



Navigator

Assembly Instructions

BEFORE USE

See

User Instruction Manual

Defect as a result of incorrect assembly will not be covered under your product warranty

BEFORE USE

See

Bedienungsanleitung an

Defekte, die auf eine falsche Installation zurückzuführen sind, werden nicht durch unsere Produktgarantie abgedeckt

* Pro Version shown

Platform - Safety Rail Assembly

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Note: If assembling the platform with Folding Safety Rails first read the separate instructions included with Folding Safety Rail Bracket Kit.

Step 1- Fix the Rear Safety Rail to the rear of the Platform Kickrail. Use the M6 x 45mm Patchlok bolts (bluecoated) and screw in with the hexagon key leaving the bolt slightly loose (See illustration No. 1)

Note: Do NOT use Pneumatic or Electric drivers with Patch-Lok Fixings

Step 2- Fix the Lower LH Side Safety Rail to the Platform Kickrail. Slide the Safety Rail into the Kickrail. Place a M6 x40mm bolt through the top hole at the front of the Kickrail and fit a nut - *Finger tight only*. (See illustration No. 2)

Step 3- Fix the Lower LH Side Safety Rail to the Rear Safety Rail using two M6 x 65 bolts and nuts - *Finger tight only*. (See illustration No. 3)

Step 4- Fix the Upper LH Side Safety Rail to the Rear Safety Rail using two M6 x 65 bolts and nuts - *Finger tight only*. (See illustration No. 4)

Step 5- Fix the Upper LH Side Safety Rail to the Lower Side Safety Rail - *Finger tight only*. (See illustration No. 5) Repeat steps 2 to 5 for the other side rails. PRO Version repeat steps 2 & 3 only. Do not fit the RHS Upper Side Safety Rail

Step 6- Check that the rails are all aligned and use the hexagonal key and spanner to tighten all bolts. The M6 bolts must be tightened until firm. (See illustration No. 6)



Illustration 1

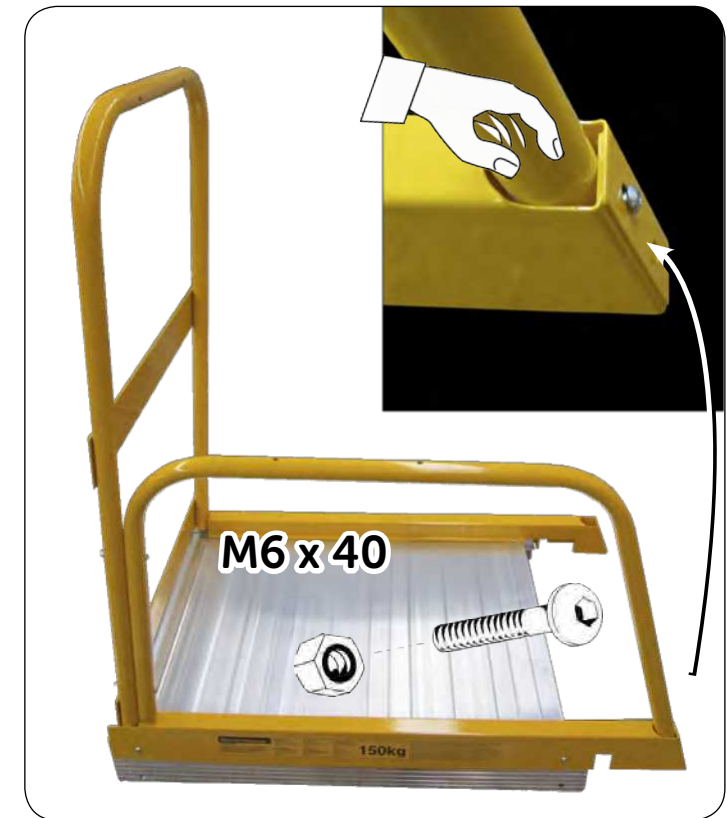


Illustration 2

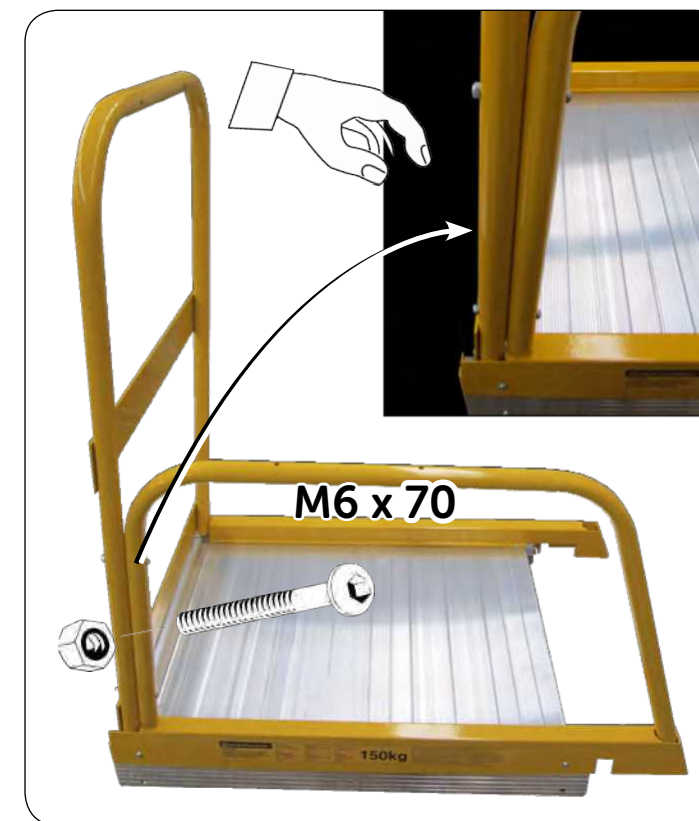


Illustration 3

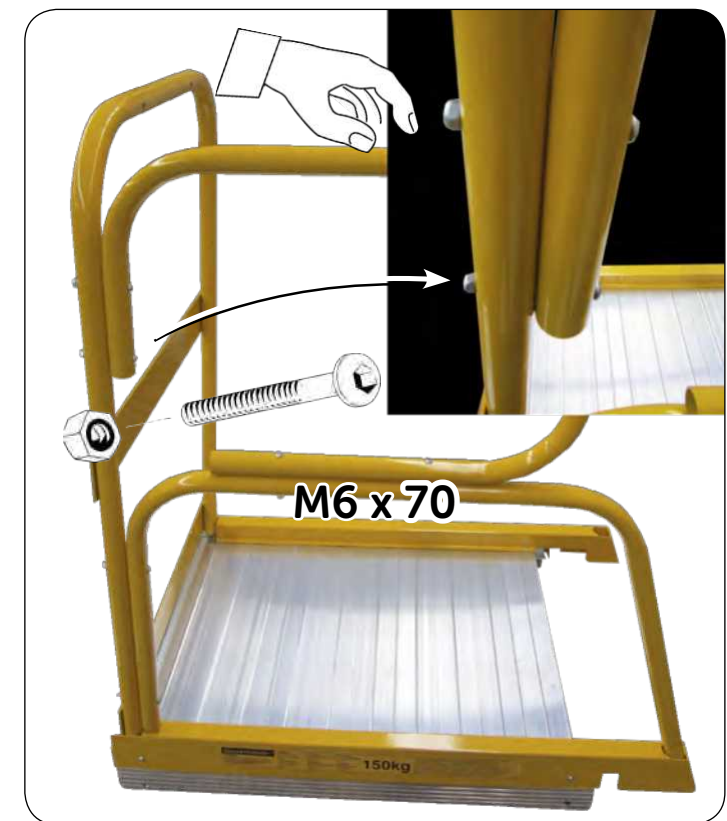


Illustration 4

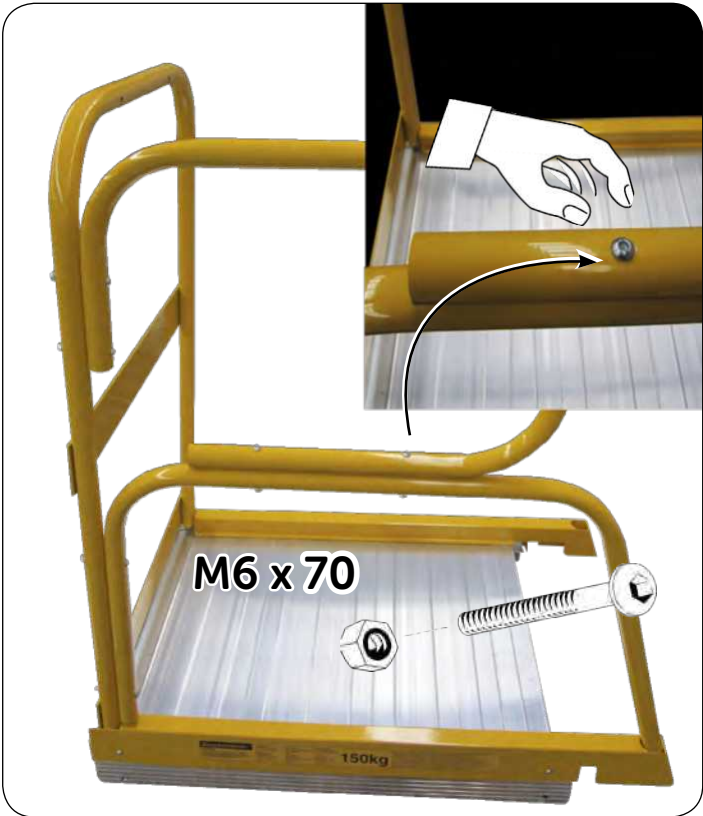


Illustration 5



Illustration 6

NEXT: For PRO Models - Proceed to Rota-Gate Assembly

(page 6)

