

THE MANDRILL
ASSEMBLY INSTRUCTIONS

#### **CONTENTS**

| Warnings                   | 1  |
|----------------------------|----|
| Load Rating                | 3  |
| Dimensions                 | 4  |
| Assembly Tips              | 5  |
| Inventory                  | 7  |
| Assembly Instructions      | 9  |
| Ladder Bar Assembly        | 9  |
| Leg Assembly               | 12 |
| Twirly Whirly Bar Assembly | 17 |
| Main Monkey Bar Assembly   | 18 |
| Swing Bar Assembly         | 22 |
| Swing Leg Assembly         | 25 |
| Flying Fox Assembly        | 26 |
| Load Twirly Whirly Bars    | 29 |
| Maintenance                | 31 |

#### WARNING

PLEASE CAREFULLY READ ALL INFORMATION CONTAINED IN THIS ASSEMBLY MANUAL BEFORE YOU INSTALL AND USE YOUR FUNKY MONKEY BARS®.

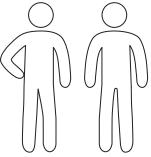
#### **SAFETY NOTICE**

- 1. Any person handling or using the Funky Monkey Bars® products must follow the instructions as described in this document. The person in charge of assembling and using the equipment must ensure that the recommendations for use given in this document are seen by all users.
- 2. Only use the Funky Monkey Bars® after they have been fully assembled and after checking that the fittings are tightened properly (refer to page 5 Correct Tightening Method).
- 3. DO NOT install your Funky Monkey Bars® over concrete, asphalt, packed earth, wood decking or any other hard surface. A fall onto a hard surface can result in serious injury or death.
- 4. Inspect all grub screws, bolts and nuts at the beginning of each play session to ensure your Funky Monkey Bars® are tight and secure.
- 5. Ensure all tubes are fully inserted into fittings until you hear the magic "CLUNK" sound.
- 6. Ensure your Funky Monkey Bars® are properly secure at ALL times. Pegs are in place and inserted fully into the ground.
- 7. DO NOT exceed the maximum load/weight limit as recommended by Funky Monkey Bars®.
- 8. Children should be supervised by an adult at all times.
- 9. Installing a gym/crash mat under the fall zone area of your Funky Monkey Bars® would be recommended for children learning this new skill. This will reduce the chance of injury and build the child's confidence while they build strength and master the skill.
- 10. Ensure you have thoroughly read your assembly and installation instructions and viewed our on-line installation videos at https://www.funkymonkeybars.com/blogs/installation-maintenance-videos
- 11. DO NOT climb, sit or stand on top of the monkey bar (horizontal ladder) section.
- 12. DO NOT jump from the top of any section of the monkey bar.
- 13. DO NOT use your Funky Monkey Bars ${\bf @}$  when wet as the steel will be slippery.
- 14. DO NOT attach items to your frame that are not designed specifically to be used with Funky Monkey Bars®, especially lower quality products that have not been approved by Funky Monkey Bars®.
- 15. Ensure the height of your Funky Monkey Bars® (horizontal ladder) are set at a level that is age appropriate.
- 16. DO NOT install your Funky Monkey Bars® over or near objects that could interfere with users in an unsafe way. Maintain a clear area around your Funky Monkey Bars®.
- 17. DO NOT use your Funky Monkey Bars® while under the influence of drugs and alcohol.
- 18. Wear clothing free of drawstrings, hooks, loops or anything that could get caught while using your Funky Monkey Bars® and result in entanglement and/or strangulation.

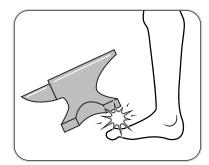
#### **ASSEMBLY**

- 1. Keep small children away from the Funky Monkey Bars® during assembly.
- 2. Do not attempt to use the Funky Monkey Bars® until it is completely assembled and every fitting is tight and secured.
- 3. Installation typically takes 3-4 hours to complete. Two people are recommended for assembly.
- 4. Ensure all fittings are tightened to the correct tightening method as described on page 5.
- 5. Assembly should be carried out on clean, dry, level surface

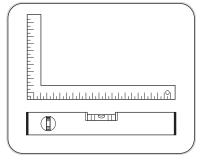
Please refer to the video section on the Funky Monkey Bars® website for more handy tips and assembly instructions at http://www.funkymonkeybars.com/pages/videos







Heavy items!



Work on flat level surface.

#### LOCATION

- 1. A safe fall zone around your Funky Monkey Bars® is essential. A minimum distance of 1.5m to 2m (5 ft to 6.5ft) is recommended around the elevated hanging points of your Funky Monkey Bars®.
- 2. Place your Funky Monkey Bars® on level ground, away from any structure or obstruction such as a fence, garage, house, overhanging branches, laundry lines or electrical wires and remove any obstructions beneath your Funky Monkey Bars®.
- 3. Ensure your Funky Monkey Bars® are positioned away from retaining walls, pool fences, structures and other play equipment. Maintain a clear space around the whole perimeter of your Funky Monkey Bars®.
- 4. Place your Funky Monkey Bars® on the most level surface available.

#### **MAINTENANCE**

- 1. At the beginning of each heavy play session we recommend the following maintenance processes be performed on your Funky Monkey Bars®:
  - Tighten all bolts, grub screws and applicable hardware (as per page 5)
  - Lubricate all metallic moving parts as per instructions (flying fox, swing hooks etc)
  - Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked or missing.
  - Check all moving parts including swing seats, shackels, snap hooks, chains and trolleys for wear, rust, or other deterioration. Replace as needed.
- 2. Twice a month during play season we would recommend the following maintenance processes be performed on your Funky Monkey Bars®:
  - Tighten all connections and hardware
  - Check all protective coverings on bolts, pipes, edges and corners. Replace if they are loose, cracked or missing.
- 3. Once a month during play season we would recommend the following maintenance processes be performed on your Funky Monkey Bars®:
  - Lubricate all metallic moving parts as per instructions (flying fox, swing hooks etc). If swings start to squeek then lubricate swing hooks.
  - Check all moving parts including swing seats, ropes, chains and trolleys for wear, rust, or other deterioration. Replace as needed.
  - Owners shall be responsible for maintaining the legibility of any warning labels.

For additional information concerning your Funky Monkey Bars®, please contact our customer service team or check our website for any important updates. Phone - 1300 912 198 or www.funkymonkeybars.com

#### **QUALITY & INDEPENDENT TESTING**

At Funky Monkey Bars® we take the quality of our designs and safety very seriously. All Funky Monkey Bars® frames go through a stringent, independent structural testing process prior to being made available for release to our customers.

Our frames are designed within the parameters of the Australian Standard for Playground Equipment AS4685.1:2014.

The structural integrity of our frames has been tested for performance through a combination of engineering calculations and physical testing. The tests have been performed by independent, certified structural engineers in accordance with Australian Standard for Playground Equipment AS4685.1:2014 and European Standards EN1176-1:2008.

The independent testing conducted on The Mandrill certified the frame to a load rating of 1620kgs or 27 users.

| LOAD TESTING CERTIFICATION |          |                    |                   |                     |
|----------------------------|----------|--------------------|-------------------|---------------------|
| DATE OF TEST               | MODEL    | NUMBER<br>OF USERS | USER LOAD<br>(KG) | LOAD RATING<br>(KG) |
| Aug 2018                   | Mandrill | 27                 | 60                | 1620                |

I hereby confirm all testing was undertaken in accordance with Physical Testing of Structural Integrity requirements of AS 4685.1: 2014 App C / EN 1176-1:2008° except where noted below;

#### **COMMENTS:**

The maximum number of users for the Floating Flying Fox is noted as 1 user.

APPROVED BY: Funky Monkey Bars® WITNESSED BY: Independent Engineer

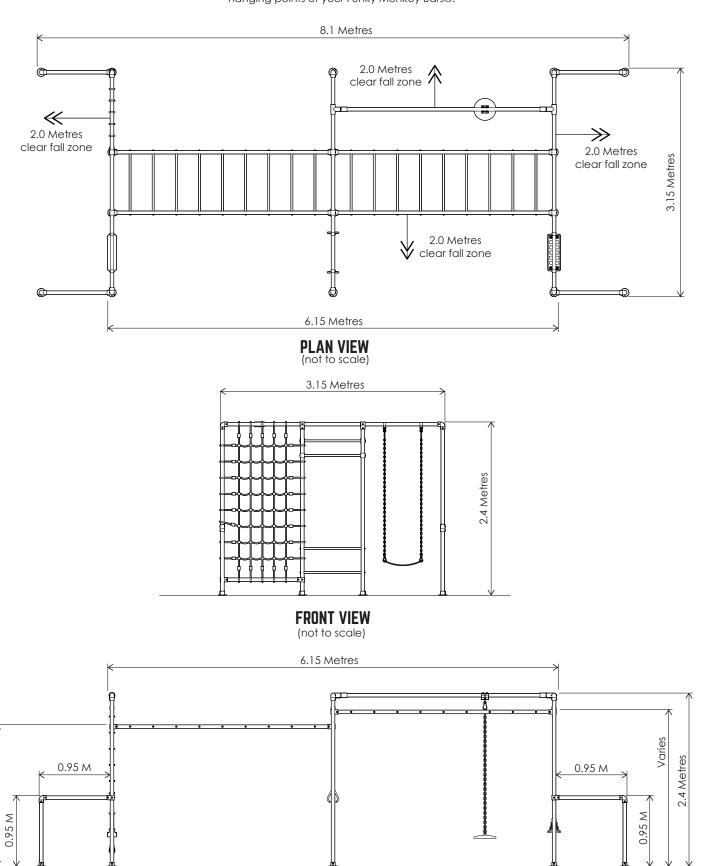
Mental Approved

**DATE:** Aug 2018 **DATE:** Aug 2018

Varies

# FUNKY MONKEY BARS® THE MANDRILL OVERALL DIMENSIONS

A mimimum of 2.0 Metres clear fall zone is recommended around the elevated hanging points of your Funky Monkey Bars®.



