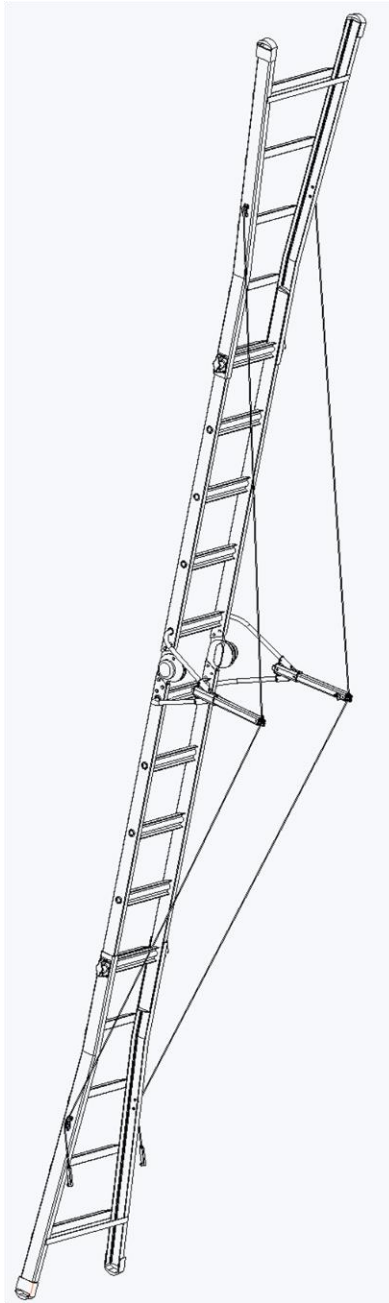


Stiff Arms™ Ladder Stiffener

for use on

Articulating Ladders



Assembly, Set Up and Use Manual

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General Information

Introduction

Congratulations on the purchase of your new *Stiff Arms*™ Ladder Stiffener, for use on articulating ladders. Your new ladder stiffener is an effective tool to increase the rigidity of your ladder and create a safe climbing platform. You have taken an important step towards increasing your ladder safety and are to be commended for promoting safety around the home and at the worksite. To ensure the best experience and maximum benefit from using this product, it is critical that you read and understand this manual before you begin using the *Stiff Arms*™ Ladder Stiffener. If you have questions regarding its assembly and/or use after reading this manual, please refer to our Assembly and Use videos, available online at companyname.com/support, or you may call our Support team at 1-800-XXX-YYYY, between 8:00 – 5:00 pm EST, and they will be happy to offer assistance.

Yours in Ladder Safety,

Company Name

Important Safety Information

It is the sole responsibility of the purchaser of this *Stiff Arms*™ Ladder Stiffener to instruct all individuals, whether they are the end user or supervising personnel, on the proper usage of this product. *Company Name* recommends that all users of this product be informed of the following safety information prior to use.

1. Read and keep these instructions.
2. Heed all warnings and follow all instruction.
3. Use the *Stiff Arms*™ Ladder Stiffener only for its intended purpose of structurally stiffening your articulating ladder, as described in this manual.
4. Never support or suspend objects or tools on the Ladder Stiffener arms or cables.
5. Never hang from the Ladder Stiffener arms or cables.
6. Routinely check the condition of all Ladder Stiffener components. Immediately replace damaged, worn, or broken parts and do not use the Ladder Stiffener until all repairs are completed. Contact companyname.com/support for replacement parts.
7. Always inspect the attachment of the cable anchors and cable clamps to the rail brackets prior to use to ensure the connections are in place and secure.
8. Always ensure the arms are fully inserted into the interior of the ladder rungs, prior to using the ladder and Ladder Stiffener.
9. Never attempt to adjust the length of the Ladder Stiffener arms while standing on an upright ladder. Always adjust arm length and position while the ladder is lying on the ground.

10. Always watch for power lines. The cables and arms on the Ladder Stiffener are electrical conductors. Never use your ladder and the Ladder Stiffener near any electrical current as shock or electrocution can occur.
11. Never place your ladder on an unlevel surface without the use of a ladder leveling product. Your *Stiff Arms*™ Ladder Stiffener removes the sway and motion from the ladder, but it will not prevent it from falling if used on unlevel ground.
12. Never exceed your ladder's rated weight limit.
13. Always keep your body between the rails of your ladder when ascending, working on, or descending your ladder. Never shift your body outside of the ladder's rails.
14. Always maintain a 3-point (two hands and a foot, or two feet and a hand) contact with the ladder, and always face the ladder while climbing.
15. Always follow all ladder safety and use instructions provided by the ladder manufacturer.