NEXT: For Standard Models - Proceed to Ladder Frame Assembly

(page 10)

Rota-Gate Assembly

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Step 1- Fasten the Angle Rotating Bracket to the Lower Side Safety Rail at A and B using two M6 x 40mm Bolts and Nyloc Nuts - *Finger tight only.* (See illustration No. 1)

Step 2- Attach the Nylon Catch Plate to the inside of the Rear Safety Rail with two M6 x 50mm Bolts, Washers and Nyloc Nuts at C and D - *Finger tight only.* (See illustration No. 2)

Step 3- Close the Rotating Side Safety Rail as shown. Twist the Locking Knob 1/4 turn so the pin is fully extended and locate the pin in the Stricker Plate at E.. Tighten all bolts at A thru D untill *firm only.* (See illustration No. 3)

Step 4- Open and close the gate thru its full range ensuring it latches closed correctly. The holes in the Catch plate are elongated for fine adjustment. When all is correct tighten all fixings using the hex key and spanner provided.(See illustration No. 4)

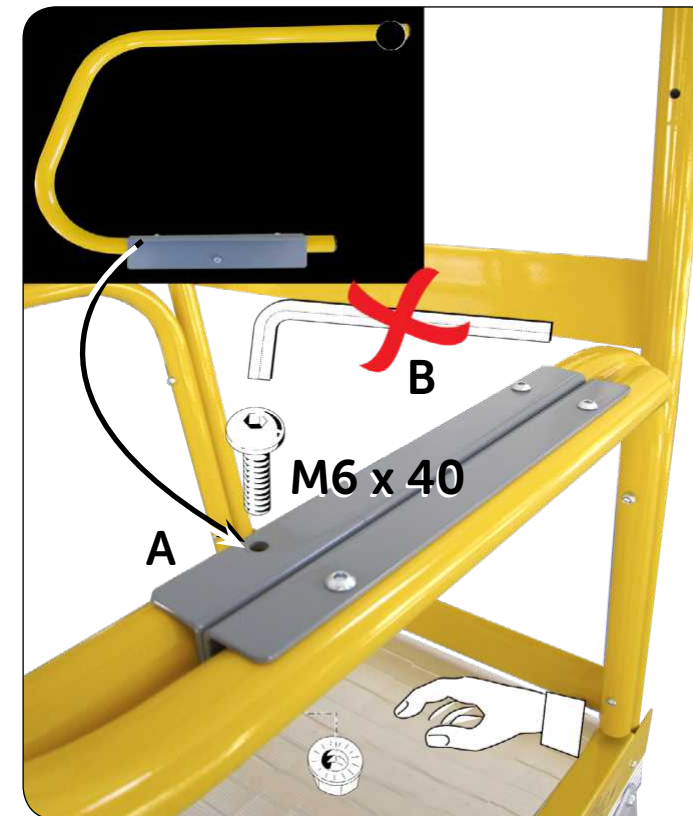


Illustration 1

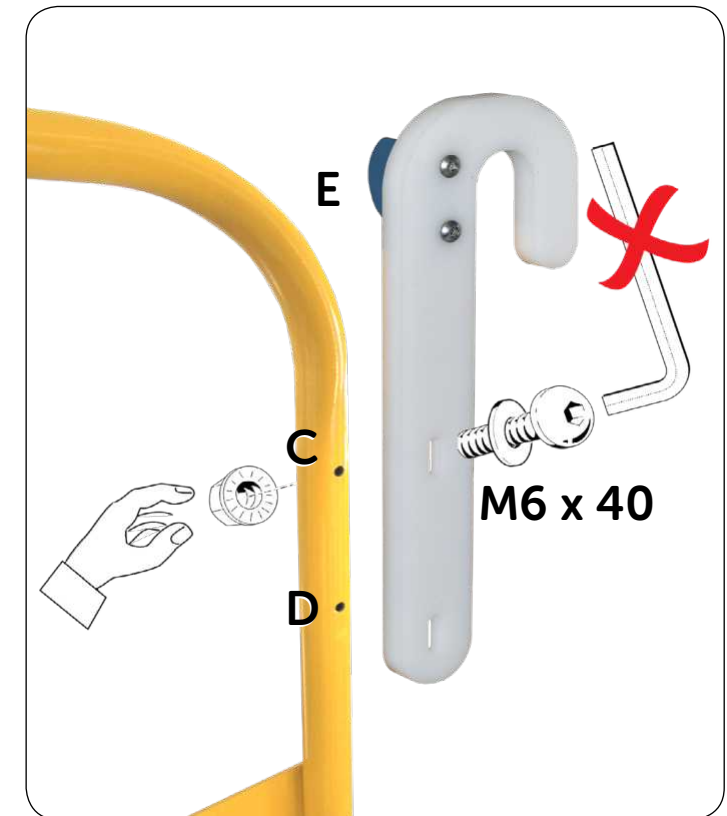


Illustration 2



Illustration 3

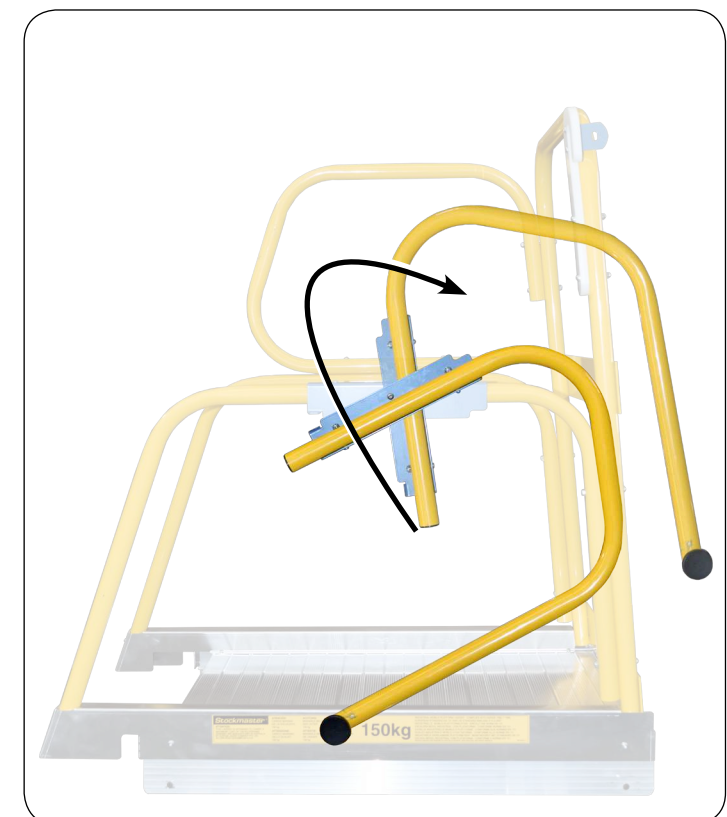


Illustration 4

NEXT: For PRO Models - Proceed to Auto-Gate Assembly

(page 8)

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Step 1- Remove the M6 x 65mm screw and nyloc nut at A from the LHS Upper Side Safety Rail as viewed from the entry point of the platform and discard. (See illustration No. 1)

Step 2- Align the Rear Tab of the Auto-Safe Gate Housing with hole position A in the LH Side Upper Safety Railing. Insert the longer M6 x 70mm screw supplied and tighten with a nyloc nut. (See illustration No. 2)

Step 3- Fit the supplied U Bolt around the Upper Side Safety Rail and pass thru the holes in the Auto Safe Gate Housing. Ensure the Gate is level and tighten using the washers and nyloc nuts supplied. (See illustration No. 3)

Step 4- Open and close the gate testing the Spring Auto Open Function and that the Gate Latch securely holds the gate in the closed position. (See illustration No. 4)

NEXT: All Models - Proceed to Ladder Frame Assembly

(page 10)



