



ARTICULATED EXTENDABLE LADDER INSTRUCTIONS

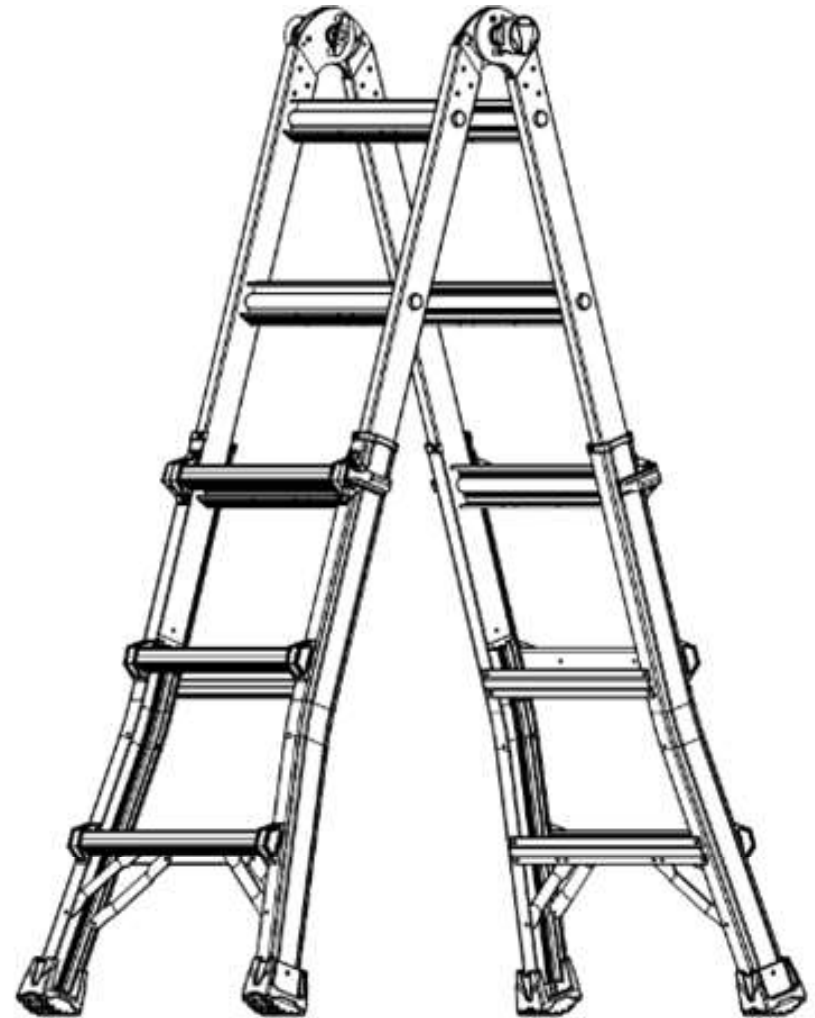




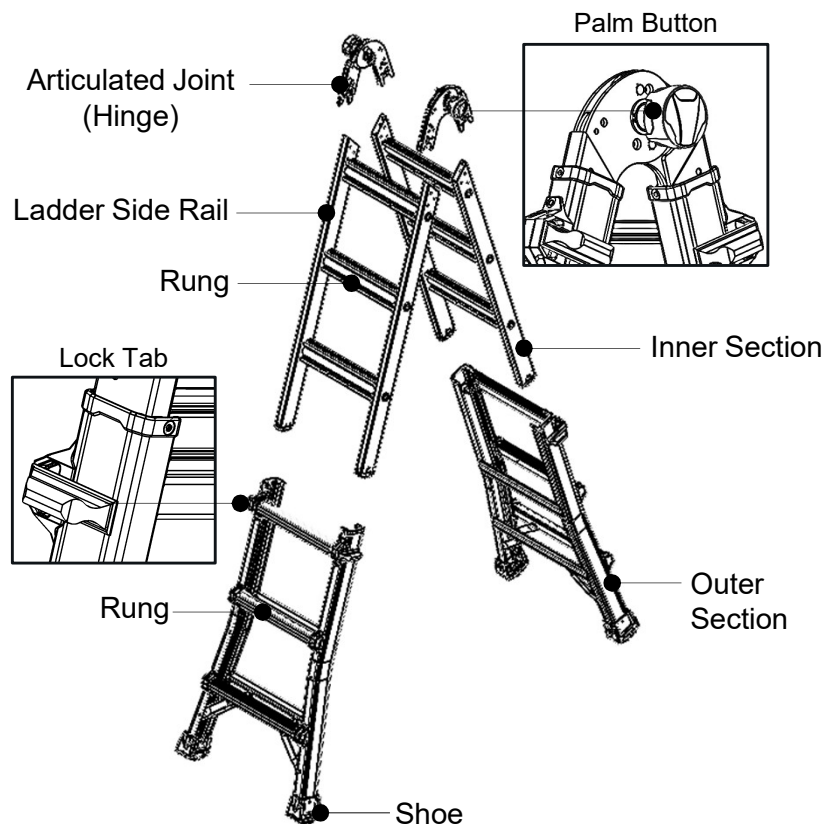
WARNING

- Read and follow these instructions and the labels on the ladder before using the ladder.
- Failure to do so could result in serious injury or death.

