



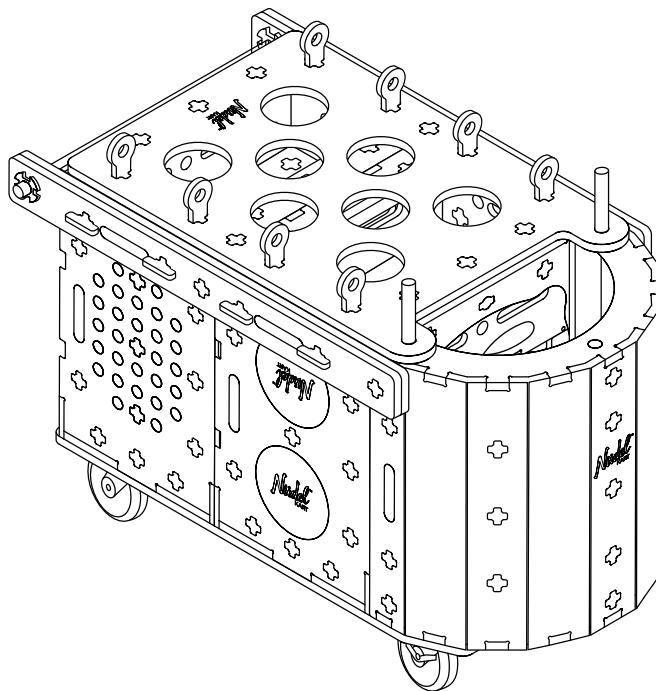
GOOD
DESIGN
AWARD®
WINNER



GOOD
DESIGN
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GOLD WINNER

CONSTRUCTION MANUAL

Adult Assembly required



This product complies with:
INTERNATIONAL SAFETY STANDARDS (ASTM F963, EN71)

✓USA ✓EUROPE ✓AUSTRALIA

Designed in accordance with:
INTERNATIONAL TOY & PLAYGROUND SAFETY STANDARDS
(AS4685, ISO 8124, ASTM F1487-17)

Important Information

Full safety information is contained within the Supervisor's Manual. Before building, using, or leading a class you are required to review the Supervisor's Manual for relevant guidance regarding safe usage and oversight of the Nüdel Kart.

Warning: This product can cause injury if not used safely. Supervise children at all times with people who are appropriately qualified to work with children

For the purpose of this document, and anytime we refer to a "Supervisor", we mean anyone that is trained and authorised to work with children. They may also be referred to as a teacher, early childhood educator, playworker, or facilitator.

Before you get started

We have pulled together some additional resources for you. Please read through the below information carefully to ensure your Kart is built to the highest quality.

- / The boxes range from 18 - 20kg, so you may want more than one person assisting you if the boxes need to be moved post delivery.
- / You will need a large flat space, like a garage or carport, to lay out all of the kart pieces for construction.
- / We recommend using a sheet or other soft material on hard surfaces before you lay out the pieces, to stop them getting scratched or damaged before the kids get stuck into it!
- / Please refer to and use this Construction Manual. There are some tricky parts and some things to watch out for, even if you are competent with an impact driver.
- / Please watch the following videos at www.nudelkart.com/nudel-kart-owners:
 - Nüdel Kart screwing tips
 - Nüdel Kart construction tips.

Before assembling any component, run your hands along the edges of each component to ensure that it is free from sharp edges, splinters, or cracks that may have appeared during shipping or unboxing. If you find sharp edges, splinters or cracks, these can be repaired with the supplied maintenance pack. Damaged parts must be discarded, repaired or replaced before assembly. Failure to properly inspect and repair may result in serious injury.

- / Adult assembly required.
- / Nüdel Kart has been designed for children aged 3-12 years. It is not suitable for children under 3 years of age and children under the age of 3 should not be permitted to engage in play with the Nüdel Kart.
- / Take into consideration the maximum number of users (30).
- / Take into consideration the maximum weight restrictions (100kg unless marked).
- / The Nüdel Kart can be used indoors or outdoors in dry conditions.
- / Use on a flat ground, clear of obstructions.
- / Always supervise children and assess risk (Refer to Section 15 of the Supervisor Manual and go to the website here: www.nudelkart.com/nk-risk-benefit-assessment for more information on Risk Benefit Assessment and access to our template.)
- / Wipe the Nüdel Kart clean after each use.
- / Active use of the Nüdel Kart must always be supported by the presence of a Supervisor experienced with leading sessions with children. Always defer to their expertise to advise regarding unsafe situations.
- / Serious injury may result as a consequence of not following this information.
- / Please keep these instructions for future reference.

