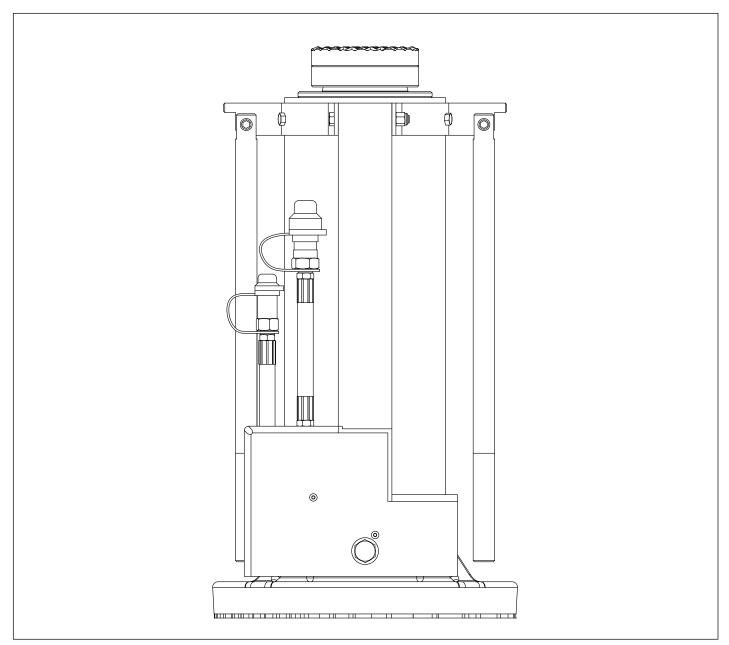


Instruction Sheet

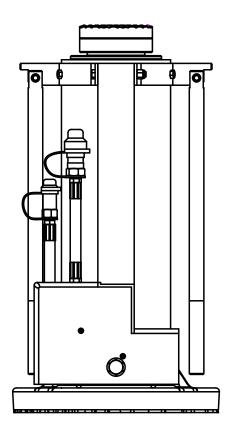
Wheel Truck Jacks Model WJ60

S54725 Rev. A 08/08



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IMPORTANT - READ CAREFULLY

This manual contains important information for the correct installation, operation and maintenance of this equipment. All persons involved in the installation, operation and maintenance of this equipment must be thoroughly familiar with the contents of this manual. To safeguard against the possibility of personal injury or property damage, follow the recommendations and instructions of this manual. Keep this manual for reference.

WARRANTY STATEMENT

ENERPAC products are warranted to be free of defects in materials and workmanship under normal use for as long as the original purchaser owns them, subject to the guidelines and limitations listed. This warranty does not cover: normal wear & tear, cosmetic items, abuse, overloading, alterations, improper fluid, or use in a manner for which they are not intended. If the customer believes a product is defective, the product must be delivered, or shipped freight prepaid, to the nearest ENERPAC Authorized Service Center for evaluation and pair.

1.0 RECEIVING INSTRUCTIONS

Important! Make sure to inspect all of the components for shipping damage. If damage is found, notify carrier at once. Shipping damage will not be covered by warranty. The carrier is responsible for all loss associated to shipping damage.

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2.0 SAFETY

Make sure to read the instructions, warnings and precautions carefully. Follow any recommended safety precautions to avoid personal injury or damage to the unit. Enerpac cannot be responsible for any damage or injury from unsafe use, lack of maintenance or incorrect operation. In the event any questions or concerns arise, contact ENERPAC or a local Distributor for clarification.

The WJ60's maximum working pressure is 4,250 PSI (293 Bar) Make sure that all hydraulic equipment such as pumps, hoses, etc. used with this WJ60 are rated at 4,250 PSI (293 Bar) operating pressure. Read all instructions, warnings, and cautions carefully. Follow all safety precautions to avoid personal injury or property damage during system operation. Enerpac cannot be responsible for damage or injury resulting

from unsafe product use, lack of maintenance or incorrect product and/or system operation. Contact Enerpac when in doubt as to the safety precautions and operations. If you have never been trained on high-pressure hydraulic safety, consult your distributor or service center for a free Enerpac Hydraulic safety course.

Failure to comply with the following cautions and warnings could cause equipment damage and personal injury.



CAUTION is used to indicate correct operating or maintenance procedures and practices to prevent damage to, or destruction of equipment or other property.

WARNING indicates a potential danger that requires correct procedures or practices to avoid personal injury.

DANGER is only used when your action or lack of action may cause serious injury or even death.

WARNING: Wear proper personal protective gear when operating hydraulic equipment.

WARNING: Stay clear of loads supported by hydraulics. A cylinder, when used as a load lifting device, should never be used as a load holding device unless it was designed for that purpose. After the load has been raised or lowered, it must always be blocked mechanically.

DANGER: To avoid personal injury keep hands and feet away from cylinder and work-piece during operation.

WARNING: Do not exceed equipment ratings. Never set the relief valve to a higher pressure than the maximum rated pressure of 4,250 PSI (293 Bar). Higher settings may result in equipment damage and/or personal injury.

