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## MODELS 81035 1-1/2 TON CAPACITY UNDER HOIST STAND

### 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 portable automotive lifting devices 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 motor vehicles or their components caused primarily by improperly securing loads, overloading, off-centered loads, use on other than hard level surfaces, 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

- This stand is intended to assist in stabilizing and supporting a vehicle that is raised by an in-ground or above-ground lift. Do not use this under hoist stand to support a vehicle.
  - Do not exceed rated capacity.
  - Center load on saddle.
  - Do not shock load.
  - Use stands in pairs to stabilize the vehicle before starting repairs.
  - Inspect the stand(s) before each use. Do not use a stand if it is damaged, excessively worn, altered, modified or in poor condition. Take corrective action before using the stand(s).
  - Adequately support the vehicle before starting repairs.
  - Consult the lift and/or vehicle manufacturer for the proper positioning of stands.
  - Center load on saddle. Do not use saddle's locating lugs to support the load.
  - Be sure vehicle and stand setup are stable.
  - Use only on a hard level surface.
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### SETUP

1. Install the extension screw (minor diameter end first) into the bottom of the lifting tube. Tilt the lifting tube so the extension screw slides to the opposite end of it and comes through the bearing housing, bearing races and bearing.
2. Install the support saddle on the minor diameter of the extension screw and secure it by tightening the allen socket cap screw included with the saddle.
3. You are now ready to assemble the stand. The whole stand must be assembled together loosely. All bolts, lockwashers and nuts will be tightened at the final assembly step. Install the three long brace straps on the insides of the three angled legs so the bottom of the stand forms a triangle. The holes in the brace straps should line up with the holes in the legs farthest away from the welded ends of the legs. The shortest of the three size bolts are used for this assembly and enter into the leg holes from the outside. The bolt then passes through a hole in a long brace strap and is secured with the appropriate lock washer and nut.
4. Repeat step 3 using the three shorter brace straps in the next leg hole locations.
5. Position the stand upright where the legs that extend from the long brace straps are on the floor. The next series of leg holes up from the shorter brace straps are used to attach the shortest "L" shaped brace straps and triangular flange. Make sure you use the triangular flange that does not include the receiver tube. Install the longest of the smaller diameter hex bolts through the holes in

the legs so the threaded ends are facing inbound. The bolt should then pass through the hole in the short leg of the "L" shaped brace strap and be secured with the appropriate lockwasher and nut. Assemble all three "L" shaped brace straps the same way.

6. Position the three "L" shaped brace straps so the long leg of the strap faces up. Place the triangular flange on top of the three straps where the three holes in the straps align with the three holes in the triangular flange. Secure the flange to the brace straps using the largest diameter hex bolts and the appropriate lockwashers and nuts. The hex heads of the bolts should be facing up.

7. Position the triangular flange with receiver tube on top of the welded ends of the legs. The receiver tube should be facing up. Align the holes in the triangular flange with the holes in the welded ends of the legs and secure the flange to the legs using the largest diameter hex bolts and appropriate lockwashers and nuts.

8. Install the open end of the lifting tube through the receiver tube in the top triangular flange and then through the hole in the lower triangular flange.

9. The lifting tube can be positioned at different heights in the stand by aligning any one of its holes with the holes in the receiver tube. The detent pin that is chained to the triangular flange with receiver tube can be installed through the aligned holes in order to secure the lifting tube to the stand.

10. All bolts, lockwashers and nuts must be tightened at this time.

## OPERATING INSTRUCTIONS

1. Make sure the vehicle is stable and is at the proper work height before positioning the under hoist stands.
  2. Consult the lift and/or vehicle manufacturer for the proper positioning of the under hoist stands.
  3. Become familiar with the operation of the stand. The support saddle can be lifted close to the vehicle by disengaging the detent pin that secures the lifting tube to the stand. Using one hand, raise the lift column so the saddle is close to the vehicle and align the closest hole in the lift column with the hole in the receiver tube of the triangular flange. Using the other hand, install the detent pin through the holes making sure the connection is secure.
  4. Turning the spin handle to the left or in a counterclockwise direction will raise the support saddle the additional distance required to make contact with the vehicle. It will be necessary to hold the support saddle still with one hand while spinning the handle with the other hand. When the support saddle just barely touches the vehicle, remove your hand from the saddle. Continuing to spin or turn the handle in a counterclockwise direction will add pressure against the vehicle. Remember that the stand is designed to assist in stabilizing and supporting the vehicle. Do not exert excessive lifting pressure against the vehicle as it might cause the vehicle to become unstable.
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## PREVENTATIVE MAINTENANCE

1. Always store the stand in a well protected area where it will not be exposed to inclement weather or any harmful elements. The stand must be cleaned of water, snow, sand, or grit before using.
  2. The stand must be lubricated periodically in order to prevent premature wearing of parts or rusting. A general purpose grease must be applied to the extension screw. Make sure that no lubrication or grease comes in contact with the support saddle. Always inspect the support saddle prior to use and remove any traces of a substance that could cause support saddle slippage.
  3. Every stand owner is responsible for keeping the stand label clean and readable. Use a mild soap solution to wash the external surfaces of the stand but not the extension screw. Contact Norco Industries for a replacement label if your stand's label is unreadable.
  4. Inspect the stand before each use. Do not use the stand if it is cracked, broken, bent, shows signs of thread damage, has loose or missing hardware, or is altered or modified in any way. Take corrective action before using the stand again.
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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.  
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(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.