

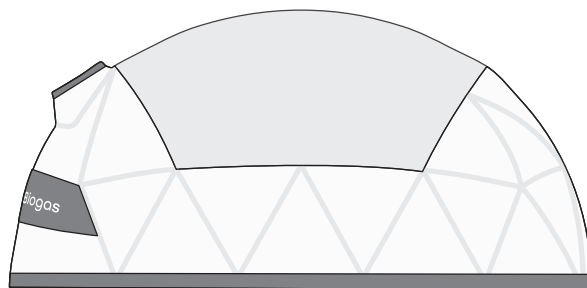
Booster Kit: Thermo-Shield

assembly guide

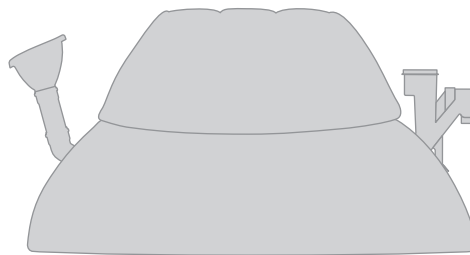
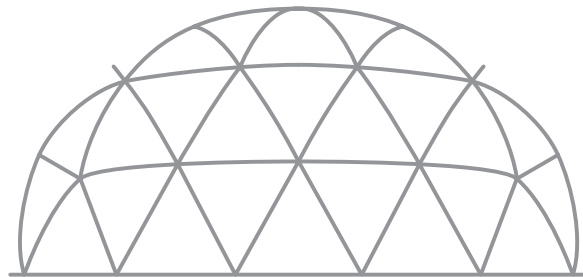
version 221222



Thermo-Shield Dimensions:

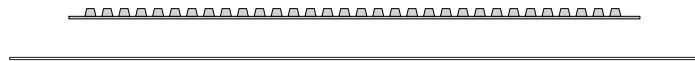


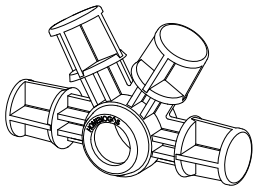
Frame & Cover: 3.0 x 2.0 x 1.4m



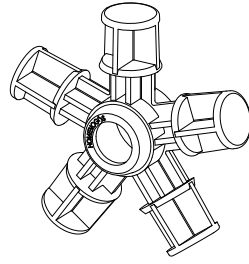
Insulation Layer: 2.2 x 1.2m

Ground Sheet: 3.6 x 2.4m

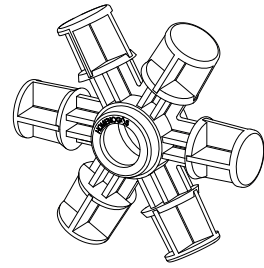




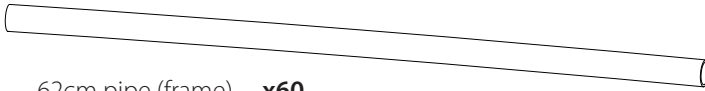
4-way connector **x14**



5-way connector **x6**



6-way connector **x17**



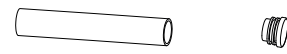
62cm pipe (frame) **x60**



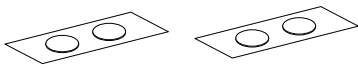
31cm pipe (side brace) **x2**



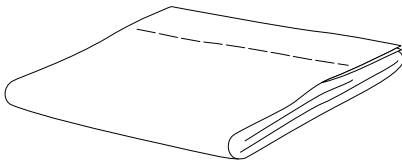
55cm pipe (frame) **x30**



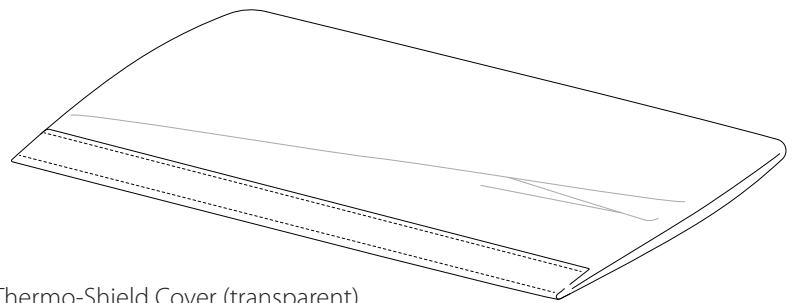
15cm pipe (side brace) **x2**
pipe insert (side brace) **x2**



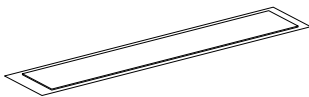
orientation marking stickers **x4**



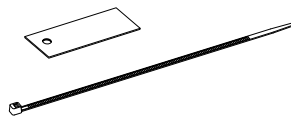
ground sheet (black)



Thermo-Shield Cover (transparent)



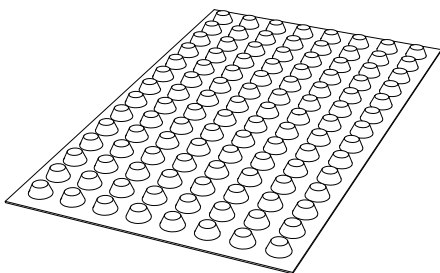
duct tape strips **x14**



sink velcro strip **x4**
zip-tie (for sink velcro) **x4**



fertilizer pipe support strap



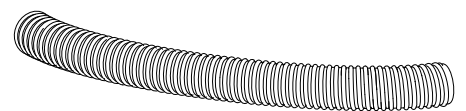
insulation sheets **x9**



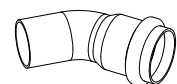
U-stake **x4**



cover peg **x6**



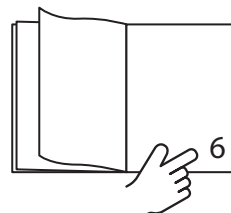
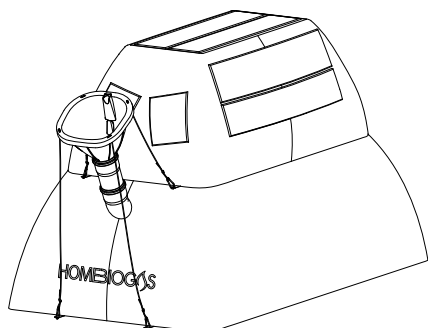
fertilizer outlet pipe (60cm)



fertilizer outlet elbow

System already assembled/in use

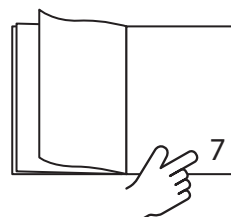
Go to page 6



- ① Place Groundsheet
- ② Install Thermo-Regulator (If available. Refer Thermo-Regulator Manual)
- ③ Assemble & install Thermo-Shield

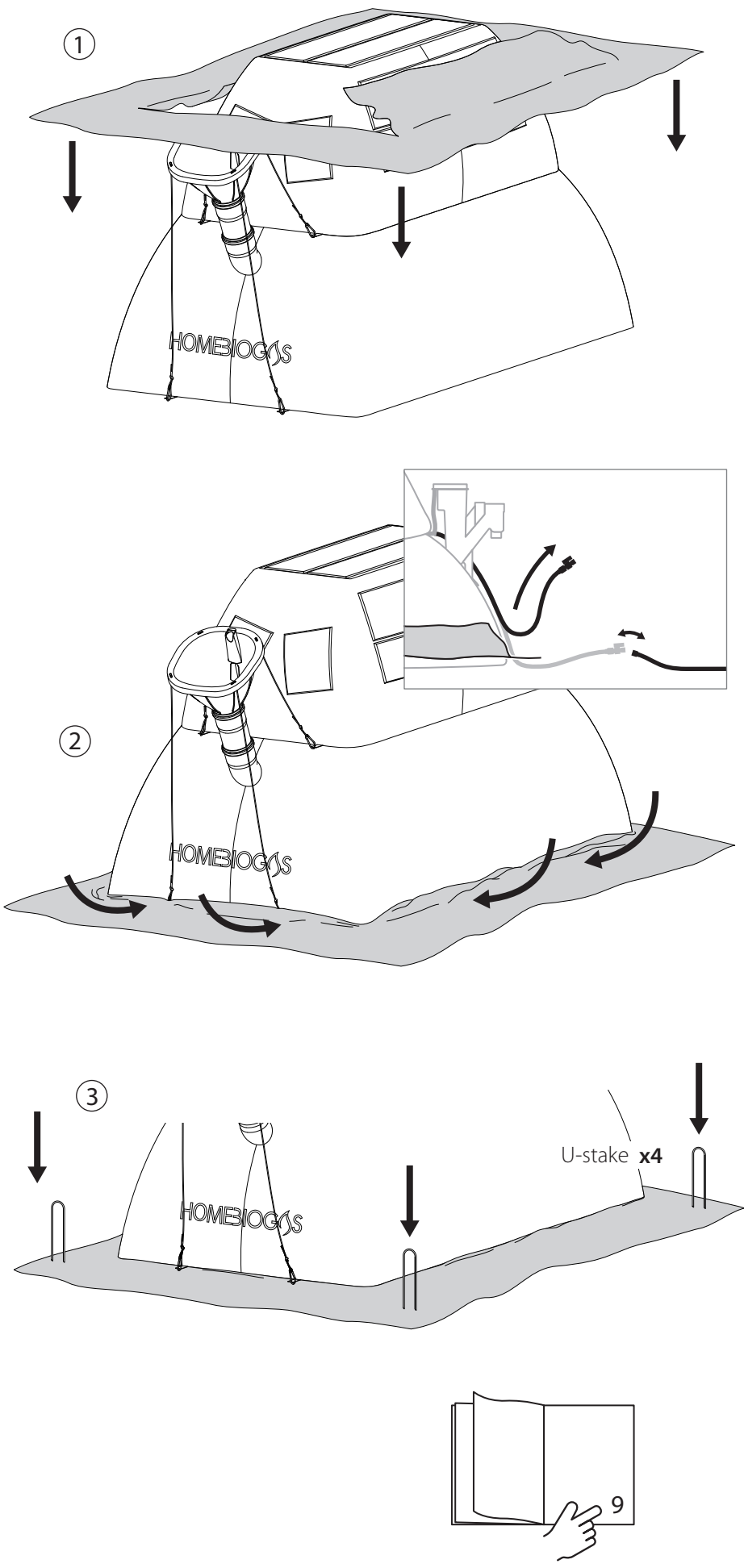
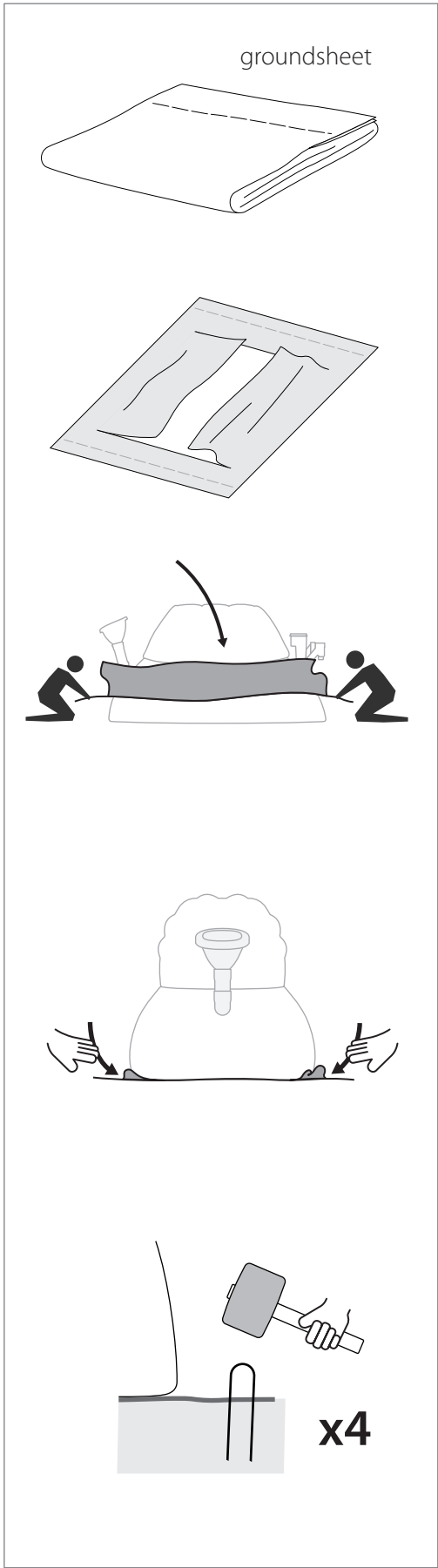
System not yet assembled

Go to page 7

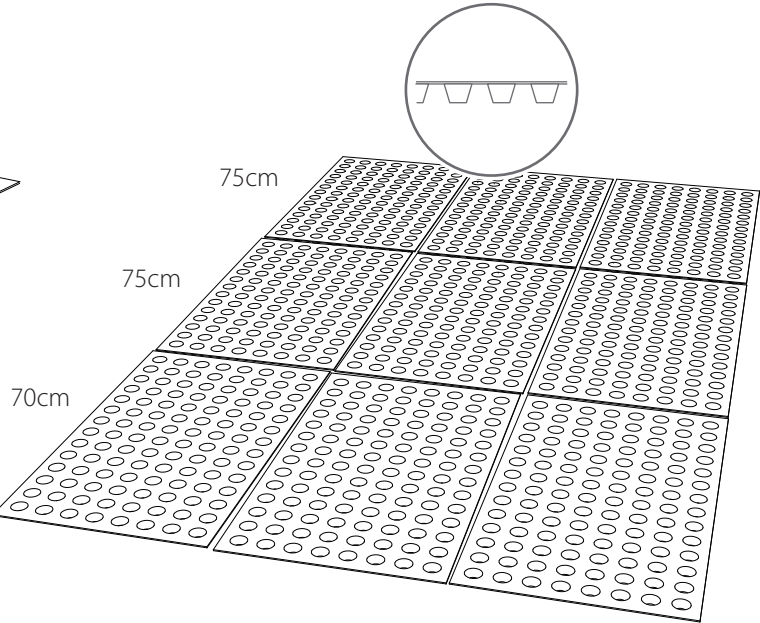
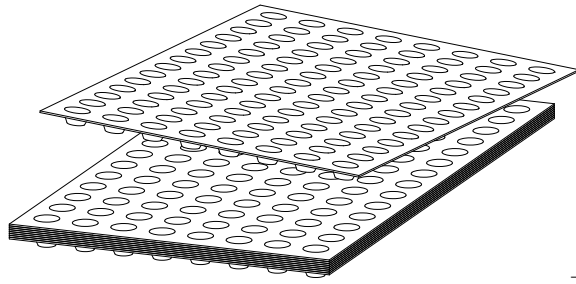


- ① Select site (Refer Homebiogas User Manual)
- ② Place Groundsheet & Insulation sheets
- ③ Install & activate system (Refer Homebiogas User Manual)
- ④ Install Thermo-Regulator (If available. Refer Thermo-Regulator Manual)
- ⑤ Assemble & install Thermo-Shield

