

ATTIC LADDER INSTALLATION INSTRUCTIONS

MODELS: S224P, S254P, AS226P, AS256P, AL226P, AL256P, CS224P, CS224I, CS254P, CS254I, CL224P, CL224I, CL254P, CL254I, L224P, L254P, S305P, CS305P, L305P, CL305P, AL228P, AL258P

WARNING

Before you start installing your new Louisville Ceiling Mounted Folding Attic Ladder, you must read and understand the following:

1. For residential use only. Not for use in a commercial or industrial setting.
2. Installation requires two people.
3. Check the ceiling height to make sure the ladder length is correct. If the ladder is too short, return it to the point of purchase for an exchange. Under no circumstance is any folding attic ladder to be used when the ceiling-to-floor measurement exceeds the maximum ceiling height as indicated for the Ceiling Mounted Folding Attic Ladder you are installing (See "Max Ceiling Height" column in table 2, page 3).
4. This folding attic ladder is completely assembled and is ready for installation. Do not disassemble it to install.
5. The springs on this folding attic ladder are under pressure. Do not attempt to remove or replace before installation.
6. Prior to installation, verify that all fasteners are properly tightened. Re-check these periodically after initial installation.
7. Make sure there is no wiring or piping that the saw or drill can come in contact with during installation.
8. Opening or standing on the folding attic ladder's climbing sections prior to properly fastening to ceiling joists could cause serious bodily injury.
9. Verify that the unit meets local building codes and that the intended area of installation is of sufficient strength to be used for a walking or working surface.
10. If the home has roof trusses, do not cut the ceiling joists without consulting an engineer for approval.
11. Before installation, read all the instruction labels on the folding attic ladder.
12. Improper installation could result in serious bodily injury.
13. Do not attempt to open the door prior to installation.
14. Only use 16d nails or 1/4" x 3" lag screws (not included) for the permanent installation step.
15. Follow the "Adjust The Ladder Length" instructions on Step 3 for proper trimming instructions.
16. Annually lubricate (spray silicon recommended) pivot points of right and left folding arm mechanism (power arm assembly) to provide smooth, long-lasting operation.

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Included with your Folding Attic Ladder

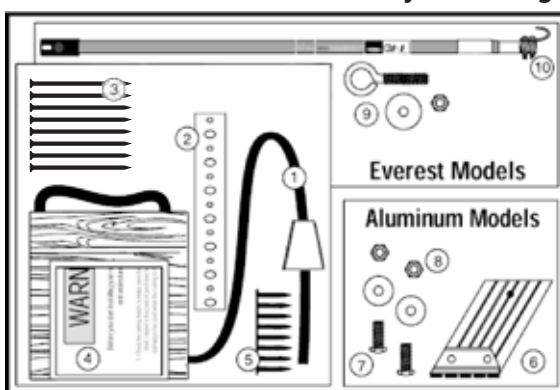


FIGURE 1: All models

NO.	ITEM	QTY.
1	Pull cord – 36"	1
2	Support Straps	4
3	16d nails	8
4	Installation Instructions	1
5	Roofing nails – 7/8"	8
6	**Aluminum feet	2
7	** 3/4" Bolts	2
8	** 1/4" Lock nuts & washers	2
9	+Eyebolt, nut & washer	1
10	+Pole hook	1

** Aluminum models | + Everest models

TABLE 1

ATTIC LADDER SERIES NAME AND MODEL NUMBER CROSS REFERENCE

WOOD					ALUMINUM				
Series	Models				Series	Models			
Premium	S224P	S254P	L224P	L254P	Summit	AS226P	AS256P	AL226P	AL256P
Champion	CS224P	CS254P	CL224P	CL254P	Everest	AL228P		AL258P	
	CS224I	CS254I	CL224I	CL254I					
Big Boy	S305P	CS305P	L305P	CL305P					

MATERIALS REQUIRED

[1.] Stepladder [2.] Hammer [3.] Adjustable wrench [4.] Tape measure [5.] Hand saw [6.] Hack saw [7.] Drill [8.] Drill bit 3/16", 1/4" [9.] Phillips screw driver [10.] (12) 1/4" x 3" lag screws or 16d nails [11.] Shims

2

Installation instructions for wood models and for aluminum models

Read instructions and warnings completely before starting

IMPORTANT: DO NOT OPEN FOLDING ATTIC LADDER UNTIL INSTRUCTED TO IN STEP NUMBER 3.

Folding Attic Ladder Location:

Allow ample room for the swing clearance and the landing space of the folding attic ladder when it is opened (see figure 2 and table 2). Locate the folding attic ladder rough opening so that when you enter the storage area, you will have adequate head clearance.

You must have a rough opening as shown for your model in table 2. If not, proceed to the appendix for framing instructions.

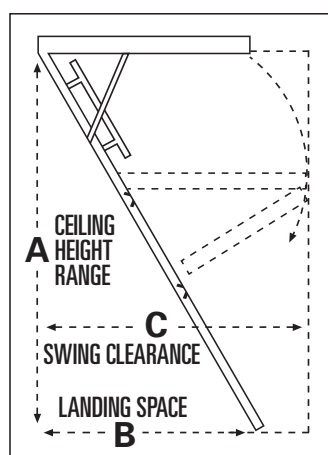


FIGURE 2

MODEL	ROUGH OPENING	MAX. CEILING HT. "A"	LANDING SPACE* "B"	SWING CLEARANCE "C"
S224P, AS226P, CS224P, CS224I	22 1/2" x 54"	8' 9"	63"	66"
S254P, AS256P, CS254P, CS254I	25 1/2" x 54"	8' 9"	63"	66"
L224P, AL226P, CL224P, CL224I	22 1/2" x 54"	10'	71"	75"
L254P, AL256P, CL254P, CL254I	25 1/2" x 54"	10'	71"	75"
S305P	30" x 60"	8' 9"	63"	66"
CS305P	30" x 54"	8' 9"	60"	69"
L305P	30" x 60"	10'	71"	75"
CL305P	30" x 54"	10' 1"	67"	79"
AL228P	22 1/2" x 63"	12'	85"	87"
AL258P	25 1/2" x 63"	12'	85"	87"

