

# CLIMBER®



## PLASTERER'S STILTS

MODEL: APS-1830

Part No: 3500220

## ASSEMBLY & INSTRUCTION MANUAL

CE

GC01/09

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## INTRODUCTION

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Thank you for purchasing this CLARKE product

Before attempting to use the product, it is essential that you read this manual thoroughly and carefully follow all instructions given. In doing so you will ensure the safety of yourself and that of others around you, and you can also look forward to the product giving you long and satisfactory service.

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## GUARANTEE

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This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.

This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.

Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.

This guarantee does not effect your statutory rights.

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## ENVIRONMENTAL PROTECTION

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Do not dispose of this product with general household waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of appropriately.

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## PARTS & SERVICE

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For parts & Servicing, please contact your nearest dealer, or CLARKE International, on one of the following numbers.

**PARTS & SERVICE TEL: 020 8988 7400**

**PARTS & SERVICE FAX: 020 8558 3622**

**or e-mail as follows:**

**PARTS: [Parts@clarkeinternational.com](mailto:Parts@clarkeinternational.com)**

**SERVICE: [Service@clarkeinternational.com](mailto:Service@clarkeinternational.com)**

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## SAFETY PRECAUTIONS

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1. NEVER use stilts without having read and fully understood the instruction manual and any warning labels.
2. ALWAYS inspect the stilts thoroughly before use, making sure the stilts are free from any kind of damage. Check that there is no excessive wear at the connecting points and that all bolts are tight. Pay particular attention to the strut tube assemblies and securing wingbolts.
3. ALWAYS replace any damaged or excessively worn components before use.
4. ALWAYS remove any foreign material from the soles which could cause loss of traction.
5. ALWAYS keep straps tightly fastened and secured while working.
6. ALWAYS remove the stilts to adjust them unless assisted by another person.
7. ALWAYS take short and defined steps, lifting the stilts clear of the floor when walking.
8. ALWAYS make sure the stilts are properly adjusted before use.
9. ALWAYS look where you are stepping when working on stilts.
10. ALWAYS be sure to walk on suitably firm and level surfaces.
11. ALWAYS cover over any stairwells/floor opening.
12. ALWAYS remove the stilts when climbing or descending stairs.

12. ALWAYS ask for assistance when retrieving objects from the floor.
13. ALWAYS be cautious when working around low objects such as furniture.
14. NEVER wear stilts that are uncomfortable or out of adjustment.
15. NEVER use stilts with damaged, excessively worn or modified components.
16. NEVER walk on slippery surfaces.
17. NEVER use stilts on either soft, rocky or uneven terrain.
18. NEVER work close to uncovered floor openings, stairwells etc.
19. NEVER work around loose objects, tools, materials etc.
20. NEVER walk on planks or makeshift work surfaces.
21. NEVER carry heavy loads while walking on the stilts.
22. NEVER attempt to run or walk faster than normal while wearing stilts.
23. NEVER work on stilts that are taller than necessary.
24. NEVER stretch or lean across furniture or other low objects.
25. NEVER work on stilts while under the influence of alcohol or medication.
26. NEVER take large steps so as to strain the components of the stilts.
27. NEVER become over confident and fail to exercise caution.



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**WARNING: LOAD LIMIT 16ST 7LBS 105KGS/PAIR- DO NOT EXCEED THIS LIMIT.**

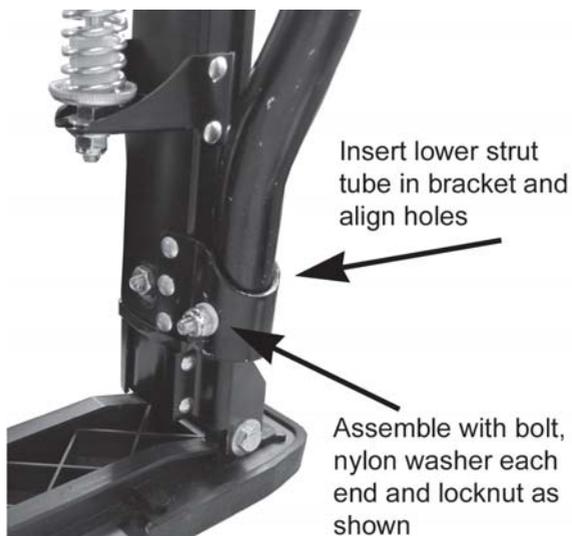
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## **ASSEMBLY**

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1. Loosen the tube clamp on each stilt. Insert the lower strut tubes up through the bottom of the tube clamps. Leave the tube clamps loose for now.
2. Attach lower strut tubes to the outer leg bracket with the attached 1 $\frac{3}{4}$ " x  $\frac{1}{4}$ " cap screw. Tighten well when the assembly is complete.
3. Slide the upper strut tubes down over the lower strut tubes and through the tube clamps. Position so that the leg bands are just above the fullest part of the leg calf. NOTE: Do not bend the leg bands.
4. Evenly tighten the leg tube clamps enough to prevent the upper tube from rotating when used. Do not overtighten as the tubes could become deformed and require replacement.
5. Position the tube clamps in the clamp bracket slots, according to your calf size, so that the stilts will stand straight when mounted, and tighten up well.
6. Attach the heel brackets to the footplates using the 10-24 x  $\frac{1}{2}$ " machine screws and nuts. Adjust the heel brackets so your outside ankle bone is directly over the rear pivot bolt, and tighten securely.



