bar into collar, ratchet portion of bar aligned with locking pawl.
3. Move the ratchet bar to its lowest position by raising the locking handle, releasing the locking pawl, and guiding the bar downward.
4. To prevent inadvertent loss of the ratchet bar, (Tools required: Hammer, Punch) Press the collar tab inward using a suitable hammer and punch.

OPERATION (SERVICE JACK)

Lifting

1. Follow the vehicle manufacturer's recommended guidelines for lifting. Engage the emergency brake and chock each unlifted wheel in both directions to prevent inadvertent vehicle movement.
2. Close the release valve by turning the handle clockwise until firm resistance is felt.
3. Refer to the vehicle manufacturer owner's manual to locate approved lifting points on the vehicle. Center jack saddle under lift point.
4. Pump handle to contact lift point. To lift, continue pumping until load reaches desired height.
5. Transfer the load **immediately** to appropriately rated jack stands.

Lowering

⚠ **WARNING:** *Clear all tools and personnel before lowering load. Open release valve slowly. The further handle is turned counter-clockwise, the faster the load will descend. Maintain control of the load at all times.*

1. Raise load high enough to clear jack stands.
2. Remove jack stands.
3. Slowly turn the handle counter-clockwise, but no more than 1/2 full turn. If the load fails to lower:
   a. Use a functioning jack to raise the vehicle high enough to reinstall jack stands.
   b. Remove the malfunctioning jack and then the jack stands.
   c. Use the functioning jack to lower the vehicle.
4. After removing jack from under the vehicle, lower lifting arm completely to reduce ram exposure to rust and contamination.

OPERATION (JACK STANDS)

⚠ **WARNING**: *Support areas of vehicle specified by vehicle manufacturer. Use ONLY on vehicles whose support points are compatible with saddle of jack stand. Incompatibility may result in structural damage to vehicle and/or jack stand.*

1. Adjust height by pulling up on ratchet bar.
2. The weight of locking handle should secure the ratchet bar in desired position. To confirm, push down on the locking handle. Ensure ratchet and locking pawl are secure before loading.
3. Carefully position jack stands so that load is centered on stand's saddle.
4. Lower the vehicle onto the stands.
5. Ensure vehicle is secure before working on, around or under. Chock all unlifted wheels in both directions to prevent inadvertent movement.

Removing Jack Stands

⚠ **WARNING**: *Clear all tools and personnel before lowering load.*

1. With suitable jack, raise vehicle clear of stands.
2. Raise locking handle and allow ratchet bar to descend to lowest position.
3. Remove jack stands, then lower vehicle with lifting device.

MAINTENANCE (SERVICE JACK)

NOTICE: *Use only good quality hydraulic jack oil. Avoid mixing different types of fluid and NEVER use brake fluid, turbine oil, transmission fluid, motor oil or glycerin. Improper fluid can cause premature failure of the jack and the potential for sudden and immediate loss of load. Premium hydraulic jack oil is recommended.*

Adding oil

1. With saddle fully lowered set jack in its upright, level position. Remove vent screw.
2. Fill with oil until ~3/16" above the inner cylinder as seen from the oil filler hole. Reinstall vent screw.

Changing oil

For best performance and longest life, replace the complete fluid supply at least once per year.

1. With saddle fully lowered, remove vent screw.
2. Lay the jack on its side and drain the fluid into a suitable container.

NOTICE: *Dispose of hydraulic fluid in accordance with local environmental regulations.*

3. Fill with oil until ~3/16" above the inner cylinder as seen from the oil filler hole. Reinstall vent screw.

Lubrication

A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that wheels, casters and pump assemblies move freely. Lubricate lift arm through grease fittings.

Cleaning

Check the pump piston and ram for signs of rust or corrosion. Clean as needed and wipe with an oily cloth.

NOTICE: *Do not use sandpaper or abrasive material on ram and pump piston surfaces.*

Storage

When not in use, store the jack with saddle fully lowered.

MAINTENANCE (JACK STANDS)

Periodically inspect each stand. Ensure all parts move freely. Do not apply oil or grease to any portion of this product. If rust appears, sand affected area and cover with suitable utility paint.

Storage

Store stands in upright position and in a clean, dry area.

TROUBLESHOOTING

Symptom	Possible Causes	Corrective Action
Jack will not lift load	• Release valve not tightly closed • Load is too heavy	• Ensure release valve tightly closed • Consider higher capacity jack
Jack will lift, but not maintain pressure	• Release valve not tightly closed • Hydraulic unit malfunction	• Ensure release valve tightly closed • Discontinue use, contact Omega Technical Service
Jack will not lower after unloading	• Reservoir overfilled • Linkages binding	• Drain fluid to proper level • Clean and lubricate moving parts
Poor lift performance	• Fluid level low • Hydraulic unit malfunction	• Ensure proper fluid level • Discontinue use, contact Omega Technical Service
Will not lift to full extension	• Fluid level low	• Ensure proper fluid level

REPLACEMENT PARTS

Not all components of the jack are replacement items, but are illustrated as a convenient reference of location and position in the assembly sequence. When ordering parts, give Model number, serial number and parts description. Individual replacement parts are not available for the jack stands. Jack stands are sold as a matched pair. For labels and owners manual, call or write for current pricing: SFA Companies, 10939 N. Pomona Ave. Kansas City, MO 64153, USA. Tel: (888) 332-6419; Fax: (816) 891-6599; e-mail: sales@omegalift.com; Website: *http://www.omegalift.com*