The Nüdel Kart is designed to create a challenging environment for groups of children and is reconfigurable in many different ways. Some of those configurations may not be appropriate for a child's skill level and the environment that the Nüdel Kart is used in. At all times Supervisor discretion is to be used to assess if a child is safe or if additional support or intervention is required.

Damaged parts must be discarded, repaired or replaced before reuse. Failure to properly inspect and repair may result in serious injury. Included in your maintenance kit are some simple items to repair your kart. There are two drill bits, two driver bits, one allen Key and a black marker, sandpaper and super glue, if any parts feel loose or need strengthening from some overly vigorous box jumping adventure.

Your kart comes pre-oiled with a water resistant, natural, non toxic coating to keep the edges strong. You may notice some wax marks on the surface, this is beeswax and will come off over time. If the kart experiences excessive humidity or moisture, the edges may need to be re-oiled.

Please contact us at nudel@playgroundideas.org to purchase additional oil to keep it in great condition for years to come.

You can also restock with Nüdel Kart spare parts. Contact us at nudel@playgroundideas.org.

The Nüdel Kart is made from certified plywood and treated with a beeswax oil that makes it water resistant. However it should not be left outside overnight and should not be used in the wet.

Before and after play, inspect all parts for signs of visible damage or wear and tear that indicates a broken or weakened part. Damaged parts must be discarded, repaired or replaced.

We recommend that Supervisors do a general inspection of the kart as it's being unpacked and packed up but a per piece inspection should occur after every 10 uses.

Take care when using Nüdel Kart with other equipment or with objects other than those supplied – assessment of additional risk is essential. Go to the website at www.nudelkart.com/nk-risk-benefit-assessment.

If something happens to your copy of the construction manual, you can also find it here www.nudelkart.com/nudel-kart-owners.

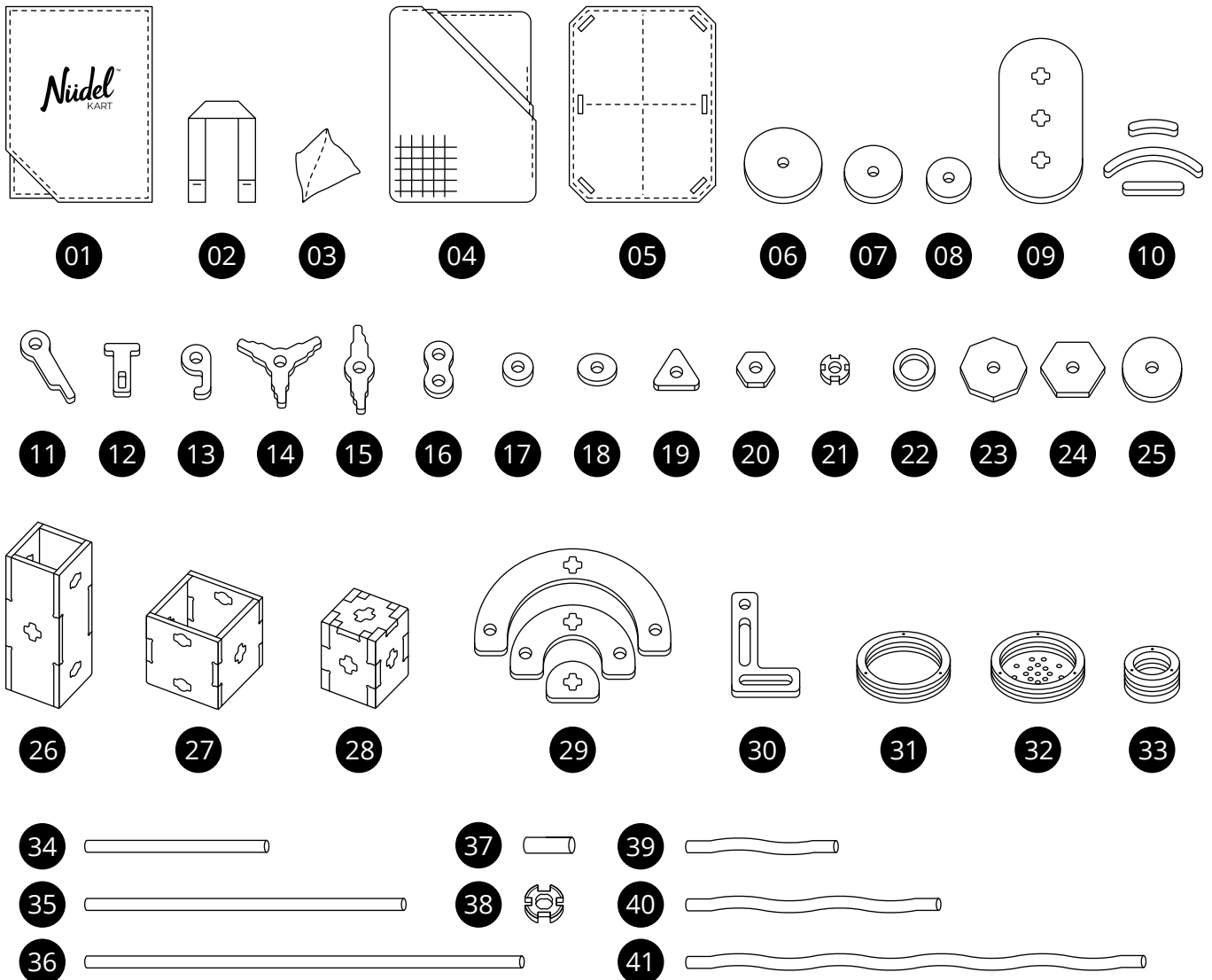
Once you have completed construction of the Nüdel Kart, you can pack it up using the pack up manual. You have a copy but you can also find it here: www.nudelkart.com/nudel-kart-owners.

