



Motorcycle / ATV Lift

Operating Instructions & Parts Manual

**Model Number
JMC1500-S**

**Capacity
1500 Lbs**



MAC TOOLS INC.

505 N. Cleveland Ave. Suite 200
Westerville, OH 43082

Save these instructions. For your safety, read, understand, and follow the information provided with and on this Lift. The owner and operator of this equipment shall have an understanding of this Lift and safe operating procedures before attempting to use. The owner and operator shall be aware that use and repair of this product may require special skills and knowledge. Instructions and safety information shall be conveyed in the operator's native language before use of this Lift is authorized. If any doubt exists as to the safe and proper use of this Lift, remove from service immediately. **Inspect before each use.** Do not use if broken, bent, cracked or damaged parts are noted. Any Lift that appears damaged in any way, or operates abnormally shall be removed from service immediately. If the Lift has been or suspected to have been subjected to a shock load (a load dropped suddenly, unexpectedly upon it), immediately discontinue use until it has been checked by an authorized factory service center. It is recommended that an annual inspection be done by qualified personnel. Labels and Owner's Manuals are available from manufacturer (see Replacement Parts, page 6).

PRODUCT DESCRIPTION

Mac Tools Motorcycle/ATV Lift is specifically designed to lift and support up to rated capacity load consisting of a single Motorcycle, ATV, Water Craft or Riding Lawn Mower whose frames are compatible with the lifting members of the Lift. Incompatibility is evident when the loaded motorcycle, ATV, etc. wobbles, feels unstable, and/or does not set securely on the lift saddles. Tying down incompatible loads will not make the loads secure and may cause unexpected loss of load resulting in personal injury and/or property damage. This Lift is NOT suitable for lifting, leveling and/or positioning cars, trucks, SUV's or conveyances other than those specifically listed and approved above. This Lift is NOT suitable for lifting, leveling and/or positioning houses, construction trailers and dwellings in general. The hydraulic unit is designed specifically for this lift. Do not use the hydraulic unit for other purposes.

SPECIFICATIONS

Model	Capacity	Base Size (LxW)	Min. Height	Max Height
JMC1500-S	1500 Lbs	37 1/4" x 15 9/16"	4 1/2"	16 12"

KNOW YOUR LIFT

Press height locking lever forward against hydraulic unit to engage locking mechanism. Pull lever back over lift pedal to disengage locking mechanism

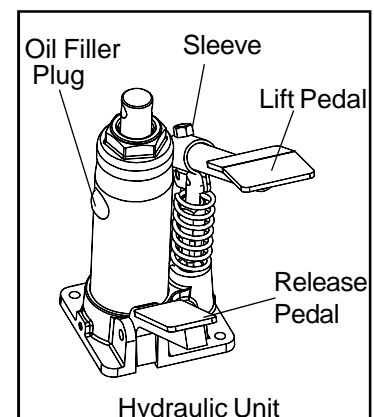
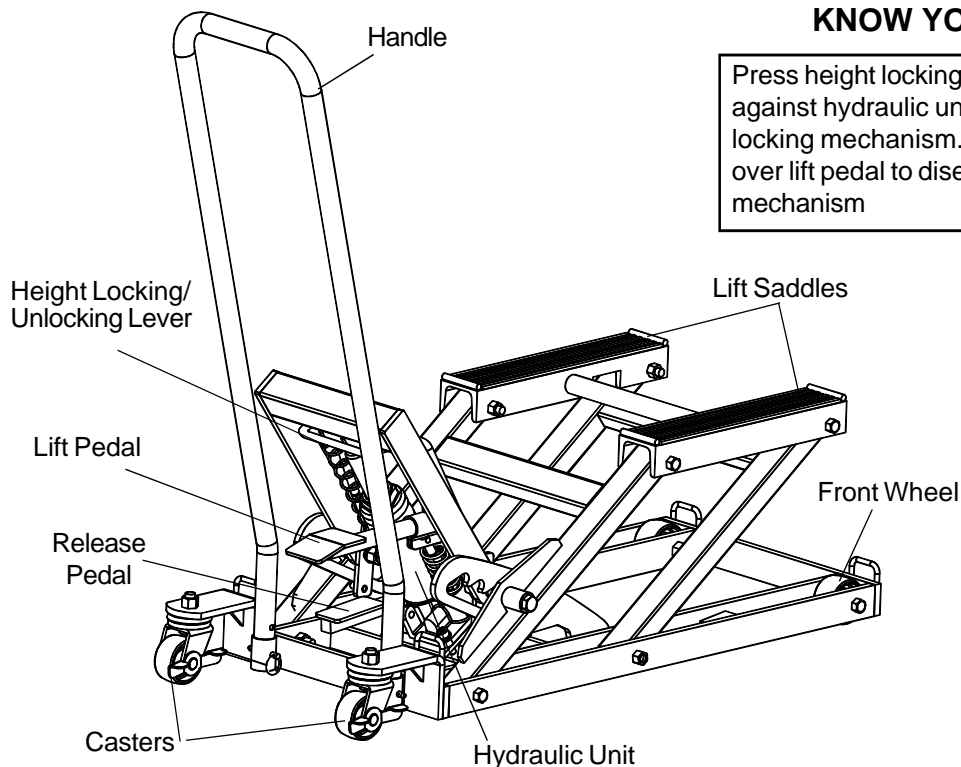