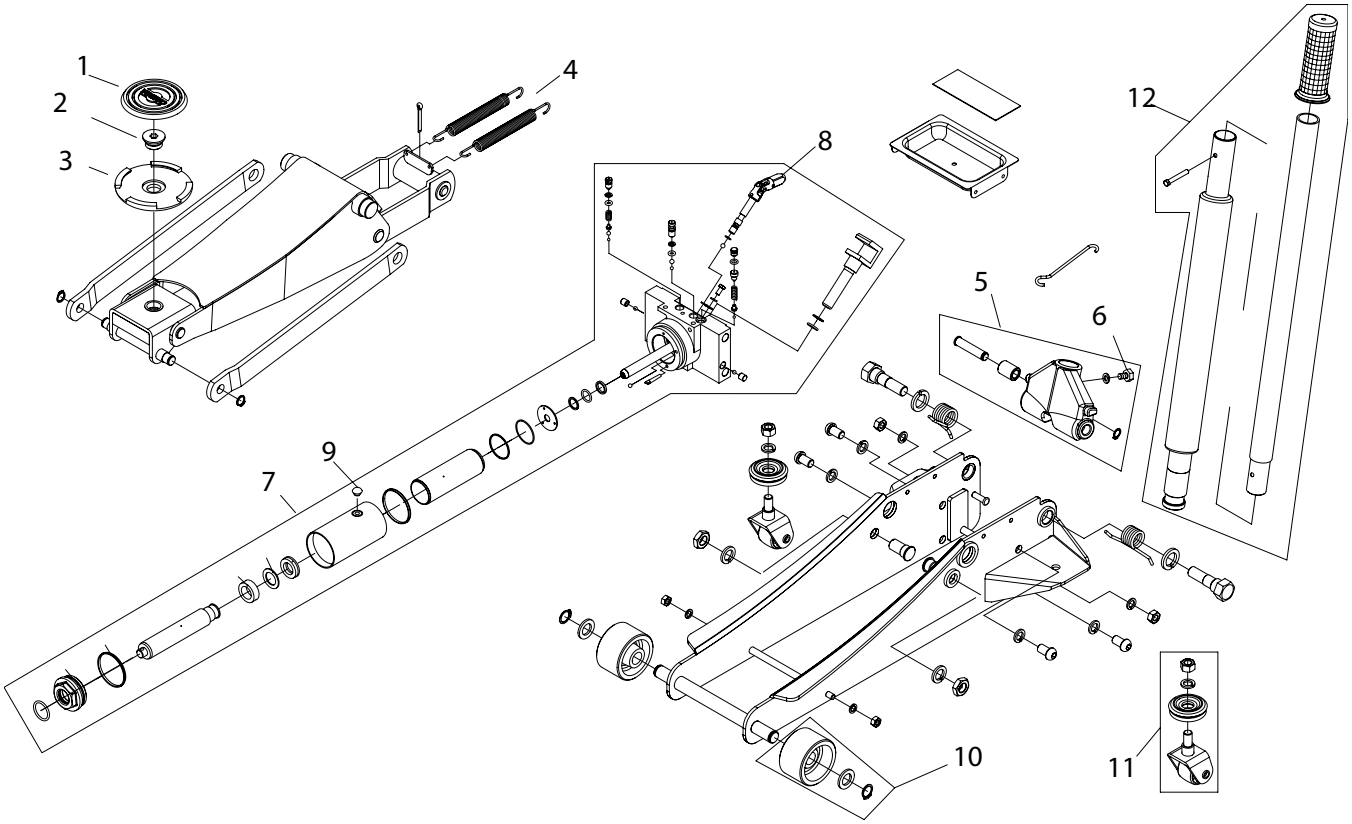


Figure 2 - Replacement Parts Illustration for Service Jack.

Item	Service Jack	Description	Qty
1	29028-1	SADDLE PAD	1
2	29028-2	SADDLE HOLDING BLOCK	1
3	29028-3	SADDLE	1
4	29028-4	RETURN SPRING	2
5	29028-5	HANDLE SLEEVE ASSEMBLY	1
6	29028-6	HANDLE LOCK FASTENER	1
7	29028-7	HYDRAULIC UNIT	1
8	29028-8	U-JOINT	1
9	29028-9	RESERVOIR PLUG	1
10	29028-10	FRONT WHEEL ASSEMBLY	2
11	29028-11	REAR CASTER ASSEMBLY	2
12	29028-12	HANDLE	1
-	29028-13	REPAIR KIT, HYDRAULIC	-

Replacement requires special skills, knowledge, and equipment. Only an authorized service center may perform the repair and/or replacement of these items.

ONE YEAR LIMITED WARRANTY

For a period of one (1) year from date of purchase, **SFA Companies** will repair or replace, at its option, without charge, any of its products which fails due to a defect in material or workmanship under normal usage. This limited warranty is a consumer's exclusive remedy.

Performance of any obligation under this warranty may be obtained by returning the warranted product, freight prepaid, to **SFA Companies** Warranty Service Department, 10939 N. Pomona Ave., Kansas City, MO 64153.

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