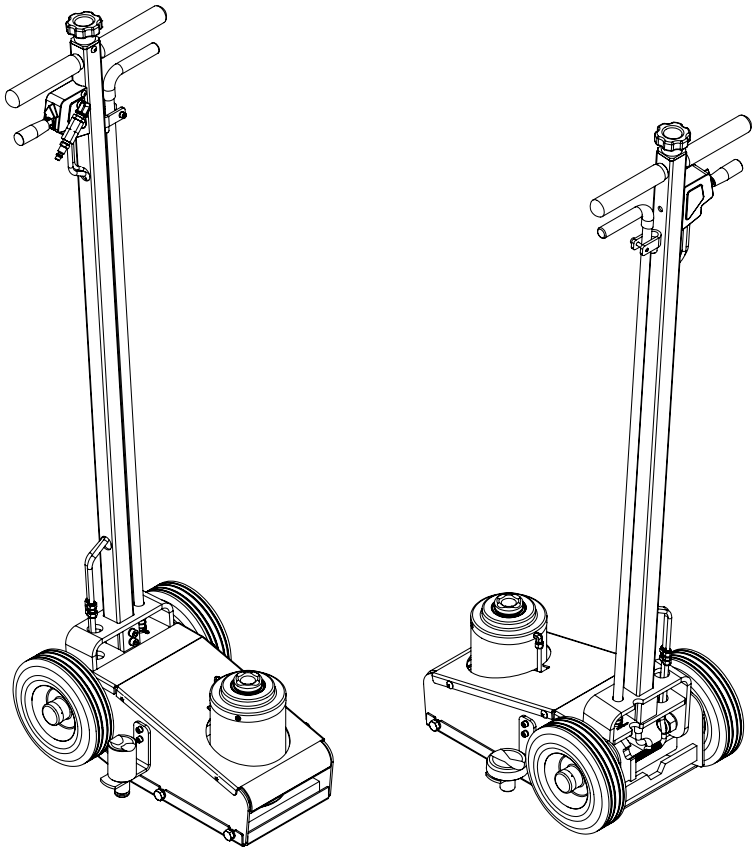
OMEGALIFT™ EQUIPMENT

Air Return Axle Jack

Model Number
23226

Capacity
22 Tons/44,000 lbs.



US Patent No. 6,012,377 & 5,946,912

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 property damage.

⚠ **WARNING:** Cancer and Reproductive Harm.
⚠ **AVERTISSEMENT:** Cancer et dommages au système reproducteur
⚠ **ADVERTENCIA:** Cáncer y daño reproductivo.
www.P65Warnings.ca.gov

SFA Companies, Inc.
10939 N. Pomona Ave.
Kansas City, MO 64153
Phone (888)332-6419, Fax (816)891-6599

Read this manual and follow all the Safety Rules and Operating Instructions before using this product.

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23226-M0_082018

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

Hydraulic Truck Jacks are designed to lift, but not support, rated capacity partial vehicle loads consisting of one end of a vehicle. Immediately after lifting, support loads with a matched pair of appropriately rated jack stands.

PREPARATION

Reference Replacement Parts pages 6 and 7 for parts location & assembly sequence. Assemble, align and insert the handle assembly and handle position bar into the handle sleeve, then tighten the bolt on handle sleeve to prevent accidental removal of handle while in use.

Before Use

1. Verify that the product and application are compatible, if in doubt call Omega Lift Technical 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 knob):
   a. *Clockwise* until firm resistance is felt to further turning. This is the '**CLOSED**' release valve position used to **raise** the load.
   b. *Counter-clockwise*, no more than 1 full turn from closed position. This is the '**OPEN**' release valve position used to **lower** the load. The further the release valve is turned counter-clockwise, the faster the load descends.
4. With ram fully lowered, remove the oil filler screw. Check oil level. Proper oil level should be just below the rim of the opening. Reinstall the oil filler screw.
5. Pour a teaspoon of good quality air tool lubricant into the air supply inlet of the lift control valve. Connect to air supply, then squeeze the lift control valve for 3 seconds to evenly distribute lubricant.

NOTICE: *These models are equipped with 1/4" NPT air couplers. If installing a different air coupler, ensure thread tape or compound is used on connections. To ensure dependable, trouble free operation an inline air dryer and oiler is recommended.*

6. Ensure that jack rolls freely. Raise and lower the unloaded ram throughout the lifting range before putting into service to ensure the jack operates smoothly. Replace worn or damaged parts and assemblies with Omega authorized replacement parts only.