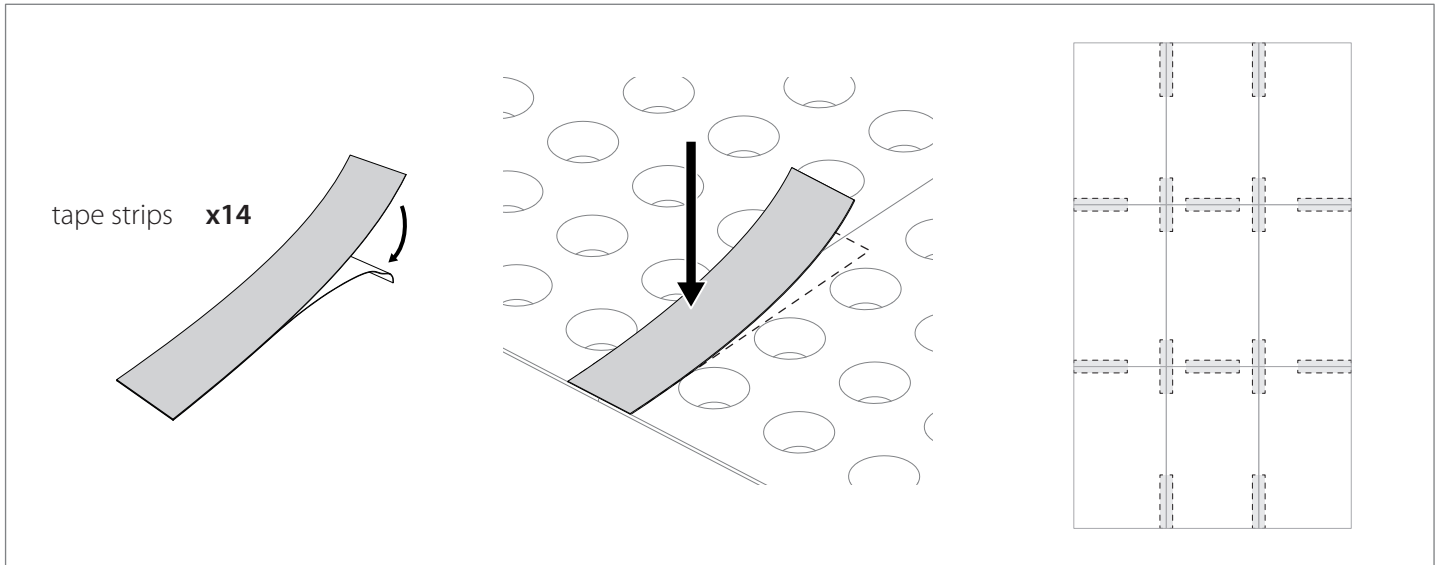
i The Groundsheet prevents growth of vegetation under the Thermo-Shield



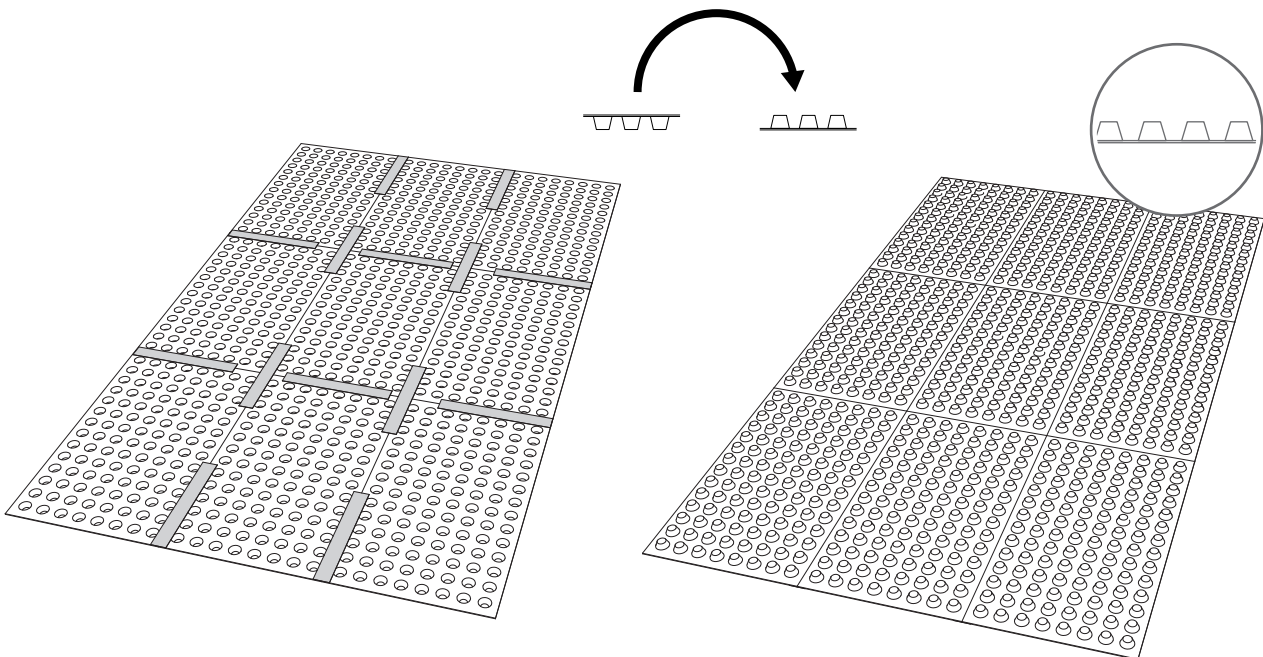
insulation sheet **x9**
(3x 70cm, 6x 75cm)



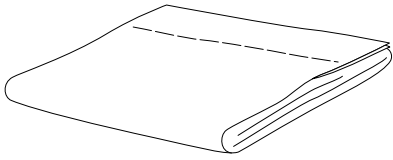
! place 3x shorter (70cm) sheets in the same row



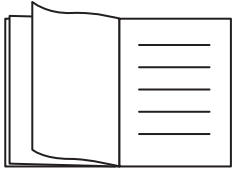
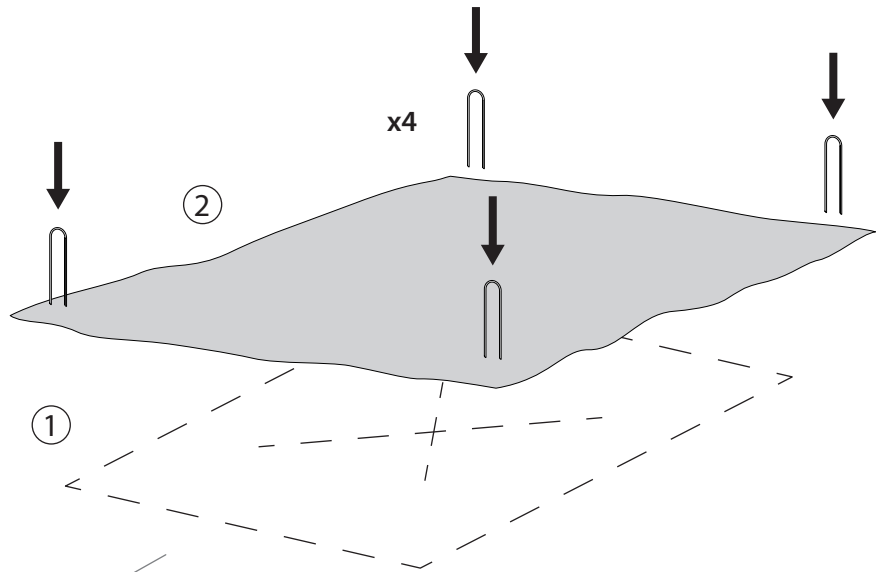
tape strips **x14**



groundsheet

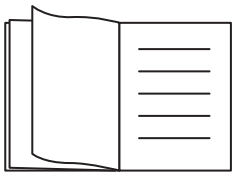
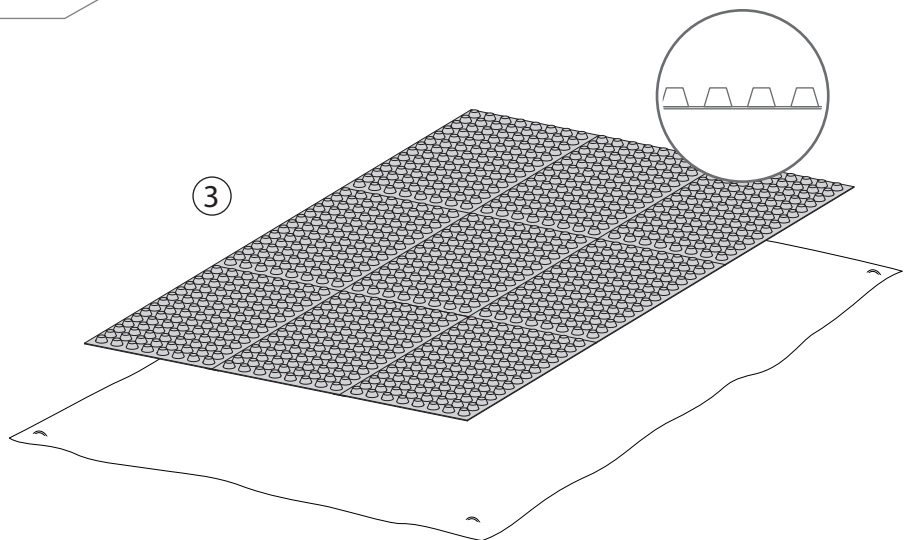


i The Groundsheet prevents growth of vegetation under the Thermo-Shield

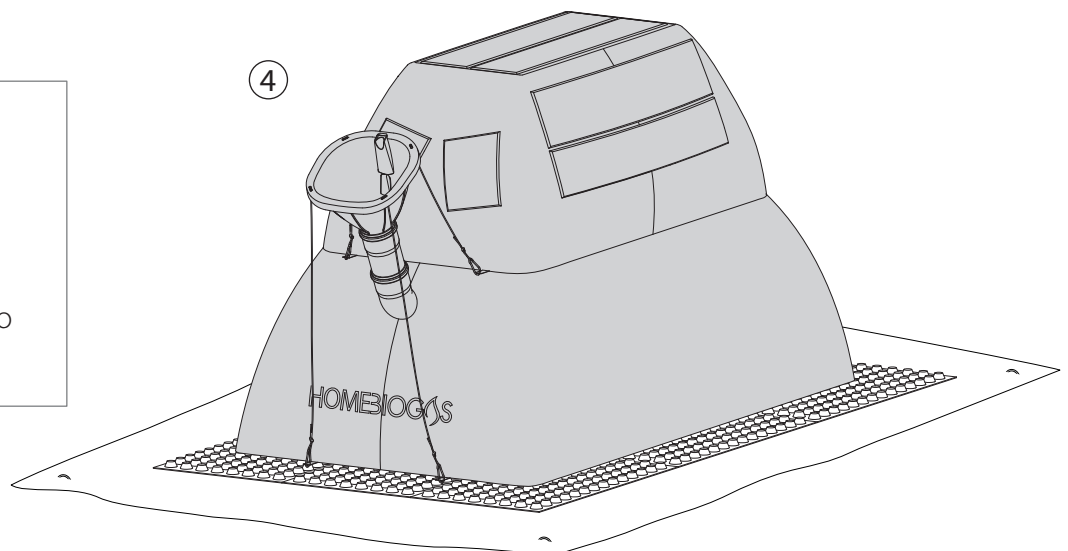


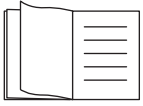
Select site according to **Homebiogas User Manual**

i Insulation layer prevents heat loss to the ground



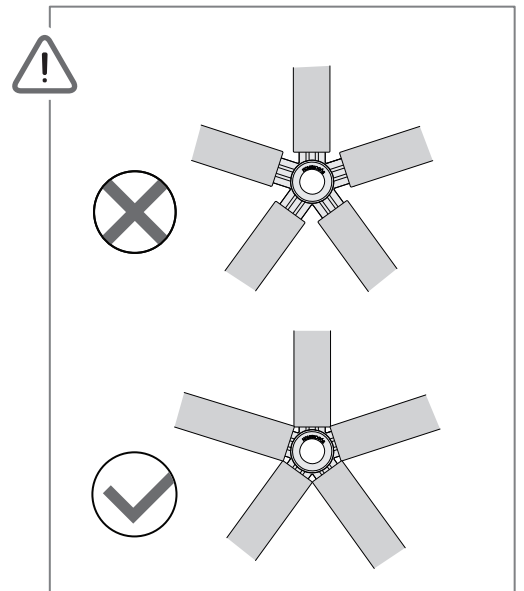
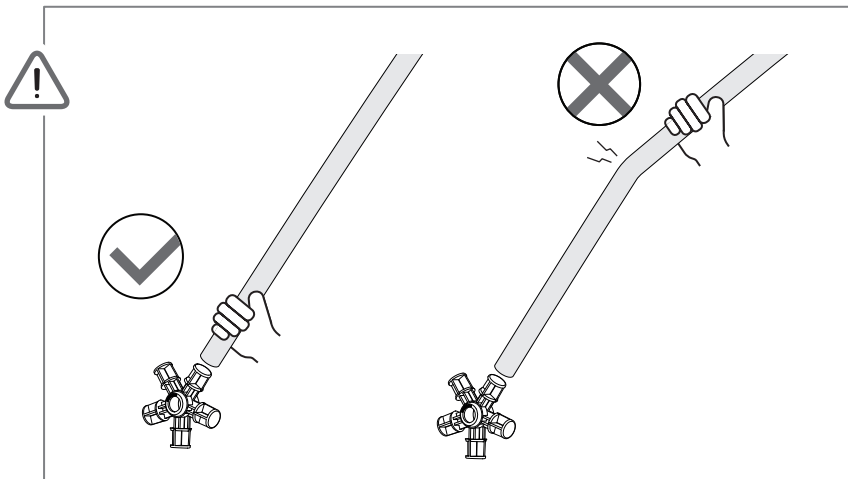
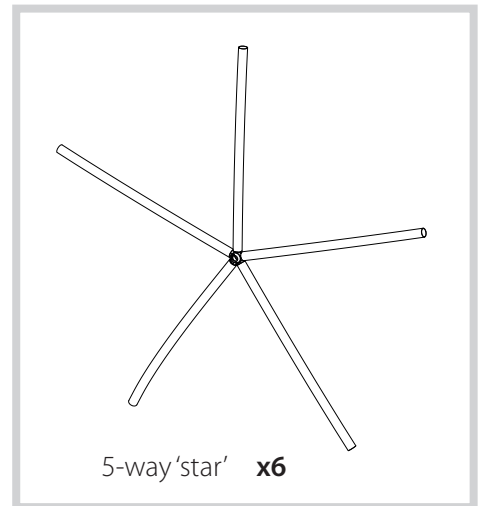
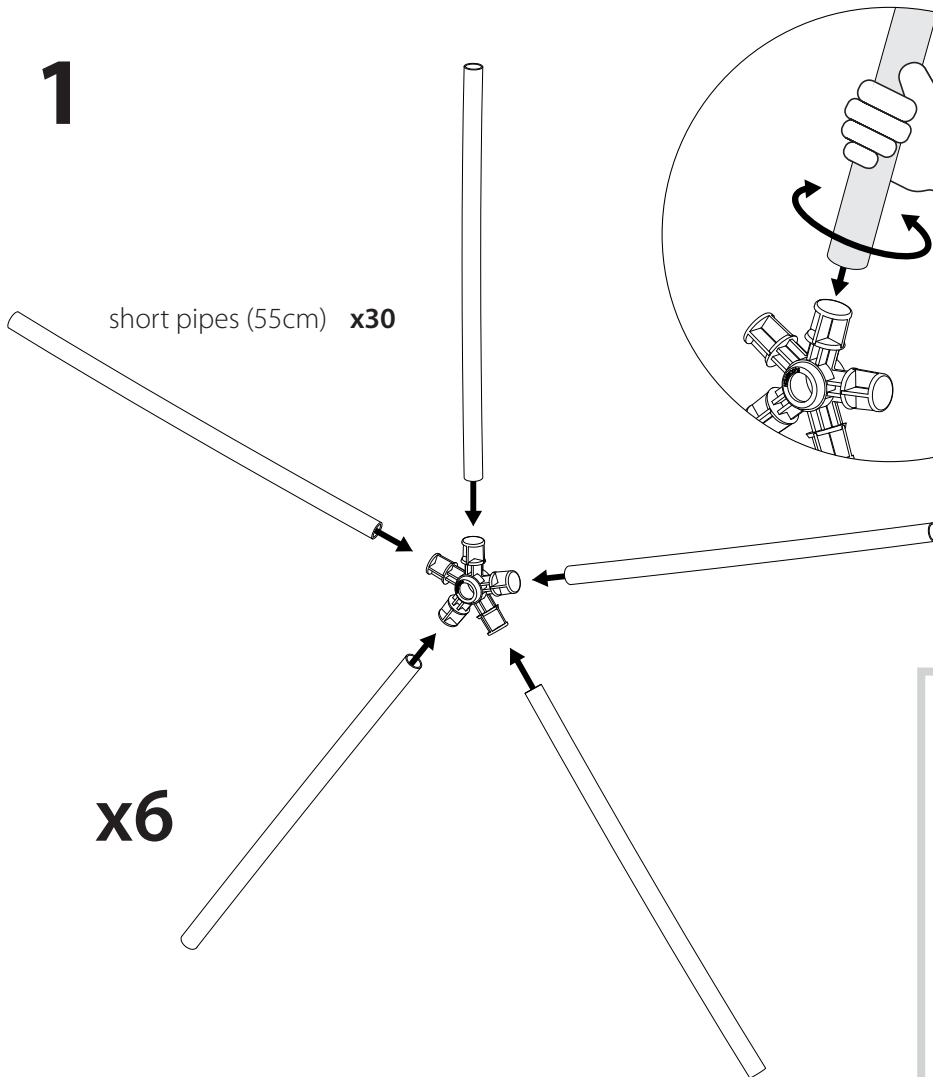
Assemble system according to **Homebiogas User Manual**