1. Terminology
2. Specifications
3. Positions
4. Safety
5. Operation & Adjustments
 - 5.1 Articulated Joint (Hinge) Operation
 - 5.2 Locking Tab Operation
6. Ladder Set-up:
 - 6.1 Stepladder/Trestle & Stairway
 - 6.2 Straight/Extension Ladder
 - 6.3 Wall
 - 6.4 Scaffold Support
7. Replacement Parts



1. TERMINOLOGY



2. SPECIFICATIONS

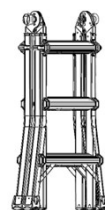
Model: L-2099	-14	-18	-22
	-14C	-18C	-22C
Duty Rating	Type IA / Grade IA 300 lbs / 136 kg		
Max Reach*			
Extension	14' 2" 4.3 m	18' 5.5 m	22' 6.7 m
Stepladder/Trestle & Stairway	9' 5" 2.9 m	11' 4" 3.5 m	13' 3" 4.0 m
Wall	9' 1" 2.8 m	11' 3.3 m	13' 4 m
Scaffold Support	8' 8" 2.6 m	9' 7" 2.9 m	9' 7" 2.9 m
Highest Standing Level			
Extension	3' 10" - 7' 7" 1.2 m - 2.3 m	5' 10" - 11' 5" 1.8 m - 3.5 m	7' 9" - 15' 5" 2.4 m - 4.7 m
Stepladder/Trestle & Stairway	1' - 2' 10" 0.3 m - 0.9 m	1' 11" - 4' 9" 0.6 m - 1.5 m	2' 10" - 6' 8" 0.9 m - 2.0 m
Wall	1' 8" - 2' 6" 0.5 m - 0.8 m	2' 7" - 4' 5" 0.8 m - 1.3 m	3' 6" - 6' 5" 1.1 m - 1.9 m
Scaffold Support	2' 0.6 m	3' 0.9 m	3' 0.9 m

* Based on a 5' 7" [1.7 m] person with a 12 in [0.3 m] reach

3. POSITIONS

The **Articulated Extendable Ladder** is a multipurpose ladder that can be used in different positions and working heights.

Use the ladder in the positions indicated in this manual. **Usage in any other position is considered improper and poses a significant safety risk to the user.**

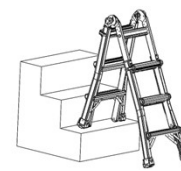


Storage



Stepladder/Trestle

(Page 08)



Stairway

(Page 08)



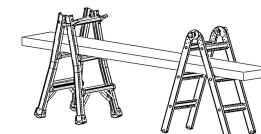
Straight / Extension

(Page 09)



Wall

(Page 10)



Scaffold Support
(Scaffold/plank not included)
(Page 11)

4. SAFETY



WARNING

- Never use ladder with missing, worn or damaged parts. Inspect ladder before each use.
- Only use manufacturer approved replacement parts.
- Destroy ladder if damaged, worn or exposed to fire or chemicals.



DANGER

ELECTROCUTION HAZARD

- Check for wires before using or moving ladder.
- Keep away from all wires.



For safety, follow these instructions.

PROPER SELECTION



- Refer to NOTICE label for Highest Standing Level, Working Load, Capacity and contact information.
- Select ladder size to reach work without climbing above the Highest Standing Level or Overreaching.
- Weight of user, tools, and materials shall not exceed Working Load.
- Use a fiberglass or wood ladder if working with or around electricity.

INSPECTION



- Inspect before use. Do Not use ladders with missing, loose, damaged, or non-operating parts.
- Make sure locks are in good working order.
- Replace heavily worn feet and illegible labels.
- Contact manufacturer for replacement parts.
- Keep ladder and Hinges clean and free of contamination that could cause slipping or impact the ladder's operation.

PROPER SET-UP & USE

- Look for overhead wires before raising and positioning the ladder.
- Set all four step/trestle ladder Shoes on a firm level surface.
- Do Not use Step/Trestle Ladder in closed position as a Straight leaning ladder.
- Position Straight Ladder Shoes on a firm level surface & side rails against a firm top support.
- Retract Straight Ladder or lower before moving.
- Extend straight ladder approximately 3' above top support for upper level (roof) access.
- Do Not move or adjust ladder from top.
- Do Not set-up and use in any position on slippery surfaces without securing from movement.

- Do Not use ladder if your judgement or balance is reduced by age, health, alcohol or drugs.
- Face ladder and use both hands when climbing up or down.
- Wear clean, slip-resistant work shoes.
- Lean into or hold onto ladder to maintain 3 points of contact while working.
- Do Not over-reach. Keep body centered between Side Rails.
- Climb down and move ladder as needed.
- Use care when pushing or pulling. You may lose your balance and tip the ladder or scaffold.
- Do Not climb on or off ladder from side unless ladder is secured against tipping or sideward motions.
- Have another person hold ladder or otherwise secure it when possible.
- Do Not stand on top two rungs.