Please make sure you keep all the manuals and any spare screws etc once you have finished constructing the kart.

We would love it if you could film the process or take pictures of you constructing the kart. It would be great to share your journey with other Nüdelers. We have a group called "Nüdel Kart Builders" on our Facebook page.

Good luck and don't hesitate to call or email us with any questions or queries. We appreciate all feedback and would love to hear about your experience constructing the kart: nudel@playgroundideas.org

Play Pieces








01. Kart Cover x 1
 02. Strap x 25
 03. Bean Bag x 12
 04. Netting Material x 8
 05. Canvas Sheet x 6
 06. Large Wheel x 4
 07. Medium Wheel x 11
 08. Small Wheel x 8
 09. Large Oval x 2
 10. Wood Connector x 27
 11. Key Peg x 24
 12. T Peg x 16
 13. #9 Peg x 14
 14. Propeller 3 Point x 8

15. Propeller 2 Point x 8
 16. Glasses x 8
 17. Small Coin x 13
 18. Small Oval x 9
 19. Small Triangle x 5
 20. Small Hexagon x 7
 21. Cog Connector x 8
 22. Ring x 2
 23. Medium Octagon x 2
 24. Medium Hexagon x 2
 25. Medium Oval x 2
 26. Large Tube x 2
 27. Medium Tube x 2
 28. Funnel x 2

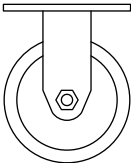
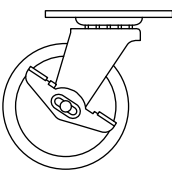


29. Rainbow x 1
 30. L Connector x 4
 31. Bowl x 2
 32. Sieve x 1
 33. Cup x 3
 34. Short Wood Dowel x 8
 35. Medium Wood Dowel x 12
 36. Long Wood Dowel x 10
 37. Connector Tube x 12
 38. Silicone Ring x 24
 39. Short Play Tube x 4
 40. Medium Play Tube x 4
 41. Long Play Tube x 4

Hardware

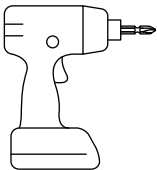
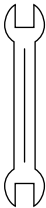
Hardware

<div></div> <div>x 2</div> <div>Phillips Head Driver Bit</div>	<div></div> <div>x 222</div> <div>34mm Wood Screw for 12mm Plywood (10 spare)</div>	<div></div> <div>x 138</div> <div>40mm Wood Screw for 18mm Plywood (10 spare)</div>	<div></div> <div>x 11</div> <div>35mm Screw (2 spare of each)</div>	<div></div> <div>x 11</div> <div>60mm Screw (2 spare of each)</div>
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Kart Wheels