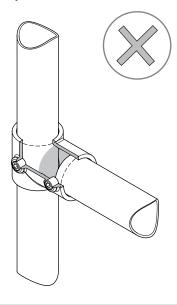
SIDE VIEW

8.1 Metres

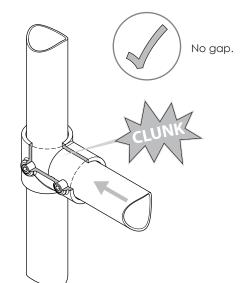
(not to scale)

### CORRECT INSERTION INTO FITTINGS - (INDICATIVE DIAGRAM SHOWN)

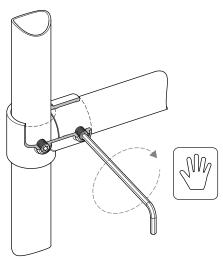
All tubes must be fully inserted until contact is made with adjoining tube.



Gap.

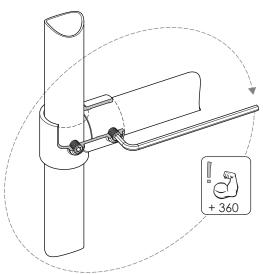


#### CORRECT TIGHTENING METHOD OF GRUB SCREWS - (INDICATIVE DIAGRAM SHOWN)



 With long end of allen key, hand tighten grub screw as much as possible.

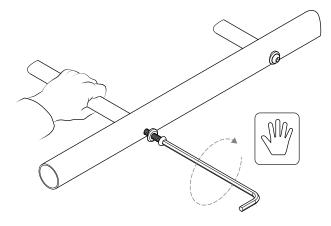




2. Using other end of the allen key do one full 360 degree turn as a minimum, use muscles!

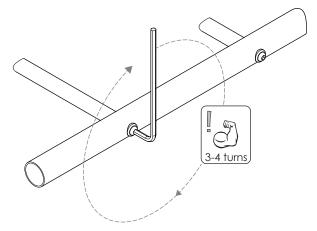


### CORRECT TIGHTENING METHOD OF RUNG BOLTS - (INDICATIVE DIAGRAM SHOWN)



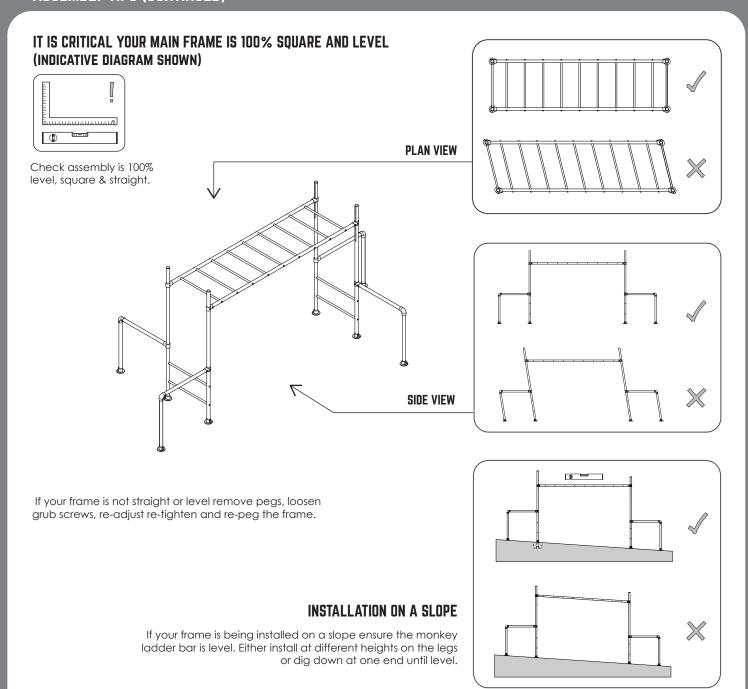
 With long end of allen key, hand tighten bolt hard up against washer and outside of tube. Hold rung to avoid rotation.

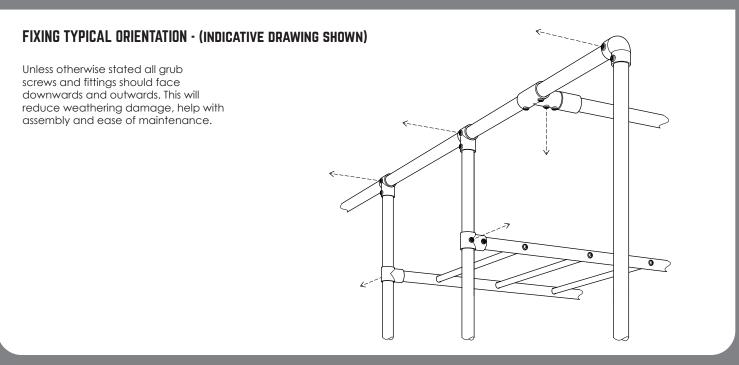




2. Using short end of the allen key fully tighten, approximately 3-4 full turns .





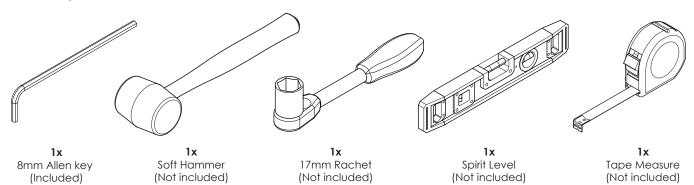


### **INVENTORY**

(Included)

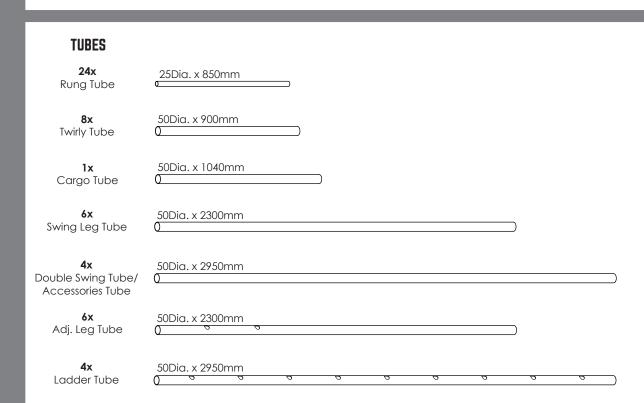
### **TOOLS REQUIRED FOR INSTALLATION**

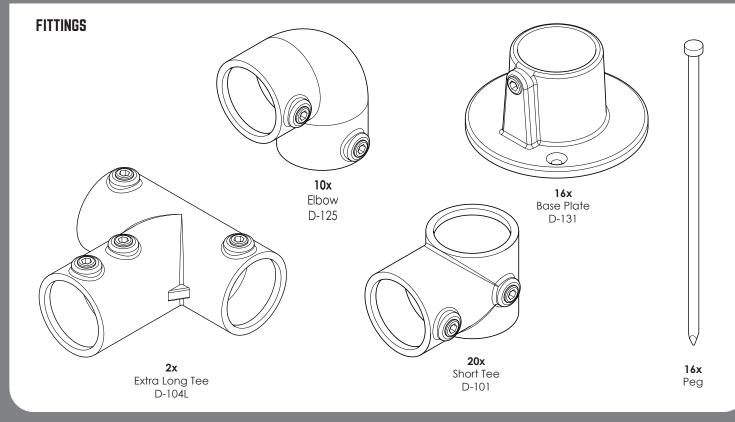
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(Not included)

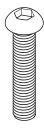
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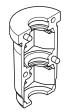