Illustration 1

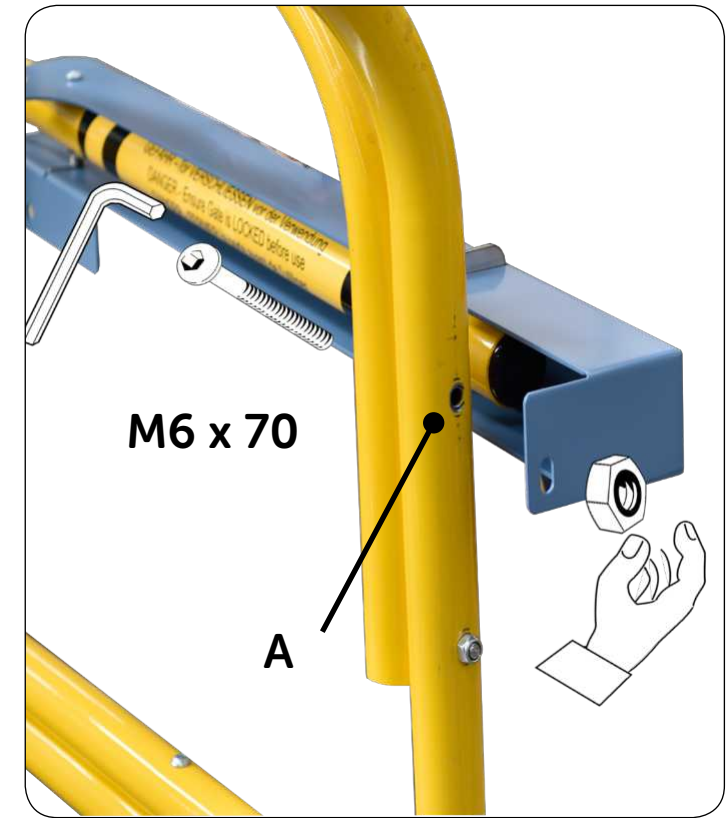


Illustration 2

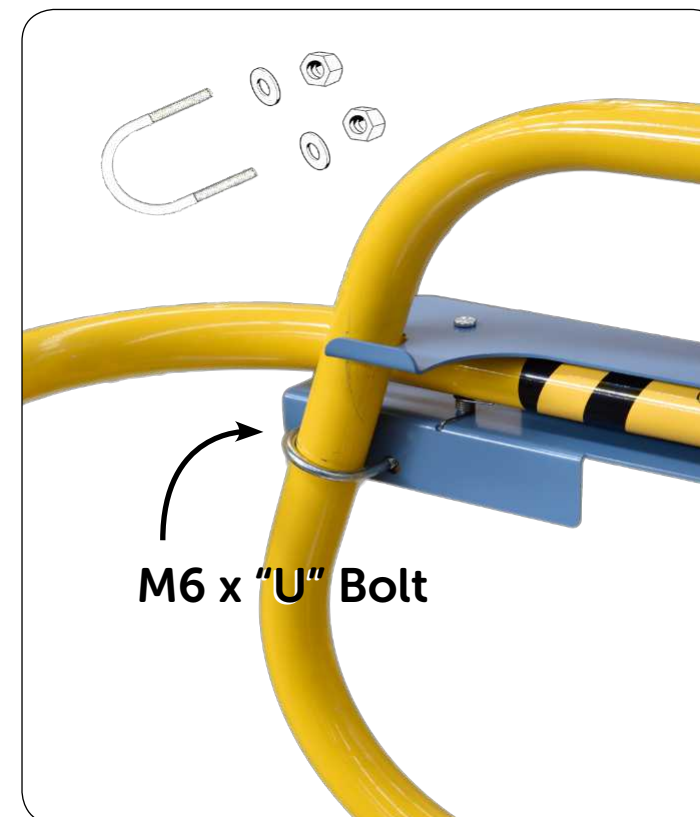


Illustration 3



Illustration 4

Ladder Frame Assembly

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - Do not stand the frames upright when assembling. Place the frames in the positions as shown in the illustrations. This assembly is done with the Stockmaster laying on its side.

Step 1- Lay the Rear Frame (without steps) on the floor. Check that the Flat Brace is at the floor level. If not, turn the frame over. Place the Platform over the frame as shown. (See illustration No. 1)

Step 2- Place one of the two Tube Braces under the Platform Safety Rail. (See illustration No. 2)

Step 3- Fix the other Tube Brace, Platform and Rear Frame together using a 10 x 20mm bolt and nut. *Finger tight only.* For ease, lift the Frame up slightly. Remove the Tube Brace from under the Platform Safety Rail and fit to the other side. (See illustration No. 3).

Step 4- Turn the Platform on its side, the Rear Frame will stand up. Place something under the Platform Rails as illustrated so the centre line of the Rear Frame is approximately parallel to the floor. (The long box may be used for this). (See illustration No. 4)

Step 5- Engage the Front Frame (with steps) into the Platform and fix together using a 10 x 20mm bolt and nut. *Finger tight only.* For ease, lift the Frame up slightly. Repeat this step for the other side. (See illustration No. 5)

Step 6- Fix the free ends of the Tube Braces to the Front Frame using 10 x 20mm bolts and nuts - *Finger tight only.* Do not tighten the 10mm bolts until advised. (See illustration No. 6)

