

Little Giant

Ladder Systems®



Made in the USA

Operating & Safety Instructions

SAFE • STRONG • VERSATILE



Dear Customers,

Wing Enterprises, Inc. upholds the highest standards in all aspects of business. The key to our success is our people. We recruit, hire, and train only the best individuals available. We feel a business is made of bricks and mortar, and our people are the mortar that holds everything together. Employing only the finest individuals allows Wing Enterprises, Inc. to produce the world's finest ladders and accessories. We are confident the Little Giant Ladder System® is the highest quality ladder available worldwide. Every product that comes off our production line is a "step above the expected,"™ because the people who build our product share the same vision and adhere to strict quality control measures and processes. Each member of our manufacturing team has the responsibility and duty to stop the manufacturing line if the product coming off does not measure up to Wing Enterprises' strict standards. Our goal is not only to meet your expectations, but also far exceed them. Customer feedback is paramount to our manufacturing process, and each customer suggestion and comment is treated as though it were coming from a member of our own manufacturing team.

Wing Enterprises, Inc. is a mature and well-established company. We have built a loyal clientele based on the simple premise of providing customers with more than they expect for their purchase. At the outset of this new millennium, we intend to lengthen our stride and provide our customers the satisfaction they have never before expected.

If you are already a customer of Wing Enterprises, Inc., we thank you for your business. If you are currently considering a purchase, we appreciate your consideration of our high quality products and look forward to doing business with you.

Sincerely,
Harold R. Wing
Founder

Quality First

Quality Begins at the front door. Wing Enterprises' corporate and manufacturing headquarters are state of the art, allowing us to stay ahead of the competition. Located in Springville, Utah, Wing Enterprises has the land and capacity to grow and expand with the needs of our customers and provide them with excellent service.



Wing Enterprises, Inc. recognizes its responsibility as a manufacturer to fully comply with all contractual provisions and governing regulatory requirements.

The Quality System is complete and responsive to all requirements of ISO 9000 and MIL-I-45208A. Compliance to national and international product standards and requirements have also been met which includes, but not limited to, the following:

ANSI A14.2-2000, ANSI A14.5-2000, ANSI A14.10-2000, AS/NZS1892.1, AS/NZS1892.3, CAN3-Z11-M81, EN 131, MIL-L-85896(AS).

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Little Giant SkyScraper

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Operating Instructions for Little Giant Ladder System®

I. Description - Little Giant Ladder System®

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:

- a. A-frame
- b. Extension
- c. Stairwell
- d. Scaffolding trestles
- e. 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. Model Specification Table

Model	Storage	A-Frame	Extension
Model 13	3'7"	3'0" to 5'0"	7'0" to 11'0"
Model 17	4'7"	4'0" to 7'0"	9'0" to 15'0"
Model 22	5'7"	5'0" to 9'0"	11'0" to 19'0"
Model 26	6'7"	6'0" to 11'0"	13'0" to 23'0"

C. 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.

II. Operating and Adjusting The Ladder

IF EQUIPPED WITH WHEELS

WHEEL WARNING

IN EXTENSION LADDER POSITION, WHEELS MUST BE AT THE TOP OF THE LADDER.

NEVER ALLOW WHEELS TO CONTACT ANY SURFACE WHILE LADDER IS BEING USED OR ADJUSTED. LADDER MAY ROLL OUT AND CAUSE INJURY.

WHEELS MUST ONLY BE USED TO ASSIST IN TRANSPORTING LADDER.
51534-1

CAUTION: In all applications, except for transporting the ladder, the wheels must not have contact with the ground. Do Not use wheels as step.

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. The 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 (unlocked) position on both hinges (See Figures A-4 and A-5).

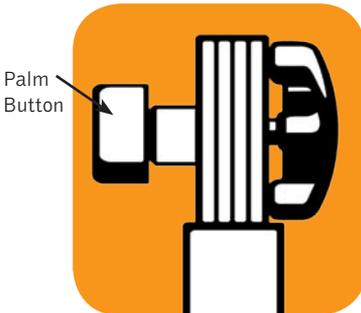


Figure A-4
LOCKED

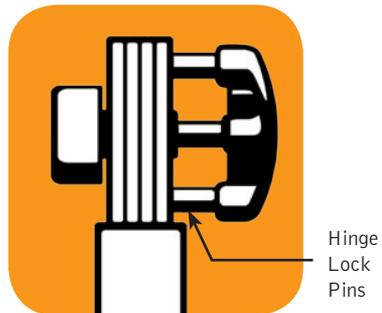


Figure A-5
UNLOCKED

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 halves apart until both hinge lock pins snap into the A-frame locked position.