## INVENTORY (CONTINUED)

#### **HARDWARE**



**54x** M10 Bolt



108x Rung Insert



**54x** Washer



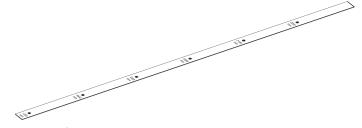
108x M10 Hex Nut



Plastic End Cap

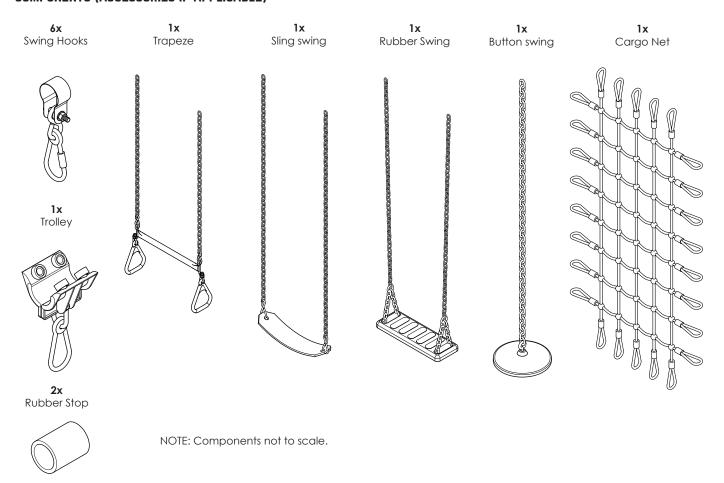


1x Manufacture Sticker



**6x** Height Sticker

#### **COMPONENTS (ACCESSORIES IF APPLICABLE)**

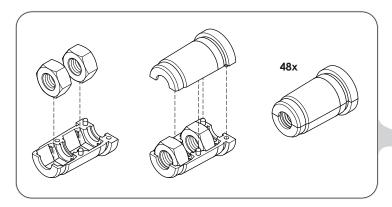


One of the best things about a Funky Monkey Bar is the ability to add new equipment and accessories as your child and family grows. You can swap or add accessories to your existing frame, or add extra frames that will give you more versatility to attach equipment. Check out what we've got in store now at...

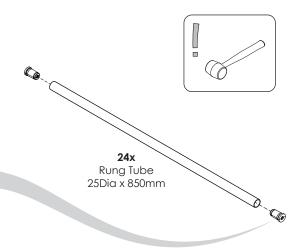
#### WWW.FUNKYMONKEYBARS.COM

## **ASSEMBLY INSTRUCTIONS - LADDER BAR ASSEMBLY**

## RUNG ASSEMBLY (x24)

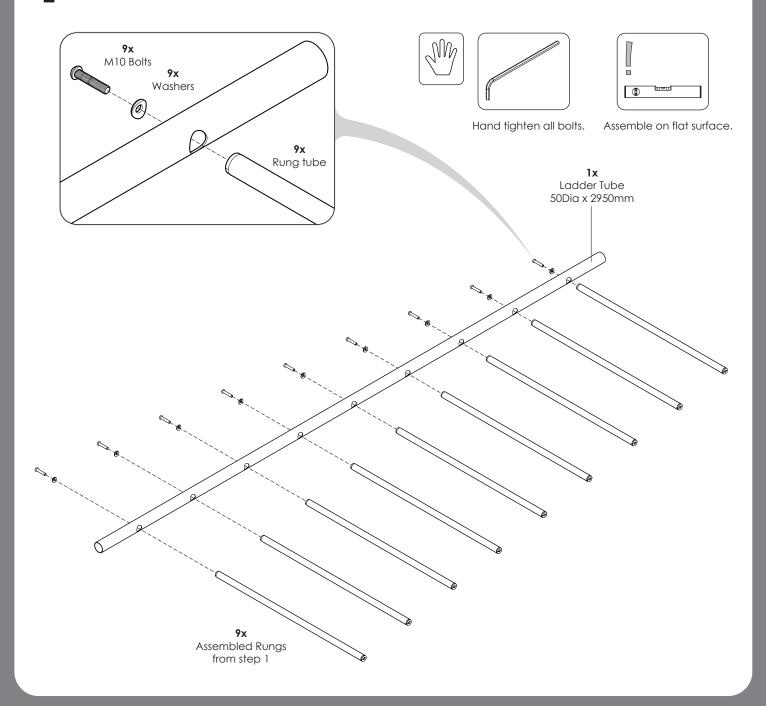


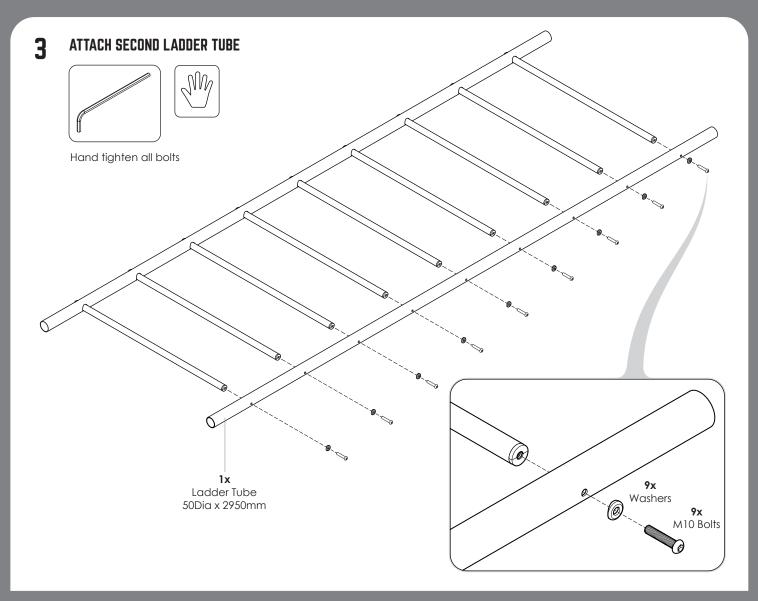
1. Assemble plastic rung inserts as shown above.