4. SAFETY

ADDITIONAL SAFETY TIPS



- Read and follow all labels.
- Do Not set-up and use ladders or scaffolds in front of unlocked doors or in passageways unless locked, blocked, and guarded from ladder impact.
- Check that all ladder ends (top and bottom) are firmly supported to prevent excessive movement.
- Make sure the ladder is not placed on a slippery surface. Ladders set-up on drop cloths or plastic may present a sliding hazard.
- Lock all Articulated Joints (Hinges) and Lock Tabs before using the ladder.
- Do Not place objects on or under ladder or scaffold to gain height or use unstable means to adjust for uneven surfaces.
- To access an upper level or roof with a straight ladder, extend approximately 3 ft above the ladder's top support and secure to limit movement at top.
- Do Not set-up and use in high winds or during storms and never use a ladder as a brace.
- Set-up and secure ladder from movement before climbing where possible.
- When using as a Stepladder or Straight / Extension Ladder always face the ladder and maintain a firm grip or lean into the ladder.
- Never walk, bounce, or move any ladder while on it.
- The combined weight of a person, tools, and materials must not exceed the rated capacity of the ladder or scaffold.
- Only use components and accessories supplied by or approved by the manufacturer.

PROPER CARE OF PRODUCT



- Always keep ladders clean of all foreign materials.
- Inspect moving parts regularly.
- Lubricate the Articulated Joint (Hinge) regularly with light oil.
- Take care to not get lubricant on rungs or side rails.

For additional care, use
and safety instructions, contact:
Phone U.S.: 1-800-666-2811
Phone CANADA: 1-800-867-5233
E-mail: orders@louisvilleladder.com
www.louisvilleladder.com

TRANSPORT AND STORAGE



- Secure ladder from movement at vehicle support points to avoid wear and damage when transporting.
- Store ladder where protected from unsafe materials, impact or corrosion damage.
- Do Not leave ladder set up and unattended.

5. OPERATION & ADJUSTMENT

5.1 Articulated Joint (Hinge) Operation

For your safety, carefully follow these instructions:

The Hinges allow the ladder to be adjusted into the following positions: Stepladder/Trestle Ladder, Straight Ladder, and Storage.

Note: To set up the ladder in Stairway Position, Wall Position, or as a Scaffold Support Position, refer to the section titled “6. Ladder Set-up” for specific instructions

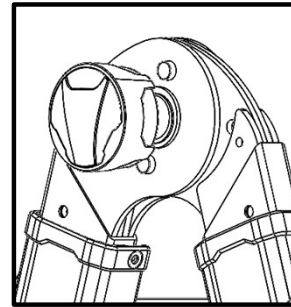
- **Operating the Hinges**

- Press both Palm Buttons inward toward the ladder’s center using the palm of your hand until each locking mechanism disengages. (Fig.1)
- With the Hinges unlocked, you may adjust the ladder’s angle. (Fig.2)
- With the ladder in the desired position, make sure both hinges are locked. (Fig. 3)

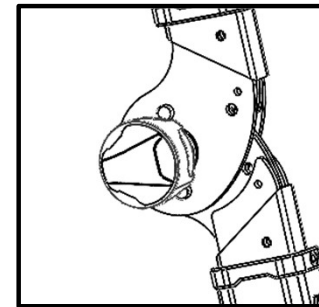
Note: It may be difficult to unlock the Hinges. To relieve binding pressure, move one side of the ladder back and forth until the Hinges can be disengaged by compressing the Palm Buttons INWARD. Do NOT use any tool to pry or manipulate the Hinges.

- **Adjusting the ladder Position**

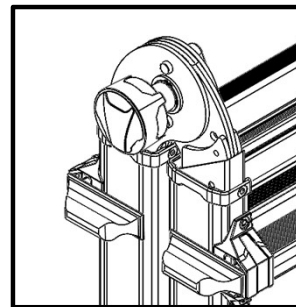
- To adjust the ladder position, first unlock both Hinges by pressing the Palm Buttons. (Fig.1)
- Rotate the sections to the desired position. (Fig.2)
- After positioning the ladder as needed, lock both Hinges in the desired position. (Fig.3)



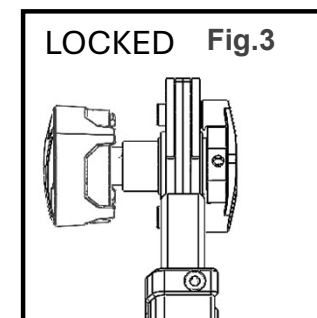
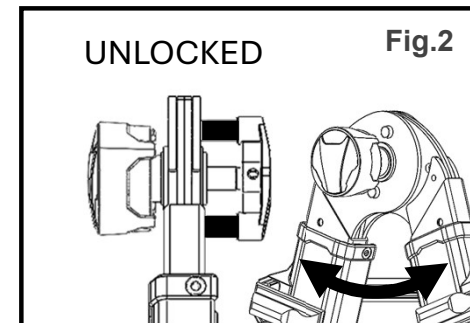
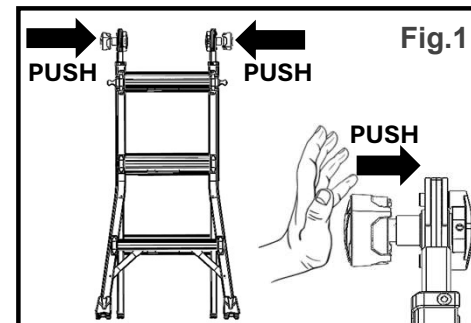
Stepladder/Trestle & Stairway