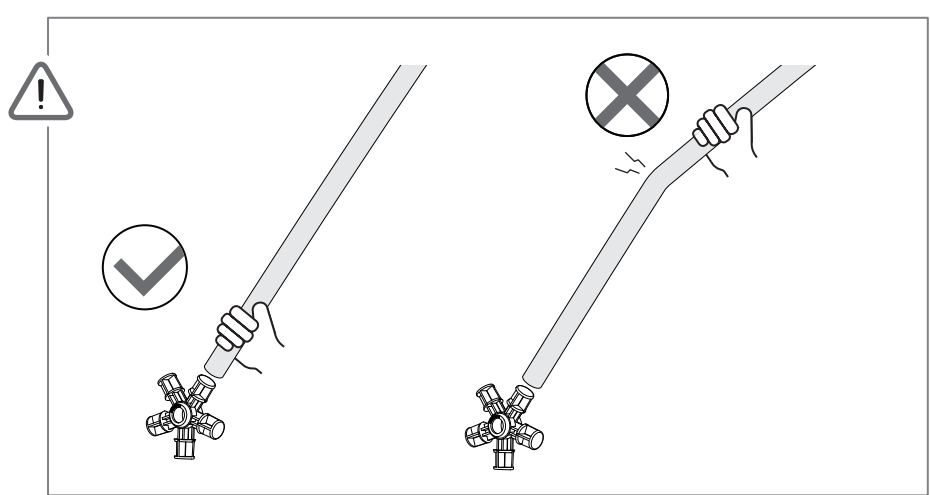
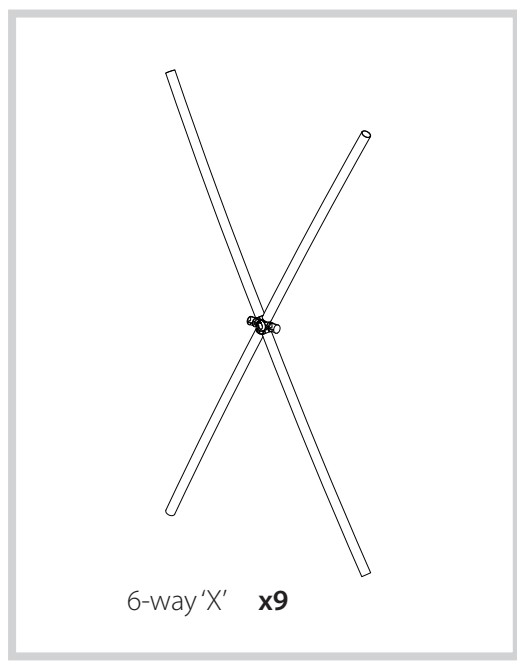
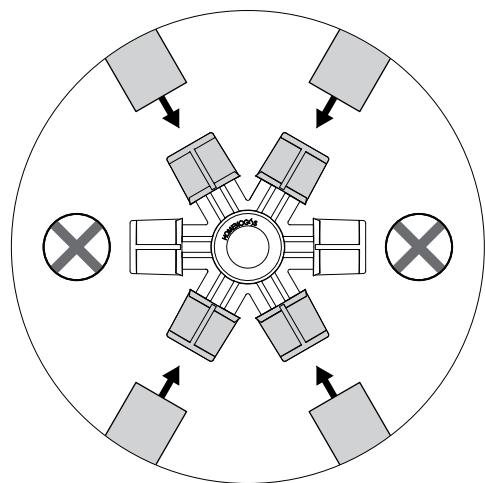
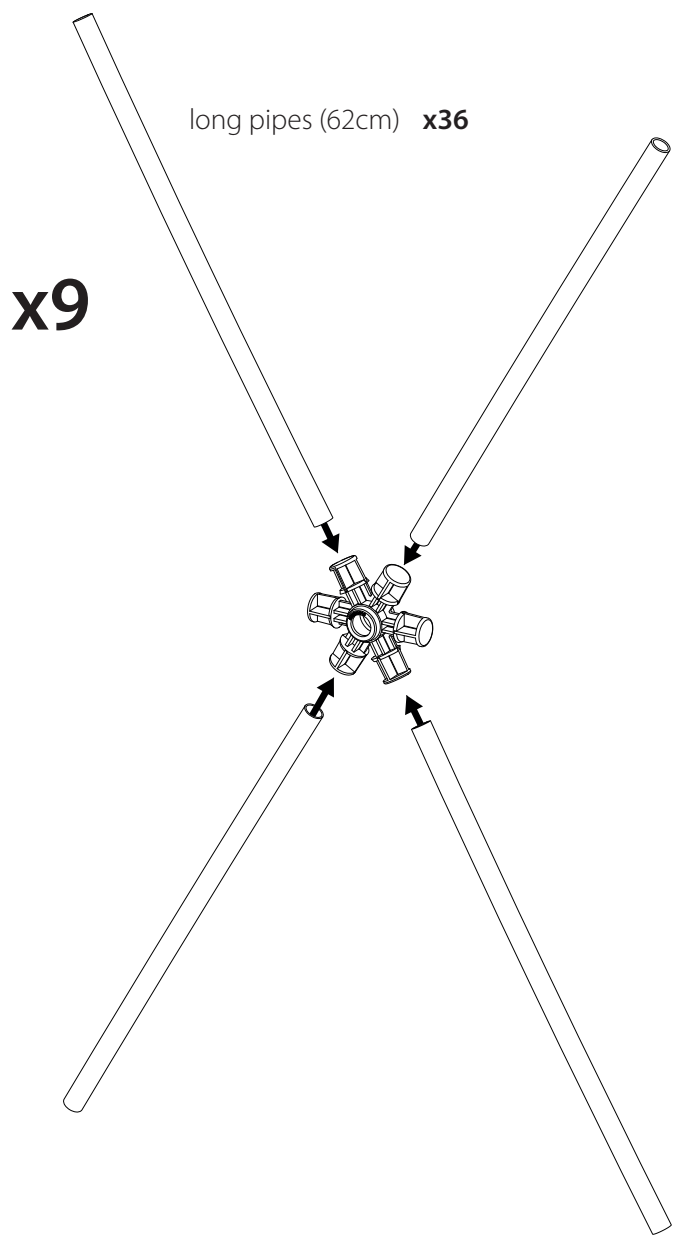


First install Thermo-Regulator, if available, according to user manual provided

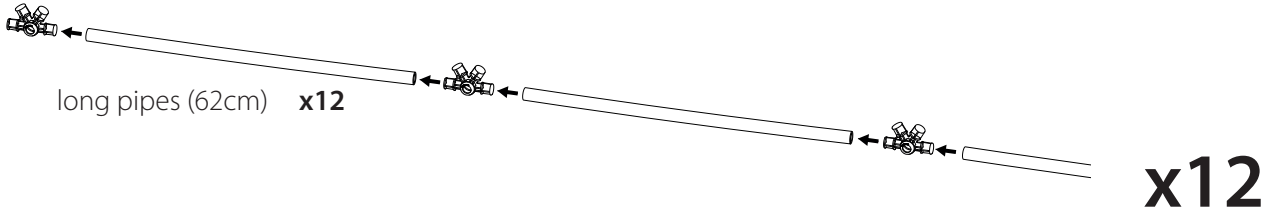
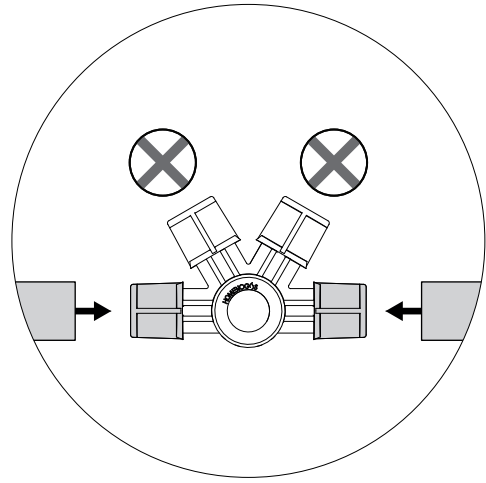
1



2



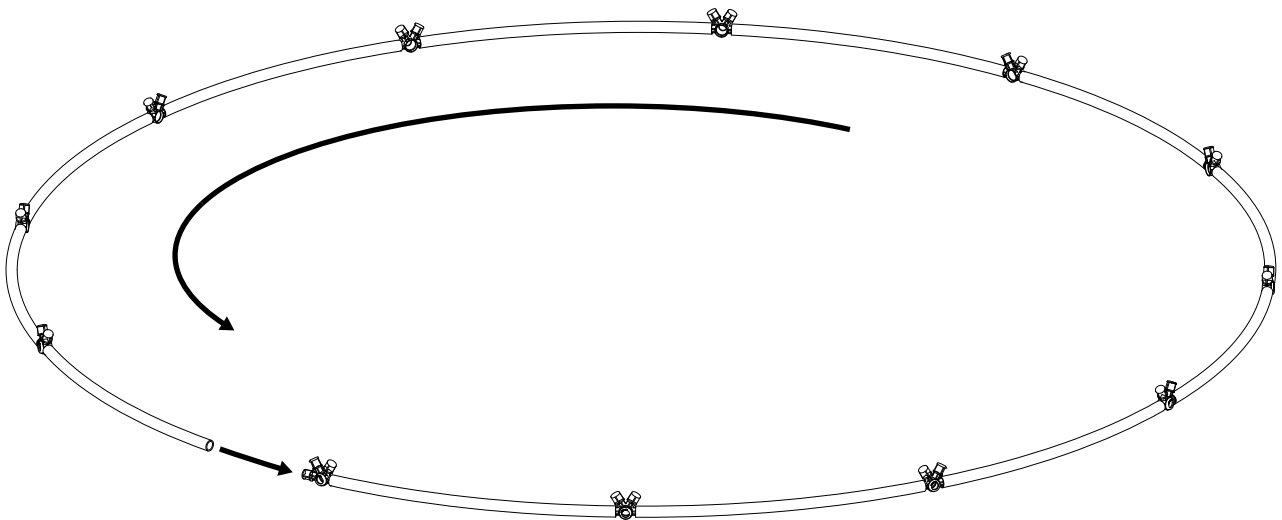
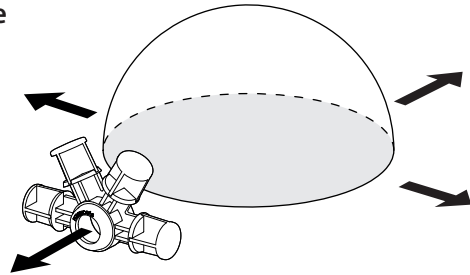
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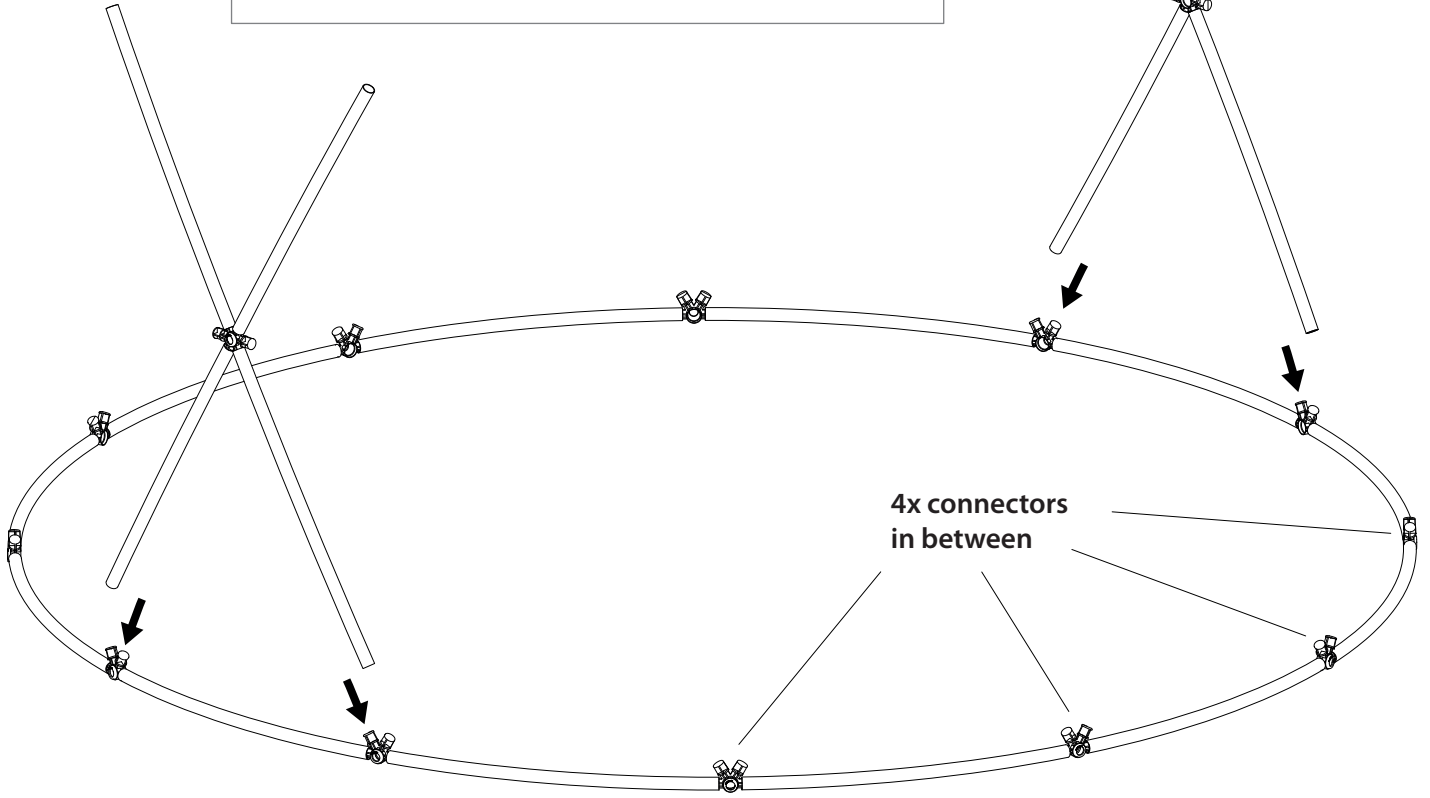
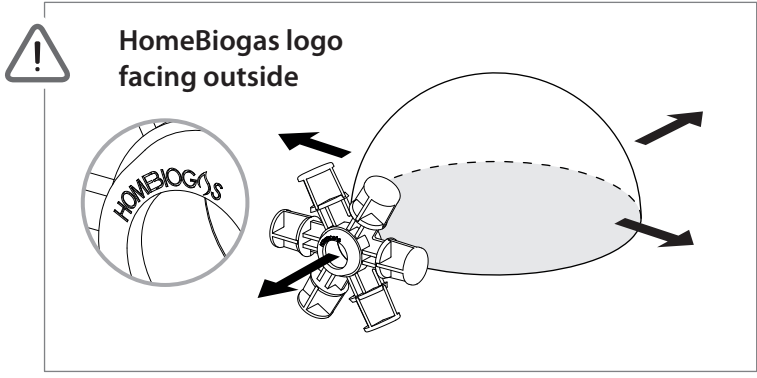
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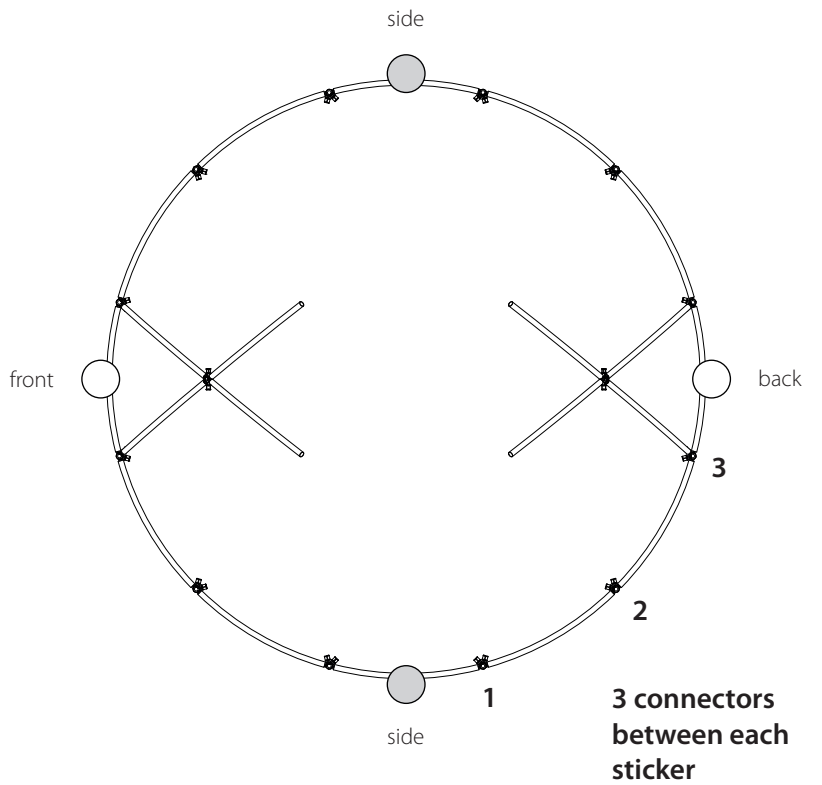
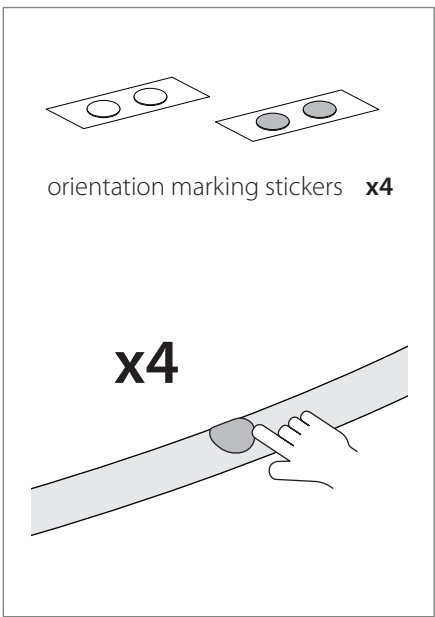
HomeBiogas logo facing **outside**