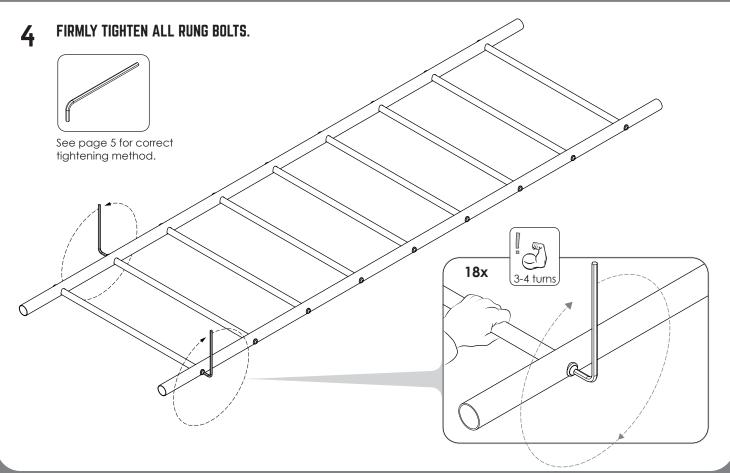


2. Push inserts into both ends of all rungs.

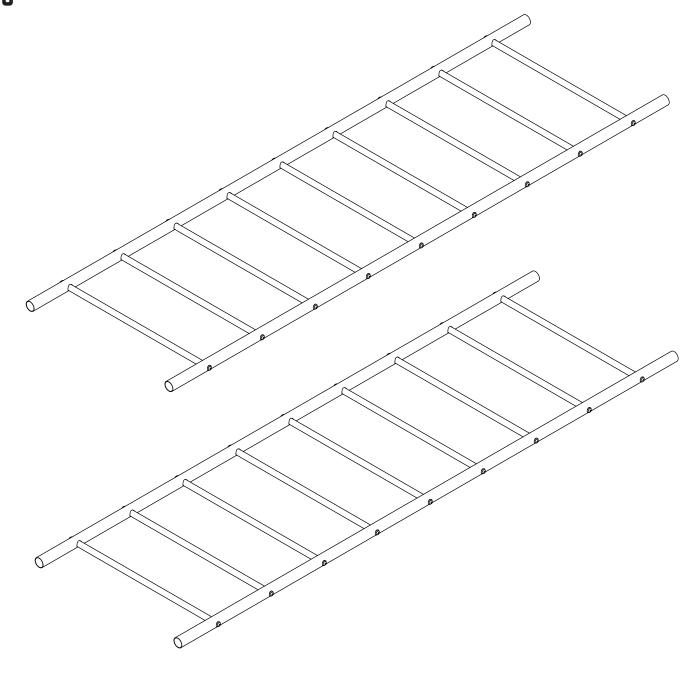
## **9** MONKEY BAR LADDER ASSEMBLY



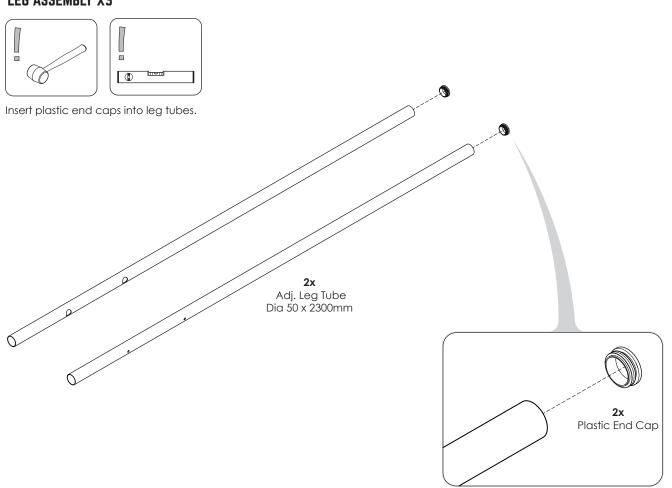




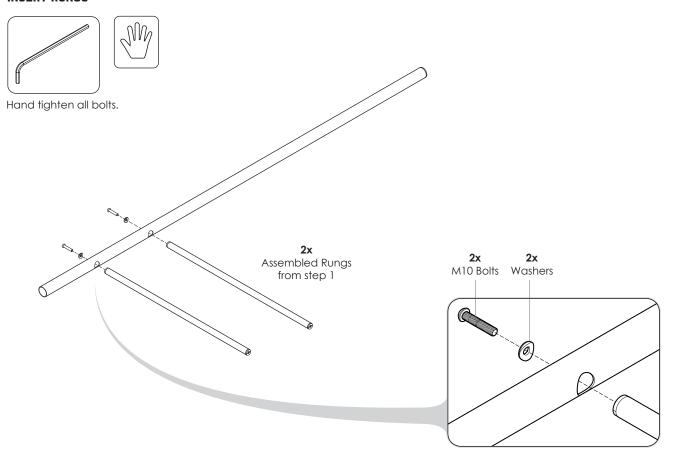
## **LADDER BAR ASSEMBLY X2.**

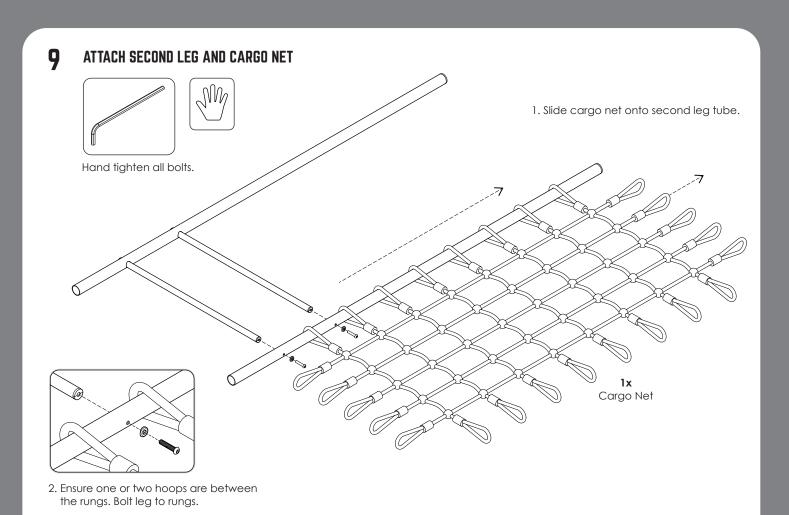


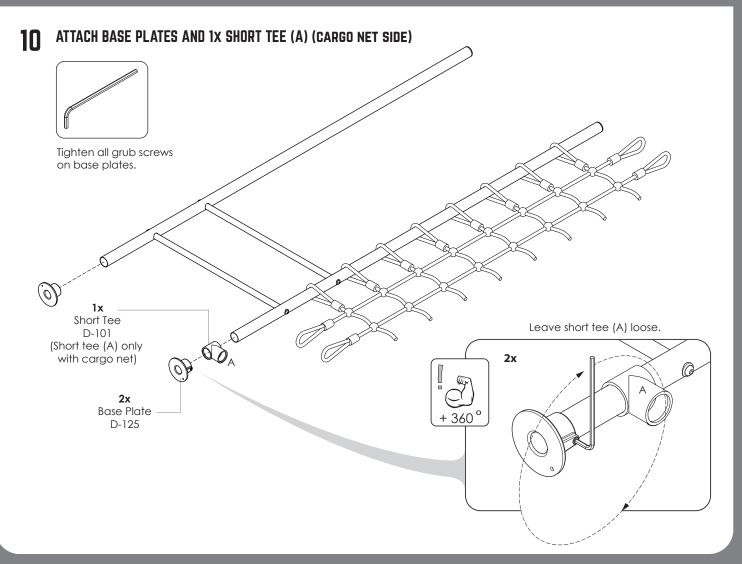
## 7 LEG ASSEMBLY X3

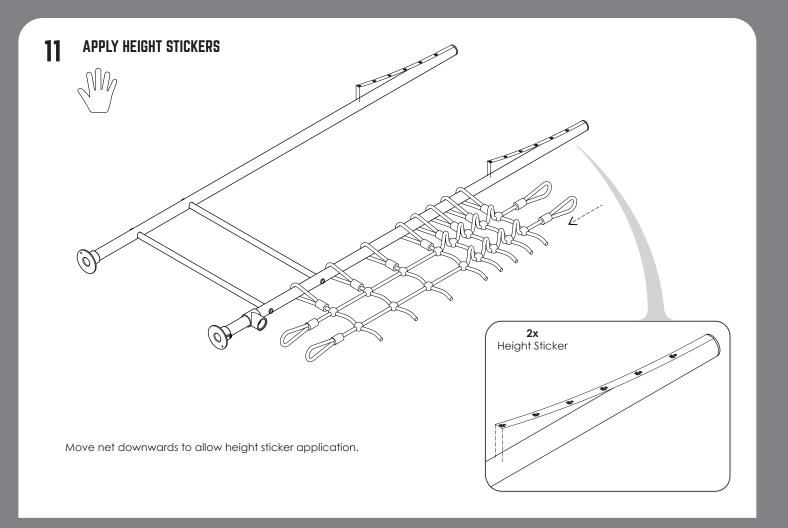


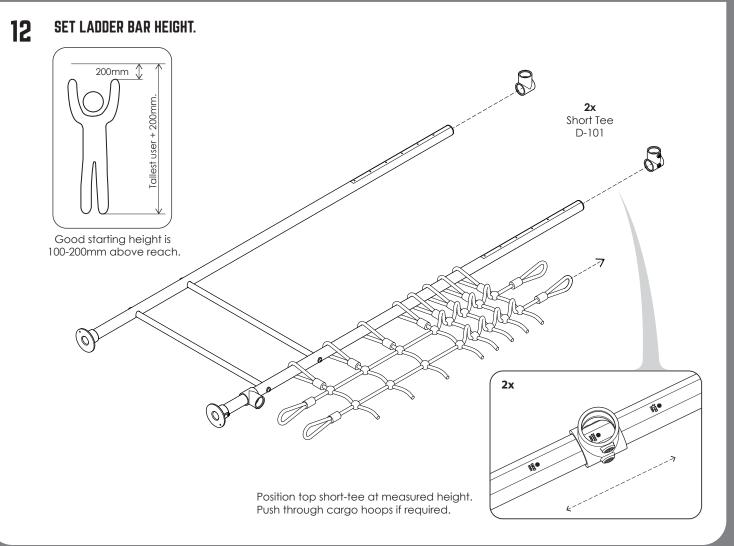
## 8 INSERT RUNGS

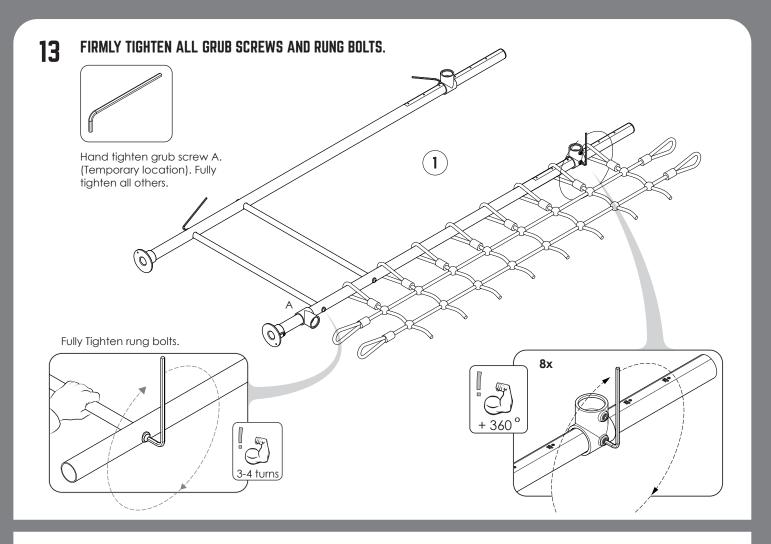




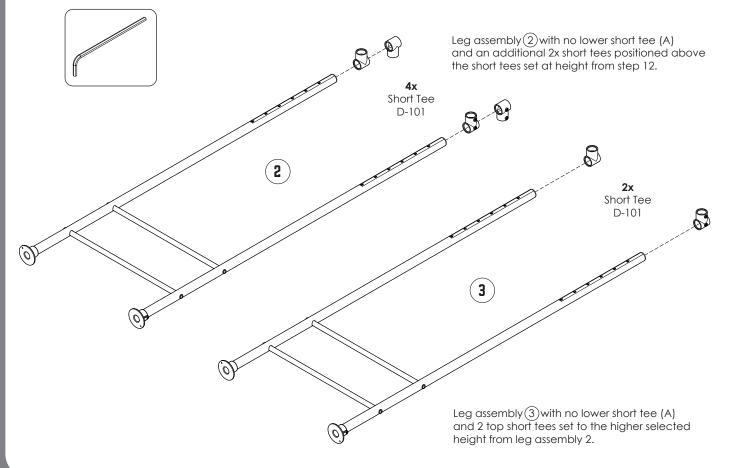




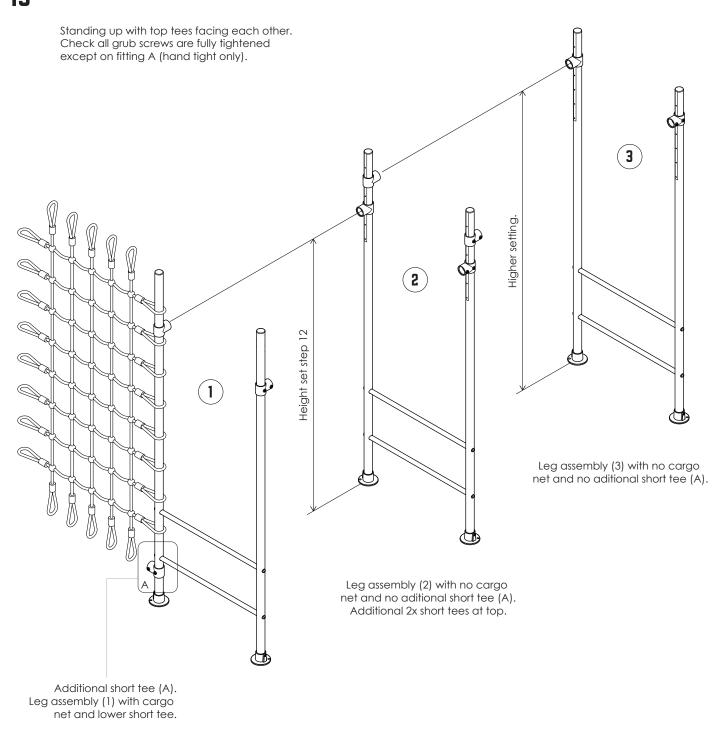








## 15 LEG ASSEMBLY X 3.



## CHECK ALL FITTING GRUB SCREWS AND RUNG BOLTS ARE FULLY TIGHTENED

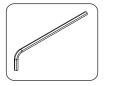


