

TOOLPRO

Professional Stilts

Owner's Manual



ASSEMBLE YOUR NEW STILTS

STRUT TUBES

1. Loosen the tube clamps. Insert the lower strut tubes up through the bottom of the tube clamps. Do not tighten tube clamps at this time. (Fig. 1)

2. Attach the lower strut tubes to the safety-lock bracket with the attached cap screw & nylon lock nut. Then tighten.

(Fig. 2)



Fig. 1

3. Slide the upper strut tubes down over the lower strut tubes and through the tube clamps. Position the leg bands just above the large portion of user's calves.

4. Evenly tighten the tube clamps to prevent the upper strut tube from rotating when used. Over tightening the tubes could permanently deform them and require their replacement.

5. Position the tube clamps in the clamp bracket slots wherever you will find them comfortable. Tighten well. The stilts should stand straight when mounted.



Fig. 2

6. Attach the heel brackets to the footplates using the supplied screws and locking nuts (10-1/2" Phillips). Position the heel bracket so your lower leg is parallel to the upper strut tube.

HEIGHT ADJUSTMENT



The wing bolts should be adjusted by hand, and never with a tool. If hand tightening becomes difficult, dip the tip of the wing bolt in a lubricant.

1. Remove all 4 wing bolts and evenly extend the legs to the desired height.
2. Align the wing bolt holes in the legs and extension tubes.
3. Replace the 4 wing bolts and tighten them by hand. The end of the bolt should be visible and protruding about $\frac{1}{4}$ ".

Do not over tighten the wing bolts because it will damage your stilts.

Take the time to practice walking in these stilts to gain confidence before attempting to work or carry objects during use.

If you have any questions or concerns regarding the assembly of these stilts please contact the dealer where you bought them, or contact ToolPro.

**THESE STILTS HAVE A LOAD LIMIT OF 225 LBS –
DO NOT EXCEED THIS LIMIT.**

YOU SHOULD...

- Inspect your stilts before every use, making sure that there has been no damage and that there is no excessive wear at the connection points.
- Check that all bolts are tight. Special attention should be given to the strut tubes, tension springs, wing bolts and soles.
- Fasten the upper leg strap first when putting on stilts, then arch strap, then toe strap. Reverse order when taking the stilts off.
- Replace any damaged or excessively worn parts.
- Remove your stilts completely to adjust height or upper struts
- Periodically check that straps and wing bolts are tightly fastened and secure during use.

MAINTENANCE

CLEANING & LUBRICATION

Keep your stilts operating smoothly by ensuring the components are reasonably clean and free of dents.

- Rinse your stilts with water and scrub them with a soft, plastic bristle brush.
- Lightly lubricate the moving parts with a silicone based lubricant.

Soles must be kept free of lubricants; always inspect soles after lubricating to prevent injury.

NYLON SLEEVE REPLACEMENT

Remove wing bolts and footplate.

Pry the small sleeves from the extension tube before removing the large sleeves. Slide the large sleeves down the extension tubes until the large sleeve tabs are aligned. Insert the small sleeves over the top of the extension tubes until it clicks into place. Carefully insert the extension tube all the way into the stilt legs until the large sleeve tabs click into place.

Test before using to ensure smooth operation and proper range.

OPERATING GUIDELINES

INSPECT BEFORE WORKING

Develop the habit of inspecting your stilts before each use. Make certain the stilts are free of any sign of damage or excessive wear, and that all nuts and bolts are tight.

STRAP TIGHTENING SEQUENCE

When putting on stilts, always attach the leg straps first, when removing stilts, always unbuckle leg straps last.

- When putting stilts on, attach straps from knee down.
- When taking stilts off, unbuckle straps from toe up.

ADJUST THEM FOR YOUR WALKING HABITS

If you have a tendency to lean forward or backward adjust the tension springs to compensate.