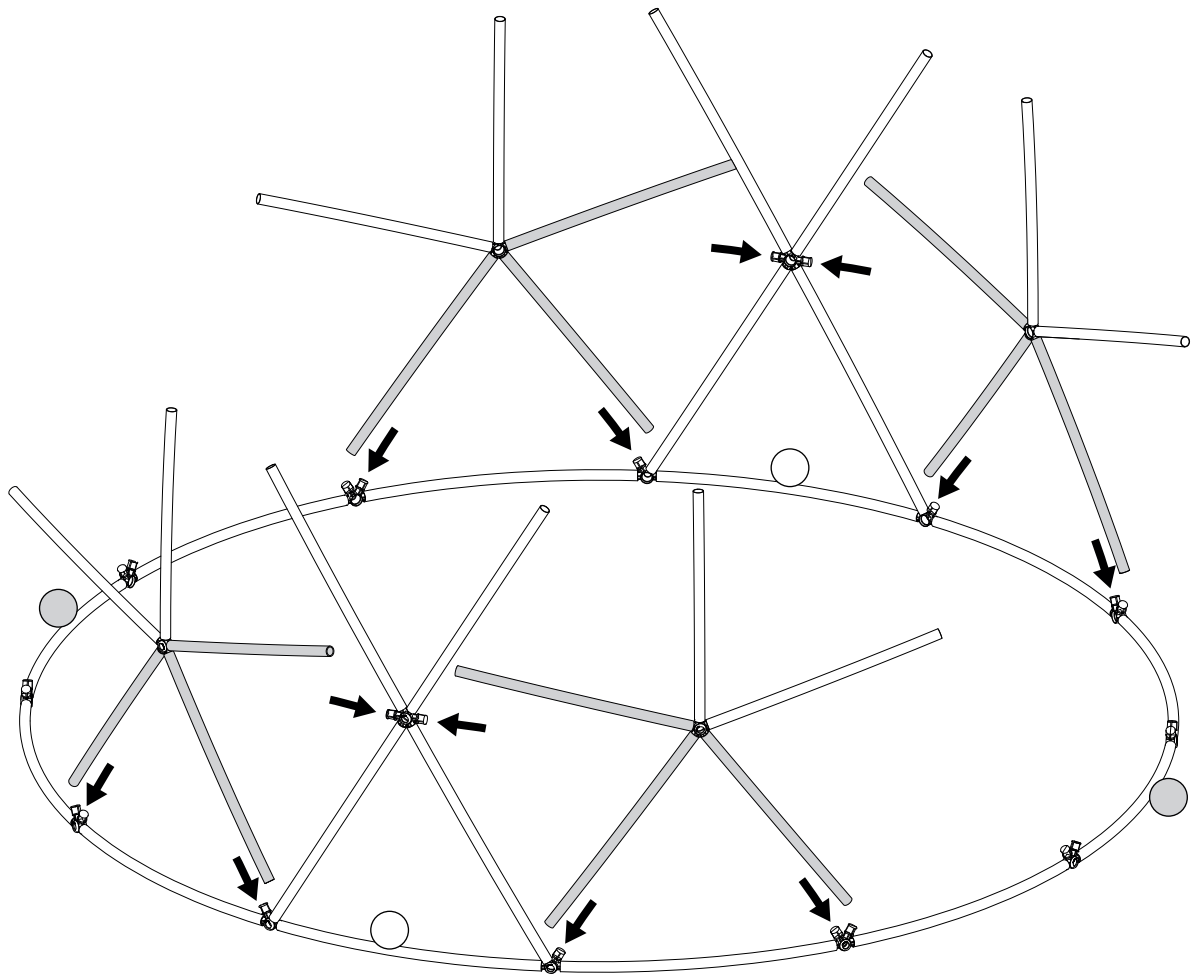
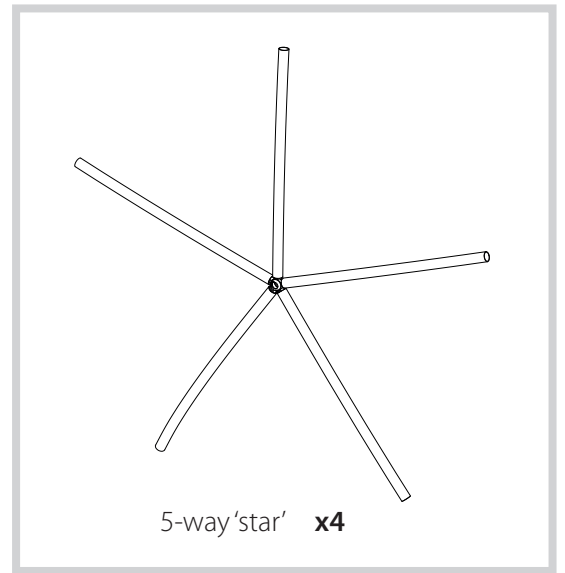
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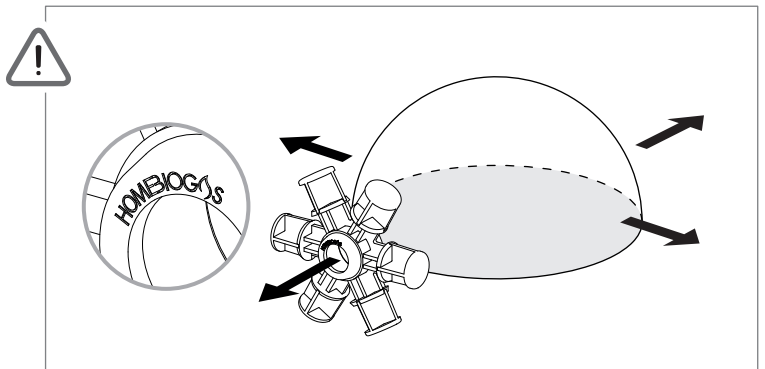
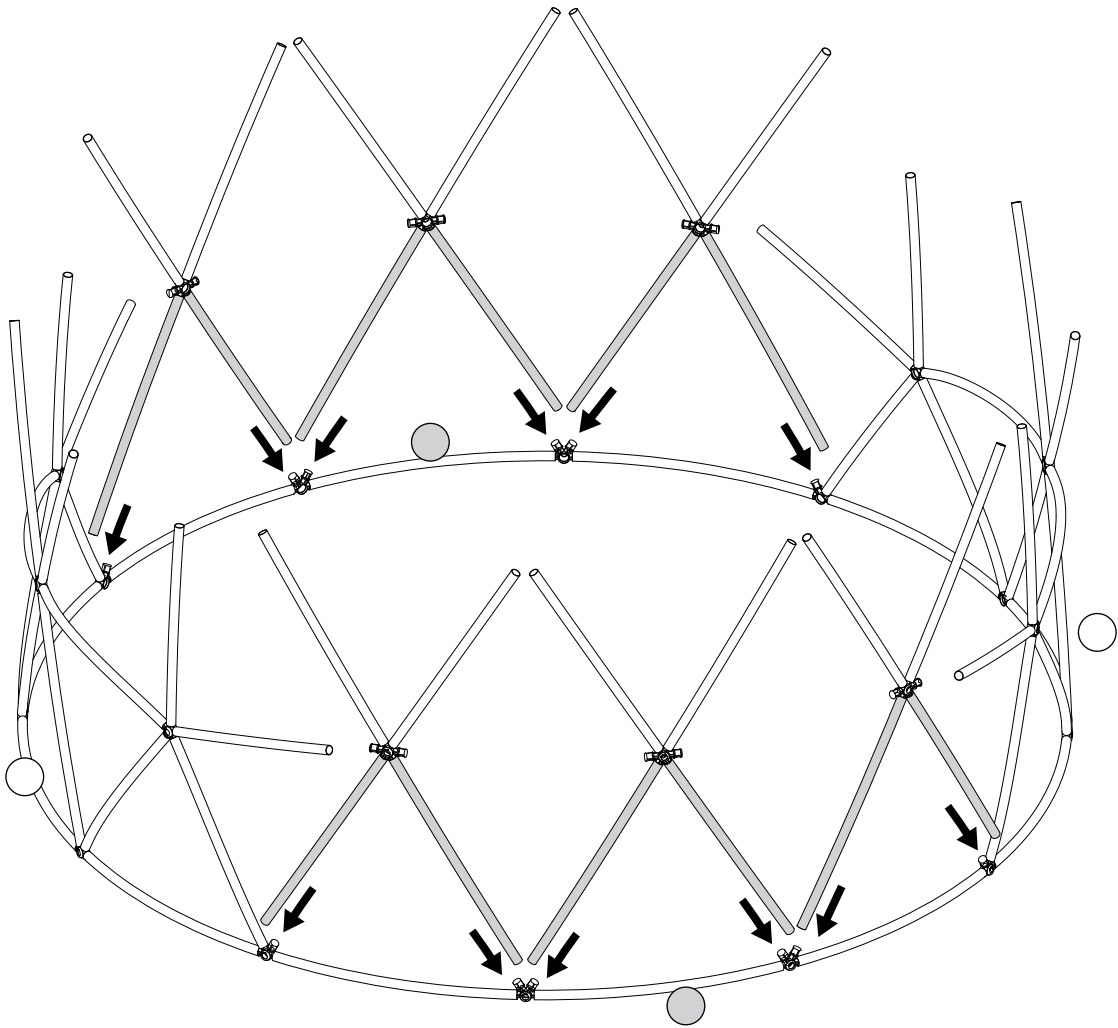
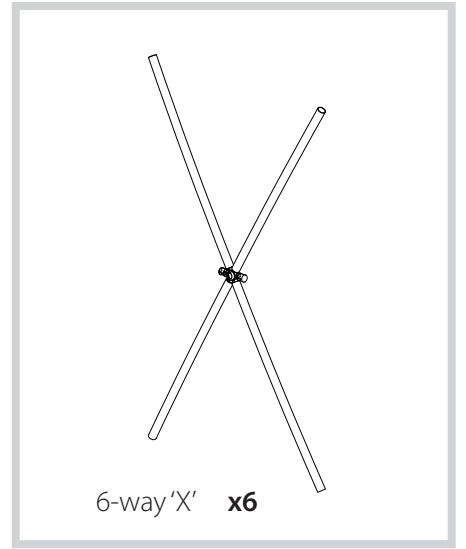
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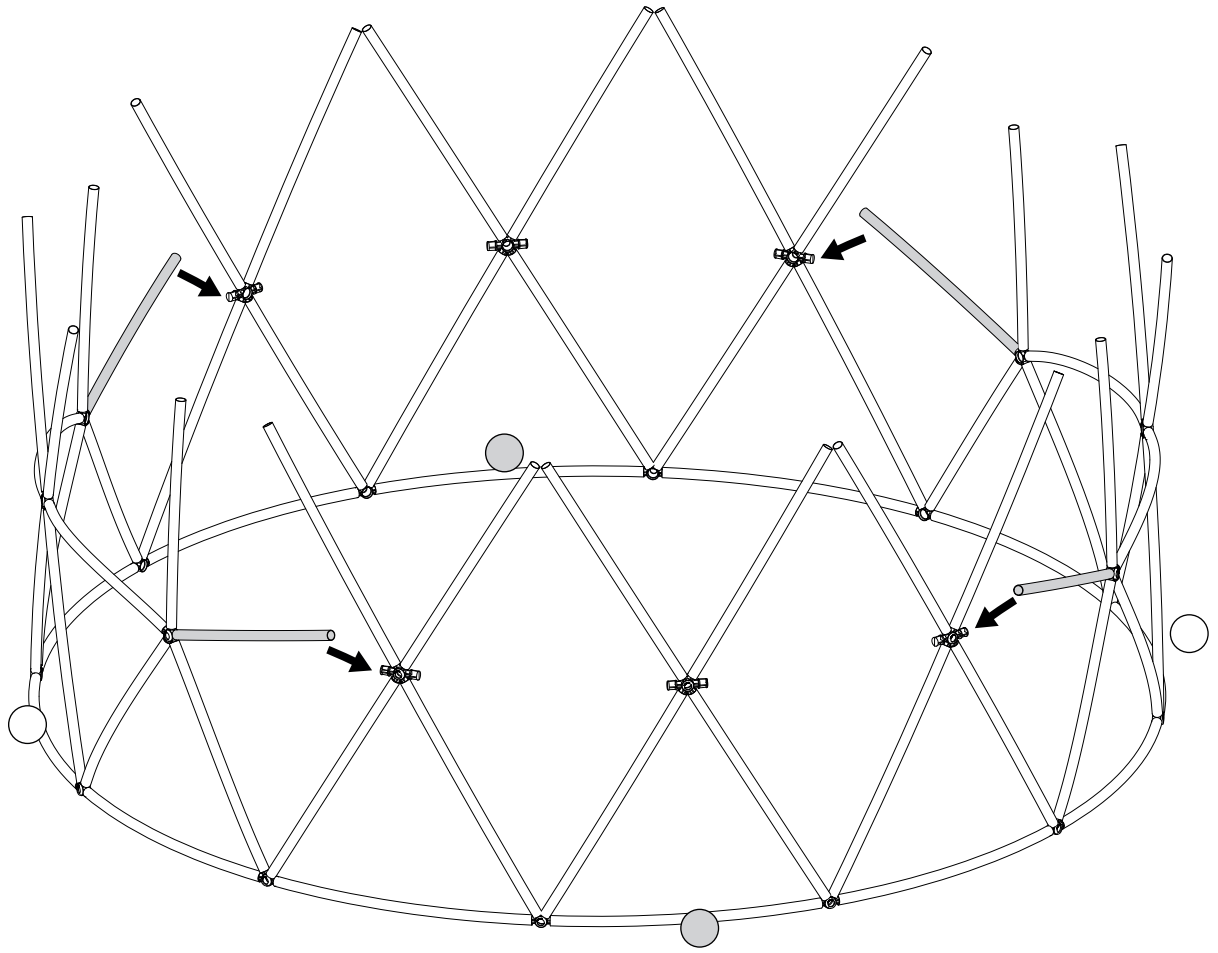
