

Little Giant Ladder Instructions

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Registered in England No. 534073 VAT Registration No. 134 1442 07

I. Description - Little Giant Ladder System®

A. The ladder is a multifunctional ladder unit comprised of three basic components-an inner ladder unit assembly and two outer unit assemblies which telescope over the inner.

1. The inner ladder assembly has 2 locking center hinges which allow the entire ladder system to be used in the following configurations:

1. A-frame
2. Extension
3. Stairwell
4. Scaffolding trestles
5. Storage

CAUTION: SCAFFOLDING TRESTLE CONFIGURATION ONLY TO BE USED WITH
OPTIONAL WORK PLATFORM SPREADER ATTACHMENT.

2. Locking mechanisms on the two outer assemblies of the ladder permit the outer telescoping sections of the ladder to be adjusted in length. This lock tab assembly fits in any rung of the inner ladder, allowing foot-by-foot adjustment on either end of the ladder.

B. The inner and outer side rails are made of aircraft grade aluminum.

1. There are slip-resistant aluminum rungs on both inner and outer assemblies.
2. Both inner and outer assemblies are finished with slip-resistant feet.

WARNING: INSPECT UPON RECEIPT AND BEFORE EACH USE. NEVER USE A DAMAGED OR BROKEN LADDER

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II. Operating and Adjusting The Ladder

- A. The Hinge- located at the top of the ladder when it is in storage position, permits you to alter the shape of the ladder. This hinge locks in the following positions (See Figures A-1, A-2, and A-3).



Figure A-1



Figure A-2



Figure A-3

1. Unlock the hinge by pushing straight in on the Palm Button until it stays in the open position on both hinges (See Figures A-4 and A-5).

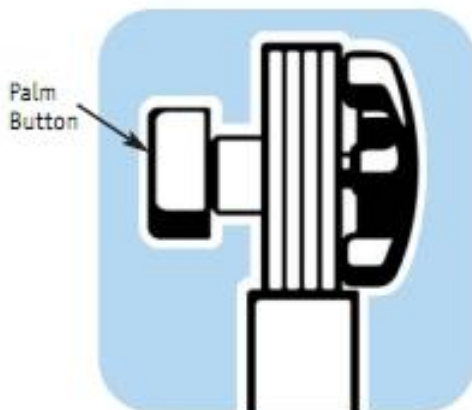


Figure A-4
LOCKED

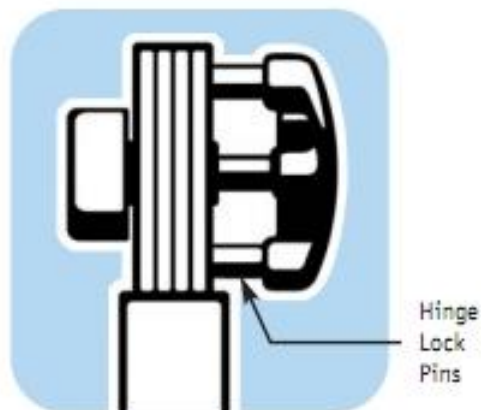


Figure A-5
UNLOCKED

- a. **NOTE** - If there is pressure on hinge lock pins it will be difficult to unlock the hinge. To relieve pressure, simply adjust one half of the ladder back and forth until hinge lock pins move without force.
- b. **NOTE** - DO NOT FORCE HINGE LOCK in or out with any tools as it will cause permanent damage to the hinge mechanism. It should never require more than light pressure to unlock the hinge if the holes are properly aligned.

2. You may now open the ladder to the A-frame position by pulling the two ladder

Assemblies out of the rung holes of the inner ladder and rest them on the side of the outer ladder rail (See figures C-1).

3. Raise the inner ladder up to the desired height.
4. At the desired height align the outer holes with the nearest rung hole of the inner ladder assembly.
5. Holding the inner and outer ladder at the aligned height with one hand, reinsert the opposite Lock Tab Assemblies into the rung holes with the other hand.

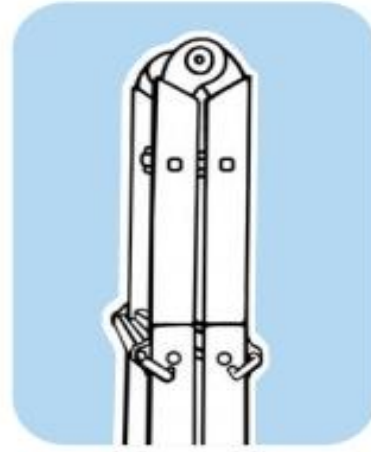
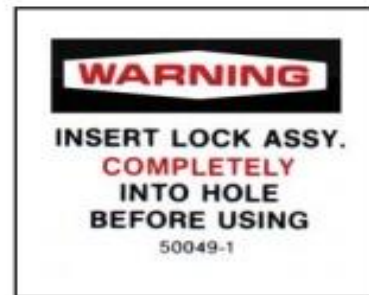


Figure C-3

WARNING: LOCK TAB ASSEMBLIES MUST BE INSERTED INTO AN INNER LADDER ASSEMBLY RUNG HOLE. FAILURE TO DO SO MAY RESULT IN INJURY.