3. Now place the ladder into the extension position by again pushing straight in on the palm buttons of both hinges (See Figures A-4 and A-5).

Rotate either side of the ladder until the hinge locks snap into their locked position.

To restore the ladder to the storage position, reverse the above procedure. The hinge lock will lock automatically at the A-frame configuration to prevent damage to the ladder or injury to the user.

Use caution and do not let the full weight of the ladder fall on the hinge lock as the ladder folds from extension to A-frame configuration. Disengage the hinge locks in the A-frame position and return the ladder to its storage position.

CAUTION: HEED THE WARNING IMPRINTED ON THE HINGE! "HINGE LOCK MUST BE FULLY IN BEFORE USING, FAILURE TO DO SO MAY RESULT IN INJURY"

B. The Lock Tab Assemblies- The second mechanical component of the ladder system is the LOCK TAB ASSEMBLY. There are four of these on each ladder. These permit you to change the height of the ladder (See figure B-1 and C-1).



Hinge

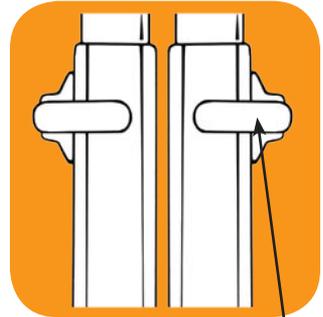


Figure B-1

Lock Tab Assemblies

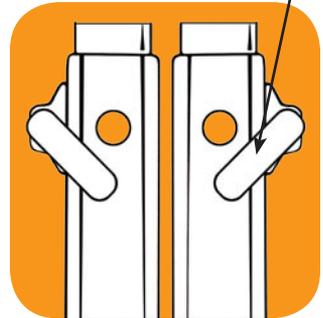


Figure C-1



WARNING: DO NOT PULL OUT ALL FOUR LOCK TAB ASSEMBLIES UNLESS THE INNER LADDER ASSEMBLY IS PREVENTED FROM SLIDING DOWN.

WARNING: 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.

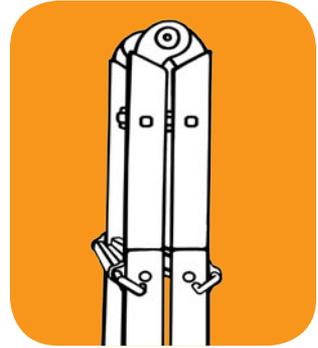


Figure C-2

C. Adjusting the height of the ladder for use in the A-frame position.

1. Unlock both hinge locks (See figures A-4 & A-5).
2. With the ladder in the storage position and while holding the inner ladder assembly firmly in place, pull the four Lock Tab 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.

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

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.
6. Alternate hands and perform the same operation with the other Lock Tab Assemblies (See figure C-2).

CAUTION: HEED THE WARNING ABOVE EACH LOCK ASSEMBLY

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).
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 its extension position.

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

2. **If equipped with wheels**, wheels must be at the top of the ladder while in the extension position. Unlock Lock Tab Assemblies on upper half 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).

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

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.) **If equipped with wheels**, the wheels should be placed on the bottom of the long side, not against the stairs.

2. Then adjust the side desired for proper alignment to fit the staircase (see figure E-1).



Figure D-1

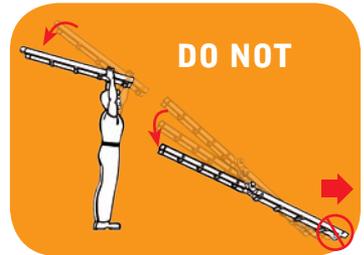


Figure D-1A

WHEEL WARNING

IN EXTENSION LADDER POSITION, WHEELS MUST BE AT THE TOP OF THE LADDER.

