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## MODEL 82304 1/2 TON CAPACITY AIR/HYD. HIGH LIFT WHEEL DOLLY SETUP OPERATING MAINTENANCE INSTRUCTIONS

Note: Revision letters (A, B, C, D etc.) after model numbers have been omitted as they do not affect the setup, operating and maintenance instructions of a particular jack unless otherwise noted.

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### IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

**BEFORE USING THIS WHEEL DOLLY, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND THEIR OPERATING PROCEDURES, SAFETY WARNINGS AND MAINTENANCE REQUIREMENTS. FAILURE TO DO SO COULD CAUSE ACCIDENTS RESULTING IN SERIOUS OR FATAL PERSONAL INJURY AND/OR PROPERTY DAMAGE.**

The use of wheel dollies is subject to certain hazards that cannot be prevented by mechanical means, but only by the exercise of intelligence, care, and common sense. It is therefore essential to have owners and personnel involved in the use and operation of equipment who are careful, competent, trained, and qualified in the safe operation of the equipment and its proper use. Examples of hazards are dropping, tipping, or slipping of loads caused primarily by improperly securing loads, overloading, off-centered loads, use on other than a hard level surface, and using equipment for a purpose for which it was not designed.

It is the responsibility of the owner to make sure all personnel read these manuals prior to using this device. It is also the responsibility of the device owner to keep these manuals intact and in a convenient location for all to see and read. If the manuals are lost or not legible, contact Norco Industries, Inc. for free replacements. If the operator is not fluent in English, the product and safety instructions shall be read to and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

### WARRANTY

This product is covered by a Limited Lifetime Warranty. For details see the back cover of Norco's product catalog.

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### WARNING

- Inspect the wheel dolly before each use. Do not use the wheel dolly if it is damaged, altered, modified, in poor condition, leaking hydraulic fluid, or has loose or missing hardware or components. Take corrective action before using the wheel dolly.
- Do not exceed rated capacity. Use only on a hard level surface.
- Stay out from underneath a load that is being lifted or suspended.
- Apply load as close to the vertical portion of the lifting member as possible.
- Before moving the load, assure that the load is centered and secured with the load restraint device provided.
- Before moving, lower the load to the lowest possible point.
- No alterations or modifications shall be made to this product.

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### SETUP

1. Insert the large diameter end of the jack handle into the pump handle receiver and secure the handle to the receiver with the washer and bolt provided.
2. Sometimes air gets trapped in the hydraulic bottle jacks causing the jack ram to extend in sporadic increments instead of one smooth extension.

#### PURGING AIR FROM THE MANUAL PUMP SYSTEM

- a. Open the release valve by turning the release valve knob in a counterclockwise direction two full turns.
- b. Pump the handle ten full strokes.
- c. Close the release valve by turning the release valve knob in a clockwise direction until tight.
- d. Pump the jack until the ram is extended to maximum height. If the condition remains, repeat steps "a" through "d" until air is purged from the system.

## OPERATING INSTRUCTIONS

1. Hydraulic bottle jacks are used on every model wheel dolly. Become familiar with the operation of the bottle jack. The jack's release valve knob must be turned in a clockwise direction until tight before the jack can be pumped. Turning the release valve knob very slowly in a counterclockwise direction lowers the load in a safe controlled manner. There should never be a reason to turn the release valve knob in a counterclockwise direction more than two full turns. The bottle jack tilts the lift arms in order to match the angle of the spindle.

2. **IMPORTANT:** Become familiar with the pedal operation of the air/hydraulic foot pump before using the wheel dolly under load. Depressing the foot pedal end marked "Pump" raises the lift arms. To raise the arms a small distance it is necessary to use incremental taps of your foot on the foot pedal until the arms reach the desired height. Lowering the arms is accomplished by depressing the foot pedal end marked "Release". The pump is equipped with a two speed release mechanism. Gently depressing the foot pedal end marked "Release" lowers the arms slower than if you depress the pedal all the way down. If you want to lower the load slower than the slow speed release, use gentle incremental taps of your foot on the "Release" pedal.

3. After the vehicle is raised and correctly blocked, push the wheel dolly in towards the tire/wheel combination to be lifted. The wheel dolly lift arms should straddle the tire and the side wall of the tire should be as close as possible to the vertical portion of the lift member. Raise the lift arms to meet the tire/s and adjust the lift arm angles so the arms are in full contact with tire/s. If the lift arms are not exactly centered on the tire/wheel, rotating the side shift knob clockwise will adjust the lift arms right and counterclockwise will shift them left.

4. Secure the tire/wheel combination to the dolly with the safety restraint chain provided. Wrap the chain around the tire and secure the chain hook or chain loop to the dolly.

5. Continue to lift the tire/wheel combination until the entire weight is supported by the dolly lift arms. Back the dolly away to remove the tire/wheel combination.

6. Slowly lower the load to the ground or desired work height. Never raise, lower or transport a load without the safety restraint chain securing the load.

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## PREVENTATIVE MAINTENANCE

1. Always store the wheel dolly in a well protected area where it will not be exposed to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements. The wheel dolly must be cleaned of water, snow, sand, or grit before using.

2. Lubricate moving parts once a month with a general purpose grease.

3. It should not be necessary to refill or top off the reservoir with hydraulic fluid unless there is an external leak. An external leak requires immediate repair which must be performed in a dirt-free environment by qualified hydraulic repair personnel who are familiar with this equipment. Norco Authorized Service Centers are recommended. **IMPORTANT: In order to prevent seal damage and hydraulic failure, never use alcohol, hydraulic brake fluid, or transmission oil in the hydraulic system.**

4. Every wheel dolly owner is responsible for keeping the dolly label clean and readable. Use a mild soap solution to wash external surfaces of the dolly but not any moving hydraulic components. Contact Norco Industries for a replacement label if your dolly label is unreadable.

5. Inspect the wheel dolly before each use. Do not use the dolly if any component is cracked, broken, bent, shows signs of damage, or leaks hydraulic fluid. Do not use the dolly if it has loose or missing hardware or components, or is modified in any way. Take corrective action before using the dolly again.

6. Do not attempt to make any hydraulic repairs unless you are a qualified hydraulic repair person that is familiar with this equipment.

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## REPAIR SERVICE

If your Norco product requires service or repair, contact the Norco Customer Service Department for the location of the nearest Norco Authorized Service Center.

Norco Industries, Inc.  
365 West Victoria St.  
Compton, CA 90220  
(310) 639-4000 • Fax: (310) 639-7411  
[www.norcoindustries.com](http://www.norcoindustries.com)

It will be necessary to provide the Norco Authorized Service Center with a copy of the bill of sale if requesting warranty repair. If the authorized service center determines your product is eligible for warranty repair, the repair will be made at no charge and returned freight prepaid. The cost of non-warrantable service, repair, and return freight is the customer's responsibility.