6. Alternate hands and perform the same operation with the other Lock Tab Assemblies (See figure C-3).
7. Open the ladder to the A-frame configuration by pulling the ladder halves apart until the hinges lock into place (See figure A-2 and A-4).

CAUTION: HEED THE WARNING ABOVE EACH LOCK ASSEMBLY



8. To return the ladder to the storage position, reverse the procedures and position as seen in Figure A-1.

D. Adjusting the height of the ladder in its extension ladder position.

1. From its stored position, unlock hinge (as indicated in figures A-4 & A-5) and rotate to extension position until both hinges lock into place.

NOTE: Hinge will first lock in A-frame position, repeat unlocking hinge to rotate it's extension position.

2. Unlock Lock Tab Assemblies on upper half



Figure D-1

of the ladder. Grasp the outer ladder, walk backward, allowing the ladder to telescope to the desired height. If more height is desired, extend the lower half of the ladder (see figure D-1).

3. To store the ladder from its extension position, reverse the above sequence starting with the lower half of the ladder.

WARNING: DO NOT REMOVE LOCK TAB ASSEMBLIES FROM LOWER HALF OF THE LADDER WITHOUT HAVING A SECURE HOLD ON THE INNER SECTION.



Figure E-1

E. Staircase Position.

1. Adjust ladder to desired height (review section concerning adjusting the height of the ladder for use in the A-frame position.)
2. Then adjust the side desired for proper alignment to fit the staircase (see figure E-1).



Figure F-1



Figure F-2



Figure F-3



Figure F-4

F. Scaffolding Trestle Operating Instructions

1. Pull the inner ladder assembly completely out of the outer ladder bases (see figure F-1).
2. Open the inner ladder assembly to the A-frame position until both hinges lock (See figures A-4 and A-5). This is the first of two trestles needed for the scaffolding function (see figure F-2).
3. Grasp both outer ladder bases (see figure F-3).
4. Turn one outer ladder base 180 degrees and insert lock assemblies of one base into the adjacent holes of the opposite outer base (see figure F-4).
5. Grasp the outer ladder base with the unused lock assemblies and lower 1/2 inch, then spread the opposite outer ladder base to form a second A-frame trestle (see figure F-5 and F-5 Close).
6. Rotate forked ears on work platform to position indicated in figure F-6.

CAUTION: SCAFFOLDING TRESTLE CONFIGURATION ONLY TO BE USED WITH OPTIONAL WORK PLATFORM SPREADER ATTACHMENT.

7. Insert work platform between outer ladder bases on the third rung down of each base. The wire-formed end of the work platform should surround the outer rung turned to the inside of the outer ladder A-frame trestle (see figure F-7).
8. Press down on top of work platform until it locks in a horizontal position. Outer ladder A-frame trestle is now ready for use as second trestle (see figure F-8).



Figure F-5



Figure F-5 Close



Figure F-6



Figure F-7



Figure F-8

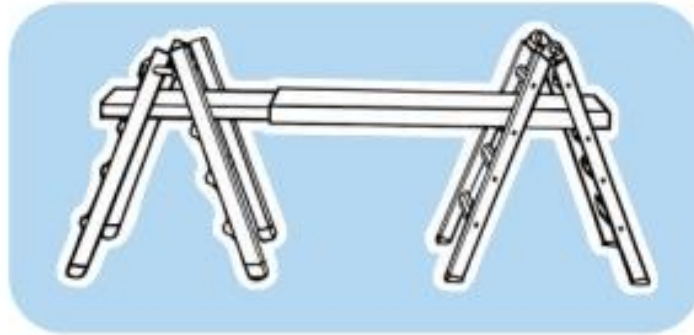


Figure F-9

9. Space the two trestles and place an appropriate scaffolding plank on the set of rungs at the desired working height (see figure F-9).

CAUTION: HEED THE WARNING LABEL PLACED ON THE OUTER LADDER HALF REGARDING THE USE OF THE WORK PLATFORM AS A SPREADER ATTACHMENT.

G. Work Platform Operating Instructions

1. Tighten or loosen bolts until brackets move stiffly (see figure G-1).
2. Adjust to fit ladder rung (see figure G-2).
3. Place platform at desired height (see figure G-3).
4. Push platform forward and step up through the rung above platform (see figure G-4).