NEVER ALLOW WHEELS TO CONTACT ANY SURFACE WHILE LADDER IS BEING USED OR ADJUSTED. LADDER MAY ROLL OUT AND CAUSE INJURY.

WHEELS MUST ONLY BE USED TO ASSIST IN TRANSPORTING LADDER.

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Figure E-1

F. Scaffolding Trestle Operating Instructions

(Does not apply to Little Giant® Fiberglass ladder)

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. **If equipped with wheels**, turn ladder without wheels 180° and insert lock assemblies of that base into the adjacent holes of the opposite outer base (see figure F-4). Wheels should be facing out (see figure F-5).

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.

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).

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



Figure F-1

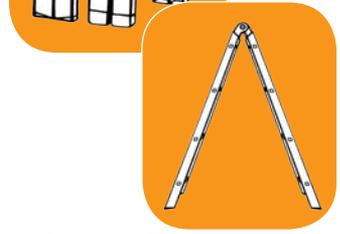


Figure F-2



Figure F-3



Figure F-4



Figure F-5
Close



Doing this step incorrectly may cause damage to ladder.



Figure F-6



Figure F-7



Figure F-5

Wheels should not be on inside of trestle



Figure F-8

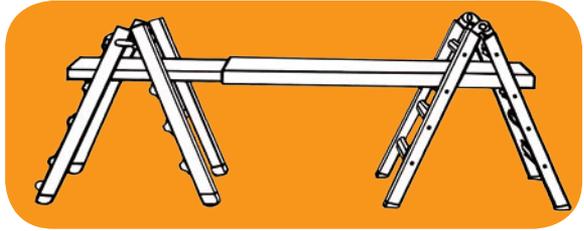


Figure F-9

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).
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 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.

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

H. Wheels

1. Hold ladder with wheels towards you. Tip ladder onto wheels. Hold the top rung and pull the ladder behind you.



Figure H-1



Figure H-2

I. 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 Little Giant[®] Ladders are offered in different duty ratings* in accordance with applicable ANSI and OSHA standards. Do not exceed safe working limits (See table below).

TYPE	DUTY RATING	WORKING LOAD
Type IAA	Special Duty	375 LBS.
Type IA	Industrial - Extra Heavy	300 LBS.
Type I	Industrial - Heavy	250 LBS.

7. The rungs of the Little Giant Ladder System[®] are constructed so 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.

Dangers and Warnings

SAFETY FIRST

ARTICULATED LADDER
FOR YOUR SAFETY
READ CAREFULLY



THIS LADDER
CONDUCTS
ELECTRICITY

⚠ DANGER



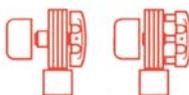
FAILURE TO READ AND FOLLOW
INSTRUCTIONS ON THIS LADDER
MAY RESULT IN INJURIES OR DEATH

⚠ DANGER

SECURELY ENGAGE THE 2 HINGE
LOCKS AND 4 TELESCOPING LOCK
TAB ASSEMBLIES BEFORE CLIMBING.
FAILURE TO DO SO MAY RESULT IN
INJURY OR DEATH.

PROPER OPERATION OF
HINGES IS AS FOLLOWS
A. TO LOCK

PALM BUTTON WILL AUTOMATICALLY
ENGAGE TO THE "LOCKED" POSITION.
WHEN THE LADDER IS IN THE
CORRECT STEP LADDER OR EXTENSION
LADDER POSITION.



LOCKED UNLOCKED
B. TO UNLOCK

PRESS PALM BUTTON INWARD UNTIL IT
REMAINS IN THE "UNLOCKED" POSITION.
POSITION THE LADDER IN THE CORRECT
STEP LADDER OR EXTENSION LADDER
POSITION AND THE HINGE LOCK WILL
AUTOMATICALLY ENGAGE.

PROPER OPERATION OF
LOCK TAB ASSEMBLIES
IS AS FOLLOWS
A. TO LOCK

INSERT ALL FOUR LOCK TAB ASSEMBLIES
COMPLETELY INTO AN INNER LADDER
ASSEMBLY RING HOLE. FAILURE TO
DO SO MAY RESULT IN INJURY.