Bleeding/Venting Trapped Air

1. Open oil filler plug.
2. Open release valve.
3. Activate air motor to vent air.
4. Remove set screw and use a screw driver to hold down check ball while very slowly pumping air motor until oil exiting from screw hole is steady without bubbles.
5. Reinstall set screw approximately two turns into hole (do not fully tighten).
6. Activate air motor a few additional times to vent air, while slowly tightening set screw. Ram should start to raise as screw is fully tightened.
7. Check oil level and reinstall filler plug.

SPECIFICATIONS

Model	Capacity	Base Size	Min. Height	Max. Height
23226	22 Ton	19-3/4" x 61-5/8"	10-5/8"	19-5/8"

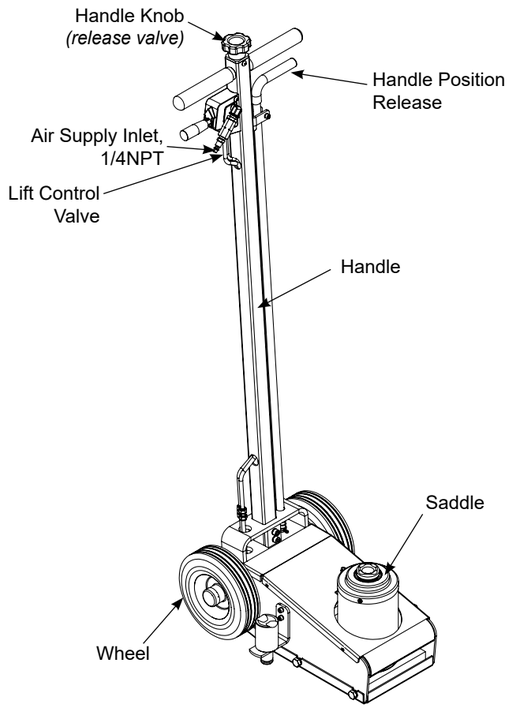
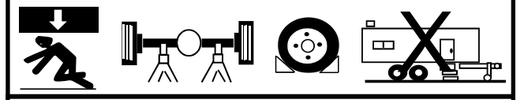


Figure 1 - Model 23226 Nomenclature

⚠WARNING

- *Study, understand, and follow all instructions before operating this device.*
- *Do not exceed rated capacity.*
- *Use only on hard, level surface capable of supporting the load.*
- *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

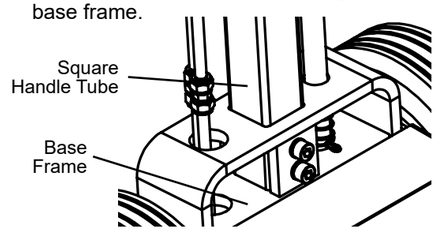


To avoid crushing and related injuries:

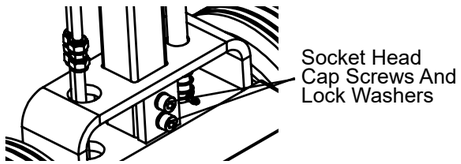
- *Never work on, under or around a load supported only by hydraulic jack.*
- *Always use adequately rated jack stands.*
- *Chock each unlifted tire in both directions.*
- *Do not use this device to lift, level, lower, support nor move a house, mobile home, travel trailer, camper or any building structure.*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

ASSEMBLY

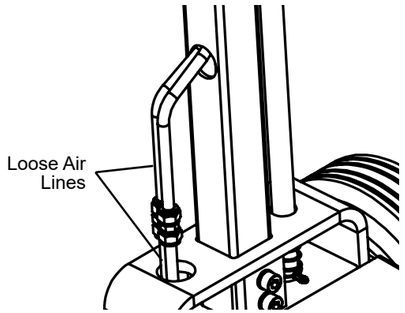
1. Remove handle and axle jack base from packaging.
2. Line up the square handle tube and the locking release member with the mating assembly on the base frame.



3. Using the provided (2) socket head cap screws and lock washers, connect square handle tube with base frame.



4. Connect the (2) loose air lines from the handle to the (2) loose air lines from the base, order is not important.



5. Ensure the handle locking lever works in all positions.
6. Connect to appropriate air supply and confirm air features work.