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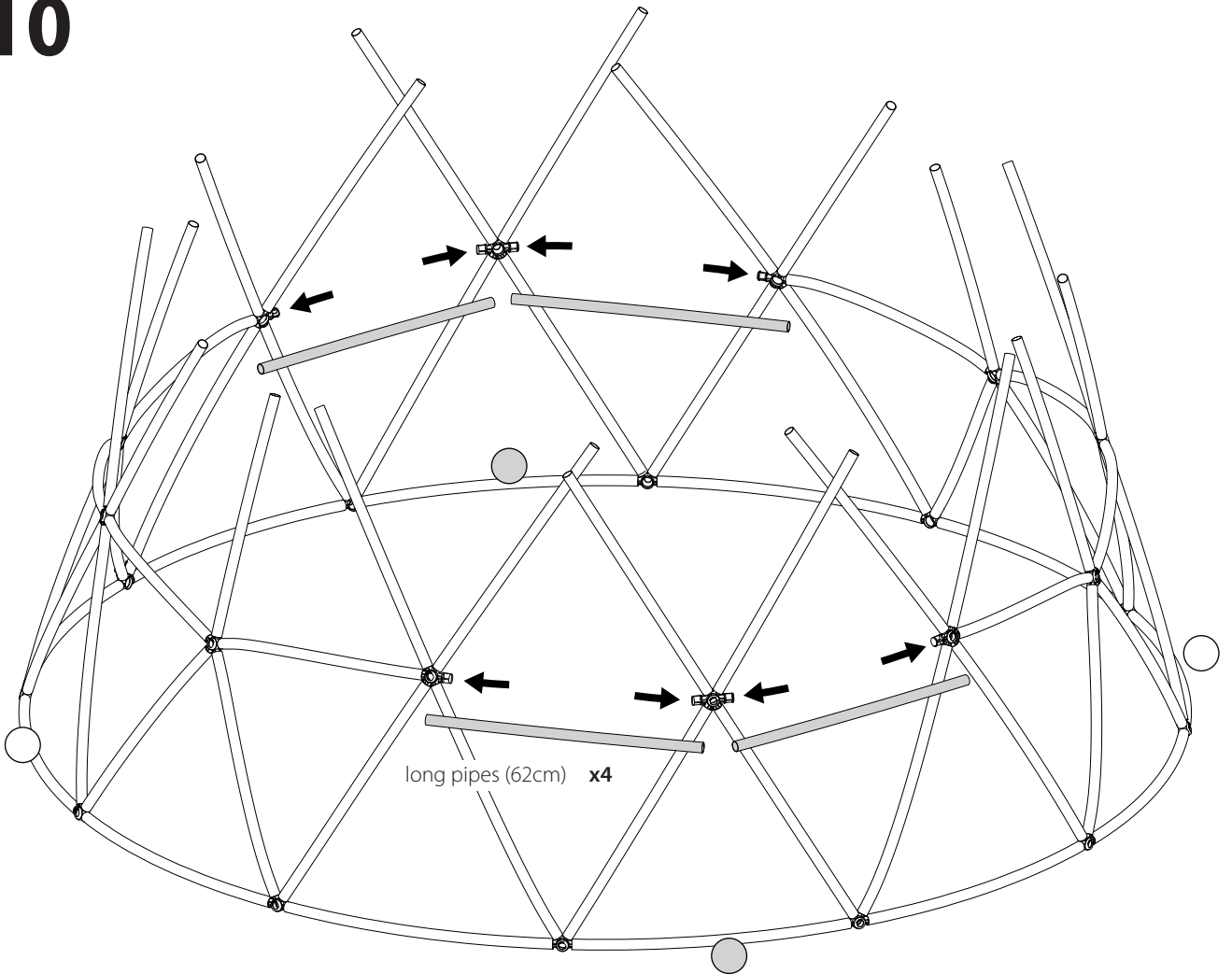
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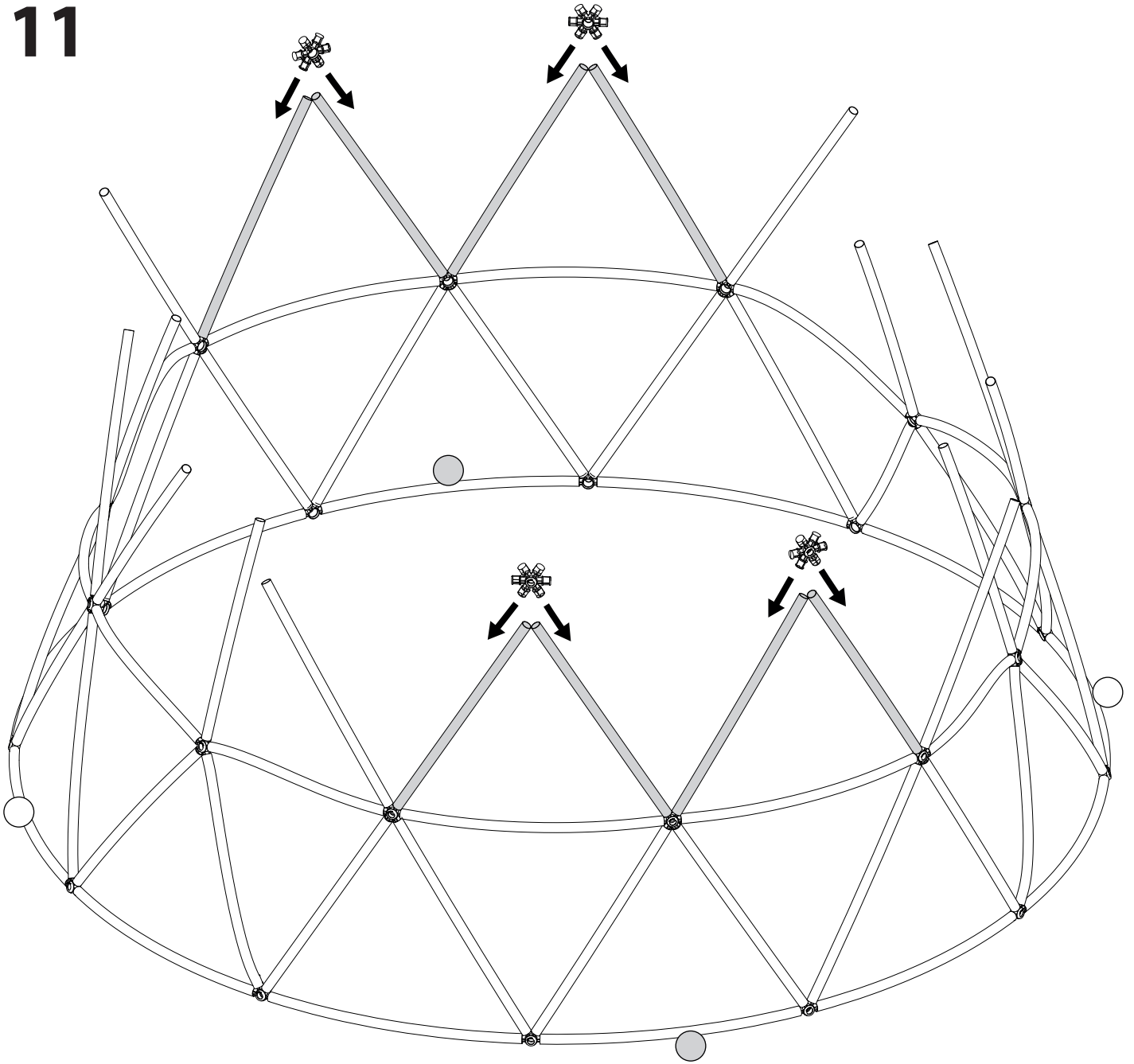
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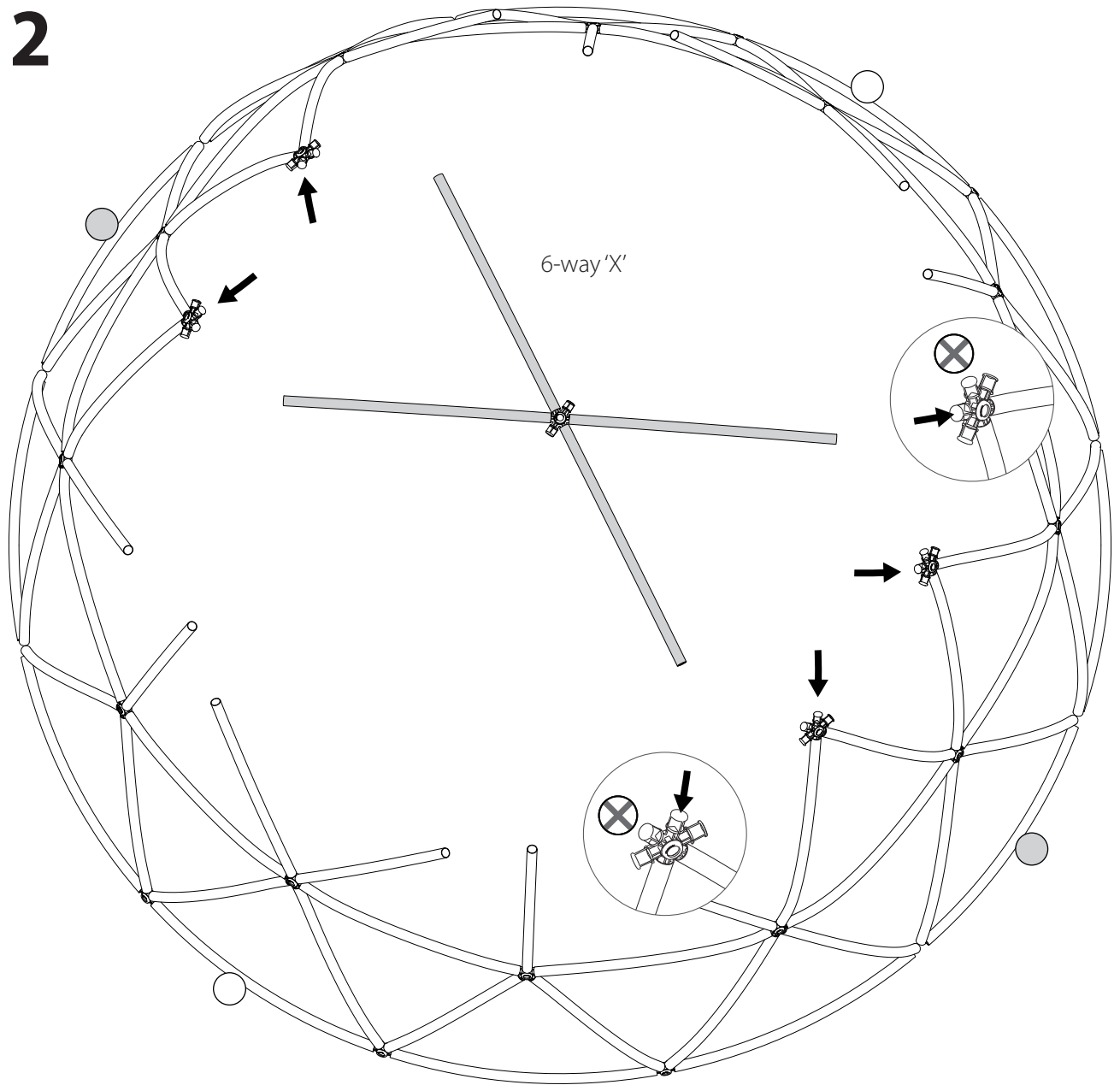
10