LOCKED UNLOCKED
B. TO UNLOCK

PULL LOCK TAB ASSEMBLY OUTWARD AND
RESET IT ON THE OUTSIDE OF THE OUTER
CHANNEL. ADJUSTMENT TO LADDER SIZE
IS NOW POSSIBLE.



1. PLACE TOES AGAINST BOTTOM OF LADDER SIDERAILS
2. STAND ERECT
3. EXTEND ARMS STRAIGHT OUT
4. PALMS OF HANDS SHOULD TOUCH TOP OF RUNG AT SHOULDER LEVEL

DO NOT OVER-REACH
KEEP BODY CENTERED
BETWEEN SIDERAILS



SET ALL FOUR FEET ON
FIRM LEVEL SURFACE
WEAR SLIP-RESISTANT SHOES
READ ADDITIONAL
INSTRUCTIONS ON LADDER

CAUTION

PROPER SELECTION

1. Select ladder of proper length to reach working height.
2. IMPORTANT: Ladders are designed to support one person plus materials and tools per side in 2-man stepladder positions or only one person plus materials and tools in all other positions not more than the working load on the notice sign of this ladder.
3. Select ladders within the following:

TYPE	DUTY RATING	WORKING LOAD
IAA	SPECIAL DUTY	375 lbs.
IA	INDUSTRIAL - EXTRA HEAVY	300 lbs.
I	INDUSTRIAL - HEAVY	250 lbs.
II	COMMERCIAL - MEDIUM	225 lbs.
III	HOUSEHOLD - LIGHT	200 lbs.

INSPECTION

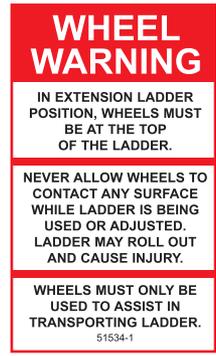
1. Inspect upon receipt and before each use; never climb a damaged, bent or broken ladder. All parts must be in good working order.
2. Make sure all rivets and joints are tight; feet, rungs and braces secure; and all hinges and lock tab assemblies function properly.
3. Keep ladder clean, free from grease, oil, mud, snow, wet paint and other slippery material. Keep your shoes clean; leather soles should not be used.
4. Never make temporary repairs of damaged or missing parts.
5. Remove damaged or defective ladders from service.
6. Destroy ladder if broken, worn or if exposed to fire or chemical corrosion.

PROPER SET-UP

1. DANGER! METAL CONDUCTS ELECTRICITY! Do not let ladders of any material come in contact with live electrical wires.
2. Make sure ladder is fully open and all hinges and lock tab assemblies are completely and properly engaged prior to climbing ladder.
3. Secure base when rising extension and never set up ladder when it is extended.
4. Set single or extension ladder at proper 75-1/2 degree angle by bracing ladder base a distance equal to 1/4 total working length of ladder away from base of vertical support. If distance is less than 3 ft., place base of ladder a minimum of 3 ft. from vertical support.
5. Set ladder on firm ground. Do not lean sideways. Do not use on ice or snow or slippery surface without non-skid devices or securing feet.
6. Erect ladder so that approximately 3 ft. extends above roof line or working surface; tie top at support points.
7. Extend top section only from ground, never from the ladder by "bouncing" or from the roof.
8. Place on a firm level surface with a secure footing. Do not use on slippery surface. Do not place on boxes, unstable bases or on scaffolds or tie or fasten ladders together to gain additional height.
9. Do not place in front of door opening toward ladder.
10. Where possible use second person to hold ladder.
11. Follow all applicable local and federal safety codes and all federal safety codes and all federal safety codes.