Figure 1 - Model JMC1500 Components

BEFORE USE (see Figure 1)

1. Verify that the product and the application are compatible.
2. Before assembling this product, read this operating manual completely and familiarize yourself thoroughly with the product, its components and recognize the hazards associated with its use.
3. Before assembly, place hydraulic unit in an upright, level position. Press release pedal to ensure ram is fully retracted. Locate and remove the oil filler plug. As you remove the oil filler plug you may hear pressurized air escaping from the reservoir. This means you have successfully purged trapped air from the system. Ensure the oil level is just below the oil filler plug hole. Reinstall the oil filler plug.
4. After assembly, check to ensure that lift rolls freely and that the pump operates smoothly before putting into service. Replace worn or damaged parts and assemblies with Mac Tools Replacement Parts only. (See Replacement Parts Section). Lubricate as instructed in Maintenance Section.



WARNING

- Study, understand and follow all printed materials provided with and on this device before use.
- Do not exceed rated capacity.
- Ensure load is compatible with lift saddles.
- Center load on lift saddles.
- After lifting load to desired height, ensure lift arm locking mechanism is engaged.
- Secure load to Lift using appropriate straps.
- Engage locking caster mechanism before working on or around loaded Lift.
- Move loaded Lift over smooth, level, seamless surfaces only.
- Before moving, ensure load has been lowered completely.
- Use only on hard, level surfaces capable of sustaining rated capacity loads.
- Lift only on areas of the load as specified by its manufacturer.
- Do not use for any purpose other than that for which this device is intended.
- Failure to heed these messages may result in personal injury and/or property damage.

ASSEMBLY

(refer to figure 2 and 3)

1. Install hydraulic unit into receiver and secure with provided 7.5mm x 22mm bolts.
2. Insert pin (#1 on figure 2) to connect hydraulic unit to lift arm with slot-in pin to the left as viewed from rear of lift.
3. Install return spring (#2 on figure 2) by slipping one side into slot-in pin, and the other side onto bolt stub at base on hydraulic unit.

CAUTION: Beware of tension force of return spring.

4. Install lift foot pedal into sleeve.
5. Install handle into frame and secure using the provided pins.
6. Ensure assembly rolls freely, lifts, locks, and lowers easily. Get to know how the release pedal, lift pedal, and the height locking and unlocking mechanism work prior to loading the Lift.

! SAFETY MESSAGE !

Be sure all tools and personnel are clear before lowering load. No alterations shall be made to this device. Only attachments and/or adapters supplied by the manufacturer shall be used.

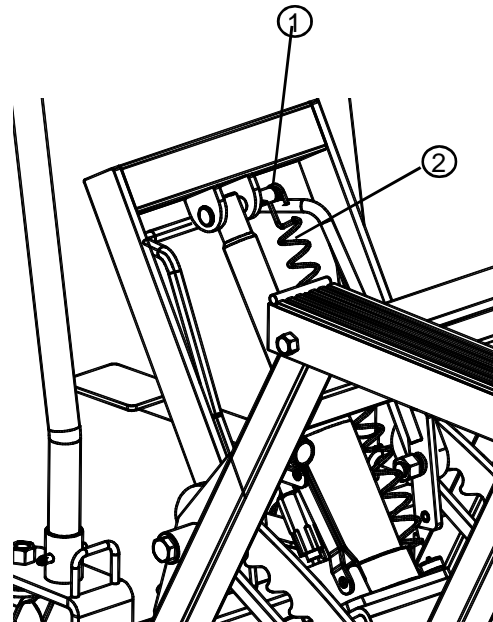


Figure 2 - Illustration for Assembly (step 2 and 3)