11



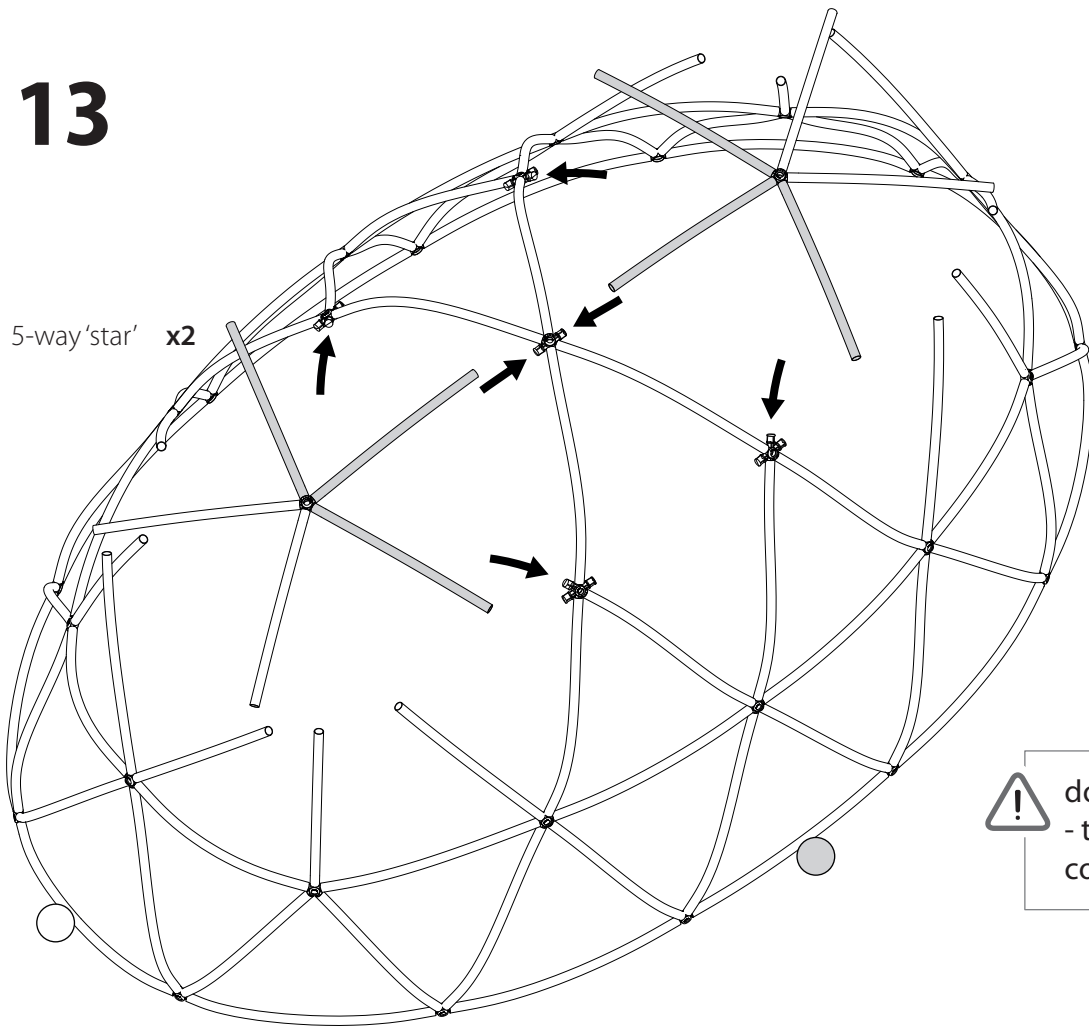
12



do not over-bend pipes
- this can damage
connectors

13

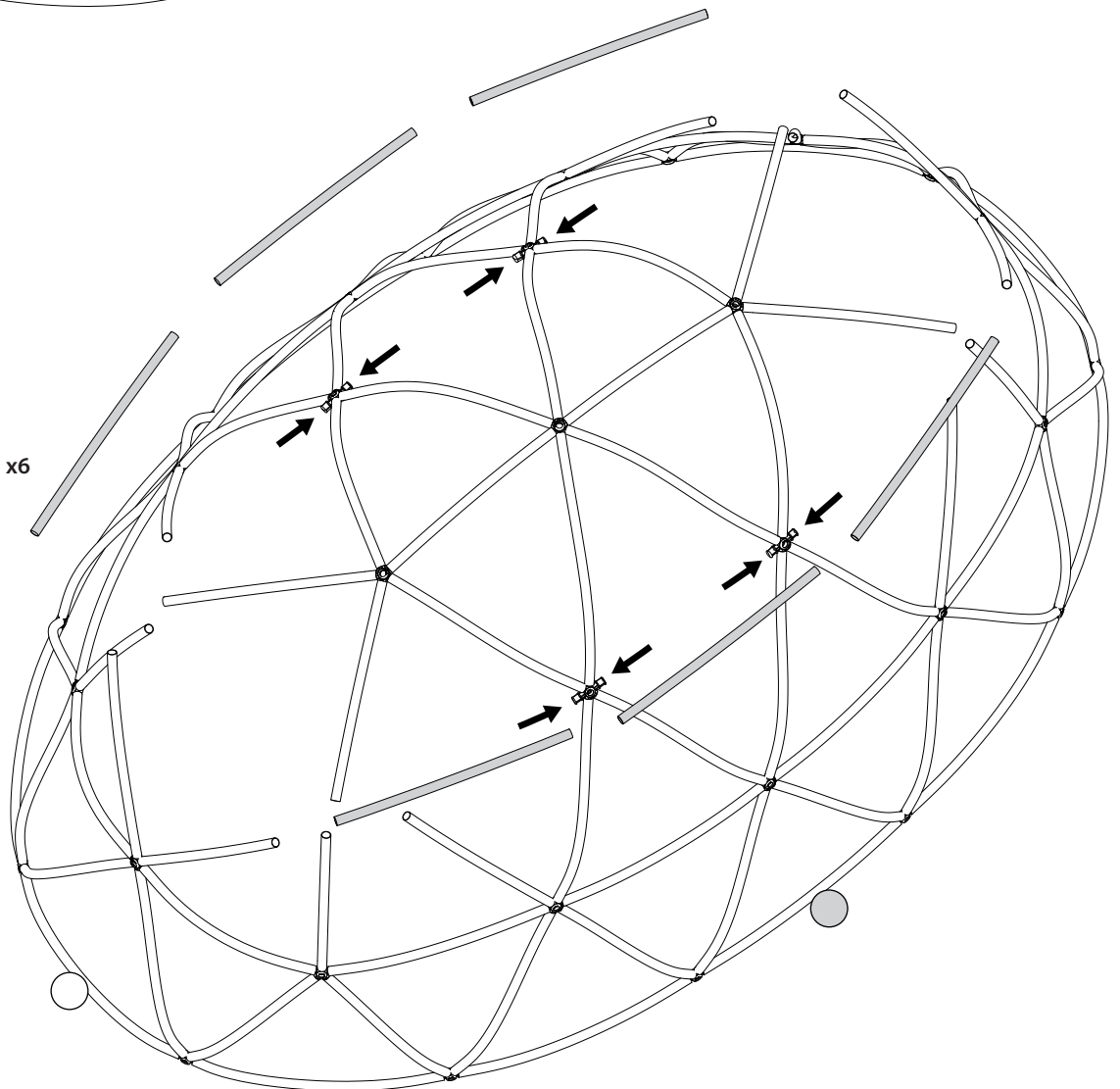
5-way 'star' x2



! do not over-bend pipes
- this can damage
connectors

14

long pipes (62cm) x6

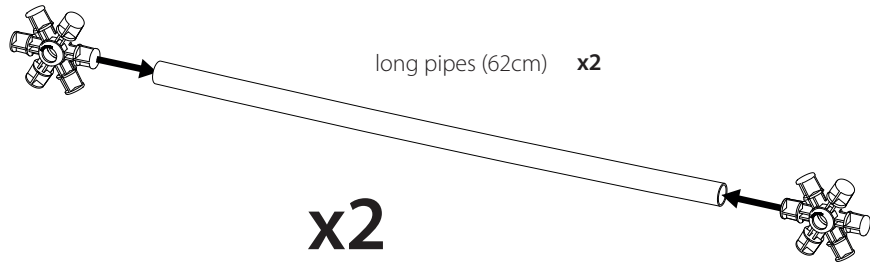


15

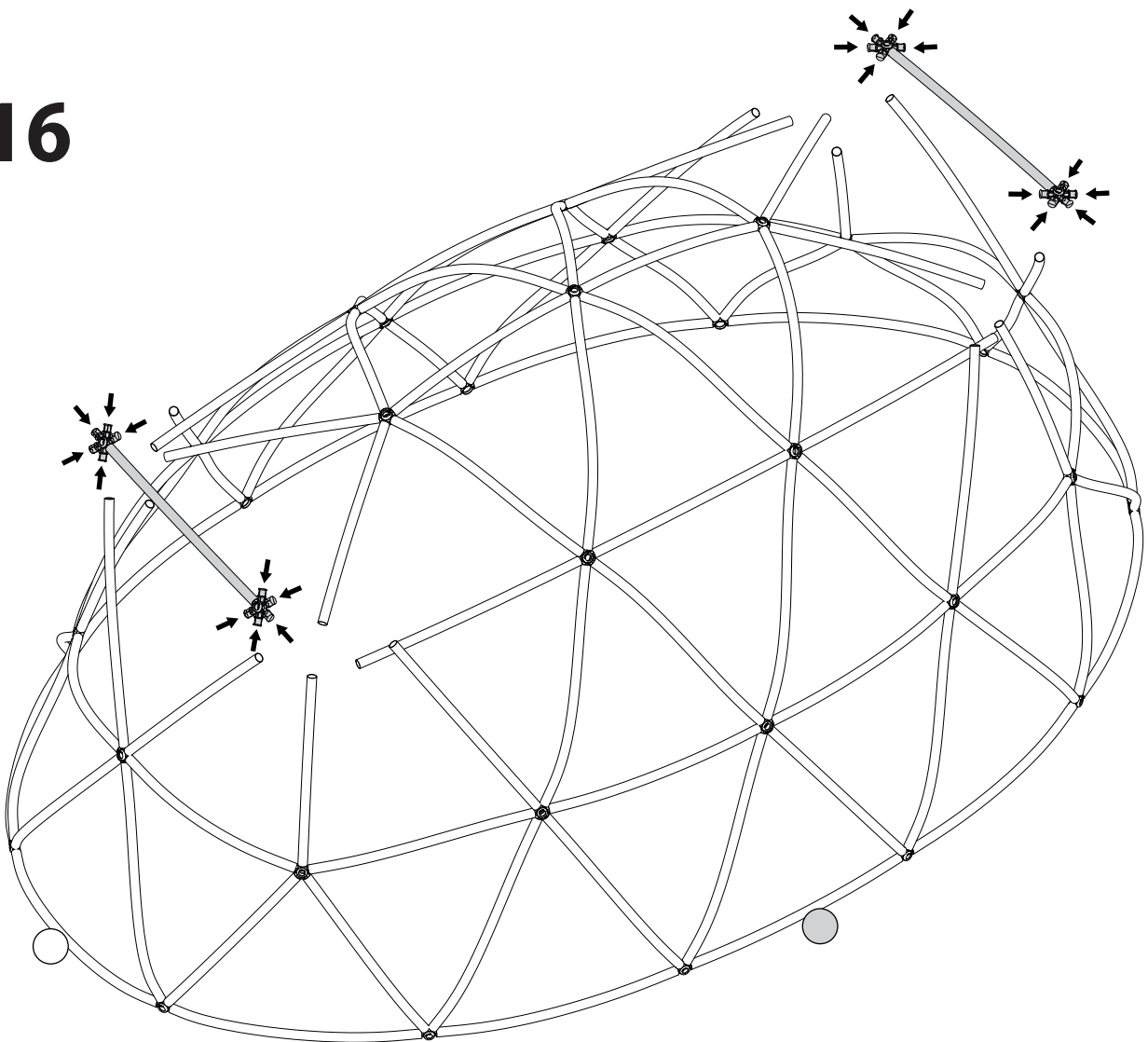
6-way connector x4

long pipes (62cm) x2

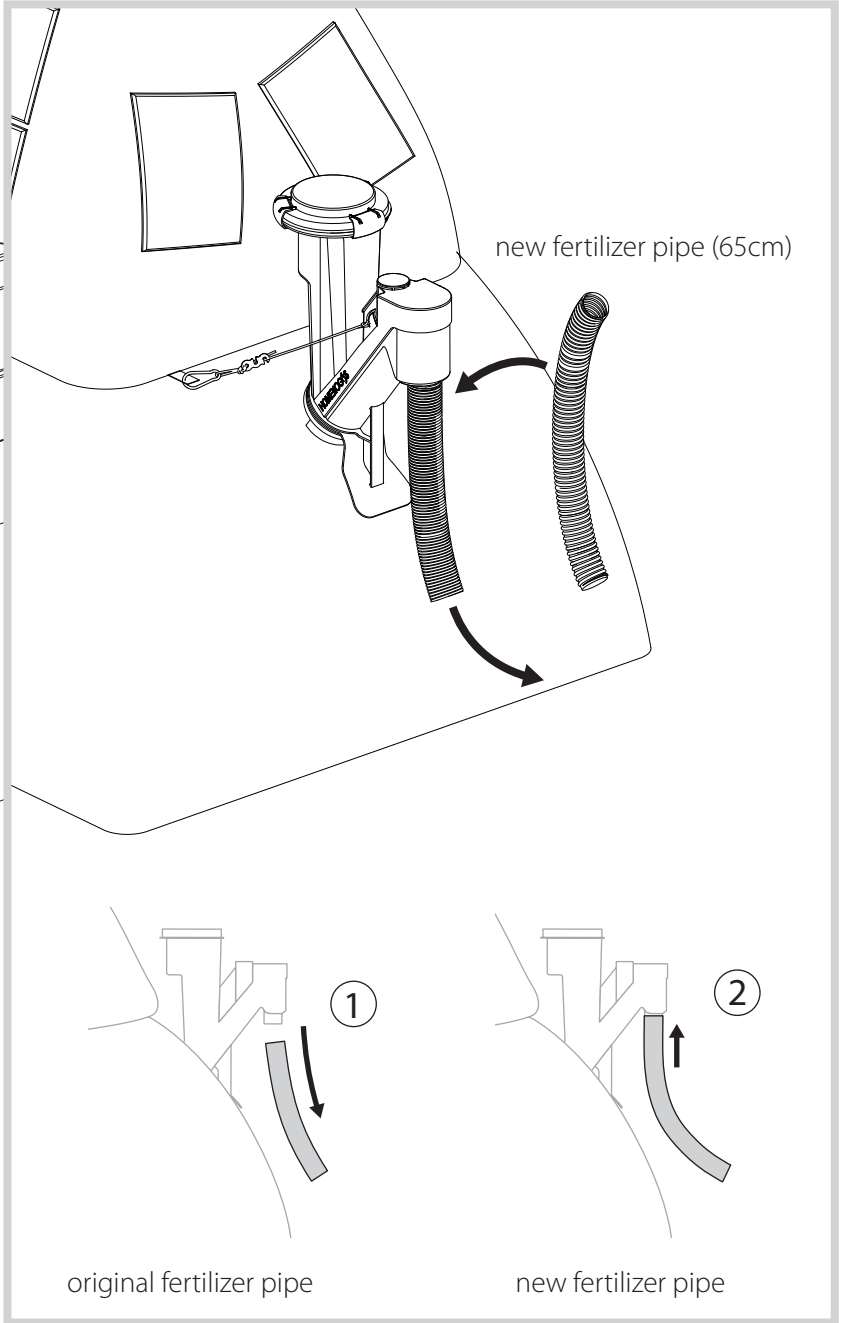
x2



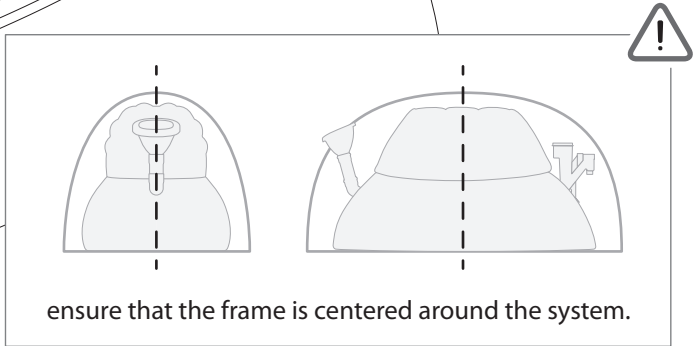