PROPER CLIMBING AND USE

1. DO NOT USE LADDER if you tire easily, are subject to fainting spells, or are using medicine, alcohol or drugs, or are physically impaired.
 2. To protect children, do not leave ladder set-up and unattended.
 3. Securely engage all ladder hinge locks and lock tab assemblies before climbing. Check that top and bottom ends of ladder rails are firmly supported.
 4. Never release any of the ladder hinge locks or lock tab assemblies or attempt to reposition them while working on the ladder.
 5. Face ladder when climbing up or down; keep body centered between side rails. Move ladder as needed.
 6. Maintain a firm grip. Use both hands when climbing.
 7. Do not climb onto a ladder from the side unless ladder is secured against side-ways motion, or climb from one ladder to another.
 8. Do not overreach; move ladder when needed.
 9. Do not "walk" or "jog" ladder when standing on it.
 10. Do not stand, climb or sit on braces, spreaders, pad shelf, back section, or above second step from top of ladder.
 11. Do not stand closer to the top than the third (3) rung from the top. Never climb above the top support point.
 12. Do not use ladder in high winds.
 13. Never use ladder as a platform, plank, brace or hoist. Never use ladder on a scaffold. Do not overload.
 14. Keep ladder close to work; avoid pushing or pulling off to the side of ladders.
 15. Never drop or apply an impact load to ladder.
 16. Use extreme caution getting on and off the ladder.
- PROPER CARE AND STORAGE**
1. Store ladder in safe and dry place.
 2. Properly secure and support ladder while in transit.
 3. Never store materials on ladder.
 4. Keep ladder clean and free of all foreign materials.
 5. Keep hinges and lock assemblies free of foreign materials that could destroy their function.
 6. Cover the hinges during messy work.
 7. Lubricate mechanism of all hinges and lock tab assemblies.