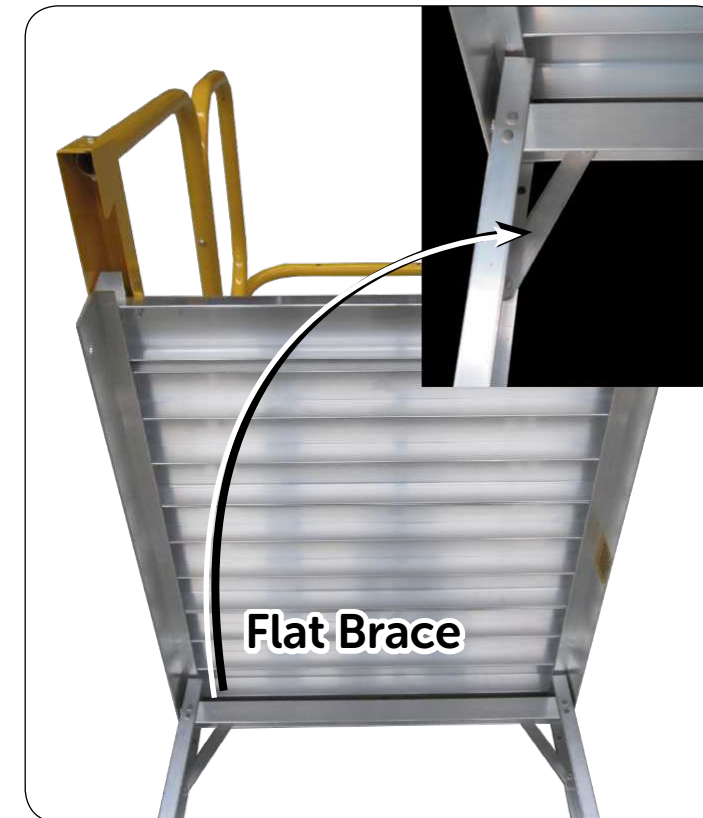


Illustration 1



Illustration 2

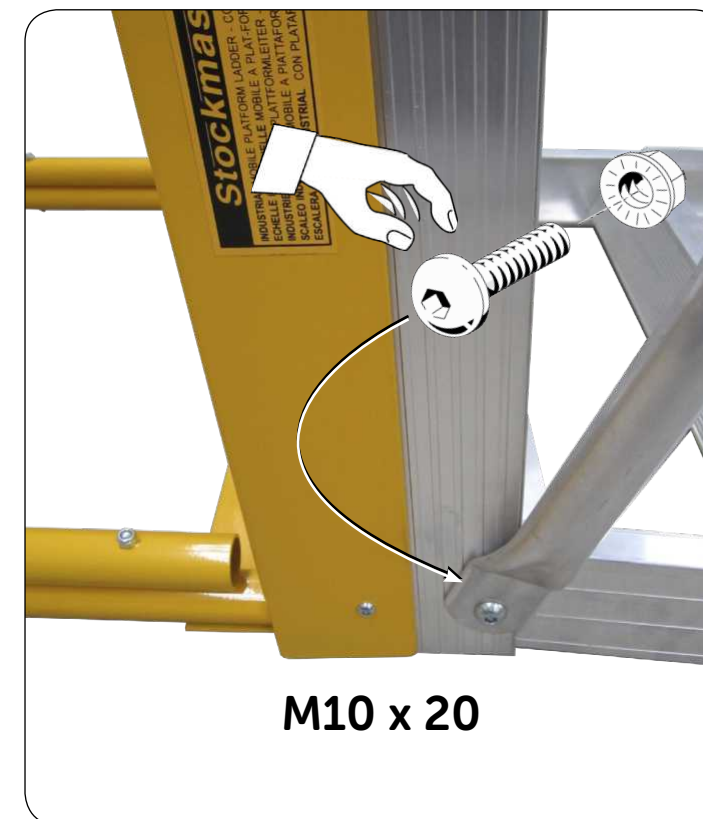


Illustration 3



Illustration 4



Illustration 5

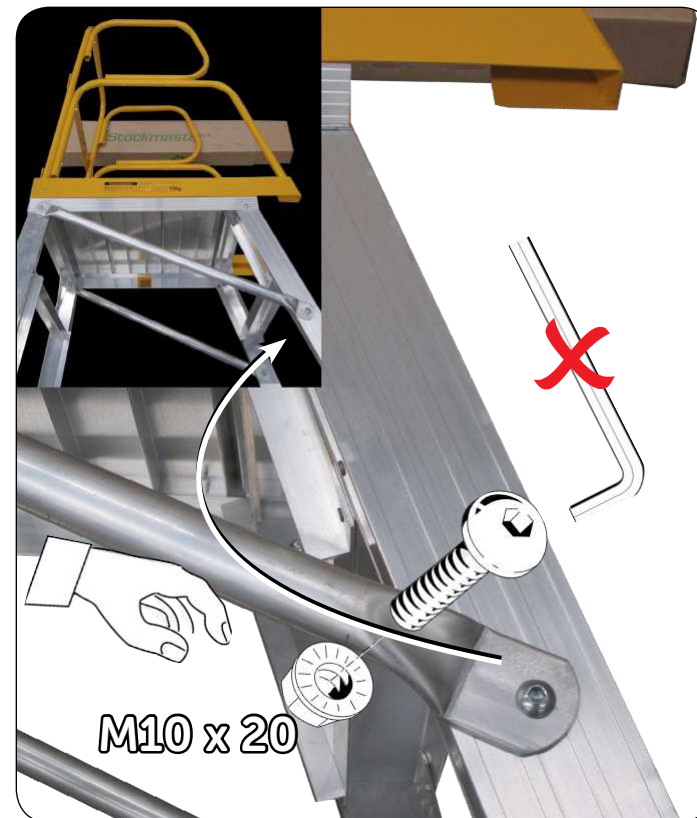


Illustration 6

NEXT: For sizes 4 to 5 steps including platform -
Proceed to Control Handle Assembly

(page 18)

NEXT: For sizes 6 to 14 steps including platform -
Proceed to Handrail Assembly

(page 14)

Handrail Assembly

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - Do not stand the frames upright when assembling. This assembly is done with the Stockmaster laying on its side.

Step 1- Fix the Handrail to the Platform Kickrail. Slide the Handrail into the Kickrail and rotate the handrail so that the lower end is over the Step. Place an M6 x 40 bolt through the bottom hole at the front of the Kickrail and fit a nut *Finger tight only*. (See illustration No. 1)

Step 2- Fix the Handrail to the Step. Place an M6 x 40 bolt through the Handrail and fit the nut under the Step. Check that the Handrails are correctly aligned and tighten all four bolts using the Hex Key and Double Ended Spanner. (See illustration No. 2)

Step 3- Illustration No. 3 shows completed Handrail assembly.

NEXT: For sizes 6 to 7 steps including platform -
Proceed to Control Handle Assembly

(page 18)

NEXT: For sizes 8 to 14 steps including platform -
Proceed to Tube Brace Assembly

(page 16)



Illustration 1



Illustration 2



Illustration 3

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - Do not stand the frames upright when assembling. Place the frames in the positions as shown in the illustrations. This assembly is done with the Stockmaster laying on its side.

Instructions for sizes with 4 to 7 steps including the platform:
There are no additional Tube Braces to be fitted to these sizes. Proceed to Control Handle Assembly

Instructions for sizes with 8 to 11 steps including the platform:
See Step 1 only

Instructions for sizes with 12 to 14 steps including the platform:
See all Steps

Step 1- Fix one of the two shorter Tube Braces to the Front Frame at A using the M10 x 20 bolts and nuts supplied with the Braces - *Finger tight only*. For sizes 8 to 11 ONLY fix the other end of the Tube Brace at B on the Rear Frame then turn the ladder over and repeat for the other side. - **Note: Do not tighten the M10 bolts until advised.** For sizes 8 to 11 ONLY - Proceed to Control Handle Assembly. (See illustration No. 1)

Step 2- For sizes 12 to 14. Fix the remaining end of the Shorter Tube Brace and one end of the Middle sized Tube Brace to the Rear Frame at B using the M10 x 45 bolt, nut and spacer supplied. The Shorter Brace fixes to the outside of the Frame. Fit the spacer over the bolt on the Inside of the Frame and fix the Middle sized Brace to the inside of the Frame - *Finger tight only*. (See illustration No. 2)

Step 3- Fix the remaining end of the Middle sized Brace to the inside of the Front Frame and the Large Tube Brace to the outside of the Frame at C - *Finger tight only*. Fix the remaining end of the Large Tube Brace at D - *Finger tight only*. Turn the ladder over and repeat for the other side. **Note: Do not tighten the M10 bolts until advised.** (See illustration No. 3)

NEXT: All Models - Proceed to Control Handle Assembly

(page 18)