Assembly

Tools Required



Safety Glasses



Scissors



#2 Phillips
Screwdriver



3/8" Wrench



Electric Drill



3/16" Drill Bit

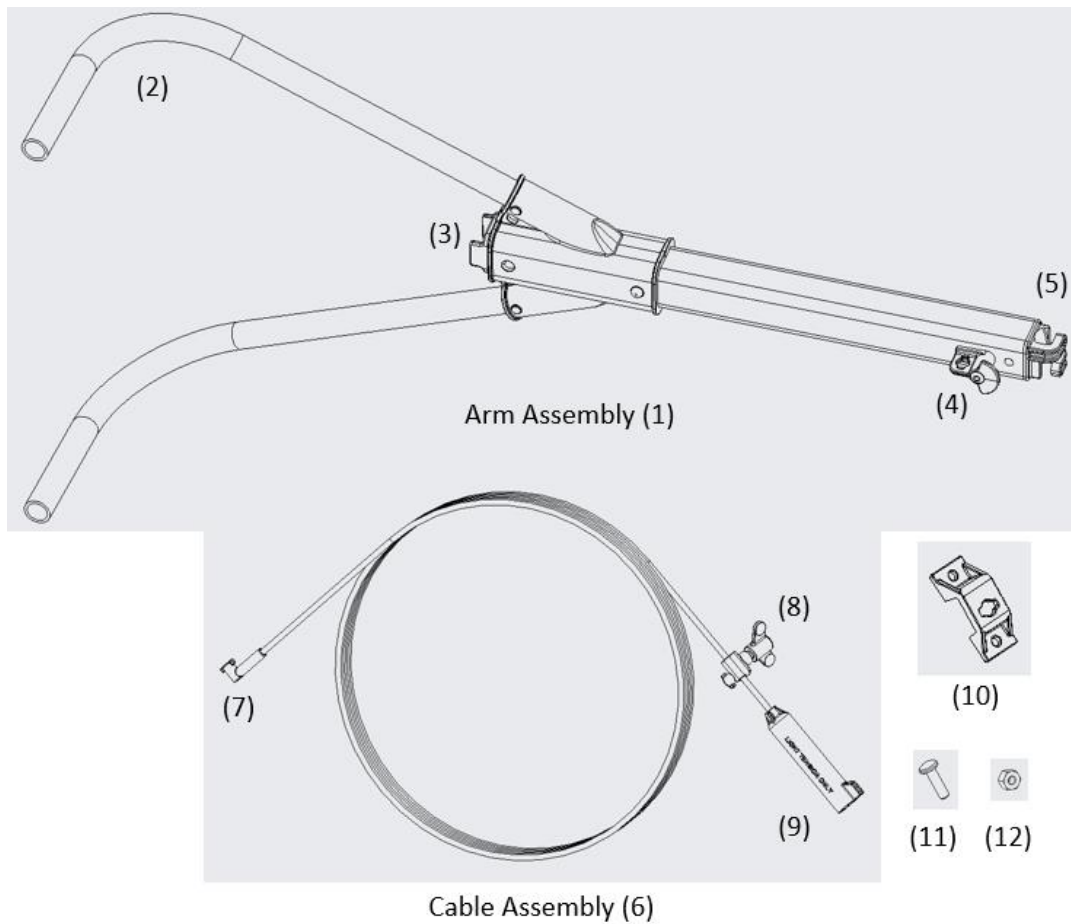


Tape Measure



Pencil

Parts & Hardware List

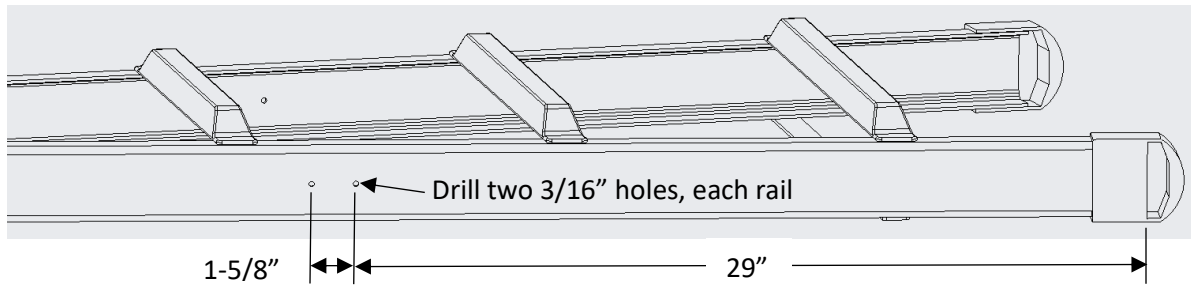


Item	Description	Qty	Part Number
1	Arm Assembly	2	AF1-Axx*
2	Tube, Arm	4	FD1-112
3	End Cap, Arm	2	MN1-128
4	Cable Storage Post	2	MN1-122
5	Cable Guide	2	MN1-109
6	Cable Assembly	2	AD1-Axx*
7	Anchor	2	CV1-103
8	¼-20 Wing Screw	2	BS1-104
9	Tensioning Handle	2	MN1-118
10	Cable Clamp Bracket	4	MN1-117
11	10-24 x ¾" Pan Head Screw	8	