Straight Ladder



Storage



WARNING

- **Make sure both Articulated Joints (Hinges) are locked before using the ladder.**
- **Do Not unlock the Locking Articulated Joint (Hinge) when the ladder is in use.**

5.2 Lock Tab Operation



WARNING

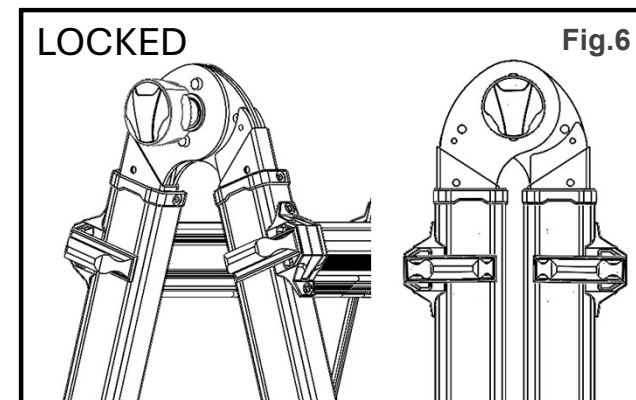
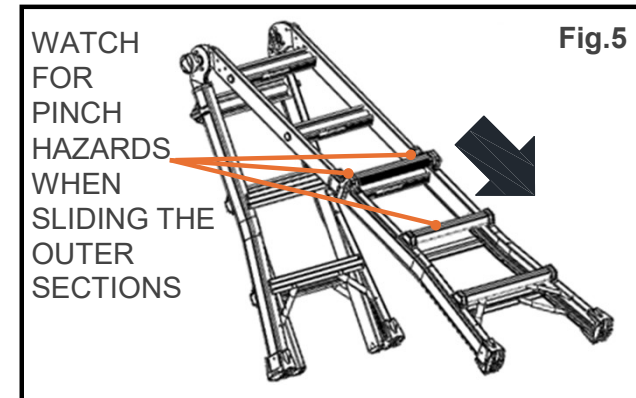
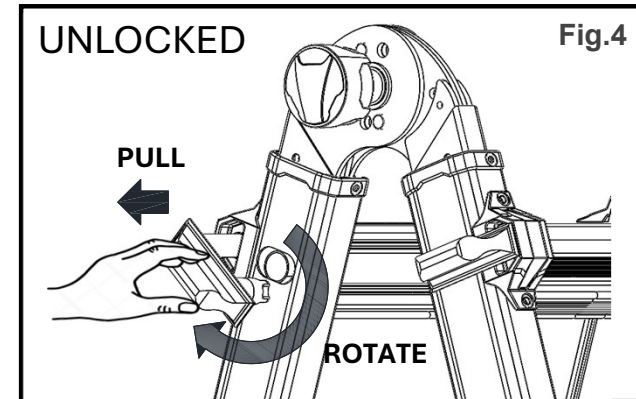
- While sliding sections, be careful of pinch points between rungs and braces.

The Outer Sections allow the ladder to slide and change heights. Each of these positions is made possible using the 4 Lock Tabs, 2 each on either side.

Various positions are made possible using the 4 Lock Tabs, 2 on each Outer Section. The Lock Tabs also allow the sections to be separated for use in the Scaffold Position. Each Lock Tab works independently allowing the user to position the ladder with one hand while engaging the Lock Tabs into the rung holes with the other hand.

To adjust the height of the ladder:

- Make sure the ladder is supported and stable before making any adjustments by maintaining a firm handhold and properly positioning the ladder.
- Unlock both Lock Tabs of ONE Outer Section by pulling outward and rotating away from the rung holes (Fig. 4)
- Slide the Outer Section to the desired height then rotate and fully insert both Lock Tabs into the Inner Section rung holes (Fig. 5 & Fig. 6)
- Adjust the height of the other Outer Section following these same steps.



WARNING

- Make sure all 4 Lock Tabs are fully inserted into Inner Section rung holes before using the ladder.
- Do Not unlock any Lock Tabs when the ladder is in use.

6. LADDER SET-UP

The Articulated Extendable Multipurpose Ladder can be used in the positions indicated in section titled “3. Positions”. The following instructions will demonstrate how to set-up the ladder in each position.