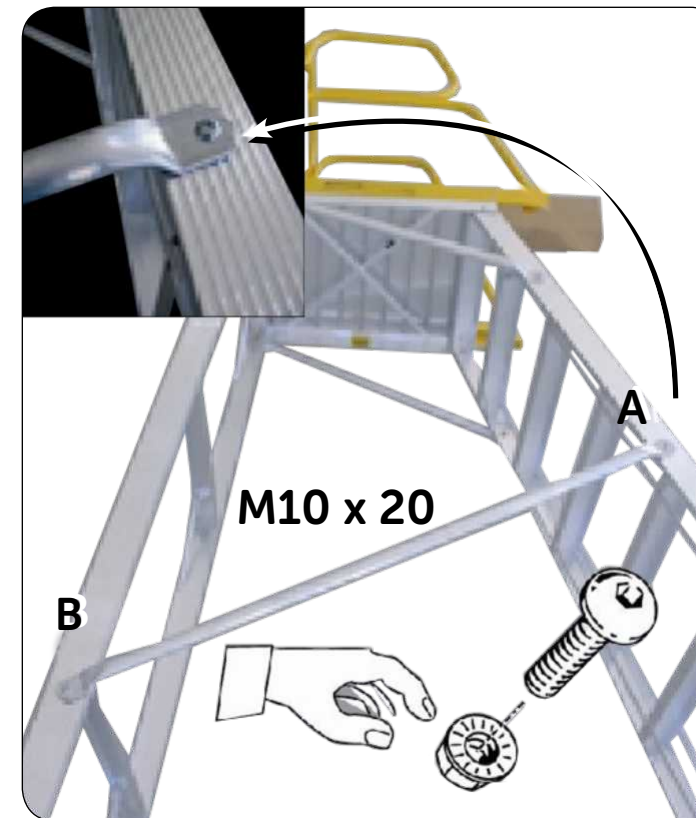


Illustration 1

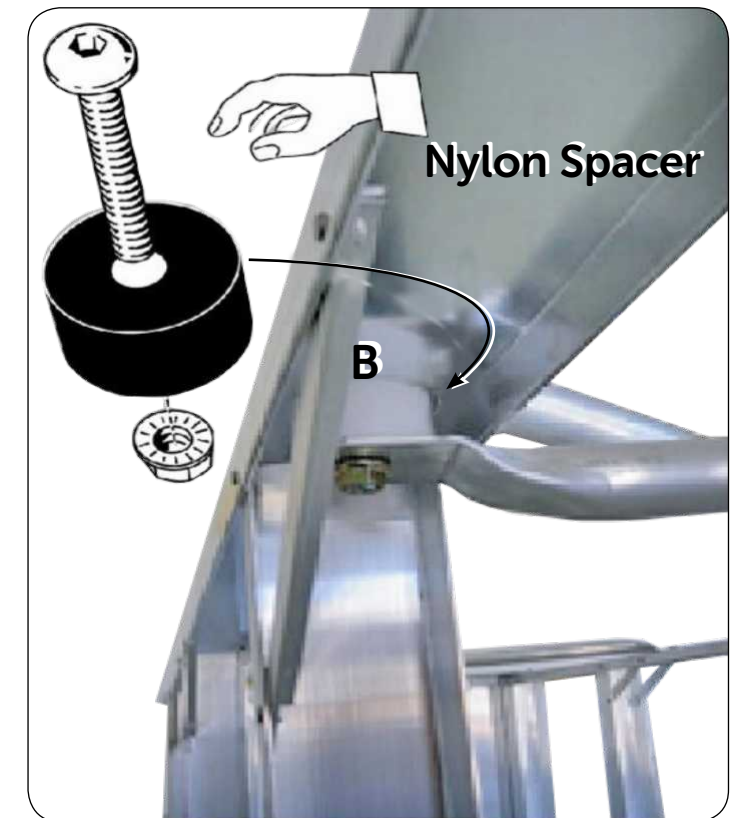


Illustration 2

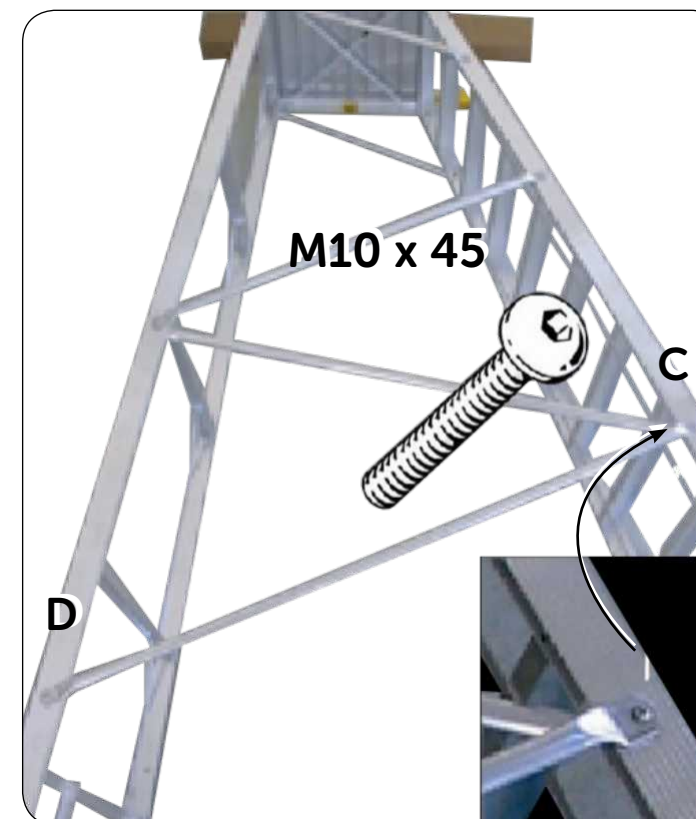


Illustration 3

Control Handle Assembly

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - This assembly is done with the Stockmaster standing upright

Step 1- Stand the Ladder upright. Position the Control Handle in the Step Frame between the 2nd and 3rd steps. (See illustration No. 1)

Step 2- Fix the Control Handle to the Frame. Pass an "E" Pin through the centre hole in the Control Handle and the Lower hole in the Mounting Angle of the Step Frame and secure with an "E" Clip fitted to the outside ring of the "E" Pin. (See illustration No. 2)

Step 3- Fix the Restraining Cable to the Frame using a M6 x 16 bolt and 2 Washers. Fit a washer to the bolt, pass it through the loop in the Restraining Cable and fit the second washer. Fit the bolt in the Upper hole of the Mounting Angle of the Step Frame and secure with a nut. Tighten the bolt using the double ended Spanner and Hex Key (See illustration No. 3)

Step 4- Fix the Restraining Cable to the Control Handle. Use an "E" Pin and pass it through the Upper hole in the Control Handle. Fit a washer and pass it through the Free Loop in the Restraining Cable and secure with an "E" Clip on the inside ring of the "E" Pin. (See illustration No. 4)

NEXT: All Models - Proceed to Mobilisation Assembly

(page 20)



Illustration 1

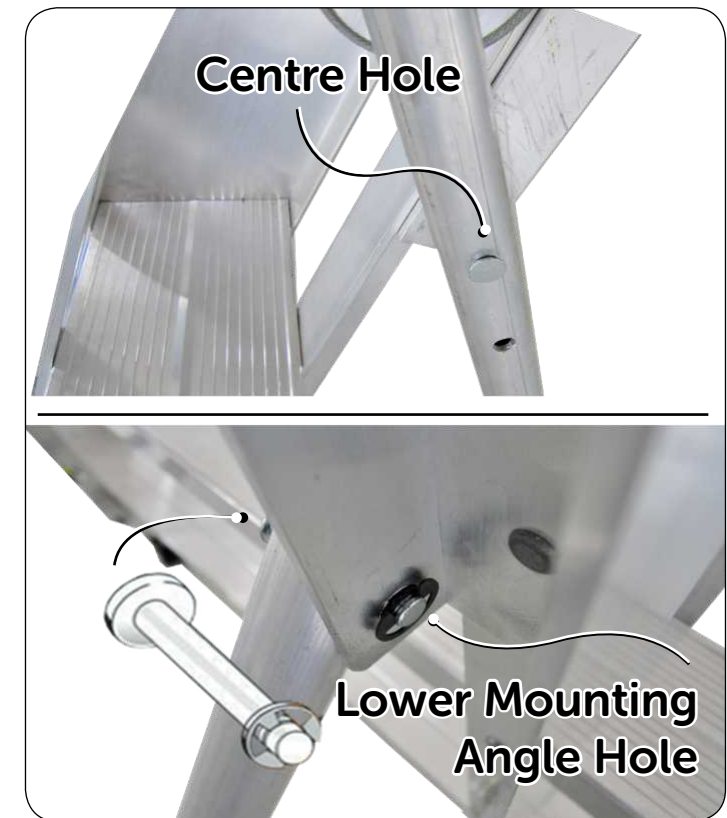


Illustration 2



Illustration 3



Illustration 4

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - This assembly is done with the Stockmaster standing upright

Step 1- Fix the Mobilisation Rails (Rectangular Hollow Section - RHS) to the Frames at A & B (See illustration No. 1)

Step 2- Using the M8 x 40 bolts, nuts and sleeves. Pass the bolt through the hole in the Frame Bracket at D, on the Front Frame. Place a sleeve over the bolt and fit the Rectangular Hollow Section on the inside of the bracket. Secure with a nut - *Finger tight only*. (See illustration No. 2)

Note: The Mobilisation units are left & right with the Link Cable C at end A (See illustration No. 2). The bolt heads are seen from the outer side of the ladder

Step 3- Repeat Step 2 at position E on the Rear Frames - *Finger tight only*. (See illustration No. 3)

Step 4- When all four bolts are fitted, ensure all four feet are sitting firmly on the floor and tighten with the Hex Key and Spanner provided. (See illustration No. 4)

Step 5- One at a time, fix the Castors and Castor Mounting Angles to the Mobilisation Channels. Pass an M12 x 40 hex head bolt through the Mobilisation Channel and locate the Castor Mounting Angle over the bolt. Fit the Castor and then a Washer placed inside the castor body. Secure the Castor with the nut. Tighten the nut with the Spanner provided. The head of the bolt will refrain from turning as its held in a fixed position between the channel flanges. (See illustration No. 5)

Note: Castor Mounting Angles have two sets of mounting holes. For sizes 4 and 5 use the inside holes. For sizes 6 and larger, use the outside holes.

Step 6- Attach the Mobilisation Link Cable to the Control Handle. Fit a Clevis Pin through the lower hole in the Control Handle. Lift up the Link Cable C. Fit it over the Clevis Pin and secure with an "E" Clip on the inside ring of the Clevis Pin. (See illustration No. 6)

Step 7- Ensure the Ladder is standing on a level surface. Stand on the first step taking hold of ladder frame and flexing it so all four feet sit firmly on the floor. When there is no evidence of rocking, the remaining 10mm bolts in the Ladder Frames using the Hex Key only. (*Hold the nut in a fixed position with the spanner. Do not rotate the nut.*)