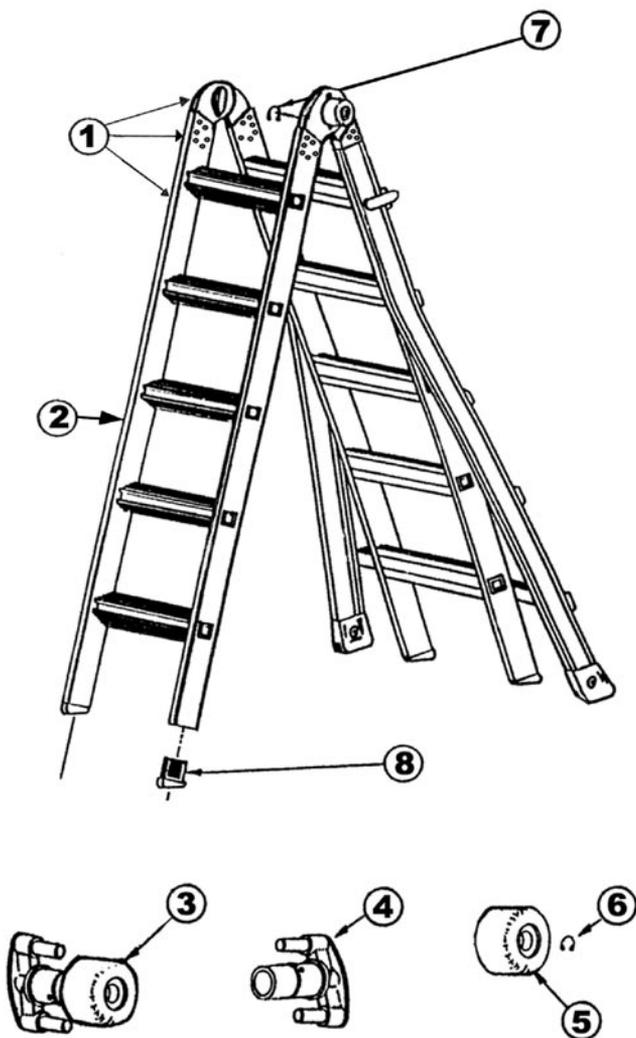


Maintenance

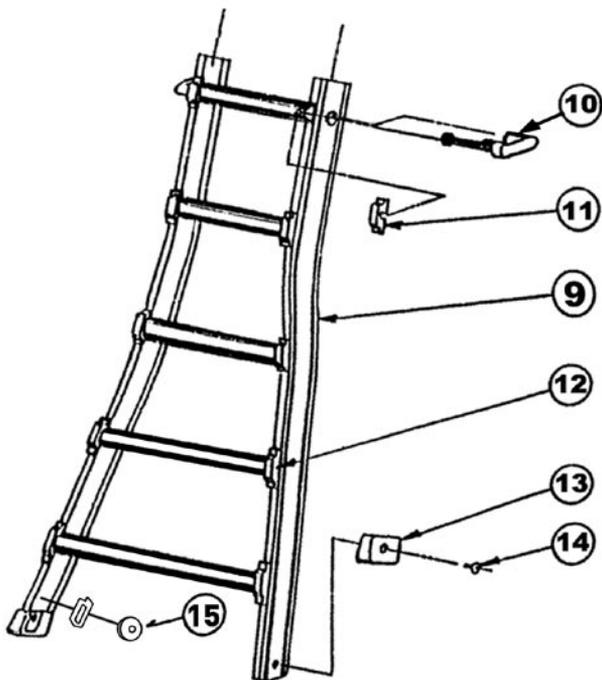
1. To ensure smooth operation, lubricate the hinge mechanism and lock tab assemblies at least every six months and prior to long term storage. This should be performed more often as use dictates, and under extreme weather conditions. Lubricants may include: a silicone spray lubricant, a high-performance lubricant, a dry lubricant, a white lithium grease, a light machine oil. If you need further assistance, please call customer service at 1-800-453-1192

WARNING: Keep all ladder rungs, ladder feet, and all standing and gripping surfaces free from all lubricants.

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.
5. Replace inner and outer feet as required to ensure safety.
6. Check all components to be sure they operate correctly.
7. Replace labels with label kit when labels become obscure, defaced, missing or difficult to read.



- 1 Inner Ladder Assembly
- 2 Inner Ladder Half
- 3 Hinge Lock Assembly Kit w/Palm Button
- 4 Hinge Lock Assembly Kit w/o Palm Button
- 5 Palm Button
- 6 Snap Ring, Palm Button
- 7 Snap Ring, Hinge Lock
- 8 Inner Foot



9 Outer Ladder Assembly (one side only)

10 Lock Tab Assembly Kit

11 Rung Cap - Slotted

12 Rung Cap - Unslotted

13 Outer Foot

14 Pop Rivet - Outer Feet

15 Wheel & Bracket

** Label Kit (All ladder labels) *Not Shown*



Ladders present a serious safety hazard

if not used properly. **FALLS HURT!**



- 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.



- Do NOT over-reach.
- Set the ladder up on level ground. 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 side ways.
- A ladder "STABILIZER," which fits on the top of a straight ladder, lessens chances of tipping and allows better working space.



- 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 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.

Little Giant SkyScraper

Able to reach 21' as
an A-Frame



Operating instructions for Little Giant® SkyScraper Telescoping A-frame ladder.

I. Description - SkyScraper Telescoping A-Frame Ladder

A. Three basic components -The ladder is a telescoping A-frame unit comprised of three basic components- an inner ladder unit, which telescopes within two outer units.

1. The inner ladder unit has a locking center hinge which allows the unit to be used in the following configurations:

- a. A-Frame (See Figure A-1)
- b. Staircase (See Figure A-2)

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



Figure A-1 A-Frame



Figure A-2 Staircase

B. Model Specifications Table

Model No.	Stepladder Height	Storage Height	Weight
SkyScraper 15'	8'0" to 15'0"	7'7"	66 lbs.
SkyScraper 17'	9'0" to 17'0"	9'7"	79 lbs.
SkyScraper 21'	11'0" to 21'0"	11'7"	103 lbs.

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

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

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



Figure A-3
LOCKED



Figure A-4
UNLOCKED



Figure A-5
SIDE VIEW

II. The Little Giant® Telescoping A-Frame Ladder has two mechanical component parts:

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. The hinge locks in the following position. (See figures A-1, A-2)

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-3, A-4, and A-5).

a. **NOTE**- If there is pressure on the hinge lock pins it will make it difficult to unlock the hinge. To relieve pressure simply jiggle one half of the ladder back and forth until hinge lock pins move without force.

b. **NOTE** - DO NOT FORCE HINGE LOCK 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 halves apart until both hinge lock pins snap into the A-frame locked position. (See figure A-1)

CAUTION: HEED THE WARNING IMPRINTED ON THE HINGE! “HINGE LOCK MUST BE FULLY IN BEFORE USING, FAILURE TO DO SO MAY RESULT IN INJURY.”

3. To restore the ladder to the storage position, disengage the hinge locks in the A-frame position and return the ladder to its storage position.



B. The second mechanical component of the ladder is the LOCK ASSEMBLY. There are four of these on each ladder.

These permit you to change the height of the ladder (See figure B-1).