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# USING THE STILTS

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## WALKING PRECAUTIONS

Always take short, deliberate steps and walk with the stilts well apart. Large or over-extended steps can cause the springs to bottom out and place undue stress on the stilt components. This could significantly reduce the life of the stilts or result in breakage.

## REGULAR INSPECTION

Before use, inspect both stilts to ensure they are completely free of damage or undue wear, and that all the nuts and bolts are tight.

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# ADJUSTING FOR BEST FIT

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## STRAP TIGHTENING

**IMPORTANT:** When mounting the stilts, always attach the leg bands first, before the feet. When dismounting, always unbuckle the leg bands last after unbuckling the foot straps.

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# WALKING AND WORKING

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## LEARNING TO WALK

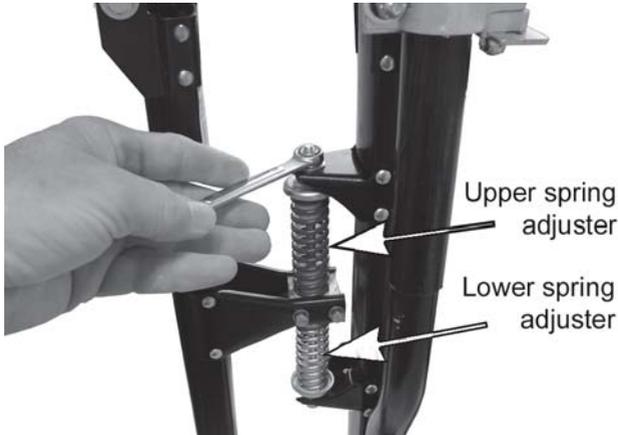
**IMPORTANT:** Read the safety section on page 4 before attempting to use the stilts. In order to develop safe working habits it is very important to observe the safety precautions when learning to walk on the stilts.

1. Select a clear and level area (preferably near a wall) but away from doors, floor openings, stairwells and windows etc. With the help of a colleague, mount the stilts and stand with your legs comfortably apart. Acquire your balance and relax.
2. Take slow, deliberate, short steps while keeping the stilts fairly well apart. Ensure that each step completely clears the floor. You should never drag or shuffle the feet. With an assistant on hand, walk slowly back and forth, making a U-turn to reverse direction.
3. Repeat the process until you feel comfortable and practice walking until you feel secure and are able to walk without an assistant. If needed, adjust the strut tubes and clamps until your stilts and legs are straight and comfortable.

## ADJUSTMENT FOR WALKING

Always remove the stilts before making adjustments. If you have a tendency to lean forward or backward while walking, you can adjust the springs as follows.

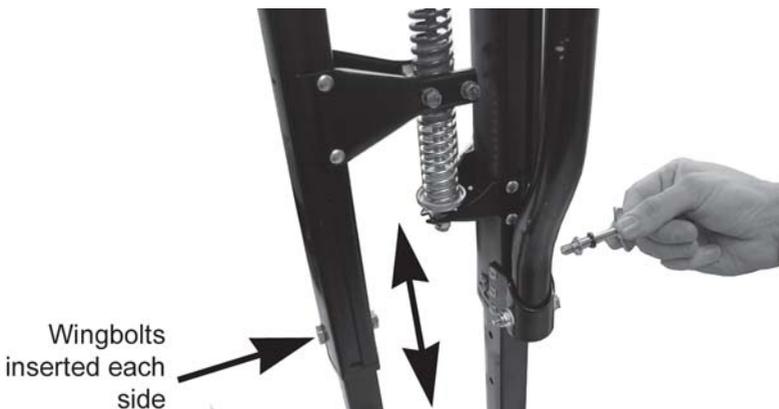
To correct for leaning backward while walking, tighten the lower spring adjuster. To correct for leaning forward while walking, tighten the upper spring adjuster.



Never tighten adjusters more than 1/5 of the way down, or approx. 15 turns as it will limit the stilt action and impose undue strain on the components.

## HEIGHT ADJUSTMENT

Remove the wingbolts on each stilt. Evenly pull the stilt legs out to the desired height, align the wingbolt holes in the legs and extension tubes, insert the wingbolts and tighten securely.