*When installed at maximum ceiling height

TABLE 2

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STEP 1: PRELIMINARY INSTALLATION INSTRUCTIONS

A. Attach four E-Z Hang temporary support straps to the frame. Refer to figure 3 and instructions listed below.



FIGURE 3

- Place the folding attic ladder on the floor with the door opening on your right-hand side.
- Using the roofing nails and straps provided, attach one strap using two nails on the outside of the attic ladder frame at the extreme right hand corner near the door stop block.
- Attach the second strap opposite the first strap on the far outside frame.
- The third and fourth straps should be positioned on the door hinge side near each corner opposite the door opening.

B. Position one person up in the attic, and position one person in the room below. When using a step ladder make sure ladder is fully open, all feet firmly supported and user's weight and materials does not exceed the load rating of the ladder.

C. The person in the room below will need to raise the attic ladder into the rough opening and position the attic ladder's door frame flush with the ceiling surface.

D. The person in the attic should then bend the metal E-Z Hang strapping at the four corners of the attic ladder frame over the adjoining ceiling joists and nail through the metal strapping using four of the 16d nails provided to temporarily suspend the attic ladder.

CAUTION: This is only a temporary connection, NEVER climb on ladder in this condition.

E. Carefully open attic ladder door but do not unfold the climbing section until indicated in step 3. Place the frame on the door hinge side of the ladder up against the header and center side to side in the rough opening. Temporarily secure to header with 16d nail. Make sure frame is flush with ceiling before nailing (figure 4, next page).

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F. Center and square the opposite side of attic ladder frame using shims. Ensure ladder frame is square by measuring diagonals of the frame within 1/8". Secure other sides of ladder frame to ceiling joists with remaining three 16d nails (figure 4).

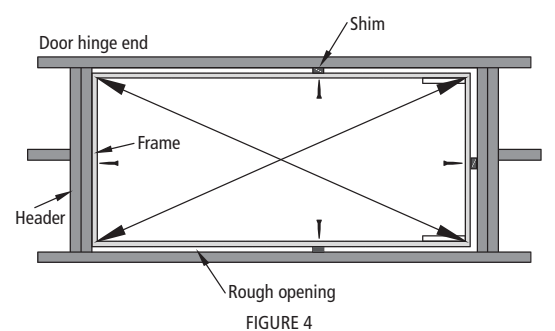


FIGURE 4

STEP 2: PERMANENT INSTALLATION

A. Install fasteners at the 12 locations shown in figure 5 for permanent installation.

Either 1/4" x 3" lag screws or 16d nails should be used. Install shims when necessary to fill any gaps between the door frame and rough opening. Make sure to install the fasteners in the holes provided in the corner brackets and pivot plates.

NOTE: When using lag screws first drill 1/4" diameter holes through the frame at each location to prevent splitting and follow with 3/16" pilot holes in the ceiling joist facilitate installation of the lag screw.

B. **WARNING: Never use deck or sheetrock screws for permanent installation.**

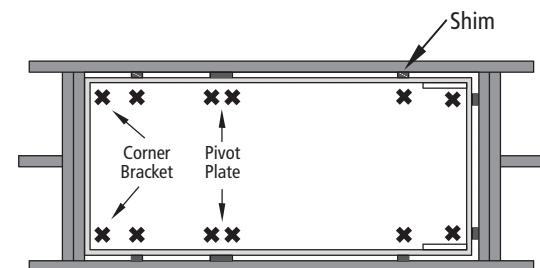


FIGURE 5

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STEP 3: ADJUST LADDER LENGTH

A. Carefully unfold ladder to the ground rotating bottom section behind middle section (figure 6). Press down on top and middle sections of the ladder to ensure the power arms are fully extended before taking measurements for trimming your ladder.

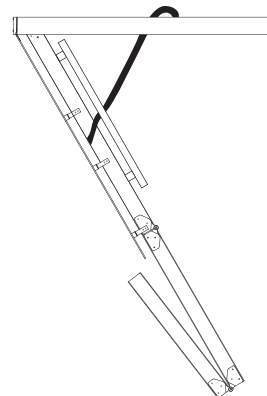


FIGURE 6

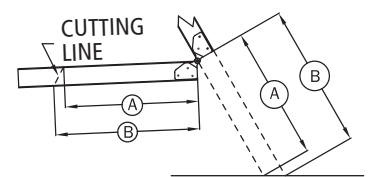


FIGURE 7

B. With a straight edge, measure distances from middle section to floor, for both A & B lengths (figure 7).

WOOD MODELS: Proceed to "C"
ALUMINUM MODELS: Skip to page 7 "Additional steps for aluminum models only"

C. Record A & B values in table 3 for both rails.

	LEFT RAIL		RIGHT RAIL	
	A	B	A	B
Measurement to floor				

TABLE 3 (Wood models only)

D. Transfer these dimensions to the bottom section of the ladder right and left rails and draw a cutting line between the two points. Trim bottom section to length using wood saw (figure 7).

Proceed to "Check the length after making your cuts" on page 8...

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