



PROFESSIONAL LIFTING EQUIPMENT

MODELS 82300, 82301 1 TON, 82303 1/2 TON AND 82315 3/4 TON WHEEL DOLLIES
AND 82302 1/2 TON CAPACITY 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 product unless otherwise noted.

IMPORTANT: READ THESE INSTRUCTIONS BEFORE OPERATING

BEFORE USING THIS WHEEL DOLLY, READ THIS MANUAL AND THE ADDITIONAL INSTRUCTION MANUAL ON THE WINCH (MODEL 82302 ONLY) 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

These wheel dollies are covered by a Limited Lifetime Warranty. For details see the back cover of Norco's product catalog.

 **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.

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. The models 82300 and 82301 are equipped with adjustable lift arm rollers that should be adjusted in or out depending on the wheel diameter. The wheel dolly handles can be raised or lowered to your desired height and secured with the bolts provided.
3. 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 seems better but is still detectable, 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.
2. Bottle jacks are used to lift tire and wheel combinations that are supported by the lift arms on the models 82300, 82301, 82303 and 82315. A winch is used to lift the tire and wheel combinations on the model 82302. Read the winch operations manual that accompanied this wheel dolly for instructions on the proper use and care of the winch.
3. Models 82300, 82301, 82303 and 82315 are equipped with screw adjustable rear caster/s that are manually raised or lowered to match the spindle angle. The bottle jack on the model 82302 serves the same purpose.
4. 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 the tire/s.

5. 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.
6. 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.
7. If the wheel bearings need packing, lower the tire/wheel combination to the floor, remove the safety chain and then remove the dolly. The model 82303 lift/tilt wheel dolly has a tilt feature which permits packing of wheel bearings while the tire/wheel combination remains on the dolly.
8. After packing the wheel bearings, install the wheel dolly and safety restraint chain around the tire and raise the tire/wheel combination to the required height. Adjust the lift arm tilt to match the spindle angle and install the assembly. Make sure the tire/wheel combination is securely positioned on the wheel spindle and then back the dolly away.

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, particularly the rear caster/s adjustment thread.
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 sign 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.

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

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.