6.1 Stepladder/Trestle & Stairway

Stepladder/Trestle

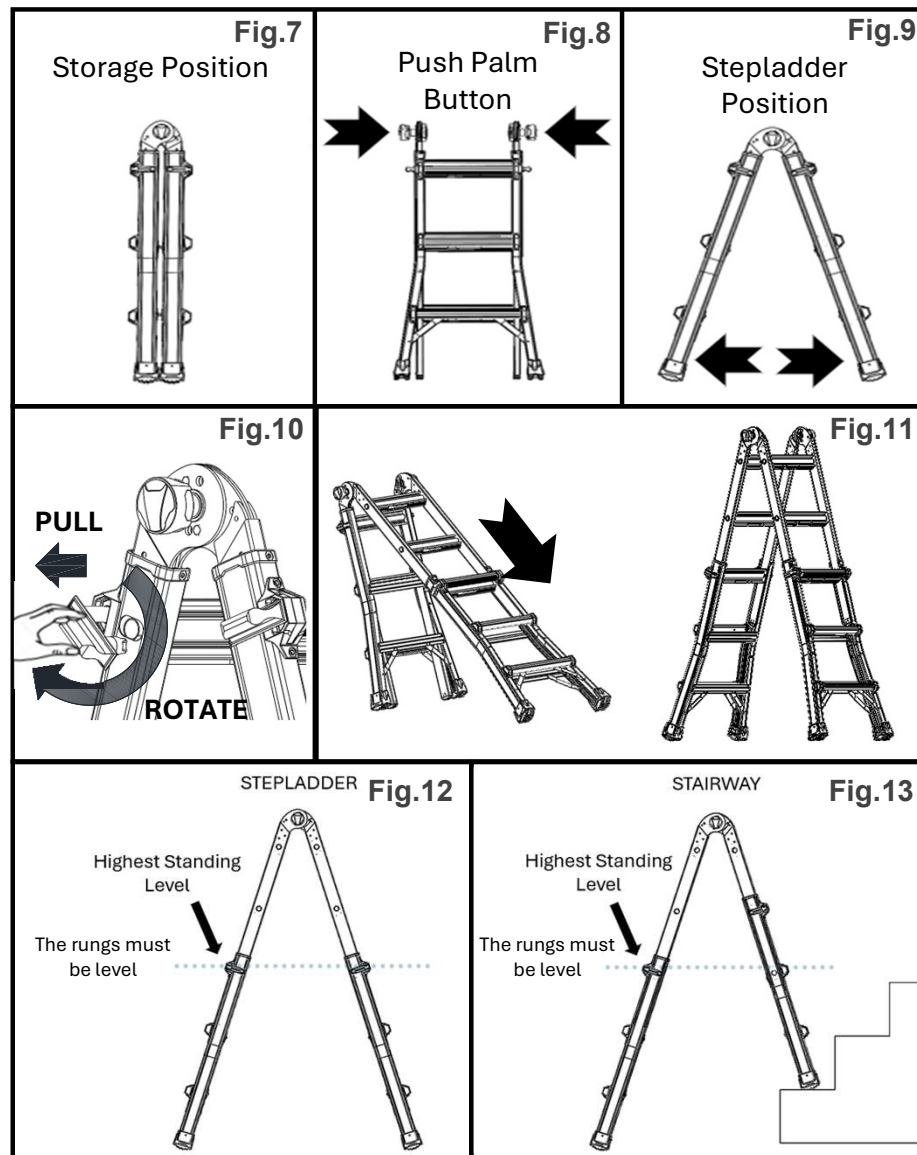
- Starting from the Storage Position (Fig.7), push the Palm Buttons inward to unlock both Hinges (Fig.8). Open (separate) the sections until the ladder is in the Stepladder Position (Fig.9). For additional instructions see 5.1 Articulated Joint (Hinge) Operation.

- To increase the ladder height: Release both Lock Tabs on one Outer Section at a time (Fig.10) and slide to the desired height (Fig.11). Fully insert both Lock Tabs into the Inner Section rung holes. For additional instructions see 5.2 Lock Tab Operation.

After both Outer Sections are adjusted, make sure both climbing sections are at the proper angle and rung treads are level front to back as shown.

Stairway

- From the Stepladder Position (Fig.12), shorten the height of one Outer Section to fit the staircase as shown (Fig.13). For additional instructions see 5.2 Lock Tab Operation.
- Place the shortened side of the ladder onto a step so that both climbing sections are at the proper angle and Rung treads are level front to back. This may require additional height adjustment of the Outer Section and placement of the shoes on a different step (Fig.13).



- Make sure both Hinges are locked, and all 4 Lock Tabs are fully inserted into the Inner Section rung holes before using the ladder.
- Do Not stand on or above the top two Rungs or straddle the top of the ladder.

6.2 Straight / Extension Ladder

Bring the ladder to the work area before set-up.

Starting from the Stepladder position, push the Palm Buttons inward to unlock both Hinges. Continue to open (separate) the sections until the ladder is locked in the Straight position and lower it to the ground. (Fig. 14)

For additional instructions see 5.1 Articulated Joint (Hinge) Operation.