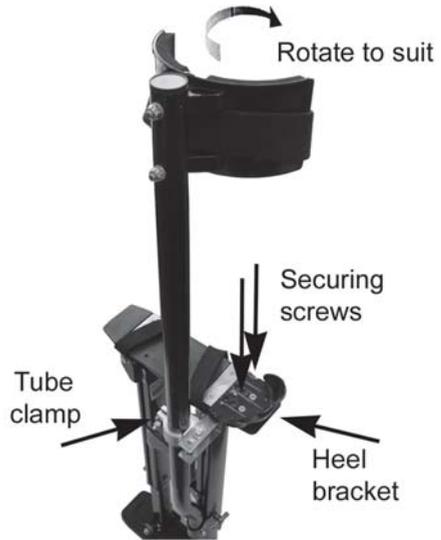


## FORWARD/REARWARD BALANCE

When standing erect, the stilts should be in a neutral and vertical position. If they have a tendency to lean forward or backward, make the following adjustments either with the help of a colleague or after removing the stilts.

1. If the stilts lean forward, loosen the tube clamps and rotate the legbands and strut tubes towards the rear and tighten the clamps. This adjustment can be used to correct the forward/backward balance.
2. If the adjustment requires that the legband be rotated to where it is uncomfortable, the heel brackets need to be adjusted in the same direction as the desired rotation, by means of the self-tapping screws in the heel bracket.

NOTE: Do not bend the legbands to fit your leg.



## LATERAL BALANCE

When standing erect, the legbands should apply a slight pressure against the side of your legs. If they pull outward or press excessively inward, make the following adjustments with the help of a colleague or after first removing the stilts.

1. Loosen the bolts and nuts in the slotted brackets which retain the tube clamps on each stilt.
2. Slide the strut tube assemblies & clamps in the direction necessary to apply a slight inward pressure to your legs. Tighten securely. Apply trial and error to obtain the optimum setting.



**WARNING: IMPROPERLY USED OR OUT OF BALANCE STILTS ARE NOT ONLY UNCOMFORTABLE AND TIRING, BUT COULD ALSO BE UNSAFE. NEVER ATTEMPT TO MAKE ADJUSTMENTS WHILE STANDING ON THE STILTS.**

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# MAINTENANCE

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## CARE AND LUBRICATION

1. Always inspect the stilts before use to ensure the structure is free from any damage and that there is no excessive wear at the hinge/connecting points and that all bolts are tight.
2. Ensure the moving parts are kept clean and free from dents or burrs. This includes any items that pivot or slide.
3. Lubricate moving parts with a silicone spray or white graphite powder. Never use lubricating products which remain wet and will therefore attract grit and other dirt.
4. Ensure the soles are in good condition and free from lubricants or foreign matter which could cause loss of traction.

***All components are replaceable. Refer to the parts list on Page 10 and always contact your Clarke dealer for genuine spare parts.***

No	Description	Part No
1	Replacement Strap Kit comprising: 2 x Leg Straps, 2 x Arch Straps, 2 x Toe Straps, 8 x Strap Mounting Screws	GCPSKIT1
2	Replacement Sole Kit comprising: 4 x Sole Pads, 16 mounting screws	GCPSKIT2