16

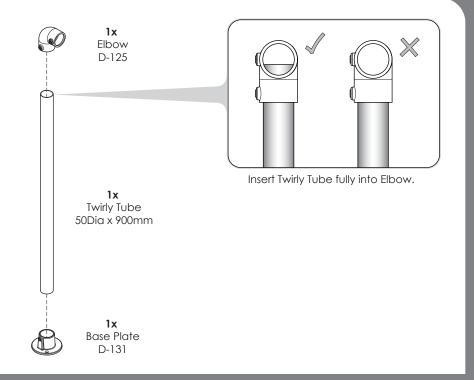


Firmly tighten all grub screws and bolts, Leave short tee A loose.

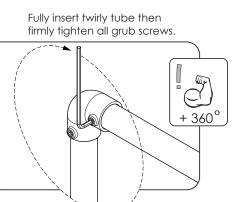
## 17 ASSEMBLE VERTICAL TWIRLY TUBE

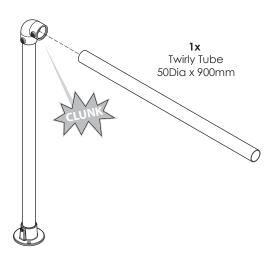


Tighten all grub screws.



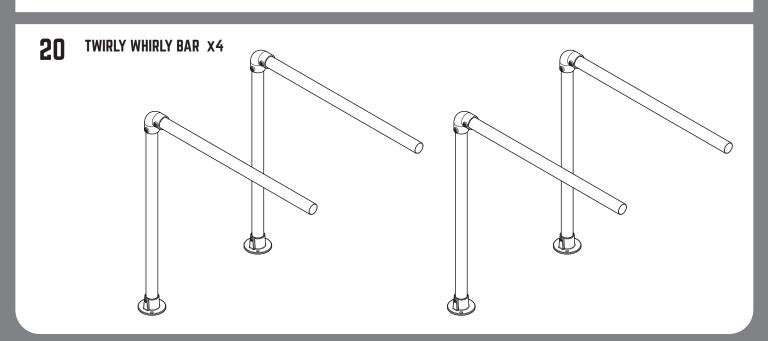
## **18** ATTACH HORIZONTAL TWIRLY TUBE







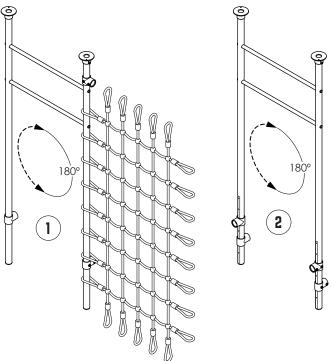
**19** REPEAT STEPS 17 - 18 FOR 3 MORE TWIRLY WHIRLY BARS.

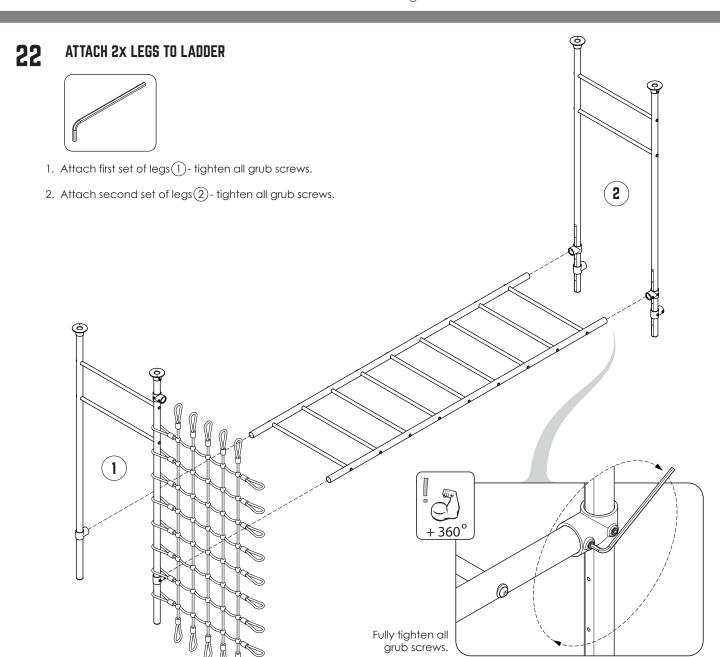


## 21 FLIP LEGS 1 & 2 OVER

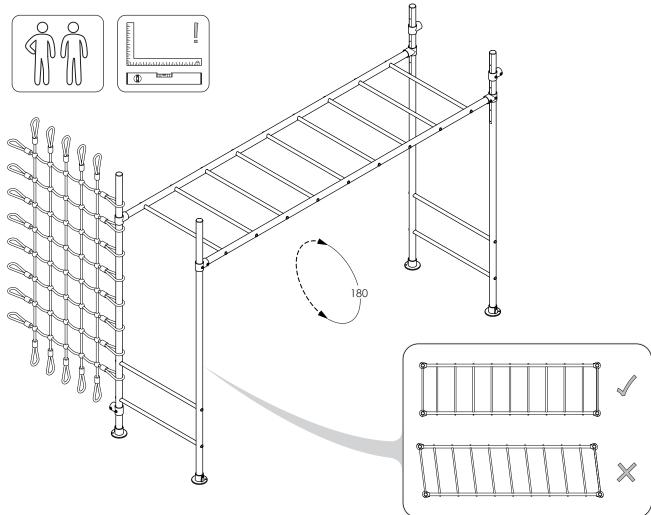


For the following step the legs should be flipped over & attached one at a time.