To increase the ladder height:

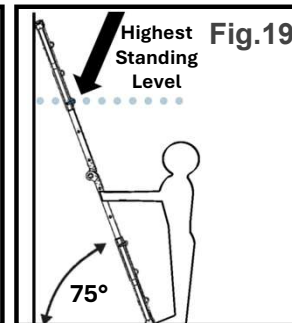
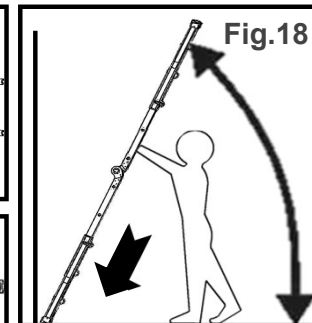
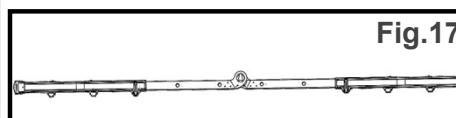
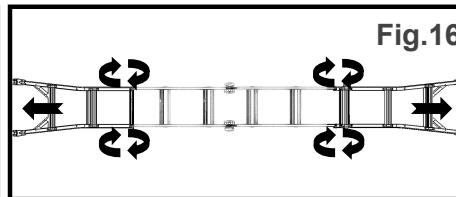
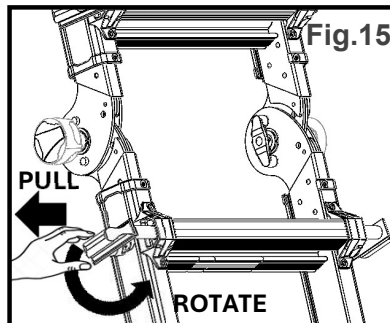
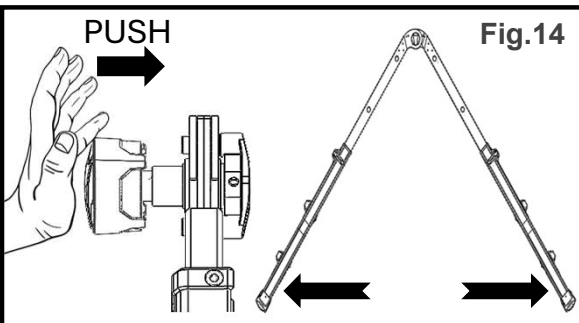
- Unlock both Lock Tabs of one Outer Section by pulling outward and rotating away from the rung holes (Fig. 15). Slide the Outer Section to the desired height then rotate and fully insert both Lock Tabs into the Inner Section rung holes (Fig. 16). For additional instructions see 5.2 Lock Tab Operation.
- Adjust the height of the other Outer Section following these same steps.

Lifting the Ladder for Use in the Straight Position:

- Place the ladder on the ground with the Rungs of the Outer Section facing downward. (Fig. 17)
- Position the Shoes of the ladder against the wall where the ladder will be used. Starting at the top end, raise (walk) the ladder upward with both hands by grasping the rungs and side rails until both top rails are resting against the support surface (wall). (Fig. 18). Lift the ladder slightly and pull the Shoes away from the top support surface (wall) until the ladder is leaning at an angle and stable. (Fig. 19).

To ensure the ladder is at the correct 75° angle before use, follow these steps:

- Place toes against the bottom of the ladder side rails and stand upright. Do not lean forward or backward.
- Adjust the ladder angle so you can grasp both side rails at shoulder level with arms straight. (Fig. 19). Support both upper side rails against a firm support.
- Before ladder use, be sure both ladder feet are on a firm level surface, both upper side rails are placed against a firm support, and Hinges and Lock Tabs are locked.



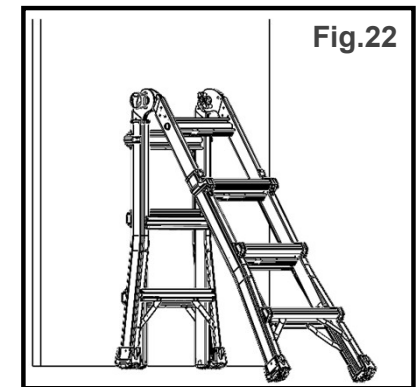
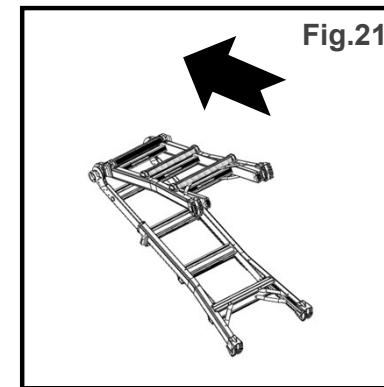
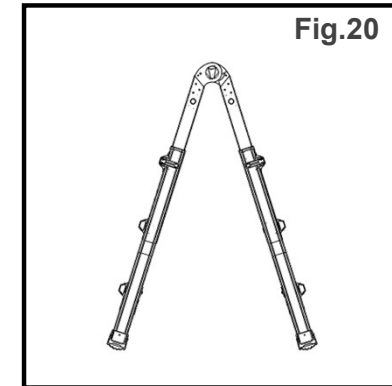
WARNING

- Make sure both Hinges are locked, and all 4 Lock Tabs are fully inserted into the Inner Section rung holes before using the ladder.
- Do Not stand on or above the top two rungs.
- Only one person shall be on the Straight/Extension ladder.