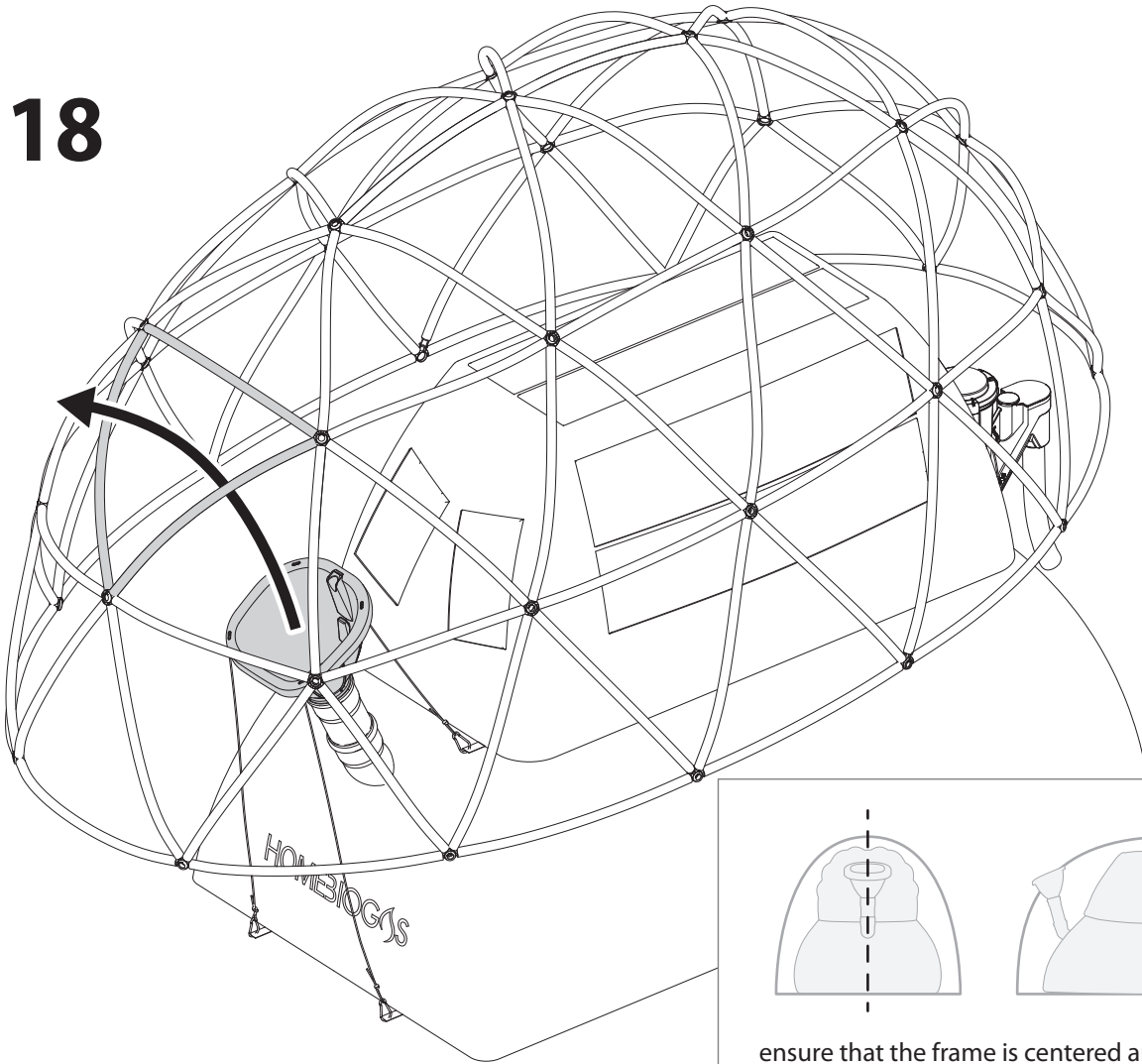
16



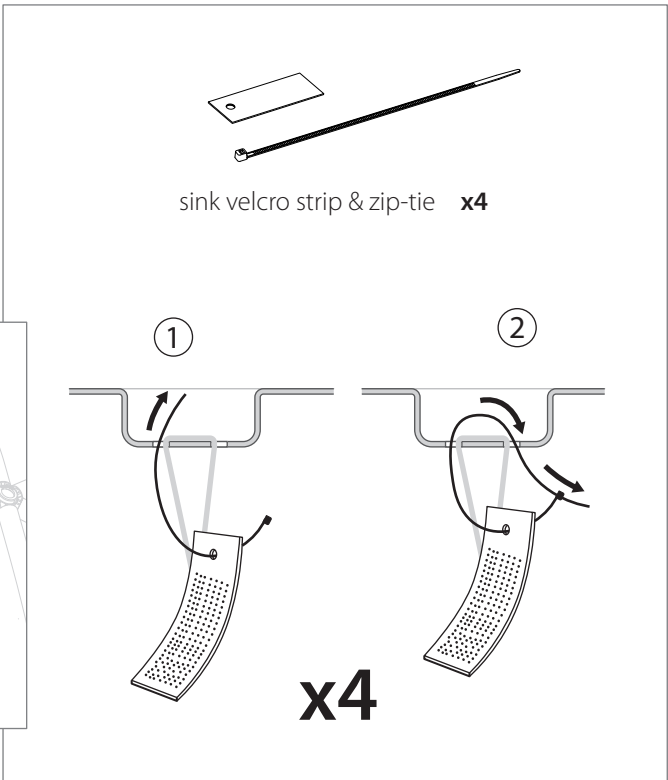
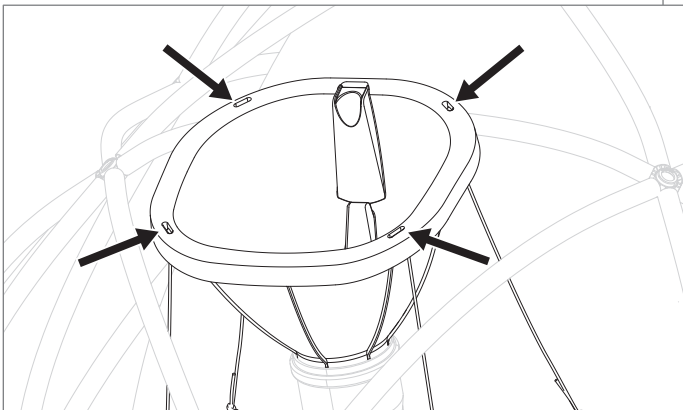
17



18

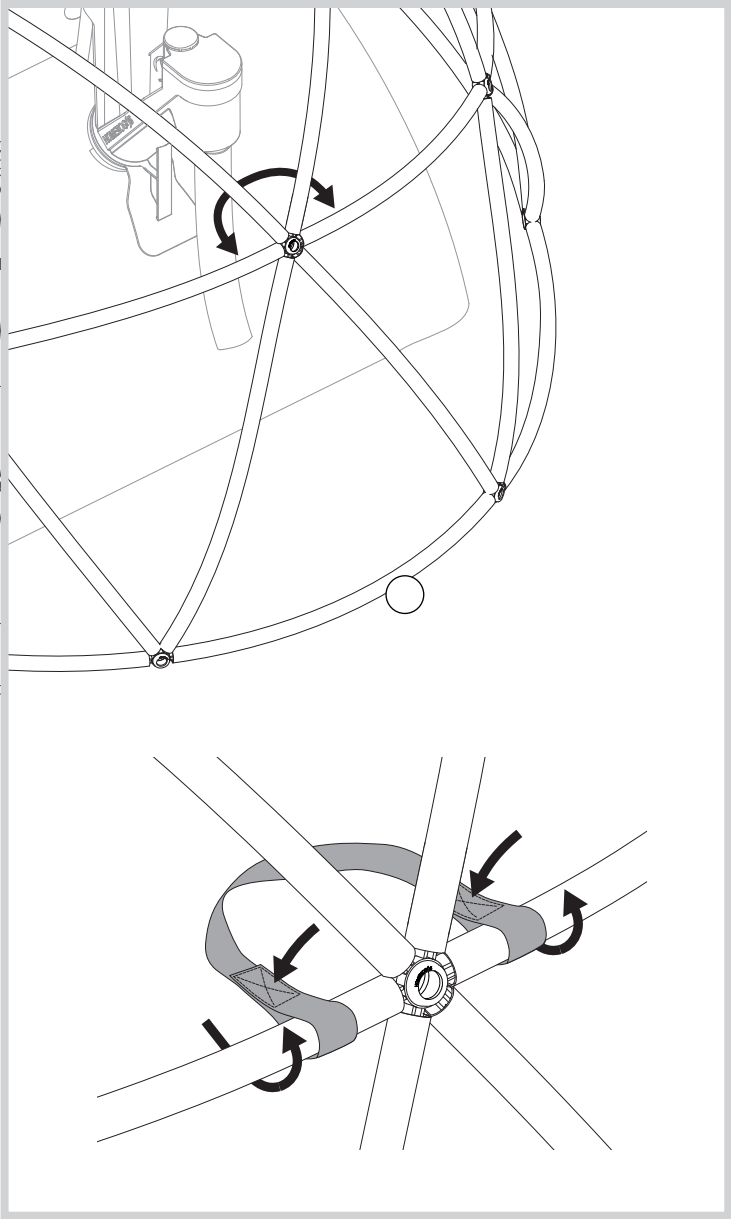
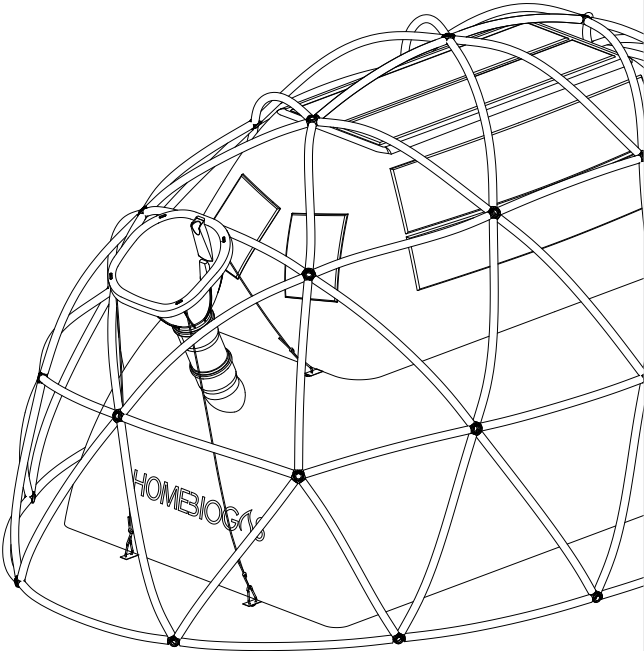


19

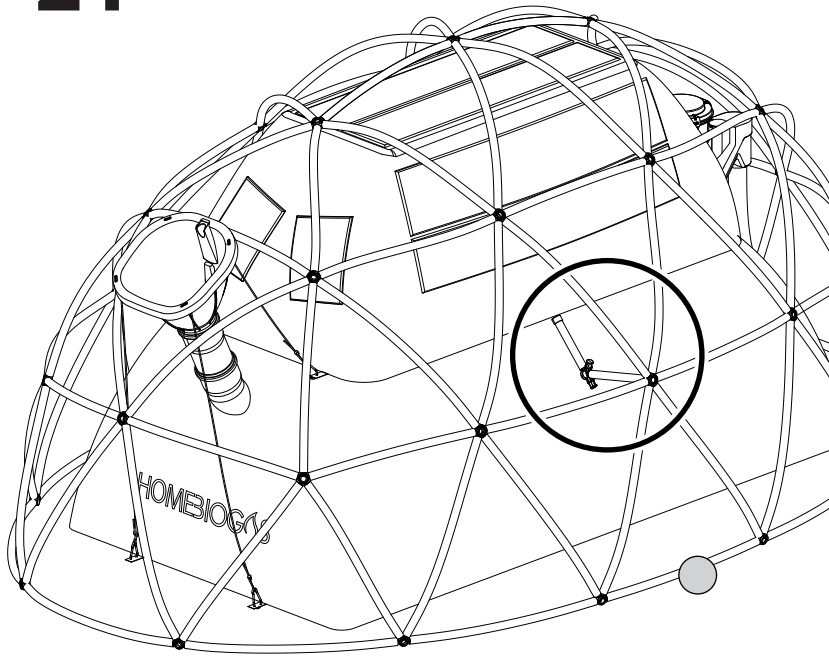




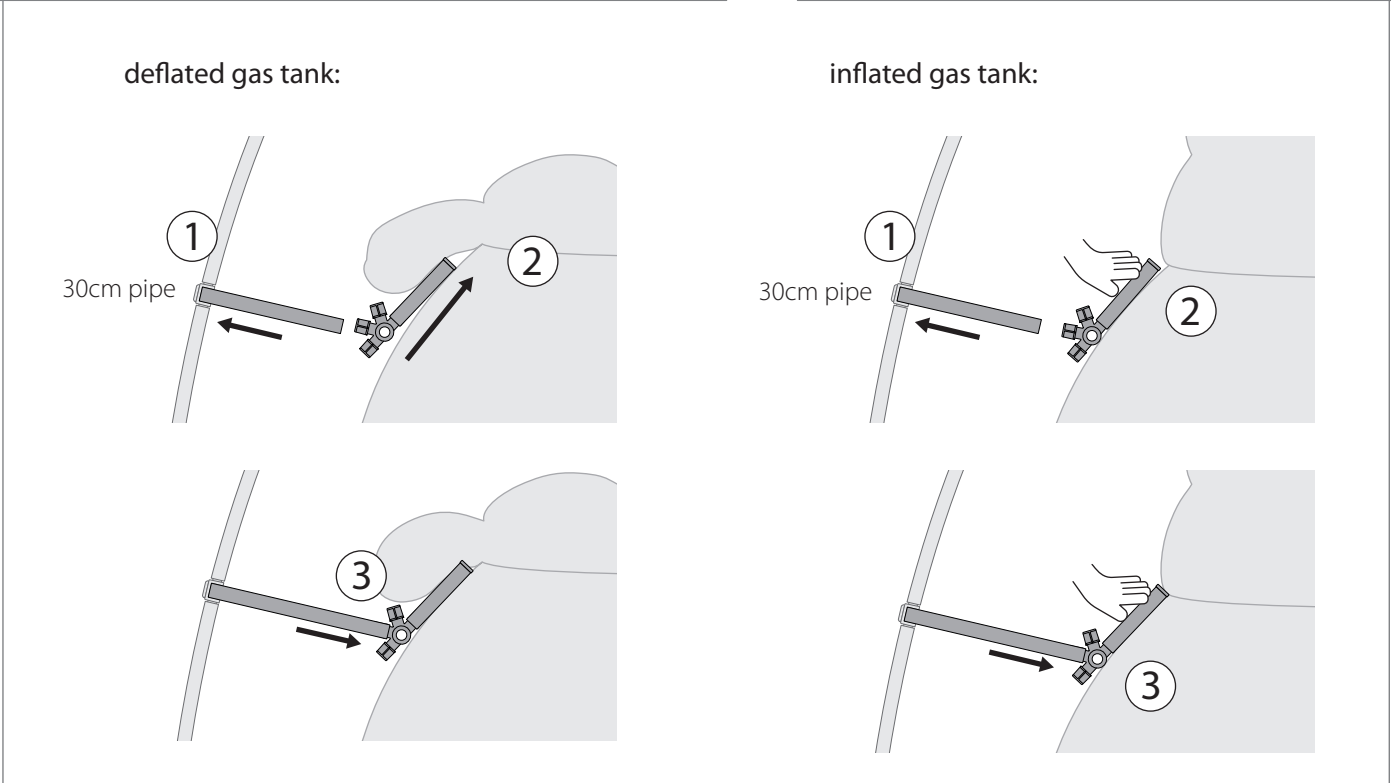
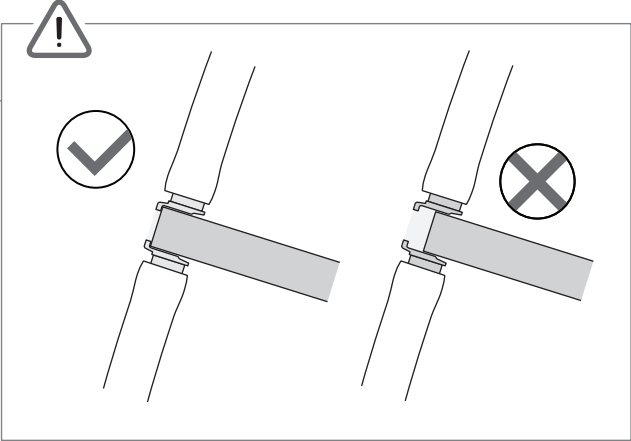
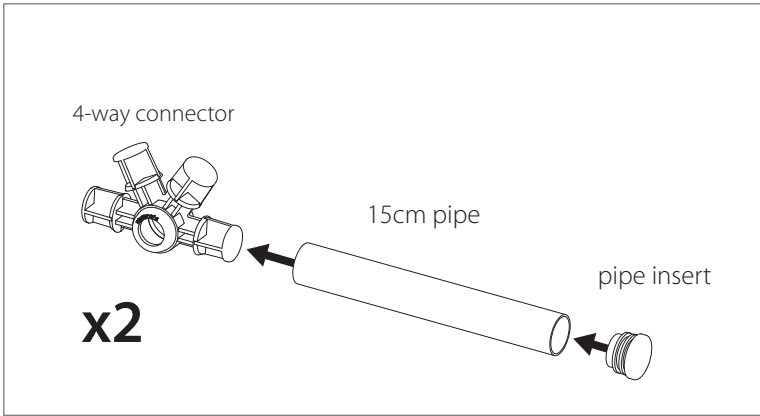
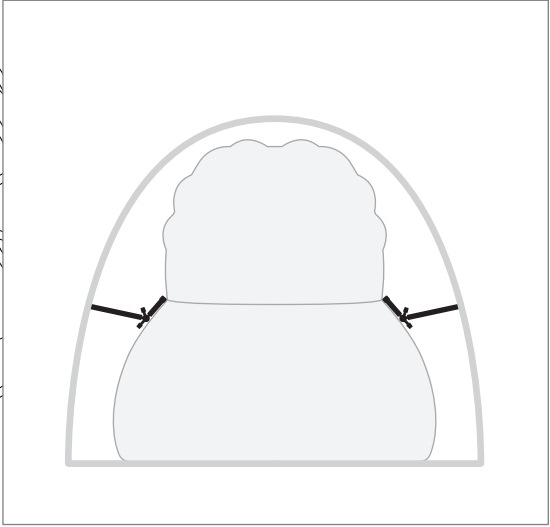
fertilizer pipe support strap