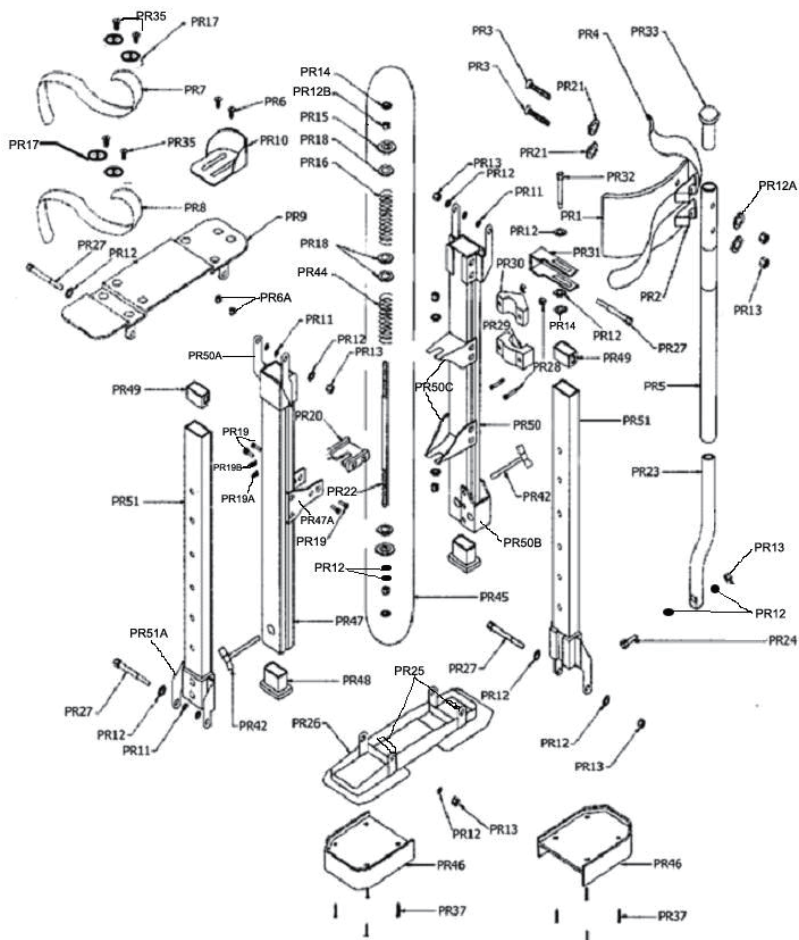
Make the following adjustments after removing your stilts.

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

To correct for leaning backward while walking, tighten the lower spring adjuster counter-clockwise.

Never tighten the spring adjusters more than 12 turns, as it will limit the needed flexing range. This can cause your stilts to break and injure you.

PARTS DIAGRAM



PARTS LIST

PN	DESCRIPTION	QTY
PR1	Leg band with pads	2
PR2	Leg band spacer	4
PR3	1/4"-20 x 2" machine screw with locknut	4
PR4	Adjustable leg strap	2
PR5-18	1-1/8" upper strut tube(TP01830 / TP71830)	2
PR5-24	1-1/8" upper strut tube(TP02440 / TP72440)	2
PR6	10-24 x 1/2" machine screw with nut	4
PR6A	Locknut	4
PR7	Adjustable arch strap	2
PR8	Adjustable toe strap	2
PR9	Foot plate	2
PR10	Heel bracket	2
PR11	Leg bearing	16
PR12	1/4" flat washer	21
PR12A	1/4" flat washer	16
PR12B	1/4" square nut	12
PR13	1/4"-20 locknut	12
PR14	1/4"-20 hex nut	4
PR15	Spring adjuster	4
PR16	Upper coil spring (dark brown)	2
PR17	3/4 strap mounting washer	8
PR18	Spring bearing	8
PR19	3/8" self threading screw	8
PR19A	#8 flat washer	12
PR19B	#8 lock washer	8
PR20	Spring Divider	2
PR21	Support washer for leg band	4
PR22	1/4"-20 x7-7/8" stud, threaded at both ends	2
PR23-18	1" OD lower strut tube (TP01830 / TP71830)	2
PR23-24	1" OD lower strut tube (TP02440 / TP72440)	2
PR24	1/4"-20 x1-5/8 cap screw	2
PR25	Foot plate bushing	8
PR26	Floor plate	2