Figure B-1 Lock Assemblies

C. Adjusting the height of the ladder for use in the A-frame position.

WARNING: DO NOT USE LADDER WITH DAMAGED OR REMOVED SAFETY STRAPS. FAILURE TO HEED WARNING MAY RESULT IN INJURY.

1. With the ladder in the closed, storage position; lay the ladder flat on an unobstructed surface. (See figure C-1)
2. Unlock both hinge locks. (See figures A-4 and A-5 on previous page)
3. With the ladder down on the flat surface, (See figure C-1) pull the two top lock assemblies out of the rung holes of the inner ladder and rest them on the side of the outer ladder rail. (See figures C-2 and C-3)
4. Telescope top outer unit to desired length. (See figure C-4)
5. Rotate ladder and place the extended outer unit on flat surface. (See figure C-5)



Figure C-1

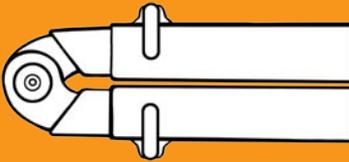


Figure C-2

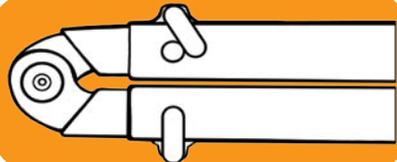


Figure C-3



Figure C-4



Figure C-5

6. Telescope remaining outer unit to desired length.

7. To raise the ladder, brace the feet against the wall and lift the hinged top; walk (rung by rung) the ladder to a vertical position. (See figures C-6 and C-7)

8. Open the ladder to the A-frame configuration by pulling the ladder halves apart until the hinges lock into place.

CAUTION: HEED THE WARNING LABEL PLACED ABOVE EACH LOCK ASSEMBLY.

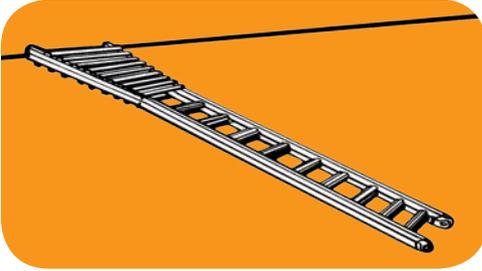


Figure C-6



Figure C-7

9. To return ladder to storage position:

a. In the A-frame position tip ladder to the side and lower to a flat surface.

b. Unlock both hinges and bring the ladder halves together.

c. Rotate ladder and place flat on surface.

d. Reverse procedures of steps C-1 through C-6.



D. Adjusting the ladder in the staircase position.

1. Adjust ladder to desired height. (See steps C-1 through C-5)

2. Then adjust side desired for proper alignment to fit the staircase (See figure D-1).



Figure D-1

Accessories



Jumbos



Ultra Step



ACCESSORIES



WORK PLATFORM

The moveable work platform is designed to support up to 300 lbs. Our unique design allows it to be tucked away and easily put back into place with your foot when needed. Ideal for long projects and great for a tool rest.



LEG LEVELER

When the Little Giant has to be used on an uneven surface, the leg leveler offers a safe, stable solution. The leg leveler is made to meet the same extra heavy-duty standards as our ladders and attaches easily.



WING SPAN

When working around windows, rain gutters, bushes, overhangs and other obstacles, the Wing Span's extra width adds even more versatility and stability to any of the Little Giant Ladders.



TELESCOPING PLANK

Converts any of our ladders into a simple scaffolding system. This high-strength plank stores and hauls in nearly half of its extended length. It's light enough for easy setup and handling and features a slip-resistant surface for safety. Available in 6' to 9', 8' to 13', and 10' to 16' lengths. 250 lbs. capacity.



Platform



Leg Leveler



Wing Span



Plank

LITTLE JUMBO® SAFETY STEP



Little Jumbo® Safety Steps are built to the industry's most exacting specifications. Two-step, three-step, and four-step models all incorporate wide, slip-resistant treads for maximum stability and fold-up safety bars for added security.

All models are made from a rugged, corrosion-resistant aluminum alloy—built to last yet lightweight and easy to handle.

Little Jumbo® Safety Steps fold to a slim 5" depth.