<div></div> <div>x 2</div> <div>Fixed Castor Wheel</div>	<div></div> <div>x 2</div> <div>Swivel Castor Wheel with Brake</div>	<div></div> <div>x 18</div> <div>Bolt, Washer, Locknut (2 spare of each)</div>	<div></div> <div>x 1</div> <div>6mm Allen Key</div>
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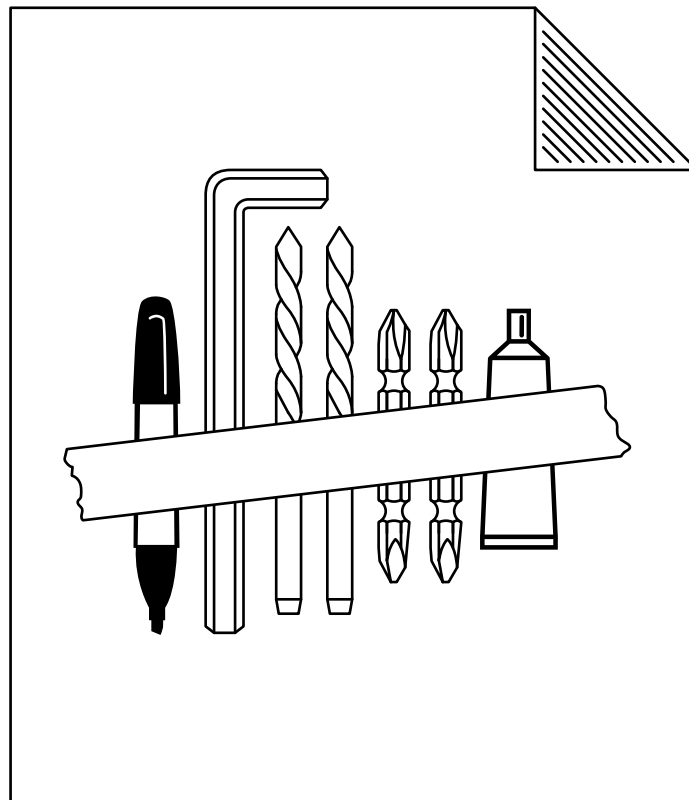
You Need

<div></div> <div>Impact Driver</div>	<div></div> <div>Spanner</div>
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Construction & Maintenance Kit

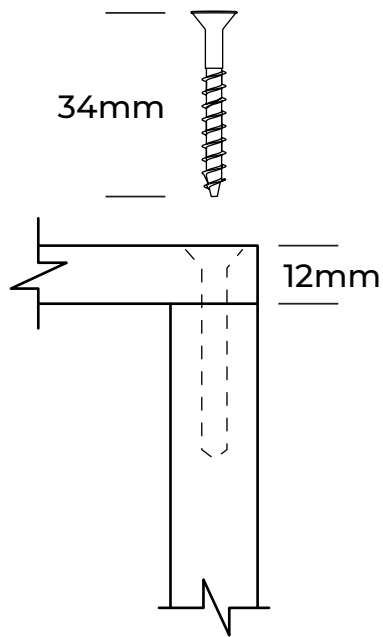
Your Nüdel Kart comes with the following for continued kart maintenance over time:

- 2 Drill Bits (If you ever need to replace a screw)
- 2 Driver Bits (If you ever need to tighten a screw)
- 1 Allen Key (If you ever need to tighten a castor wheel)
- Black Marker (If you ever need to conceal a surface chip)
- Sandpaper (If you ever need to smooth a rough spot)
- Super Glue (If you ever need to fix a crack)