21

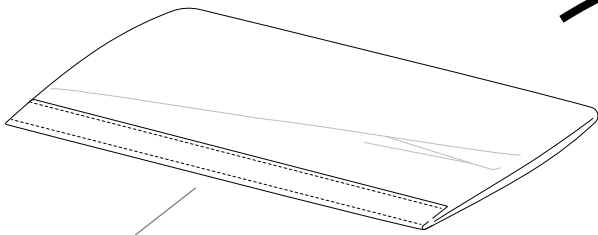


i Side braces help to secure the Thermo-Shield in place even in extreme weather conditions

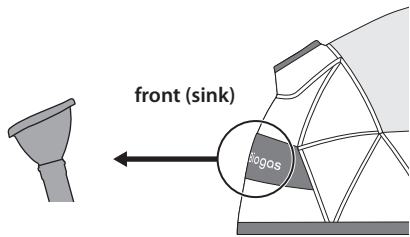
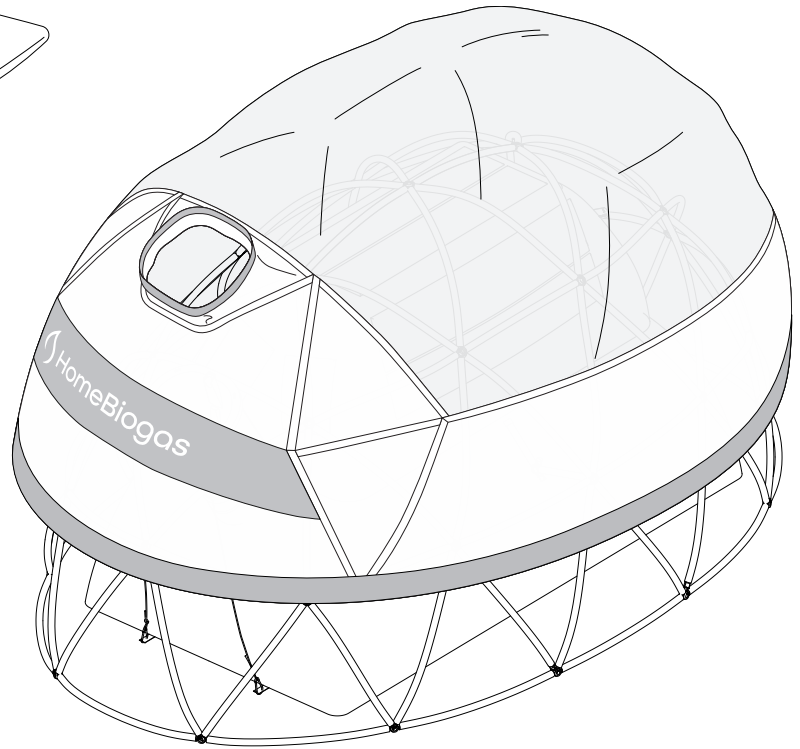


22

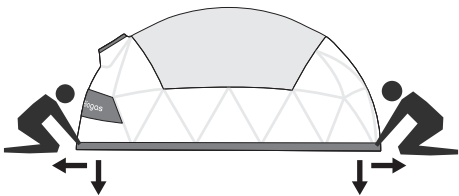
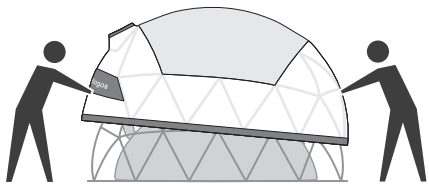
Thermo-Shield Cover



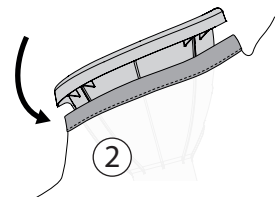
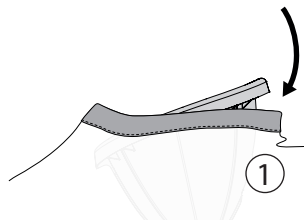
i remove paper liners from cover



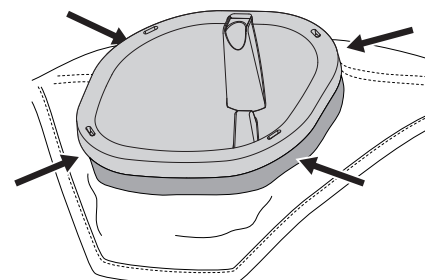
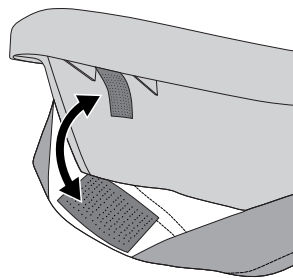
front (sink)

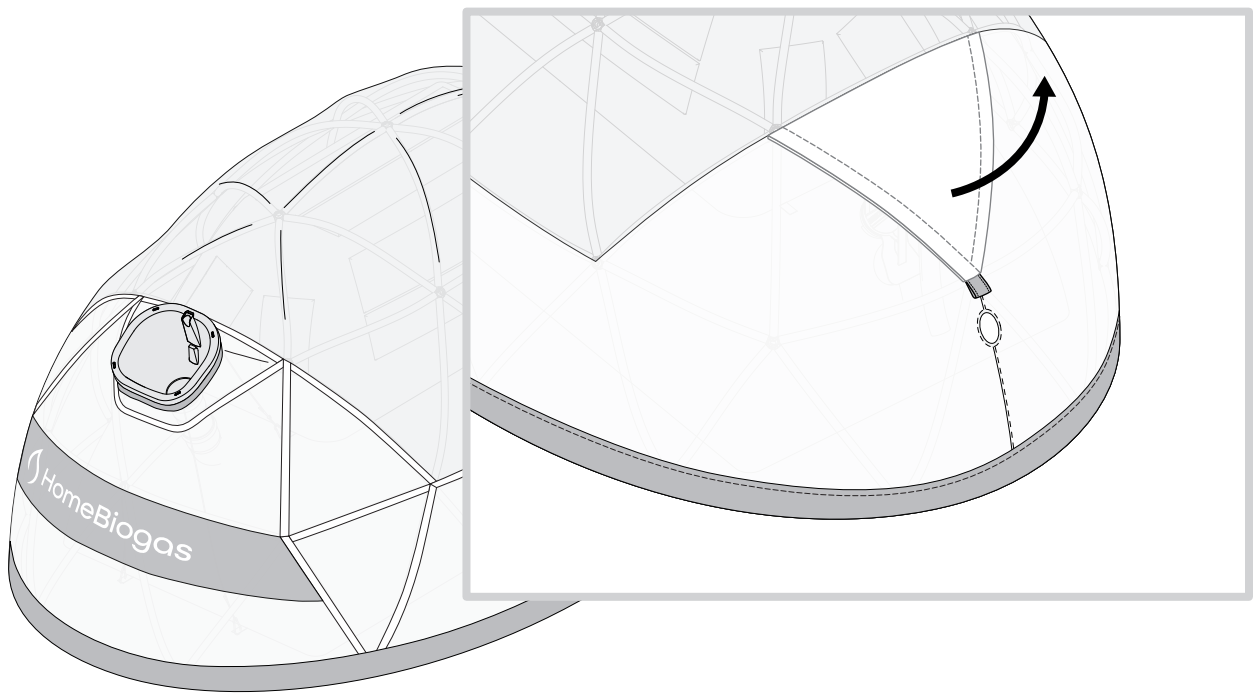


23

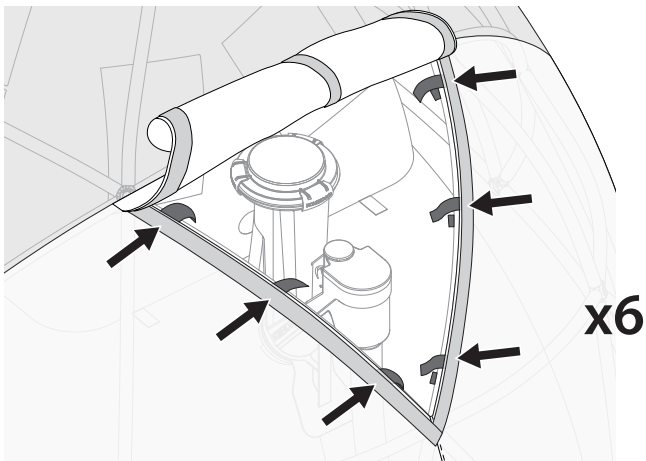


x4

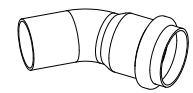
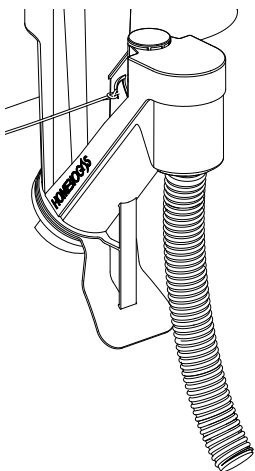




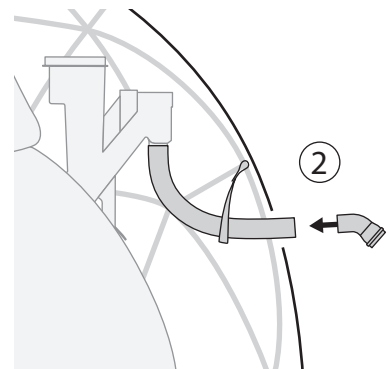
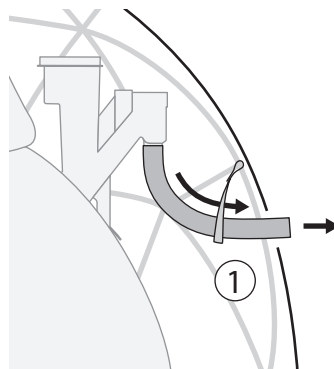
24



25

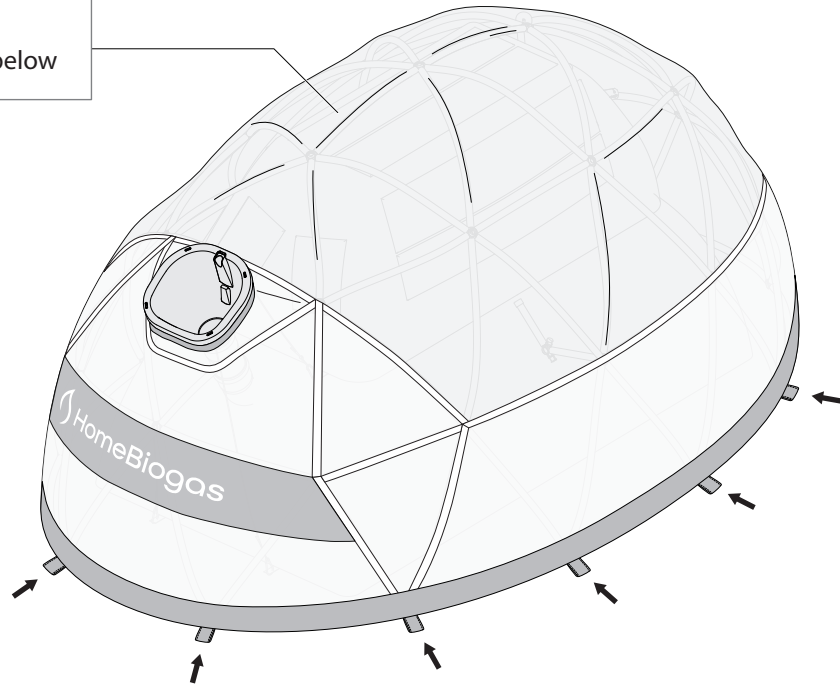


fertilizer pipe elbow

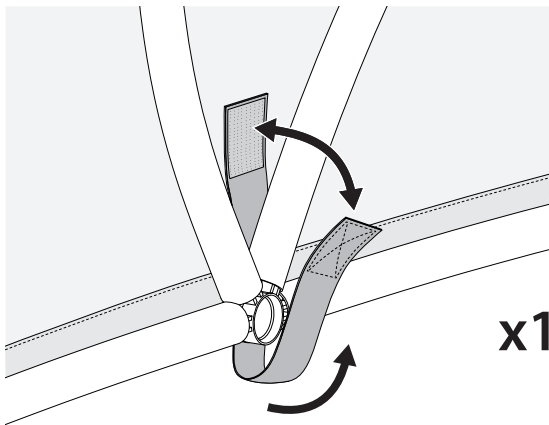




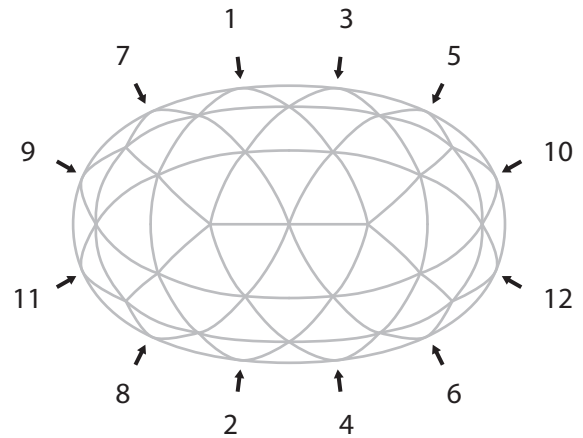
ensure cover seams are aligned with the frame below



26



x12



i pull hard before fastening velcro - straps should be tight

27

cover peg **x6**