CAUTION: Avoid damaging hydraulic hose. Avoid sharp bends and kinks when routing hydraulic hoses. Using a bent or kinked hose will cause severe back-pressure. Sharp bends and kinks will internally damage the hose leading to premature hose failure. Do not drop heavy objects on hose. A sharp impact may cause internal damage to hose wire strands. Applying pressure to a damaged hose may cause it to rupture.

IMPORTANT: Do not lift hydraulic equipment by the hose or couplers. Use the lifting handles to position the wheel jack.

<u>CAUTION</u>: Keep hydraulic equipment away from flames and heat. Excessive heat will soften packing and seals, resulting in fluid leaks. Heat also weakens hose materials and packing. For optimum performance do not expose equipment to temperatures of 65°C (120°F) or higher. Protect hoses and cylinders from weld spatter.

DANGER: Do not handle pressurized hoses. Escaping oil under pressure can penetrate the skin, causing serious injury. If oil is injected under the skin, see a doctor immediately.

WARNING: Only use hydraulic cylinders in a coupled system. Never use a cylinder with unconnected couplers. If the cylinder becomes extremely overloaded, components can fail catastrophically causing severe personal injury.

2.1 Safety First!

- Never exceed the rated 4,250 PSI (293 Bar) input pressure.
- Always inspect before each use, all system parts for wear, distortion, cracks or improper fit.
- Never use a cylinder that is leaking oil, replace the leaking component before use.
- Reapply dust caps to quick couplers when not in use.
- Never connect or disconnect Hydraulic Lines without releasing trapped pressure by first shifting system control valves
- Always be aware of lifting force & system pressure during operation.
- Always replace dust caps on quick couplers when not in use.
- Relieve any trapped pressure from cylinder by shifting the control valves before connecting or disconnecting PTO lines.
- Always review and understand proper use of all safety equipment before attempting to operate the cylinder.

3.0 TECHNICAL SPECIFICATIONS

- Model: WJ60
- Rated Lift Capacity: 60 tons
- Double Acting Cylinder with a pilot operated check valve
- Input power requirement: 4,250 PSI (293 Bar) Advance Retract 1,100 psi.
- * Refer to **FIGURE 1** to become familiar with the terminology and location of components to provide a better understanding of using this manual.

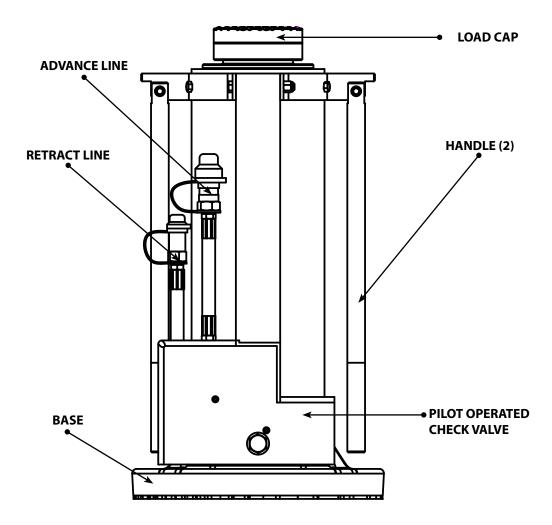


Figure 1, WJ60 Component Locations

4.0 OPERATING INSTRUCTIONS:

4.1 Setting Up The Jack:

IMPORTANT NOTE: The jack must be perpendicular to the load; jacking on an angle can result in the jack slipping out, causing loss of load and personal injury.

Once the WJ60 has been placed on a solid support surface, final positioning can be accomplished by using the handles to scoot the jack under the loads as required.

CONNECTING EXTERNAL POWER SOURCE LINES.

- 1. Remove the dust caps.
- 2. Connect the Advance and Retract Lines.

Note: To prevent contamination, ensure the couplers are free of debris before coupling together.

Refer to the external power source operating instructions for safe use.

Note: Be sure the power source has correct valving for proper operation of the equipment. Wheel Jacks are double acting and require advance and retract circuits associated with 4-way control valves. Minimum pressure to open the pilot check valve is 1,100 psi.

4.2 U-Ring Stacking Instructions (Figure 2)

Assemble u-rings on top of cylinder housing, around cylinder piston with a 1 inch thick steel u-ring.

Assemble aluminum ring or rings on top of steel ring on cylinder. Second steel ring must be on top of the aluminum rings.

Aluminum u-rings must never be on the end of a u-ring stack.

The number of aluminum u-rings depends on the u-ring set used.

Secure the load by using the proper Enerpac auxiliary u-rings and appropriate additional blocking or support stands.

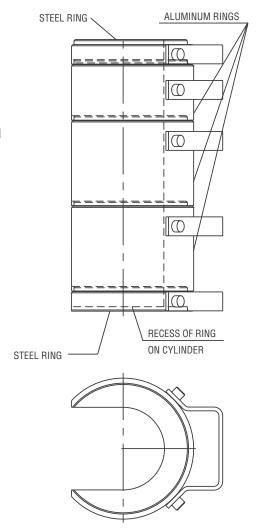


Figure 2, U-Ring Stacking Arrangement

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