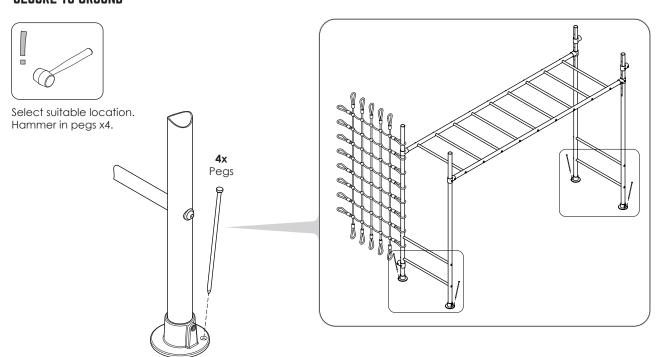


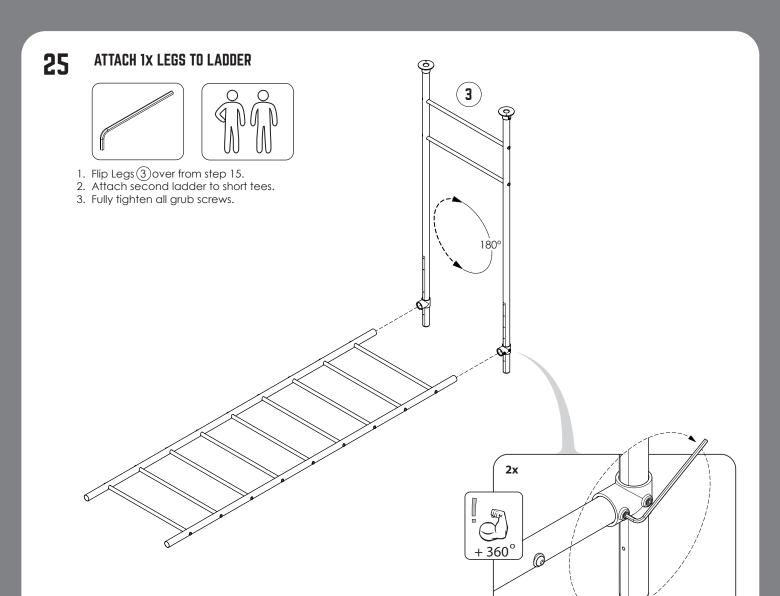
## **23** FLIP ASSEMBLY OVER



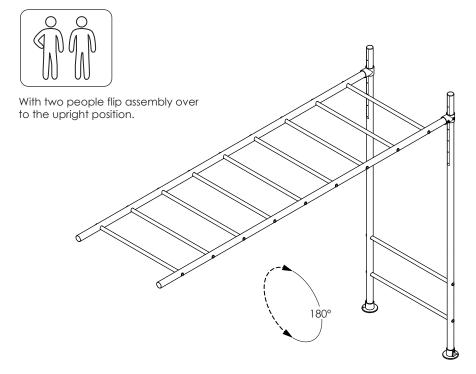
CRITICAL: ENSURE YOUR FRAME IS 100% SQUARE AND LEVEL (AS PER PAGE 6)
BEFORE MOVING ONTO THE REST OF THE ASSEMBLY

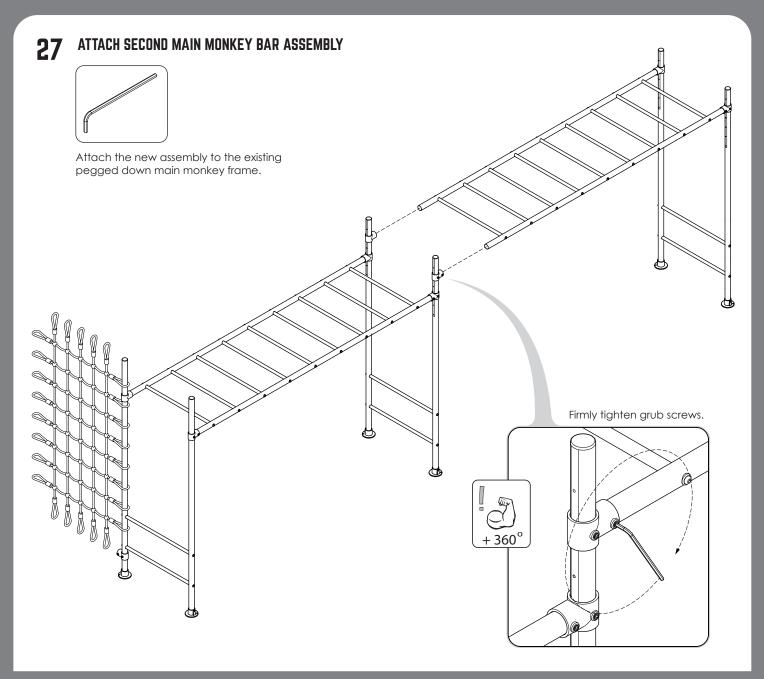
## 24 SECURE TO GROUND

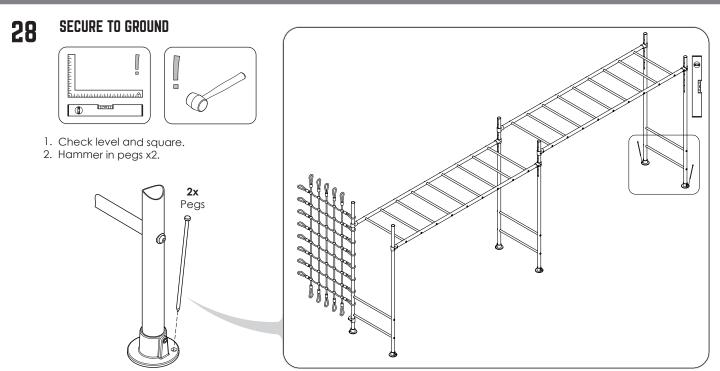




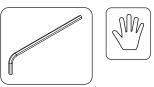
## 26 FLIP ASSEMBLY OVER



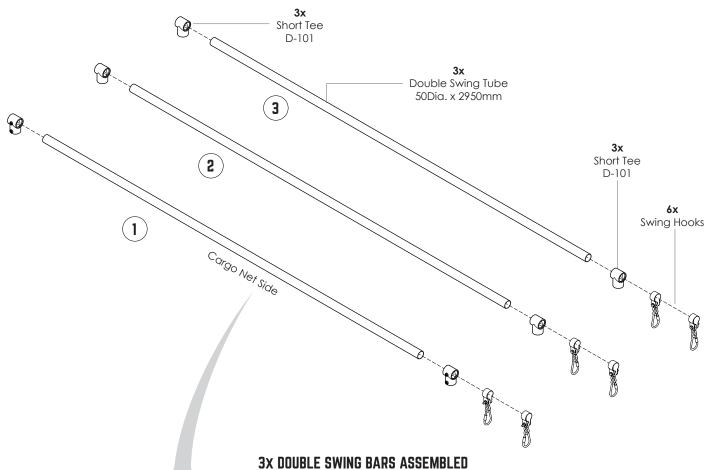


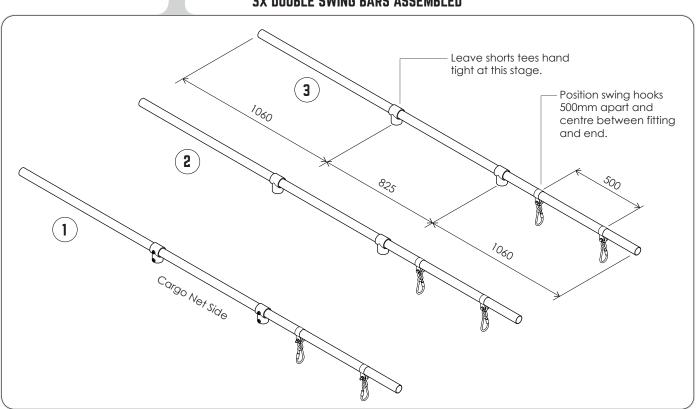


## **29** DOUBLE SWING BAR ASSEMBLY X3.

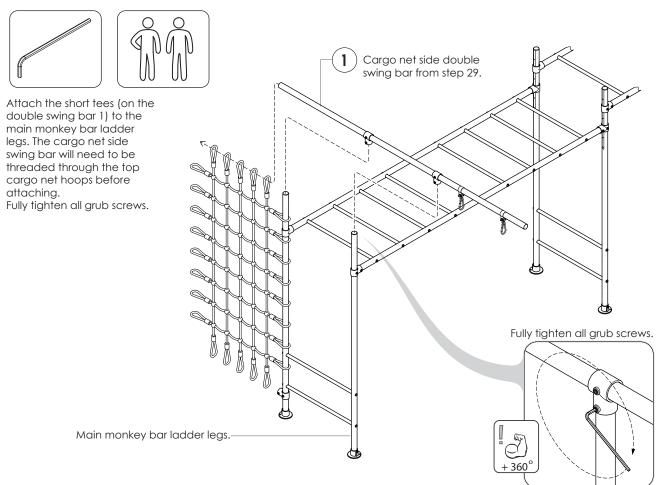


Slide on all fittings. Leave short tees and swing hooks hand tight only for assembly adjustment later, see below for spacing.