Figure G-1



Figure G-2

WARNING: MAKE CERTAIN WORK PLATFORM IS LOCKED INTO POSITION BEFORE CLIMBING, WING ENTERPRISES INC. ASSUMES NO LIABILITY FOR DAMAGE OR INJURY WHICH MAY RESULT BY FAILING TO FOLLOW ALL PRECEDING INSTRUCTIONS CORRECTLY.

5. Push platform back with toe (see figure G-5) until the forward tip of the platform rests against the rung.

6. Check to ensure platform is securely in place before putting full weight on it (see figure G-6).
7. When through, step to rung above work platform and push work platform forward with toe. Step down through work platform (see figure G-7).
8. The above instructions apply to the A-frame ladder also. The platform may also be used as a utility shelf (see figure G-8).



Figure G-3



Figure G-4



Figure G-5



Figure G-6



Figure G-7



Figure G-8

DANGER

1. Inspect upon receipt and before each use. never use on bottom rung or when damaged, bent, or broken.
2. Make sure nuts and bolts are tight before using.
3. Make sure platform is extended fully before standing.
4. Never lay tools on platform when used as a standing platform.
5. Never reach down to reach or adjust platform while standing on it.
6. Never use the work platform if standing surface becomes slick from water, ice, snow, or other substances.
7. This work platform is also used as the spreader attachment for combining two outer ladder sections to form a separate step-ladder. Do not use this step-ladder without this spreader attachment. (Refer to operating instructions.)
8. Heed other warnings and instructions found on the ladder and Operating & Safety instructions.

50001-1

CAUTION: HEED THE WARNING LABEL PLACED ON THE WORK PLATFORM.

H. Final Cautions And Warning

1. When adjusting hinges or Lock Tab Assemblies, keep body parts and clothing out of the working mechanisms. These mechanisms are constructed of heavy duty materials and can pinch if carelessly adjusted.

2. When telescoping the inner ladder within the outer bases, never allow clothing or body parts to be placed between the rungs. Always hold the ladder with both hands on the vertical upper rails or hinges of the ladder while telescoping up or down.
3. When using ladders around electricity or on projects involving any type of electrical work, use caution and ensure that the ladder does not come in contact with electrical circuits.
4. When using ladders, be sure to:
 - a. Set all four feet on firm level surface
 - b. Keep steps dry and clean
 - c. Wear slip-resistant shoes
 - d. Keep body centered between both siderails
 - e. Read additional instructions on the ladder
5. When using extension ladder, the proper working angle requires that the distance from ladder base to the base of the support wall must be 1/4 the working length of the ladder, ie: 1 foot out from wall for every four feet in height. This will make sure the foot doesn't slip.
6. The rungs of the Little Giant Ladder System® are so constructed that the surface of the rungs is parallel to the surface upon which the ladder stands when in proper use.

CAUTION: NEVER CLIMB THE BACK OF THE LADDER IN THE EXTENSION POSITION AS INDICATED ON WARNING LABEL PLACED ON THE INSIDE OF THE INNER LADDER ASSEMBLY.



I. Maintenance

1. To ensure smooth operation, lubricate the hinge mechanism and lock tab assemblies with light machine oil every six months and prior to long term storage. This should be performed more often as use dictates, and under extreme weather conditions. (WD40 works well)
2. Always store the ladder in a dry location out of the weather. This will help to ensure that your Little Giant will provide you a lifetime of service.
3. Keep rails clean so that ladder will slide easily.
4. Keep hinge mechanism free of dirt, salt spray, or other contaminants that could prevent proper operation.

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5. Replace inner and outer feet as required to ensure safety.
6. Check all components to be sure they operate correctly.

A Family Safety Bulletin



Ladders present a serious safety hazard
if not used properly. **FALLS HURT!**

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- Use a sound ladder with safety feet.
- Make sure it is firm and steady with no defective rungs, braces or side rails.
- Get help in carrying and setting up heavy extension ladders.



- On a step ladder, never climb or stand on the top two steps.
- Make sure the ladder is long enough.
- On straight ladders, don't stand on the top four rungs.



- Set the ladder up on level. Ladders can't adjust to a side sloping surface and there's a good chance that a ladder set on a slant will tip over sideways.
- A ladder "STABILIZER," which fits on the top of a straight ladder, lessens chances of tipping and allows better working space.
- Do NOT over-reach.



- On soft ground use a wide board (6 inches width or more) to keep the ladder legs from sinking into the ground and slipping.