OPERATION (ref. Figure 1)

Lifting

NOTICE: *These jacks are equipped with handle position locks. To adjust the handle, release lock device by pulling the lever up, lever is spring loaded and will lock into desired position. Ensure lever locking mechanism is fully engaged before leaving.*

1. Connect adequate air source to the air supply inlet.
2. 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.
3. Close the release valve by turning the handle knob clockwise until firm resistance is felt.
4. Center jack saddle under lift point, then squeeze the lift control valve until saddle contacts the lift point. To lift, continue squeezing the lift control valve until load reaches desired height. Simply release your grip on the lift control valve to end lift event.
5. Transfer the load to appropriately rated jack stands.

⚠ **WARNING:** *Never wire, clamp or otherwise disable the lift control valve to function by other than operator's hand.*

⚠ **WARNING:** *Only attachments and/or adapters supplied by the manufacturer shall be used.*

Lowering

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

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

MAINTENANCE

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/ Changing Oil

For best performance and longest life, replace the complete fluid supply at least once per year.
1. With saddle fully lowered remove cover plate, then oil filler screw.
2. Lay jack on its side and drain fluid into a suitable container.

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

3. Set jack in its upright, level position.
4. Fill with oil. Proper oil level is just below the rim of the opening. Reinstall the oil filler screw.
5. Perform **Bleeding/Venting Trapped Air** procedure (page 2 & 3).

Lubrication

A periodic coating of light lubricating oil to pivot points, axles and hinges will help to prevent rust and assure that wheels move freely and the pump functions smoothly. To help ensure trouble free operation, an inline air dryer and oiler is recommended.

Cleaning

Periodically check the 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.

REPLACEMENT PARTS (ref. page 6 & 7)

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, please give the model number, part number and parts description. Call or write for current pricing: SFA Companies 10939 N. Pomona Ave. Kansas City, MO 64153, U.S.A. E-Mail: sales@omegalift.com Tel: (888) 332-6419 Fax: (816) 891-6599 Omega Website: http://www.omegalift.com

TROUBLESHOOTING

Symptom	Possible Causes	Corrective Action
Jack will not lift load	• Release valve not tightly closed • Load is too heavy • Air supply inadequate	• Ensure release valve tightly closed • Consider higher capacity jack • Ensure adequate air supply
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	• Drain fluid to proper level
Poor lift performance	• Fluid level low • Air trapped in system	• Ensure proper fluid level • Follow **Bleeding/Venting Trapped Air** procedure on page 2.
Will not lift to full extension	• Fluid level low	• Ensure proper fluid level

Parts Illustration for Model 23226:

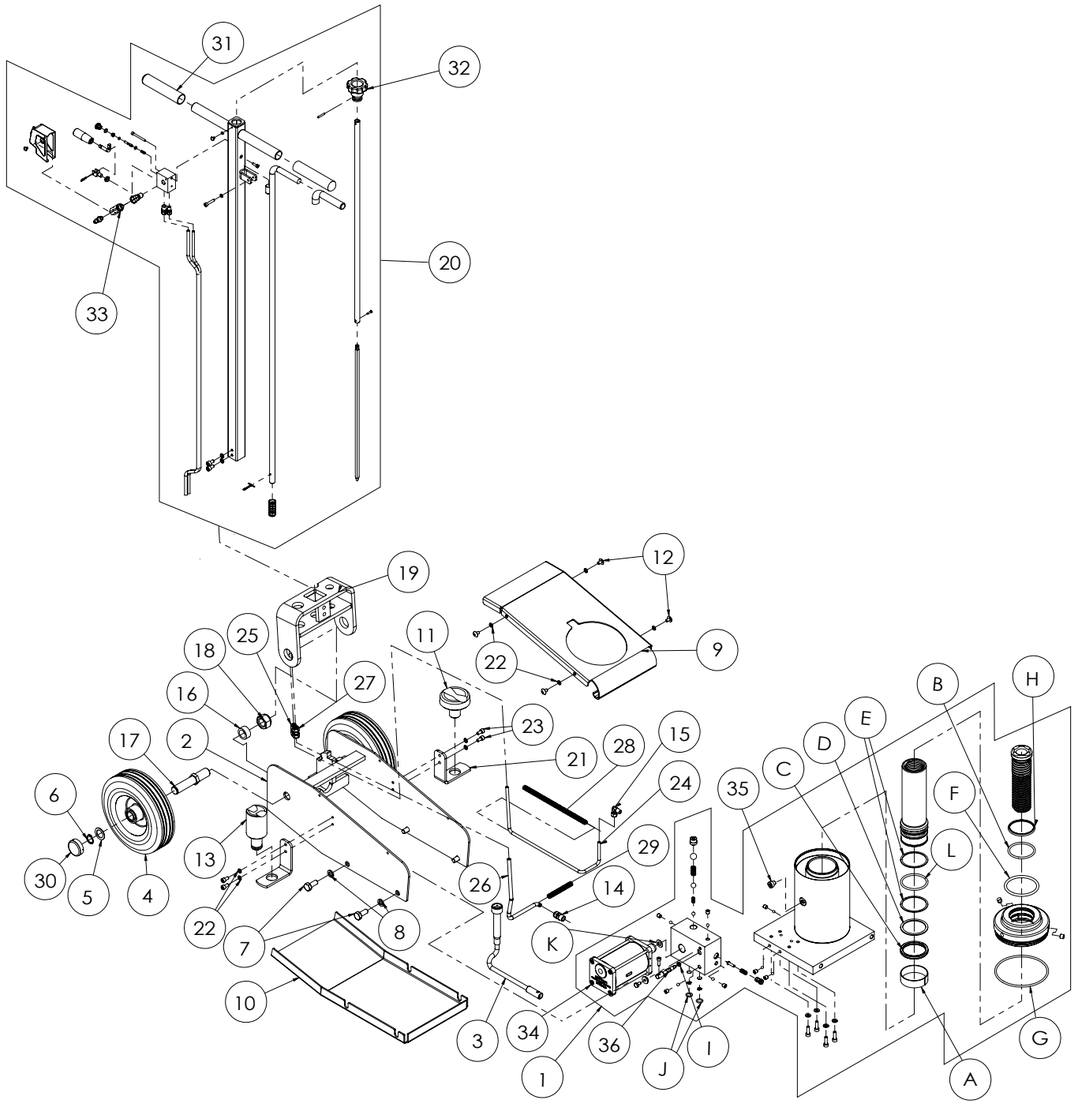


Figure 2 - Model 23226 Parts Breakdown

Replacement Parts for Model 23226:

No.	Item #	Description	Qty
1	A21-1-1002-109	Hydraulic Unit	1
2	N/A	Frame Assy.	1
3	A09-3-2800-104	Flexible Joint Assy.	1
4	A21-4-3400-109	Rubber Wheel Assy.	2
5	511-3-0202-046	Washer	2
6	667-5-0190-002	Retaining Ring "C"	2
7	653-1-0100-702	Screw	4
8	605-3-0100-506	Spring Washer	4
9	A21-5-3220-103	Cover Plate	1
10	A21-6-3214-104	Base Plate	1
11	A09-6-1103-105	Saddle	1
12	612-1-0060-808	Screw	4
13	A09-5-1104-101	Adapter	1
14	651-7-0008-105	Brass Connector	1
15	653-7-0004-101	Brass Connector	1
16	A26-6-5202-102	Bush	2
17	A26-6-3230-107	Wheel Axle	2
18	661-2-0200-100	Nylon Locking Nut	2
19	A26-3-2104-109	Handle Fork	1
20	A21-4-2200-106	Handle Assy.	1
21	A26-6-3201-100	Adapter Stand	2
22	605-3-0060-500	Spring Washer	8
23	649-1-0060-113	Hex. Socket Head Bolt	4
24	A21-6-2209-106	Air Hose	1
25	652-7-0008-102	Coupler	1
26	A21-6-2208-104	Air Hose	1
27	652-7-0005-106	Coupler	1
28	524-2-0105-005	Compression Spring	1
29	524-2-0105-106	Compression Spring	1
30	A21-6-5206-105	Wheel Axle Cover	2
31	A26-6-2404-109	Rubber Grip	2
32	421-6-2202-209	Handle Knob	1
33	A21-4-2900-104	Air Filter Assy.	1
34	G831-03200-000	Air Pump Assy.	1
35	324-4-1900-208	Filler Screw Assy.	1
36	A09-5-1701-109	Release Valve	1
*	A21-3-9902-107	Repair Kit *(includes A~L)*	1

1 YEAR LIMITED WARRANTY

For a period of one (1) years from date of purchase, **SFA COMPANIES, INC.** will repair or replace, at its option, without charge, any of its products which fails due to a defect in material or workmanship, or which fails to conform to any implied warranty not excluded hereby.

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

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