6.3 Wall

- Starting from the Stepladder Position, adjust the ladder to the desired work height. (Fig. 20)
- Retract one Outer Section by only **ONE RUNG** and be sure both Lock Tabs are fully inserted into the Inner Section rung holes (Fig. 21).
- Do Not retract the Outer Section more than one rung. For additional instructions see 5.2 Lock Tab Operation.
- The shortened ladder side MUST be placed against a wall before use (Fig. 22).
- Do Not use a ladder in the Wall Position unless the shortened section is placed against a wall or it could tip.

Note. The section leaning against the wall must always be **ONE Rung shorter than the opposite section**. If you extend the wall-side section to its maximum height, it cannot be used in wall position.

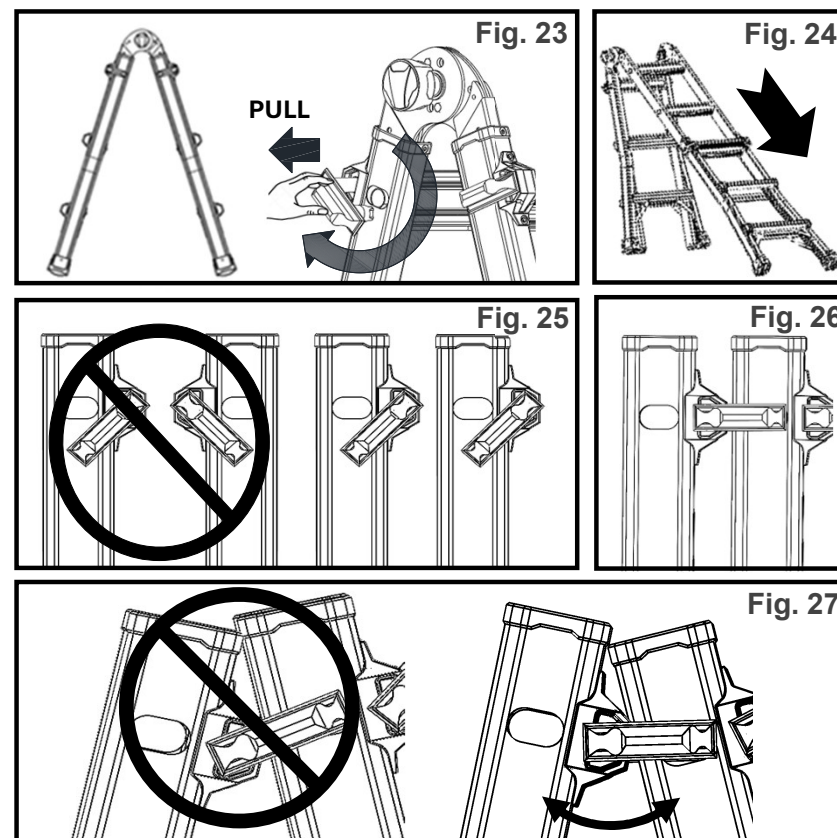


WARNING

- Make sure both Hinges are locked, and all 4 Lock Tabs are fully inserted into the Inner Section rung holes before using the ladder.
- Do Not stand on or above the top two rungs or straddle the top of the ladder.
- Only one person shall be on the wall position ladder.
- The shortened side must always be placed against a wall before use.

6.4 Scaffold (Plank) Support – Part 1

- Starting from the Stepladder Position, release the Lock Tabs on one of the Outer Sections (Fig. 23). Extend the Outer Section until it is completely separated from the Inner Section (Fig. 24).
- Lay the ladder on level ground and separate the opposite Outer Section.
- Take both Outer Sections and place them parallel to each other, positioning one section in front of the other. **Make sure the Rungs of both sections are facing the same direction (Fig. 25).**
- Fully insert both Lock Tabs of the rear Outer Section into the Lock Tab holes of the front Outer Section (Fig. 26).
- Fully separate the Shoes of the Outer Sections to create a scaffold support. Be sure the Lock Tabs are approximately horizontal with the top of the front Outer Section resting under the rail end cap of the rear Outer Section. See Fig. 27 for the correct position of the Lock Tabs and side rails.



WARNING

- Inspect scaffold set-up before use:
 - Scaffold Supports must have Hinges and Lock Tabs locked.
 - Both Scaffold Supports shall be placed on firm level ground.
 - Do Not place the plank at a height greater than three times the minimum base width. (See Table 1 and Fig. 29)
 - Each end of the plank must extend at least 6 inches past the support rung.
- Access the plank with a separate ladder that is secured from movement.
- Do Not place other objects under the Scaffold Supports or on the plank to gain additional elevation.