12	10-24 Nylock Nut	8	

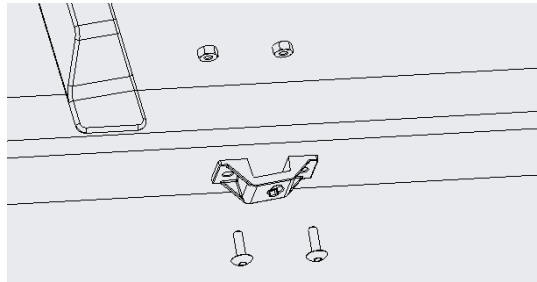
* xx = length of ladder, eg. AD1-A22 is cable assembly part number for a 22 ft articulating ladder.

Assemble the Cable Brackets

1. Measure 29" and 30-5/8" from the foot of each rail and mark hole locations, centered on the width of the rail. Drill two 3/16" diameter holes in each of the four rails.

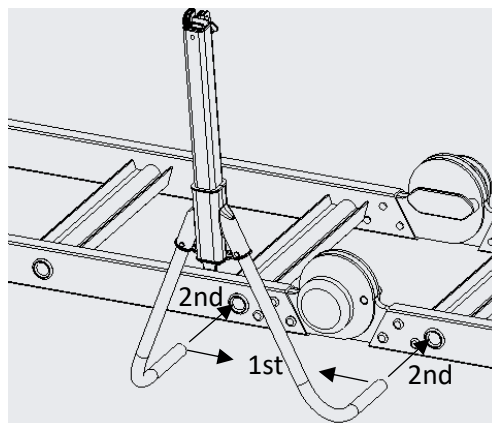


2. Using the supplied #10-24x3/4" pan head screws and locknuts, attach the four brackets (MN1-117), with the top bracket surface sloping downward towards the foot of each rail.