OPERATION

1. Position lift under appropriate lift point, centering load on lift saddle.
2. Locate and pump the lift pedal until the lift saddle comes into contact with an appropriate lift point.
3. Only after centering the load, slowly and carefully raise the lift arm by pumping the lift pedal.
4. Lock both swivel casters by pressing down on the caster lever marked 'lock'.
5. Continue pumping until the load has reached desired height. Secure the load using appropriate tie down means. Make sure that the height locking mechanism is fully engaged before working on or around the loaded Lift.
6. To lower, disengage height locking lever and depress release pedal. In some cases it may be necessary to slightly raise the lift arm before disengaging the height locking lever.

MAINTENANCE

Important: Keep lift clean and well lubricated. Apply a couple of drops of light machine oil to all pivoting joints as needed. Thoroughly wipe up excess oil to help prevent slipping and falling. Use only a good grade 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 failure of the jack and the potential for sudden and immediate loss of load. We recommend Mobil DTE 13M or equivalent.

Adding oil

1. To check hydraulic oil level, unload lift, lower lift arms completely, then remove hydraulic unit from lift. Place hydraulic unit upright on a stable, level surface. Locate and remove oil filler plug.
2. Ensure the oil level is even with the oil filler plug hole. Reinstall the oil filler plug, then install hydraulic unit onto receiver. Secure with provided bolts.

Changing oil

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

1. With saddle fully lowered, remove hydraulic unit from lift. Place hydraulic unit upright on a stable, level surface. Remove the oil filler plug.
2. Lay the unit on its side and drain the fluid into a suitable container.

Note: Dispose of used hydraulic oil in accordance with local regulations.

3. Ensure the oil level is even with the oil filler plug hole. Reinstall the oil filler plug, then install hydraulic unit onto receiver.

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.

Cleaning

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

Storage

When lift is not in use, lifting arm should be stored in the fully retracted position.

TROUBLESHOOTING

Symptom	Possible Causes	Corrective Action
Hydraulic unit will not lift load	<ul style="list-style-type: none"> • Overload condition 	<ul style="list-style-type: none"> • Remedy overload condition
Hydraulic unit bleeds off after lift	<ul style="list-style-type: none"> • Overload condition • Hydraulic unit malfunction 	<ul style="list-style-type: none"> • Remedy overload condition • Contact Mac Tools Tech. Service
Lift will not lower after unloading	<ul style="list-style-type: none"> • Reservoir overfilled • Linkages binding • Height Locking Mechanism engaged. 	<ul style="list-style-type: none"> • Drain fluid to proper level • Clean and lubricate moving parts • Disengage the height locking lever
Poor lift performance	<ul style="list-style-type: none"> • Fluid level low • Air trapped in system 	<ul style="list-style-type: none"> • Ensure proper fluid level • With ram fully retracted, follow Before Use instructions on Page 3, Step 3 to release trapped air
Will not lift to full extension	<ul style="list-style-type: none"> • Fluid level low 	<ul style="list-style-type: none"> • Ensure proper fluid level

ONE YEAR LIMITED WARRANTY

For a period of one (1) year from date of purchase, **Mac Tools Inc.** 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 **Mac Tools Inc.** Warranty Service Department, 505 N. Cleveland Ave. Suite 200 Westerville, OH 43082.

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Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

REPLACEMENT PARTS

Available Parts: Please refer to the Parts drawing when ordering 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 description below. Call or write for current pricing: Mac Tools Inc. 505 N. Cleveland Ave. Suite 200 Westerville, OH 43082. Tel: 1800-MAC-TOOL (622-8665)

Model # JMC1500-S

<u>Item#</u>	<u>Part#</u>	<u>Description</u>	<u>Quantity</u>
1	G489-24003-1000	Front Wheel	2
2	T21700-0001	Rear Caster Assembly	2
3	B70402-01	Hydraulic Unit With Foot Pedal	1
4	T21700-0003	Locking Lever Assembly	1
5	G49-3-1000-30420	Return Spring	1
-	F361-30030-0000	Oil Filler Plug (not shown)	1
-	T21700-0004	Hardware Kit (Bolts & Nuts)	-
-	JMC1500-S-L0	Label (not shown)	1
-	JMC1500-S-M0	Manual	1