Illustration 1

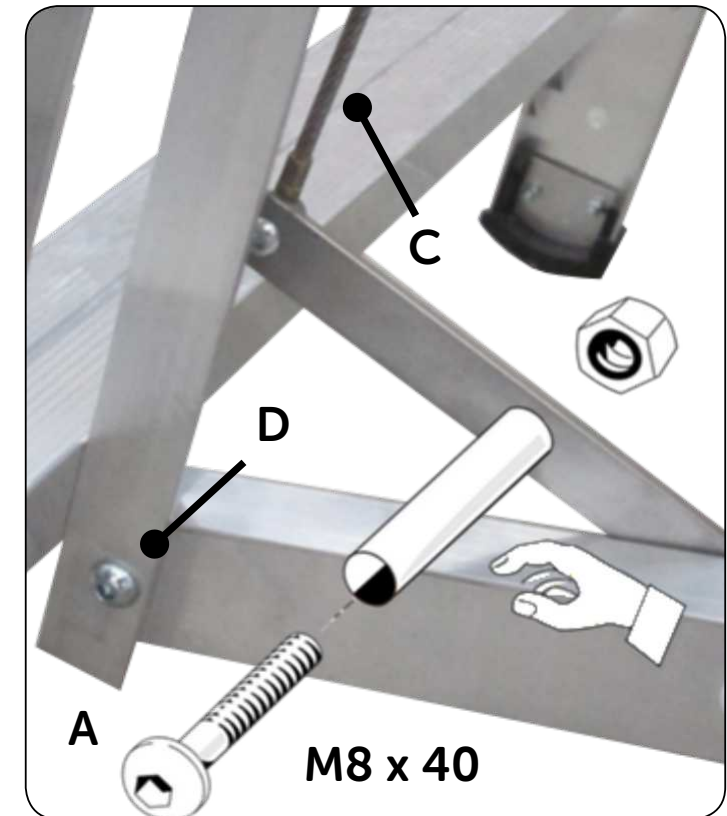


Illustration 2

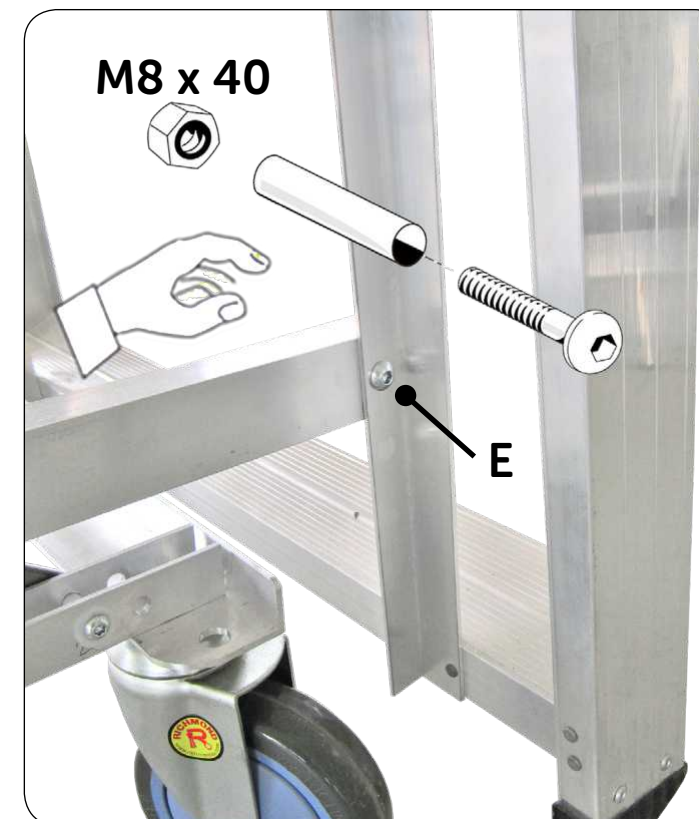


Illustration 3

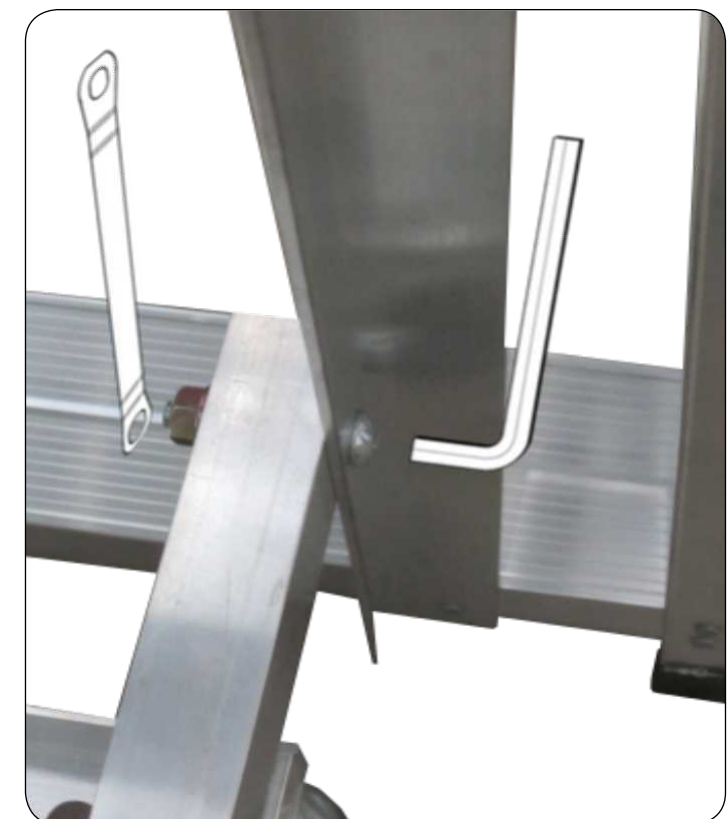


Illustration 4

Mobilisation Assembly



Illustration 5

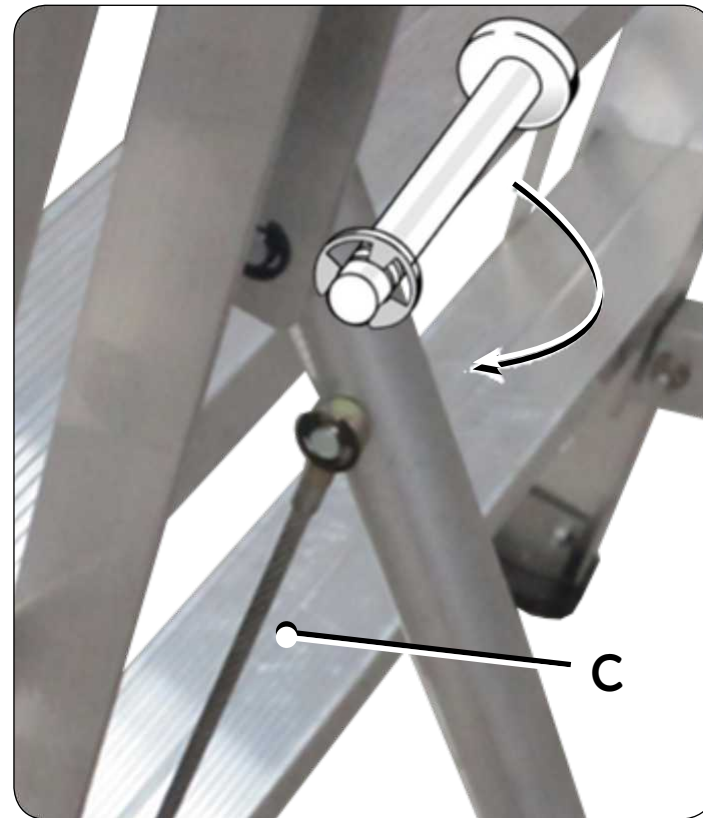


Illustration 6

Mobilisation Assembly

NEXT: Australian Standard AS 1892.1 

Product Assembly is complete and your Navigator Ladder qualifies under Australian Standards AS 1892.1.

All Models - Please proceed to User Instruction and Warranty Links (page 29)

NEXT: European Standard EN 131.7



Sizes 6 to 14 - for compliance under european standards please proceed to:

For Models supplied with Ballast - Proceed to (page 24)

For Models supplied with Stabi-Leg - Proceed to (page 26)

NOTE: Not required for sizes #4 & #5. Contact your supplier for more information

IMPORTANT: !!! AVOID DAMAGE TO BALLAST TUBE !!!
DO NOT DROP - DO NOT OVERTIGHTEN 'U' BOLTS

NEXT: For sizes 4 to 5 steps including platform -
 Product assembly is complete. Proceed to User Instruction and Warranty Links.