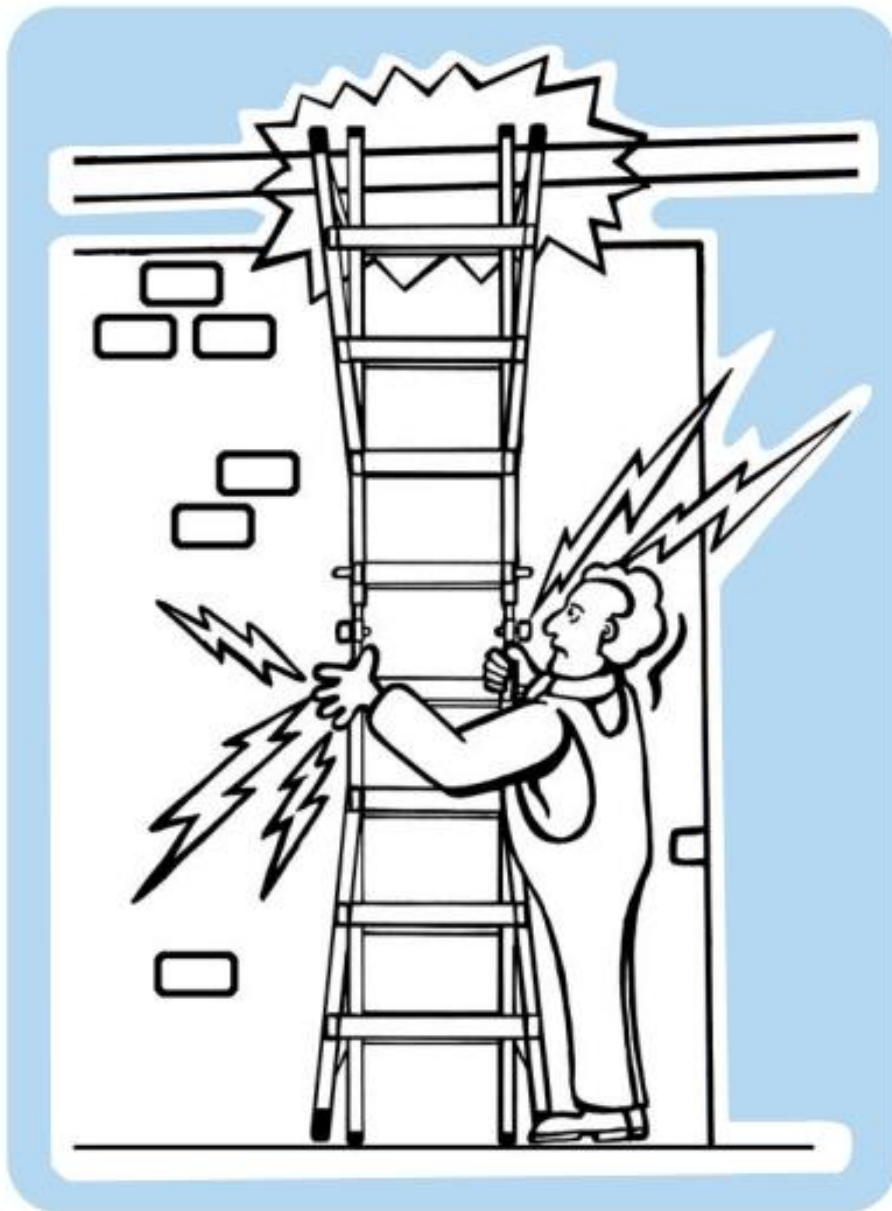
- Set the ladder at the proper angle; when a ladder is too far out it may slip out at the bottom.



- A ladder placed too close may tip over backward. Place the bottom one foot out for each four feet of height.



- Tying the ladder to a firm support near the top will help to prevent slipping or tipping.



!
SOME OTHER SAFETY TIPS:

- Be certain that metal ladders do not touch electrical power lines.
- Put a brace at the bottom of the ladder or have someone hold the ladder to keep it from slipping.
- Don't place the ladder where it can slip or be shaken--for example, by a swaying tree.
- Beware of high winds.



BEFORE YOU OR YOUR FAMILY MEMBERS USE A LADDER, REVIEW THESE TIPS, USE THEM!

- 1) Use a sound ladder, long enough for the job.
- 2) If possible, use a ladder with safety feet.
- 3) Get help with a heavy ladder.
- 4) Set the ladder up on the level so it won't shift or sway.
- 5) Use a wide board under the feet if the ground is soft.
- 6) Set a straight ladder at the proper angle (4 to 1 ratio).
- 7) Open a stepladder fully to engage the side hinges.
- 8) Avoid working around power lines with a ladder or your body.
- 9) Make sure ladder rungs and shoe soles are not slippery.
- 10) Face the ladder when you climb.
- 11) Stand well below the top of the ladder.
- 12) Tie the ladder at the top, if possible.
- 13) Never overreach. Move the ladder!
- 14) Always hold the ladder with one hand.
- 15) Haul tools up on a line rather than carrying them.
- 16) Be as careful on a short stepladder as on a 30 foot extension ladder.
- 17) False security can lead to carelessness and falls which can cause painful injuries.