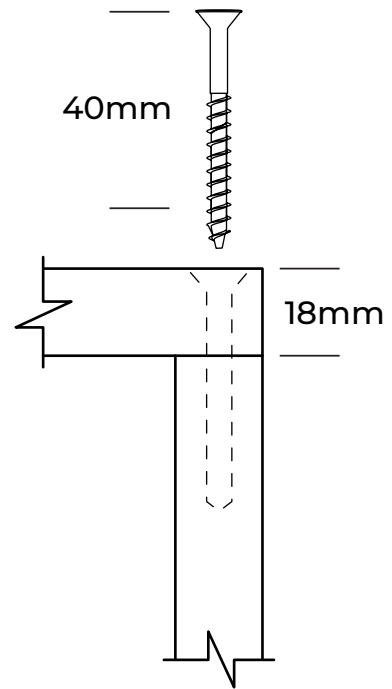


Important! Please Note

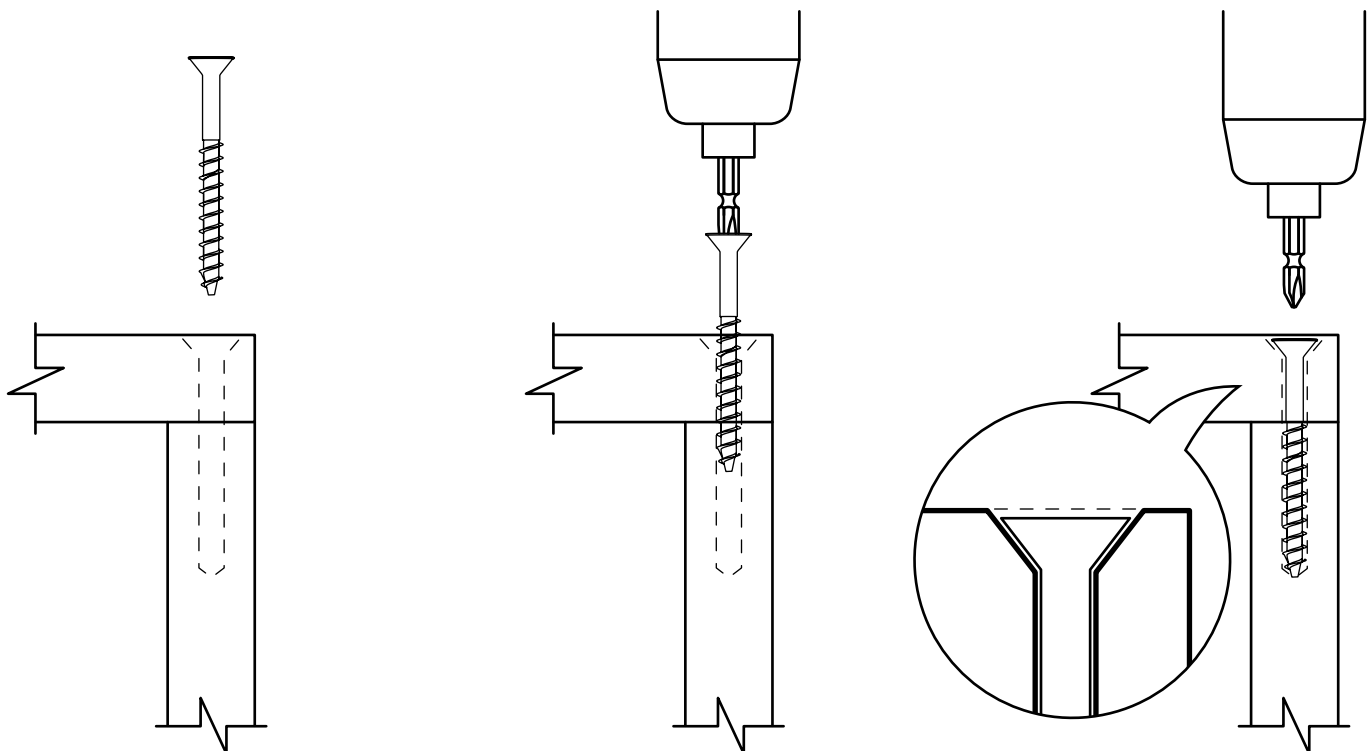
Use 34mm Wood Screw
for 12mm plywood



Use 40mm Wood Screw
for 18mm plywood



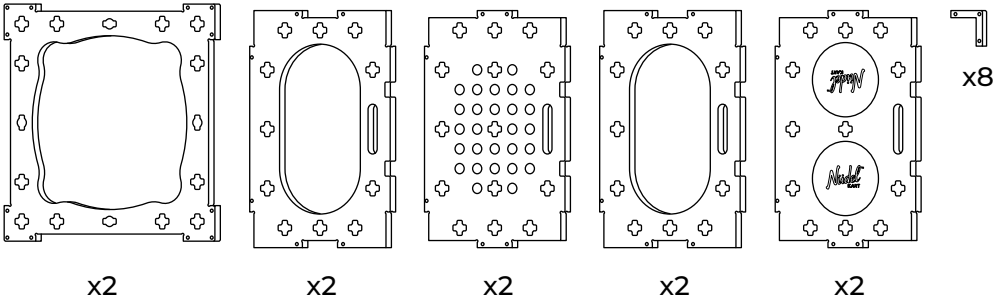
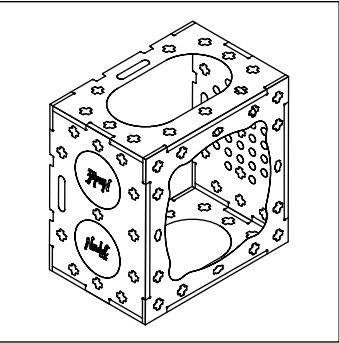
Ensure ALL screw heads sit just below surface



Parts for Construction