(page 29)

Instructions for sizes with 6 to 8 steps including the platform:

Step 1- Remove the M8 Nyloc nut from the inside of the Mobilisation Rail at A on the Rear frame. Fit the Ballast Locating Bracket over the end of the bolt and replace the M8 nut. Repeat for the other side. (See illustration No. 1)

Step 2- Position a *Non Labelled* Ballast Tube centrally across the Ballast Locating Brackets and rest it on the frame tread. Fit one of the supplied U Bolts around the Ballast Tube and using the lowest hole position available in the Ballast Locating Bracket, Fit the ends of the 'U' Bolt thru the "Outer" most holes at B and fasten with the M6 washers and Nyloc nuts provided in the Ballast kit. Repeat for the other side. (See illustration No. 2)

Step 3- Repeat step 2 above for each additional Ballast Tube supplied with your Ladder. (See Note below on *Ballast requirements*). Alternate between 'Outer' holes B and 'Inner' holes C as you add Ballast Tubes to keep the weight as close to one another and as low on the ladder as possible. The *Labelled* Ballast Tube should be positioned on top with particular attention to facing the advisory sticker in a position it can be seen. (See illustrations No. 3 & 4)

Note: Total Ballast Requirements:

- Size 6 - 2 off Ballast Tubes
- Size 7 - 3 off ballast Tubes
- Size 8 - 3 off Ballast Tubes

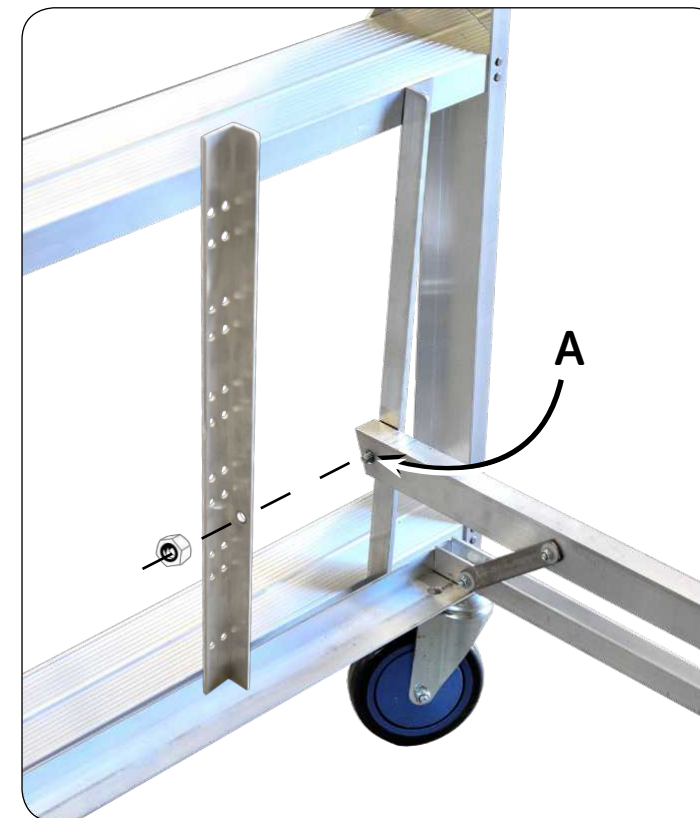


Illustration 1

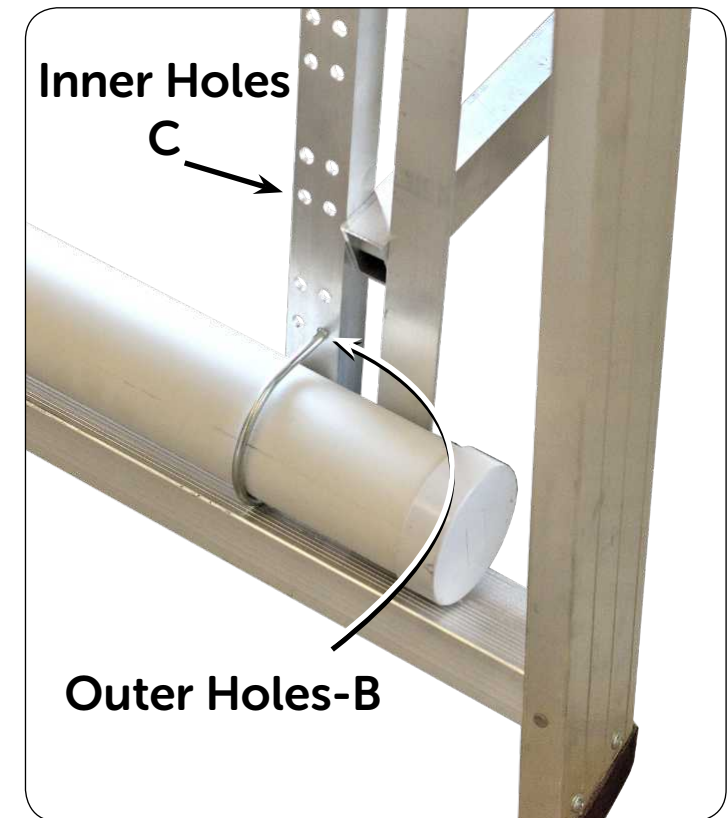


Illustration 2

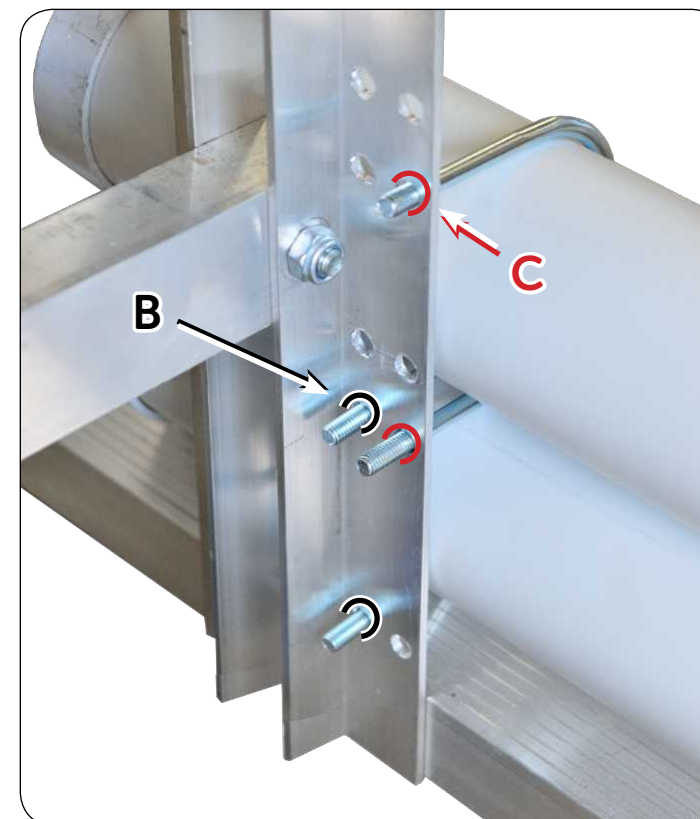


Illustration 3



Illustration 4

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - Do not stand the frames upright when assembling. Place the frames in the positions as shown in the illustrations. This assembly is done with the Stockmaster laying on its side.

Assembling the Actuating Arm.

Step 1- Orientation: Identify whether you are assembling the Left-Hand Side (LHS) or Right-Hand Side (RHS) arm, according to Image 1 and perform step 2 relative to the selected orientation.

Note: (RHS) and (LHS) are defined as viewed from the step end of the Platform ladder

Step 2- Position the Long Tube horizontally and the Short Tube on top vertically, forming a 90° angle. Insert 1 x M8 x 70mm Button Head Screw through the aligned top holes of the short tube (a) gusset plate (b) and the long tube (c) and secure it with 1 x M8 Flange Nut on the opposite side. Insert 2 x M8 x 40mm Button Head Screws through the remaining gusset plate and tube holes to form a "T" shape. Secure each with 1 x M8 Flange Nut. Tighten all fasteners. Complete the second Actuating Arm using the same method mirroring the orientation if switching from LHS to RHS (or vice versa).