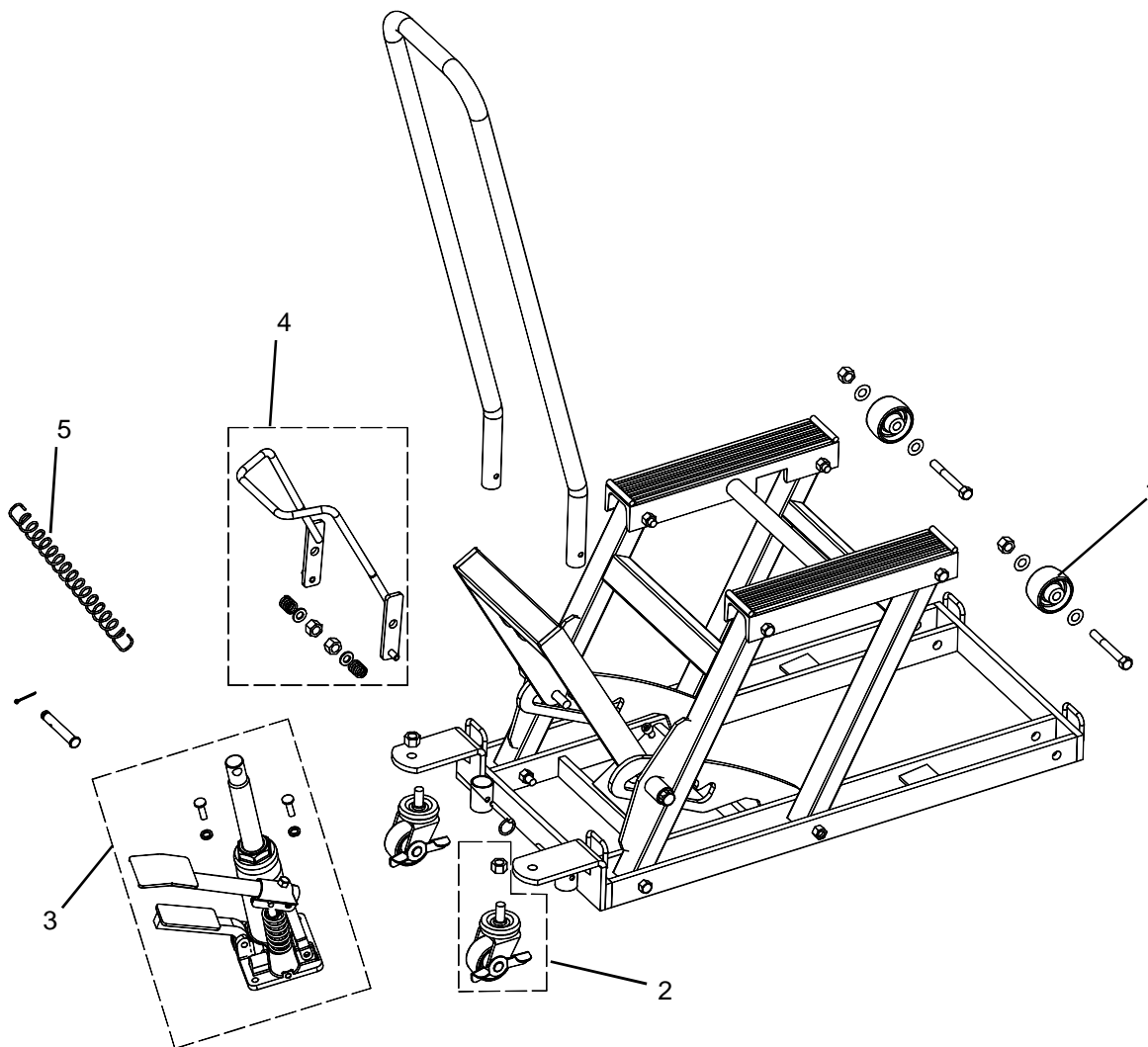
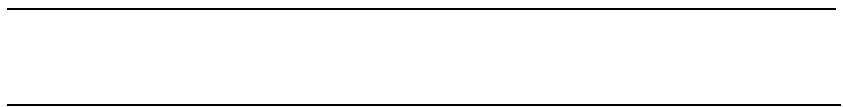
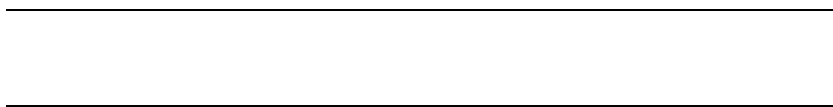


Figure 3 - Replacement Parts Illustration for Model JMC1500-S

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