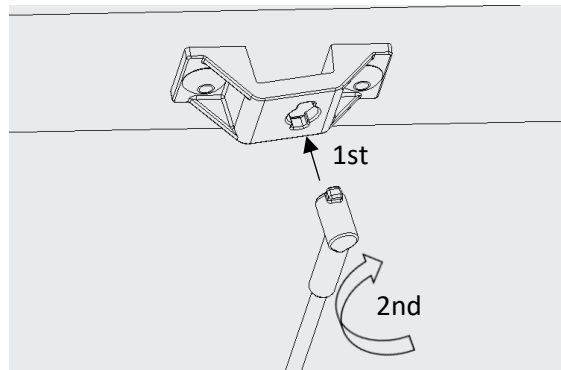


Ladder Stiffener Set Up and Use

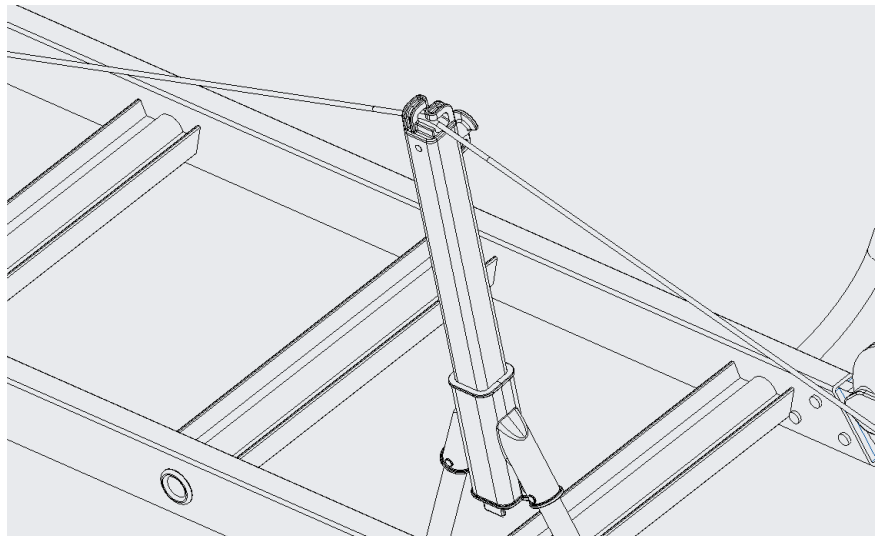
1. Unfold the ladder and lay it on the ground with the back, or non-climbing side, facing up.
2. Grip the ends of the round aluminum tubes of an arm assembly and deflect them slightly toward each other. Insert the tubes into the interior of the two middle-most rungs so one is on each side of the central hinge. Repeat with the second arm assembly.



3. Remove the cable from the storage brackets by squeezing the cable bundle. Holding onto the handle, walk the cable down towards what will become the bottom of the ladder.
4. Extend the arms to the desired length. The longer the arm setting, the greater the stiffening effect. Make sure, however, that the arms are not extended too far so that they contact the structure that the ladder will be leaning against.
5. Connect the cable anchors to the brackets on what will become the upper end of the ladder. To engage the bracket, insert the keyed protrusion through the matching keyhole, then rotate the anchor roughly a quarter turn.

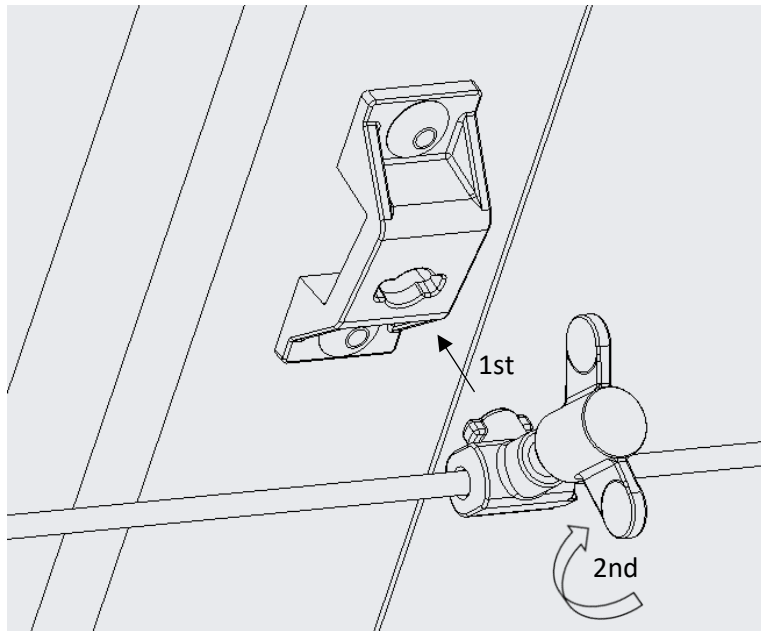


6. Insert the cable between the fingers of the cable guide on the end of each stiffener arm and then rotate to align the cable with the crowned guide seat.



7. Stand the ladder up and ensure the feet rest firmly on the ground. Level the ladder if necessary, side to side.

8. Connect the cable clamps to the lower brackets by engaging the keyed protrusion with the keyhole and then rotating roughly a quarter turn. Pull on the handle to remove cable slack and then firmly tighten the thumb screws by hand to clamp the cables.



9. You may now safely climb the stiffened ladder.
10. When your work is complete and you have gotten off the ladder, loosen the cable clamp thumb screws, and disengage the clamps from the lower brackets.
11. Lay the ladder down on the ground. Collapse the arms to their shortest length by depressing the spring buttons.
12. Remove the cable from the cable guides and disconnect the cable anchors from the upper brackets.
13. Lightly deflect the aluminum tubes of each stiffener arm toward each other and withdraw the arms from the rungs.
14. Attach the cable anchors to the storage post closest to the guide and coil the cable around the posts and the arm end caps for storage.