6.4 Scaffold (Plank) Support – Part 2

- Place both Scaffold Supports (Inner Section and combined Outer Section) on a surface that will remain firm and level under 4 times the working load and that is free of loose materials that could allow slipping.
- Do Not use either scaffold support as a stepladder.
- Use a suitable 12" wide load rated plank for the job (not included). One suitable plank option is the **Louisville Ladder LP-2921 series telescoping planks**. The combined weight of one worker, plank, equipment, and materials must never exceed the plank load rating and ladder load rating, whichever is lower.
- Position the plank between the two Scaffold Supports so that it is no higher than the second highest rung from the top or the third rung above the ground, whichever is lower. (Fig. 28). This plank position ensures that the standing height is never greater than three times the minimum base section width as required by safety standards. (See Table 1 and Fig. 29)
- Each end of the plank must extend over the support rung by at least 6 inches. Do Not step onto the plank extension (overhang).
- Plank use is for one person. Access the plank with a separate ladder that is secured from movement.
- Do Not climb onto the plank using either of the Scaffold Supports.

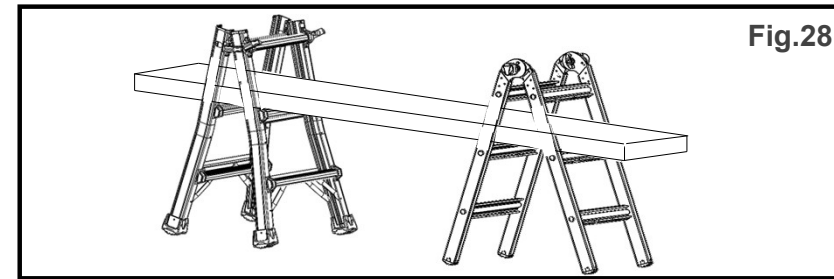


Fig.28

Table 1			
Model: L-2099	-14	-18	-22
	-14C	-18C	-22C
Highest allowable plank position	25"	36"	36"

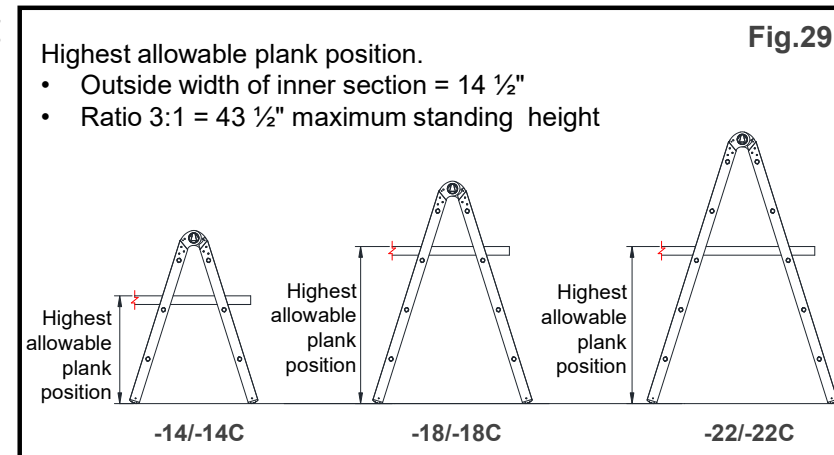


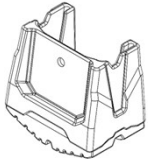
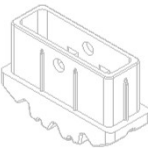
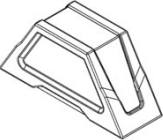
Fig.29



WARNING

- Inspect scaffold set-up before use:
 - Scaffold Supports must have Hinges and Lock Tabs locked.
 - Both Scaffold Supports shall be placed on firm level ground.
 - Do Not place the plank at a height greater than three times the minimum base width. (See Table 1 and Fig. 29)
 - Each end of the plank must extend at least 6 inches past the support rung.
- Access the plank with a separate ladder that is secured from movement.
- Do Not place other objects under the Scaffold Supports or on the plank to gain additional elevation.

7. REPLACEMENT PARTS

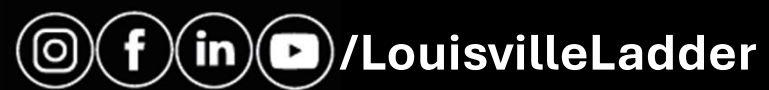
SKU	IMAGE	DESCRIPTION	UOM.	QTY.
PK1314		MULTIPURPOSE LABELS	KIT	1
PK1315		MULTIPURPOSE OUTER SECTION SHOES	PCS.	4
PK1316		MULTIPURPOSE INNER SECTION SHOES	PCS.	4
PK1317		OUTER SECTION STEP CAPS	PCS.	8

For replacement parts, labels, or additional product information, please contact:



7765 National Turnpike
 Unit 190 Louisville, KY 40214
 U.S.: 1-800-666-2811
 CANADA: 1-800-867-5233
 E-mail: orders@louisvilleladder.com

It's recommended to have the ladder's model number available, which can be found on the NOTICE label.



/LouisvilleLadder

www.louisvilleladder.com