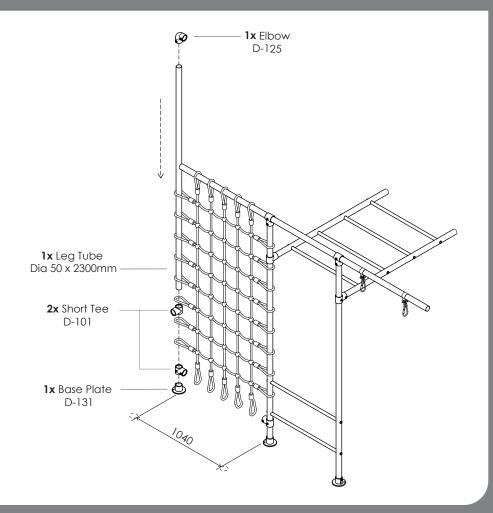
## 30 ATTACH CARGO NET SWING BAR ASSEMBLY



## 31 ATTACH CARGO NET SWING LEG



- 1. Feed the leg tube through the cargo net hoops and short tees.
- Ensure the leg tube to adj. leg tubes are 1040mm apart top and bottom.
- 3. Tighten grub screw on base plate & leave all others hand tight for step 32.

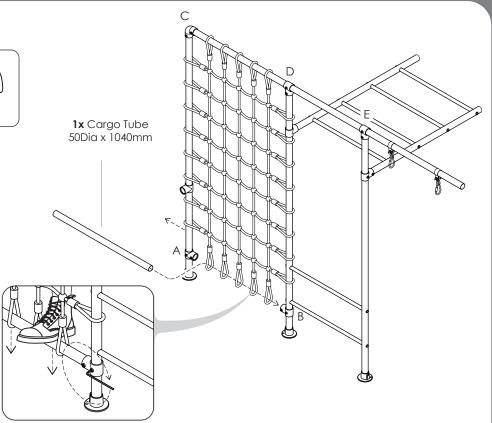


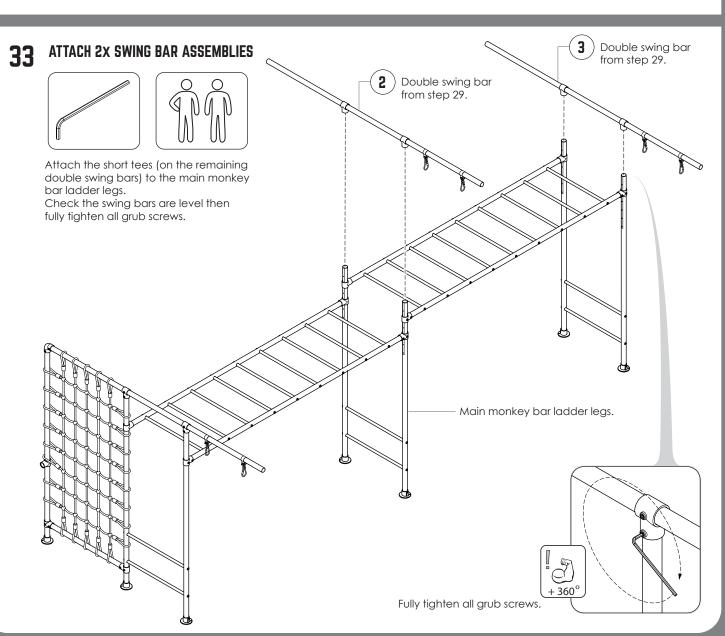
## **32** ATTACH CARGO TUBE

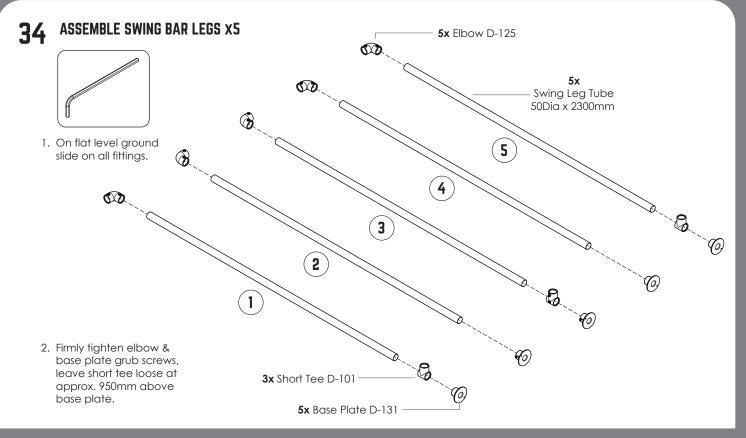


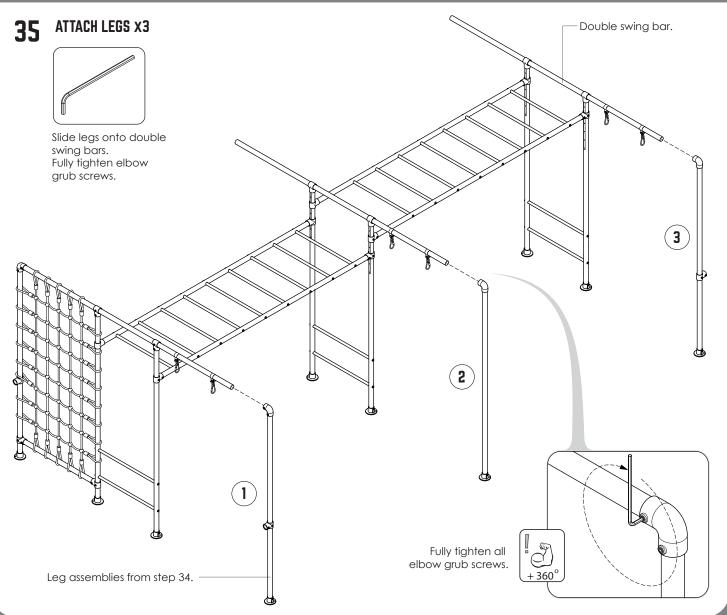


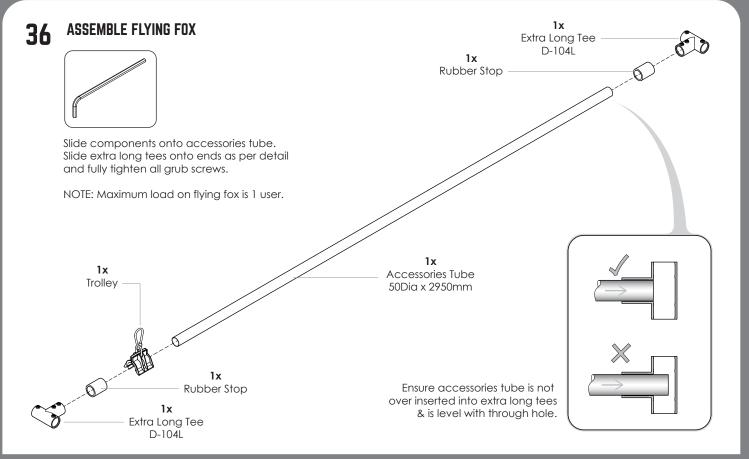
- Ensure the cargo net gap is 1040mm apart between legs. You may need to loosen top grub screws D & E to slide the swing bar along. Retighten before continuing.
- 2. Check grub screws on A,B & C are loose.
- Thread in bottom cargo tube between lower cargo net hoops,pull swing leg outwards & fully engage into A & B short tees.
- 4. Get second person to stand on tube to make cargo net taught.
- 5. Fully engage all tubes & tighten all grub screws at cargo net end.