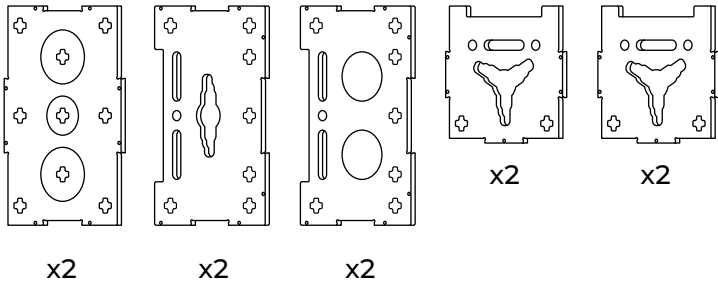
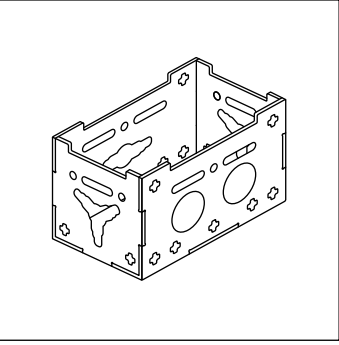
01. Big Box x2

In boxes: ①-②-③-④-⑤-⑥-⑦



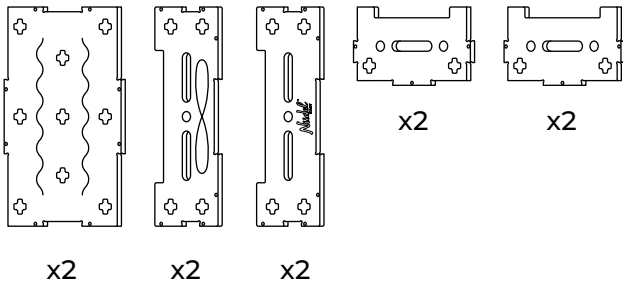
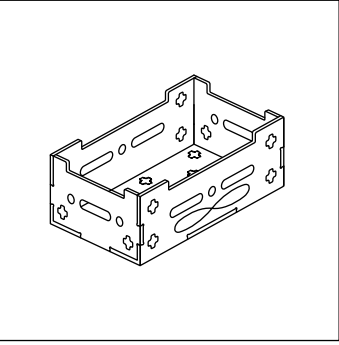
02. Large Drawer x2

In boxes: ①-②-③-④-⑤-⑥-⑦



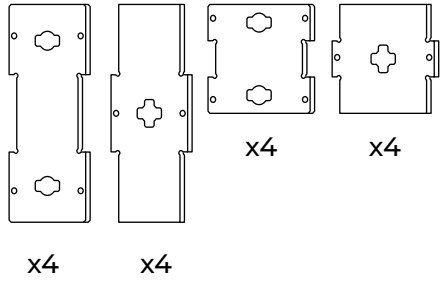
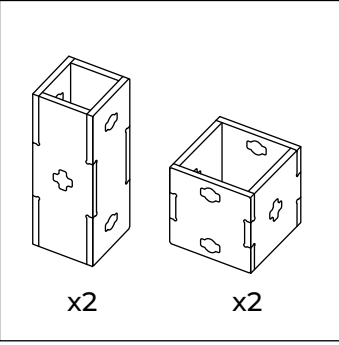
03. Small Drawer x2