LITTLE GIANT® ULTRA STEP



The Ultra Step embodies the technology of the Little Giant Ladder System® into a lighter more compact design.

It extends from 4' to 6' or 5' to 8' in height. It is easy to manage on stairways and other tight areas. Plus, it folds up for easy transportation and storage.

The Ultra Step has a duty rating of 300 lbs. and it is also available in fiberglass.



Warranty - Wing Enterprises, Inc.

Little Giant Ladder System® Limited Warranty

Our warranty is backed by over 30 years in the ladder business

We sincerely believe that our ladder is the best in the world. We put our products through rigorous tests to ensure that the ladder you trust is built to the highest standards. You will probably never encounter a problem with this Little Giant® Ladder, but in the unlikely event that within the warranty period (see table below) from the date of the original purchase, a problem caused by defects in either workmanship or materials is discovered, we'll be happy to repair or replace, at our option and without cost to the original purchaser. All we ask is that you get your ladder to our manufacturing facility in Springville, Utah. If it is determined that the problem is covered by our warranty, we'll take care of the rest. All freight to and from the factory is to be paid by the customer. If a replacement is necessary and your product is no longer available, a comparable product will be substituted.

Little Giant® ladders are tested to withstand normal wear and tear, but are not indestructible and can be damaged by misuse. Our warranty, just like other warranties worldwide, will not cover wear and tear, misuse and/or abusive treatment. But we do ensure a timely resolution at a fair price. Misuse may include, but is not limited to, damage by vehicles, tools, people, animals, falling objects, acts of God, and using a Little Giant® ladder in any matter contrary to the warning/instruction labels and owner's manual. If you need an owner's manual, please contact us and we will send you one.

Before you ship your product back for warranty review, please call us at 1-800-453-1192 to obtain a Return Merchandise Authorization or RMA from our Customer Service Department. Return your ladder prepaid, insured, and in a carton. Include your name, address, phone number, proof of purchase, and a brief description of the problem. The address to return the product is: Wing Enterprises, Inc., Attention: Warranty Department, 1198 North Spring Creek, Springville, Utah 84663. You can access more information on all Little Giant® Ladders by going to our web site: www.littlegiantladdersystems.com.

This shall be in lieu of any other warranty, expressed or implied, including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. The liability of Wing Enterprises, Inc. under this warranty shall be limited solely to repair or replacement of the ladder within the warranty period; and Wing Enterprises, Inc. shall not be liable, under any circumstances, for consequential or incidental damages, including but not limited to, personal injury or labor costs. Some states do not permit the exclusion or limitation of incidental or consequential damages, so this exclusion may not apply to you. This warranty gives you specific legal rights and you may have other legal rights, which may vary, from state to state. This warranty is effective as of January 1, 2004. Manufacturing specifications are subject to change without notice.

Under no circumstances will Wing Enterprises, Inc. be responsible for any expense in connection with any repairs made by anyone other than the factory or authorized service station unless such repairs have been specifically authorized in writing by Wing Enterprises, Inc.

The original Little Giant Ladder System[®] has been around since 1972, and has provided satisfaction to millions of customers. So rest assured, if you ever need assistance with your ladder, we'll still be here to see that you're taken care of.

View the warranty for your ladder model below.

WARRANTIES	
DESCRIPTION	PERIOD
Original Little Giant Ladder System - (Type IA)	Lifetime
Little Giant Ladder System - Fiberglass	1 year
Little Giant Ladder System - (Type IAA)	Lifetime
Little Giant Ladder System - (Type I)	5 years
Little Giant SkyScraper	5 years

FINAL INSPECTION

The Little Giant[®] Ladder is the best ladder obtainable anywhere, Quality Control checks have been made during each manufacturing operation to ensure your ladder meets our high manufacturing standards. The following items have been individually checked and approved before boxing.

-  Positive locking of hinge in each opening.
-  Smooth operation of lock tab assemblies.
-  Inner ladder assembly slides freely within outer ladder assembly.
-  Both inner and outer ladder assemblies stand flat on all fours (where applicable).
-  All component parts are in place.
-  All workmanship is of good quality.

We sincerely hope you enjoy your Little Giant[®].

WING ENTERPRISES, INCORPORATED

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