MODEL 81050 50 TON CAPACITY TRAILER STABILIZING 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.

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.

WARNING

• This stand is intended to assist in stabilizing and supporting a trailer 
that has been disconnected from the tractor and is now supported by 
the trailer’s landing gear. Do not use this stand to support a load.  
• Do not exceed rated capacity.  
• Use only on a hard level surface.  
• Use stands on pairs.  
• Consult trailer manufacturer for proper positioning of stands.  
• Inspect 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).
• Spot trailer, set landing gear and disconnect trailer before positioning 
stands.  
• Adjust stand’s stabilizer screw so top of saddle is firmly against frame 
of trailer.  
• Always remember to remove stands before hooking tractor back up to 
trailer.

OPERATING INSTRUCTIONS

1. Spot the trailer on a flat level surface. Set the landing gear and 
disconnect the trailer.  

2. Consult the trailer manufacturer for the proper positioning of the stands 
under the trailer. The trailer must be capable of supporting its own loaded 
weight and the weight of a forklift where the stand’s saddle come in contact 
with the trailer. stands are to be used in pairs.  

3. Position the stands according to the trailer manufacturers instructions.  
TO EXTEND THE SCREW \ SADDLE ASSY  
Engage the pawl on the right side of the handle fork. Install the handle 
into the handle fork. Use the handle to operate the ratchet mechanism 
to extend the screw \ saddle assembly until it contacts the trailer frame. 
Apply enough pressure to stabilize the trailer, do not overload the 
stabilizer stand.

TO RETRACT THE SCREW \ SADDLE ASSEMBLY  
Engage the pawl on the left side of the handle fork. Install the handle 
into the handle fork. Use the handle to operate the ratchet mechanism 
to retract the screw \ saddle assembly. For safety reasons the screw \ 
saddle assembly should be completely retracted before transporting the 
trailer stand.

4. Make sure the trailer and stands are stable and secure before loading 
or unloading a trailer.

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 not readable.  

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.

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  

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.