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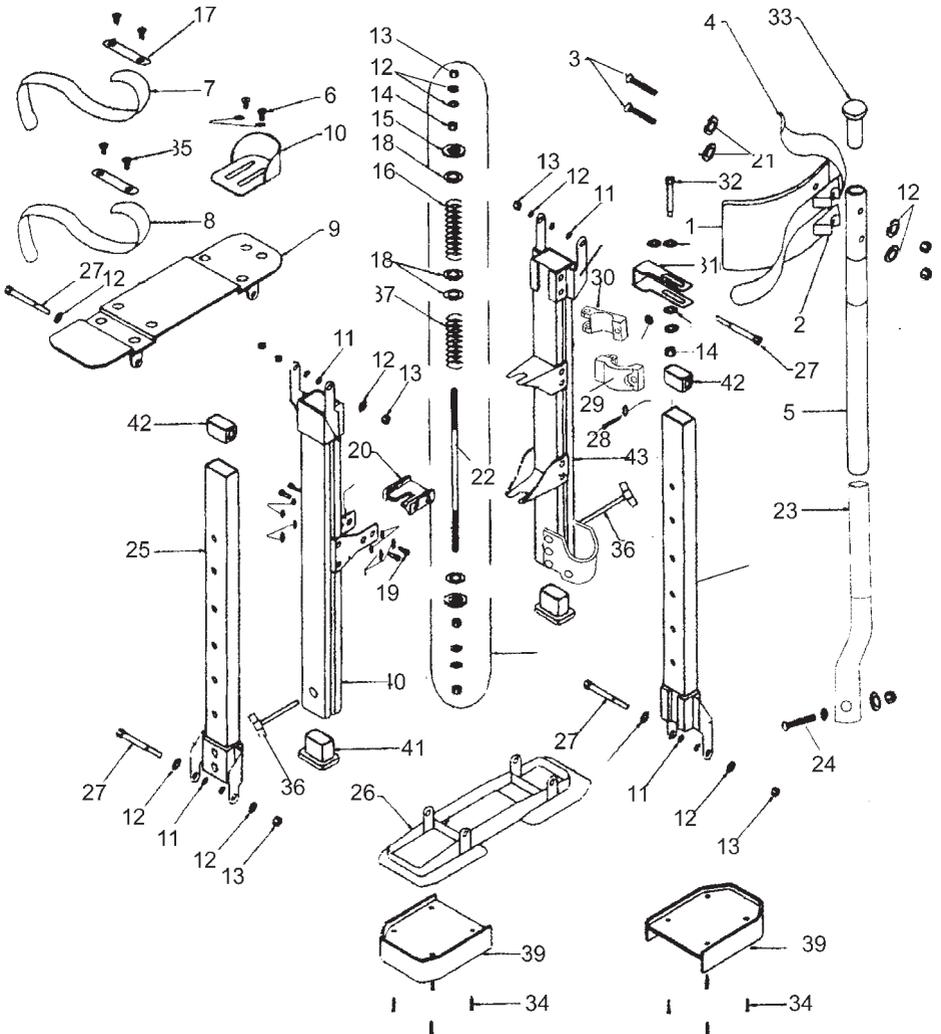
## TECHNICAL SPECIFICATION

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Item	Specification
Product weight (net)	6.5 Kg
Dimensions (L x W x H) mm	275 x 85 x (460-765) adjustable
Height adjustment	18" (460mm) to 30" (765mm)
Max working load (pair)	105 Kg (16st 7lbs)

Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

# PARTS DIAGRAM



# PARTS LIST

No	Description	Part No	Qty	No	Description	Part No	Qty
1	Leg band / neoprene pad	GCPS01	2	23	1"O/D lower strut tube	GCPS23	2
2	Leg band spacer	GCPS02	4	24	¼" x 1¼" hex bolt	GCPS24	2
3	¼" x 2"c/sunk bolt & locknut	GCPS03	4	25	Inner extension tube	GCPS25	4
4	Leg strap	GCPS04	2	26	Nylon floor plate	GCPS26	4
5	1½"O.D.upper sole pole	GCPS05	2	27	¼" x 3 hex hd bolt	GCPS27	8
6	½"machine screw & nut	GCPS06	4	28	¼" x 1½" clamp bolt & nut	GCPS28	2
7	Arch strap	GCPS07	2	29	Slide tube outer clamp	GCPS29	2
8	Toe strap	GCPS08	2	30	Slide tube inner camp	GCPS30	2
9	Nylon foot plate	GCPS09	2	31	3mm metal clamp bracket	GCPS31	2
10	Adjustable heel bracket	GCPS10	2	32	¼" x 1-5/8" bolt & locknut	GCPS32	2
11	Washer	GCPS11	16	33	Upper strut tube cap plug	GCPS33	2
12	¼"ID flat washer	GCPS12	8	34	Sole mounting screw	GCPS34	16
13	¼" locknut	GCPS13	8	35	Strap mounting screw	GCPS35	8
14	¼" nut	GCPS14	4	36	Wing bolt with washer	GCPS36	4
15	Spring adjuster	GCPS15	2	37	Lower coil spring - zinc plate	GCPS37	2
16	Upper coil spring - black	GCPS16	2	38	Complete sping assembly	GCPS38	2
17	2¾" x ¾" strap mounting metal plate	GCPS17	4	39	Replaceable sole	GCPS39	4
18	Nylon spring bearing	GCPS18	8	40	Forward adjustable leg extrusion	GCPS40	2
19	Hex HD Bolt c/w nut & washer	GCPS19	4	41	Lower large nylon plug	GCPS41	4
20	Spring divider packer	GCPS20	2	42	Upper small nylon spacer	GCPS42	4
21	Large leg-band support penny washer ¼"ID	GCPS21	4	43	Rear leg extrusion	GCPS43	2
22	7/8" x ¼"x Stud (threaded both ends)	GCPS22	2				

THE QUANTITIES SHOWN ARE TOTALS REQUIRED TO CONSTRUCT A COMPLETE PAIR OF STILTS

# A SELECTION FROM THE VAST RANGE OF

# Clarke®

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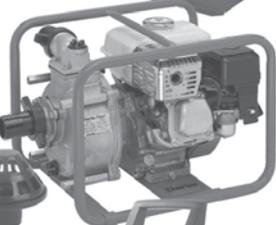
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