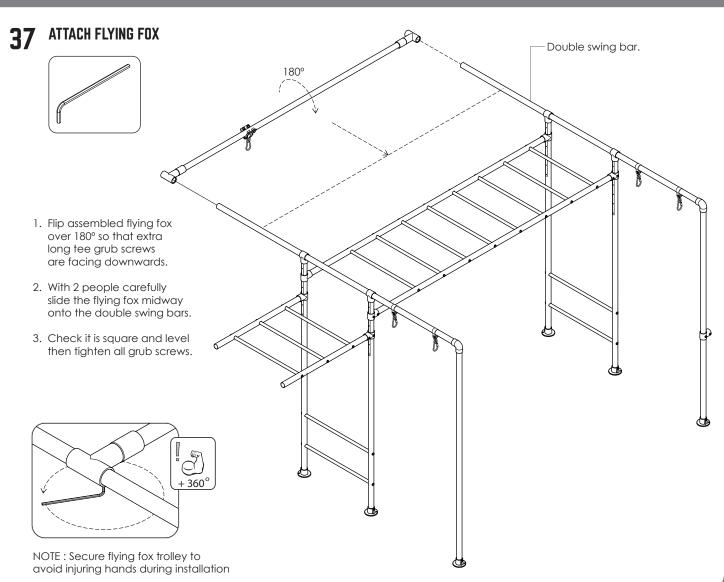


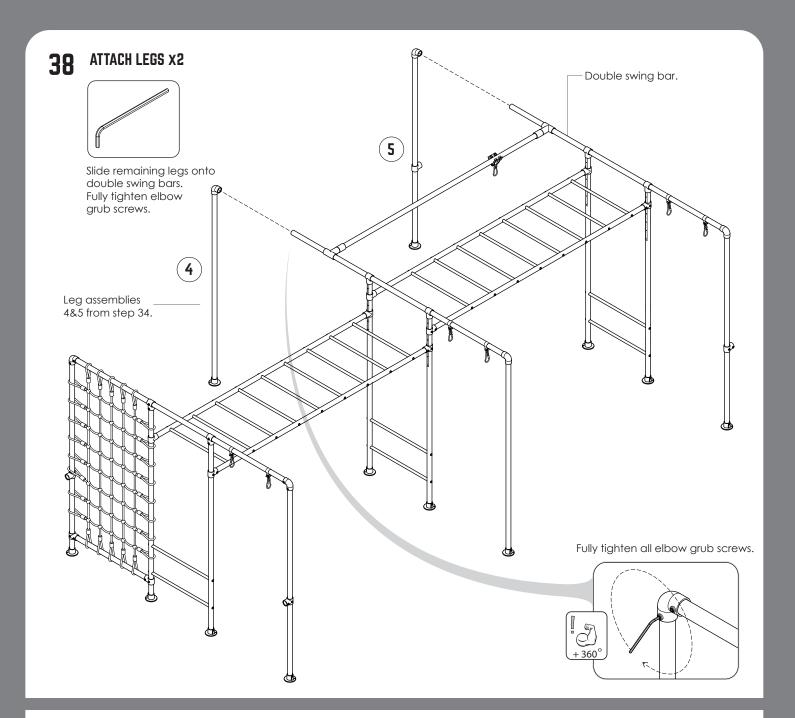






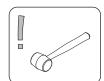




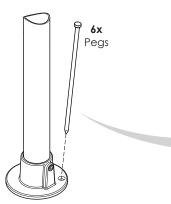


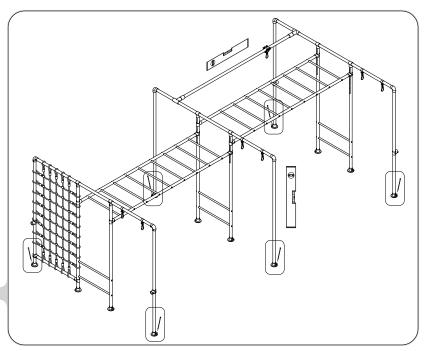




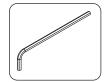


- Check level and square.
   Hammer in all remaining pegs x6.

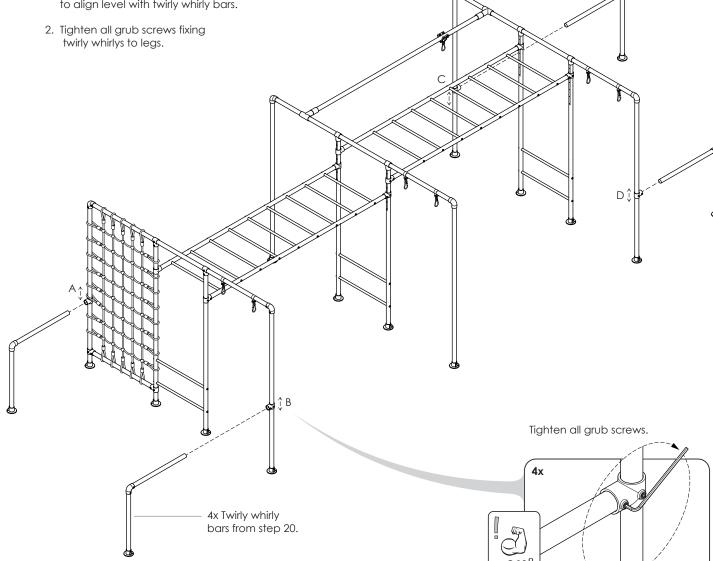




# 40 ATTACH TWIRLY WHIRLY BARS X4



Adjust & rotate short tees A,B,C & D to align level with twirly whirly bars.



## 41 CHECK ALL FITTING GRUB SCREWS ARE FULLY TIGHTENED

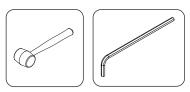




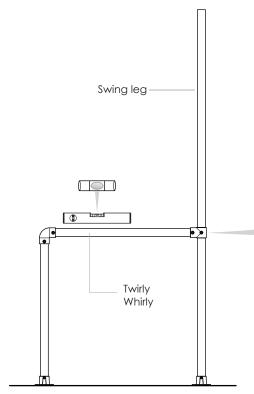


- 1. Ensure frame is square and level.
- 2. Firmly tighten all grub screws and bolts.

## 42 LOAD YOUR TWIRLY WHIRLY BARS X4

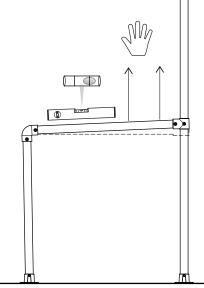


To reduce movement in your frame load your twirly whirly bars as follows.

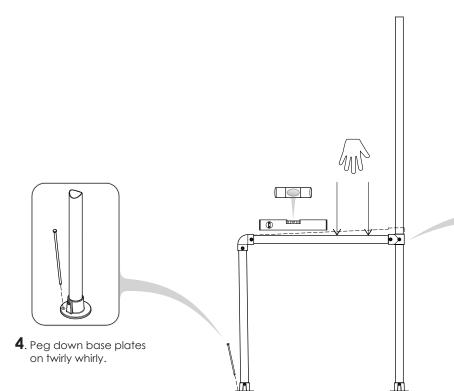


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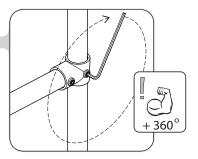
2. Loosen the grub screw fixing the short tee to the swing leg.



 Ensure twirly whirly is level and square & swing leg is pegged down. 3. Pull upwards on the twirly whirly bar to make a slight angle. (Half a bubble off center on the level)



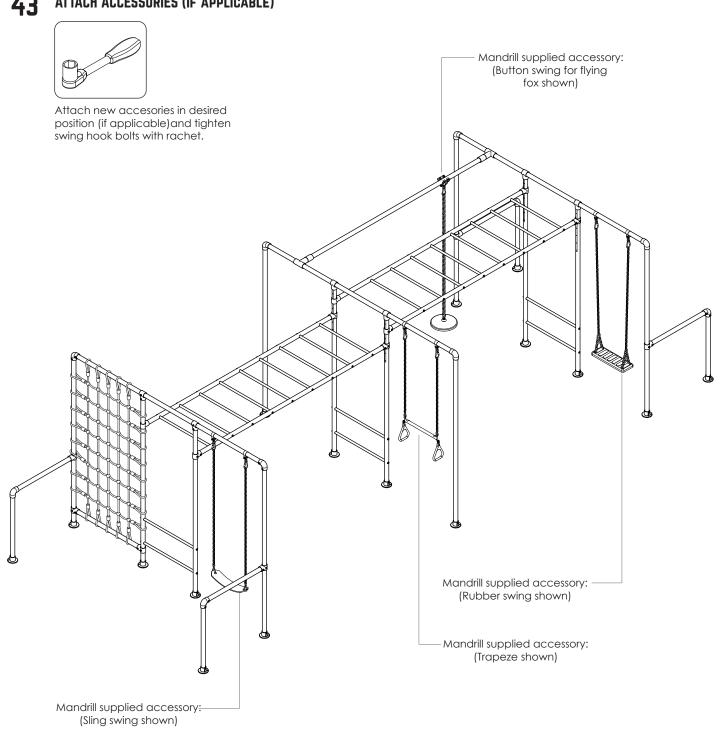
**5**. Push down on the twirly whirly bar until horizontal bar is level.



Tighten grub screw fixing the short tee to the swing leg tube. Apply to all twirly whirlys.

REFER TO VIDEO SECTION OF WEBSITE HTTP://WWW.FUNKYMONKEYBARS.COM/PAGES/VIDEOS

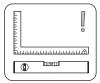
## ATTACH ACCESSORIES (IF APPLICABLE)



#### 44 FINAL CHECKS







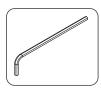
- Ensure frame is square and level.
   Firmly tighten all grub screws and bolts.
   All base plates are pegged down.



Apply your manufacturing sticker to a leg tube.

45 MAINTENANCE.





At the beginning of each heavy play session (especially a party) and twice a month during play season ensure;

- 1. Tighten all hardware grub screws, nuts and bolts.
- 2. Pegs are in place and fully secure.
- 3. Lubricate all metallic moving parts with WD40 or Vasaline (trolley and swing hooks.)
- 4. Ensure your frame is level and square.

FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

# FOR MORE INFORMATION AND ASSEMBLY TIPS PLEASE REFER TO OUR WEBSITE VIDEO INSTRUCTION SECTION AT HTTP://WWW.FUNKYMONKEYBARS.COM/PAGES/VIDEOS

46 HAVE FUN



| NOTES. |
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