PR27	1/4"-20 x 31/8" cap screw	8
PR28	1/4"-20 x 1-5/8 cap screw w/ square nut	4
PR29	Upper strut tube cap clamp	2
PR30	Upper strut tube support	2
PR31	Adjustable clamp bracket	2
PR32	1/4"-20 x 1-3/4" cap screw	2
PR33	Upper strut tube cap plug	2
PR35	Strap mounting screw	8
PR37	Sole mounting screw	16
PR42	Wing bolt	4
PR44	Lower coil spring (light brown)	2
PR45	Entire spring assembly (TP02454 Kit 4)	4
PR46	Replacement sole	4
PR47-18	Forward leg extrusion (TP01830 / TP71830)	4
PR47-24	Forward leg extrusion (TP02440 / TP72440)	4
PR47A	Center spring assembly bracket	4
PR48	Large nylon sleeve (lower)	4
PR49	Small nylon sleeve (upper)	4
PR50A	Upper foot plate bracket	4
PR50B	Lower strut tube locking bracket	2
PR50C	Upper & lower spring assembly brackets	4
PR51-18	Inner extension tube (TP01830 / TP71830)	4
PR51-24	Inner extension tube (TP02440 / TP72440)	4
PR51A	Lower foot plate bracket	4

REPAIR KITS

KIT 1	LEG BEARING KIT	TP02451
PN	CONTENTS	QTY
PR11	Leg bearing	16
PR12	1/4" flat washer	16
PR13	1/4" - 20 locknut	8
PR27	1/4" - 20 x 3" cap screw	8

KIT 2	STRAP KIT	TP02452
PN	CONTENTS	QTY
PR35	Strap mounting screw	8
PR17	Strap mounting washer	8
PR4	Adjustable leg strap	2
PR7	Adjustable arch strap	2
PR8	Adjustable toe strap	2

KIT 3	SOLE KIT	TP02453
PN	CONTENTS	QTY
PR37	Sole mounting screw	16
PR46	Sole floor plate	4

KIT 4	SPRING ASSEMBLY KIT	TP02454
PN	CONTENTS	QTY
PR45	Entire spring assembly	2

KIT 5	LEG BAND KIT	TP02455
PN	CONTENTS	QTY
PR1	Leg band with pad	2
PR2	Leg band spacer	4
PR3	1/4" - 20 x 2" flat head machine screw	4
PR12	1/4" flat washer	4
PR13	1/4" - 20 locknut	4

KIT 6	ADJUSTMENT CLAMP KIT	TP02456
PN	CONTENTS	QTY
PR29	Upper strut tube clamp	2
PR30	Upper strut tube support	2
PR31	Adjustable clamp bracket	2
PR13	1/4" - 20 insert locknut	2
PR12A	1/4" flat washer	4
PR17	Strap mounting washer	4
PR28	1/4"-20 x 1-3/4" cap screw w/ square nut	4
PR32	1/4"-20 x 1-3/4" cap screw w/ locknut	6

KIT 7	EXTRUSION BEARING KIT	TP02457
PN	CONTENTS	QTY
PR48	Large nylon sleeve (lower)	4
PR49	Small nylon sleeve (upper)	4

KIT 8	WINGBOLT KIT	TP02458
PN	CONTENTS	QTY
PR42	Wing bolt w/ lockwasher	4

KIT 9	HEEL BRACKET KIT	TP02459
PN	CONTENTS	QTY
PR10	Heel Bracket	2
PR6	10-24 x 1/2" machine screw w/ nut	4
PR32	1/4"-20 x 1-5/8 cap screw	4
