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## MODEL 79324 2-1/2 TON CAPACITY ROLLING LIFT BRIDGE

### **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 DEVICE, READ THIS MANUAL COMPLETELY AND THOROUGHLY, UNDERSTAND ITS 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 rolling lift bridges 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 the load caused primarily by improper setups, overloading, off-centered loads, 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 this manual prior to using this device. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual is lost or not legible, contact Norco Industries, Inc. for a free replacement. 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

- Consult the vehicle manufacturer for proper lifting locations.
  - Inspect the bridge before each use. Do not use the bridge if it is damaged, altered, modified, in poor condition, leaking hydraulic fluid, or unstable due to loose or missing hardware.
  - Use the bridge only for its intended purpose.
  - Do not use beyond rated capacity.
  - Make sure vehicle is in park and the emergency brake is on before attempting to raise a vehicle.
  - The center saddle can only be used to lift one end of the vehicle.
  - Do not use the center saddle if the work to be performed can cause the load to transfer resulting in an off balance condition.
  - Make sure the load is centered on saddle/s before lifting.
  - Use proper saddle adjustments and optional extension screw adapters in order to prevent over extension of the bridge's ram travel.
  - Be sure setup is stable and secure before lifting.
  - Allow for a minimum 10" head and body clearance when releasing the load. Always position yourself well below the bridge's saddles.
  - Be careful of pinch points.
  - Always lower load slowly and carefully.
  - Use only Norco saddles and adapters.
  - Do not alter or modify this bridge.
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#### SETUP

1. Install the quick disconnect of your choice in the air valve at the end of the air/hydraulic pump.
2. Back off the four allen socket set screws that secure the mounting adapters to the bridge body. Lower the aboveground or in-ground lift to its lowest position. Install the bridge on the lift by extending the flat-end or hook-end mounting brackets. Make sure the spring loaded rollers in the flat-end or hook-end mounting brackets are resting on the appropriate surfaces on the lift. Consult the lift manufacturer for the proper location of the bridge/s on the lift.

NOTE: The bridge should not bottom out before the lift when the lift is lowered all the way down. Modified mounting brackets are required if the bridge bottoms out first. Consult the Norco Customer Service Dept. when modified mounting brackets are required.

3. Adjust the location of the bridge by making sure it is positioned at an equal distance from both sides of the lift. Once located, tighten the allen socket set screws that secure the mounting adapters to the bridge body.
4. Connect the shop air line to the quick disconnect.

## OPERATING INSTRUCTIONS

1. Become familiar with the operating controls of the air/ hydraulic pump. Pushing the black button near the air hose connection will raise the bridge. Lowering the bridge is accomplished by depressing the red lever lightly. Depressing the lever hard will lower the bridge and load at a fast rate of speed. Familiarize yourself with the actuation of the lowering lever before lowering the bridge under load.
  2. The locking latch lever must be manually disengaged and lowering lever depressed simultaneously in order to lower the load. If the locking latch is engaged it will be necessary to raise the load a short distance to allow for disengagement before lowering the load.
  3. Shop air pressure should not exceed 120 P.S.I. Use a separate pressure regulator for the bridge's air/hydraulic pump if the shop system pressure exceeds 120 P.S.I.
  4. With the bridge in the lowered position, push it under that portion of the vehicle to be lifted. Remember to use the vehicle manufacturer's designated lift points.
  5. The majority of lift applications require the use of two saddles. Evaluate which adjustable saddles you will use for the particular application. It may be necessary to extend the height of the saddles so no under vehicle parts or components come in contact with the bridge beam. Saddles can be extended by turning them in a counterclockwise direction and lowered by turning them in a clockwise direction. It may also be necessary to extend or retract the telescopic arms in the bridge beam so the adjustable saddles will line-up with the designated lift points.
  6. Raise the bridge slowly and in short increments to make sure the saddles are centered on the lift points. Make sure the setup is stable and the saddles are adequately engaged with the vehicle's lift points before you proceed to lift the vehicle.
  7. Lift the vehicle to the desired work height making sure the locking latch lever is engaged. If it is not engaged, raise or lower the bridge to the closest available locking lever position.
  8. Follow steps 1 and 2 under "Operating Instructions" for lowering the load.
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## PREVENTATIVE MAINTENANCE

1. Always protect the bridge from exposure to inclement weather, corrosive vapors, abrasive dust, or any other harmful elements.
  2. The bridge must be lubricated periodically with a general purpose grease so pivot points, saddle extension screws and spring loaded rollers in the extension adapters will continue to work freely.
  3. An air or hydraulic fluid 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.
  4. Every rolling lift bridge owner is responsible for keeping the bridge label clean and readable. Use a mild soap solution to wash external surfaces of the bridge but not any pneumatic or hydraulic components. Contact Norco Industries for a replacement label if your bridge's label is not readable.
  5. Inspect the bridge before each use. Do not use the bridge if any component is cracked, broken, bent, shows signs of damage, or leaks air or hydraulic fluid. Do not use the bridge if it has loose or missing hardware or components, or is modified or altered in any way. Take corrective action before using the bridge again.
  6. Do not attempt to make any repairs unless you are a qualified 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.