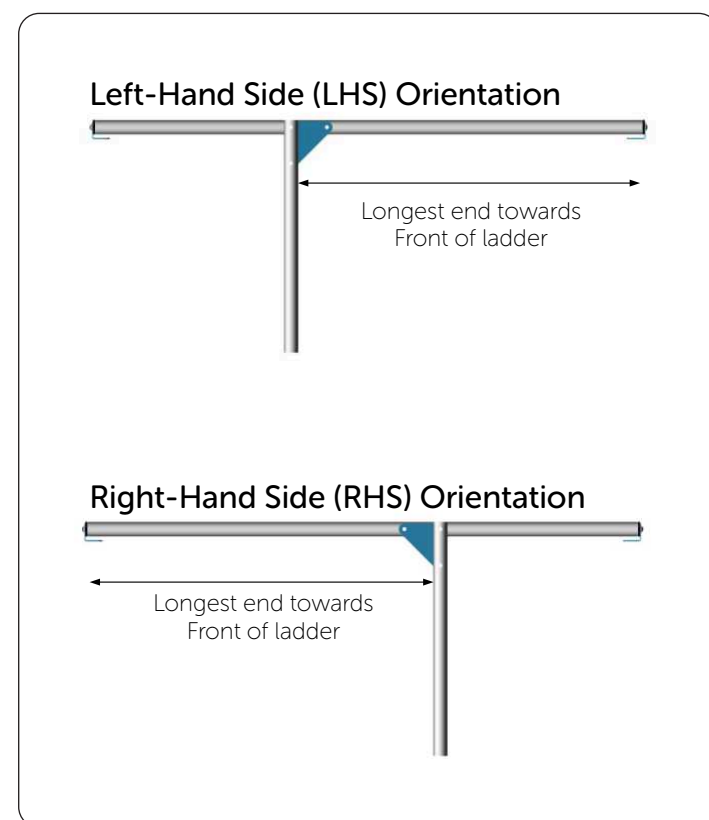


Illustration 1

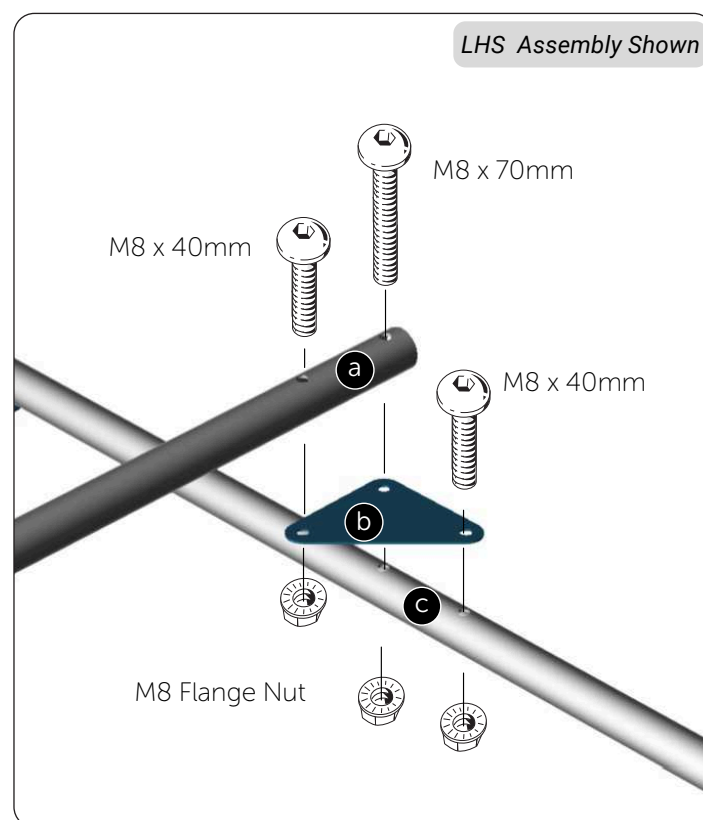


Illustration 2

IMPORTANT: To avoid assembly problems follow these instructions exactly.

Work Safely - Do not stand the frames upright when assembling. Place the frames in the positions as shown in the illustrations.

Assemble STABI-LEG to the ladder

Step 3- Orientation: Identify whether you are assembling the Left-Hand Side (LHS) or Right-Hand Side (RHS) and select the correctly configured Actuating Arm according to Image 3.

Step 4- Fix the Actuating Arm at positions (a) and (b) on the ladder frames using 2 x M8 x 20 Hex Head Bolts and M8 Flange Nuts supplied. As per Image 4. Securely tighten fasteners.

Step 5- Lay the Adjustable Leg assembly over top of the Actuating Arm and fix the swivel bracket at the top of the leg assembly to the midpoint of the platform (a) using 1 x M8 x 20 Hex Head Bolt and M8 Flange Nut supplied. As per Image 5. Securely tighten fastener.

Step 6- Using 1 x M70 x 8mm Button Head Screw, 1 x Nylon Bush, and 1 x M8 Nyloc Nut. Attach the end of the Actuating Arm to the STABI-LEG Actuating Slide in the configuration shown in Image 6. Tighten this fixing until firm only and then back it off slightly.

IMPORTANT: In Step 6, the attachment must allow free movement and rotation of the parts. As a starting point, Tighten the fixing until it is firm then loosen by 1 to 2 flats of the nut.

Check: When the unit is in the upright position and STABI-LEG does not open and close freely, loosen the nut further until smooth operation is achieved.

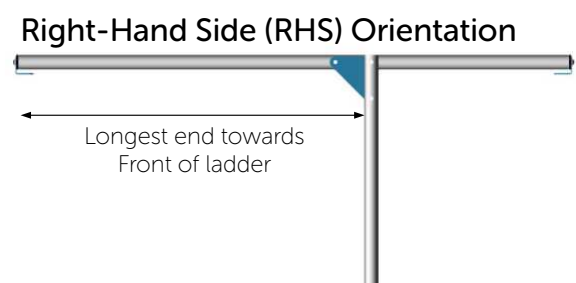
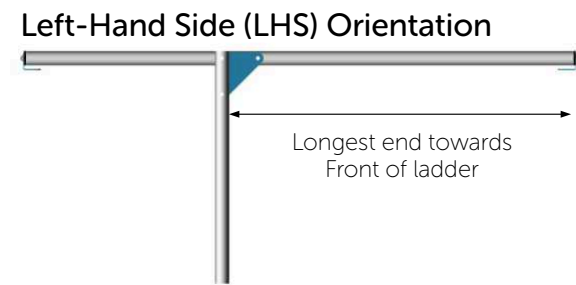


Illustration 3

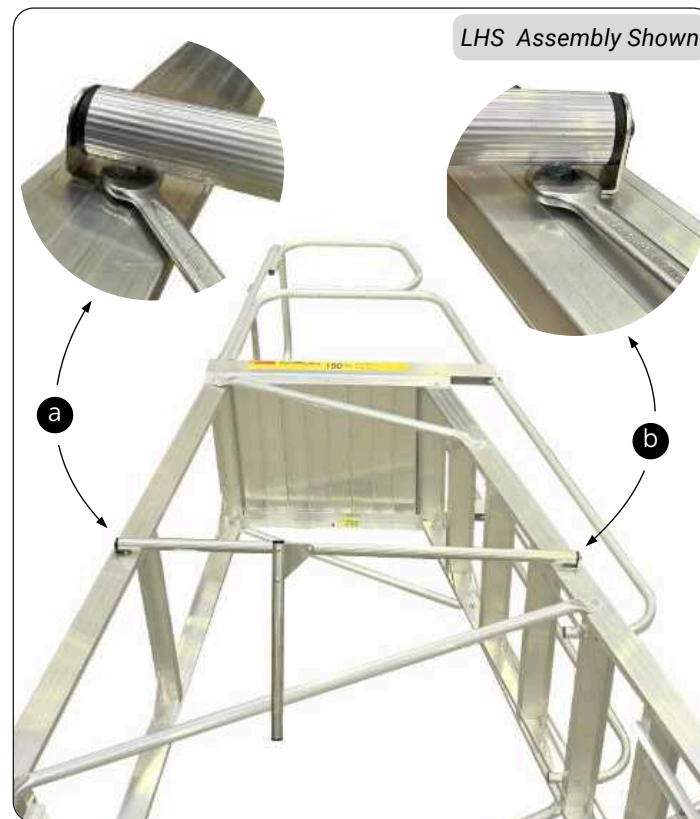


Illustration 4



Illustration 5

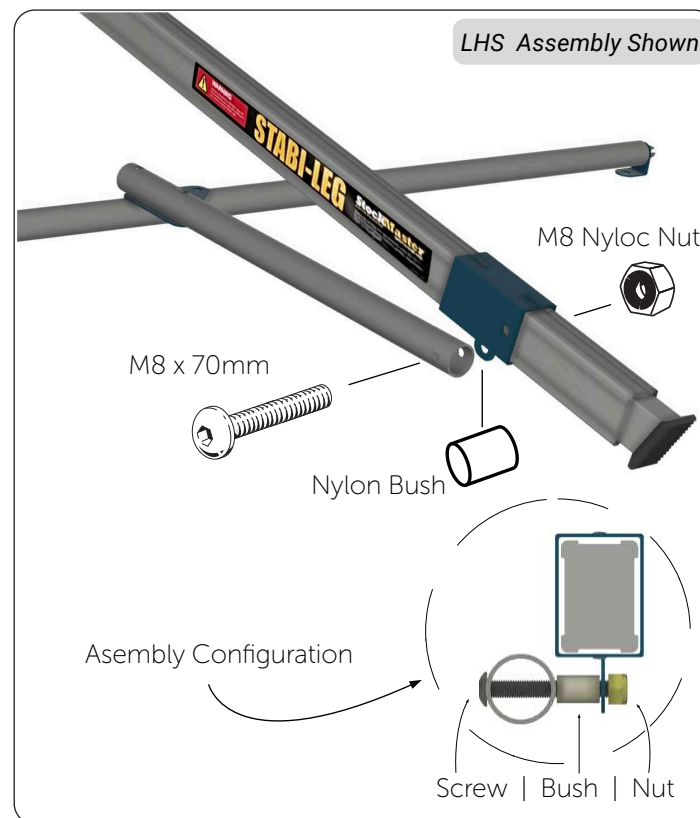


Illustration 6

This completes the product assembly.

USER INSTRUCTIONS

Before use see the

Bedienungsanleitung

Use this manual to form part of your Risk Assessment

WARRANTY

Thank you for choosing StockMaster.
Your safety is in good hands

Register your 2 year warranty online at

www.stockmastereurope.de