In boxes: ①-②-③-④-⑤-⑥-⑦

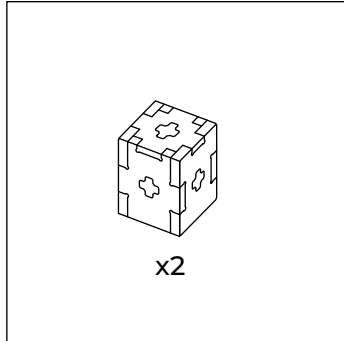


04. Tubes x4

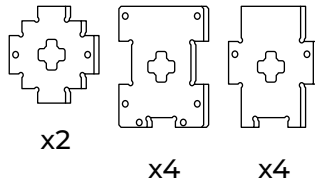
In boxes: ①-②-③-④-⑤-⑥-⑦



05. Funnels x2

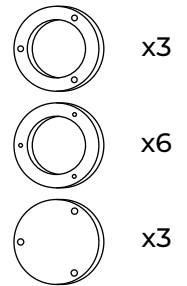
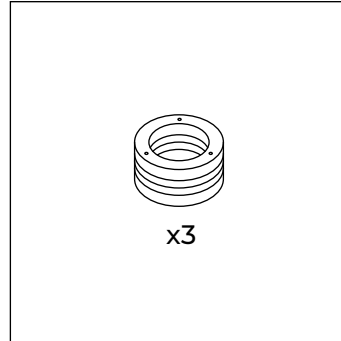


In boxes: ①-②-③-④-⑤-⑥-⑦



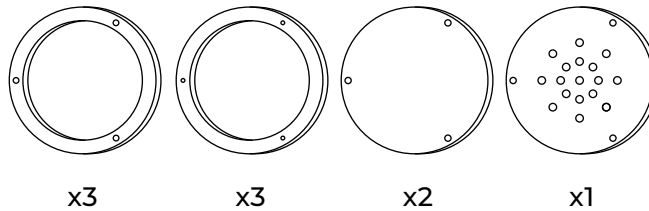
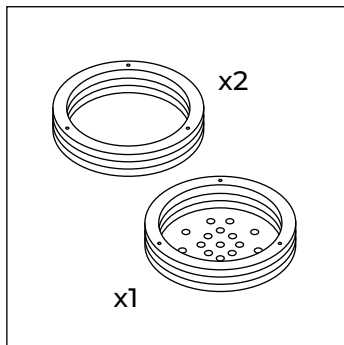
06. Cups x3

In box: ①-②-③-④-⑤-⑥-⑦



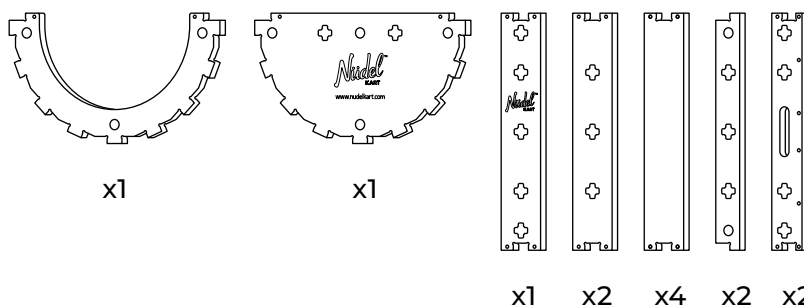
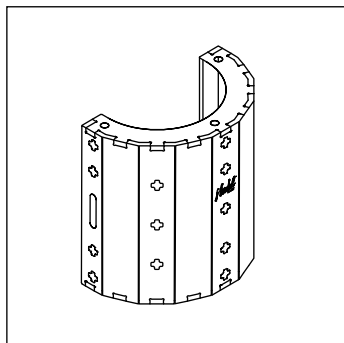
07. Bowls & Sieve x3

In boxes: ①-②-③-④-⑤-⑥-⑦



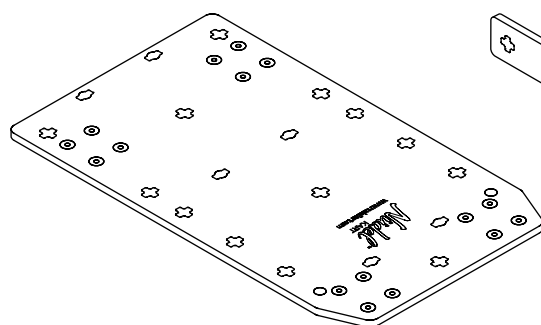
08. Wobble x1

In box: ①-②-③-④-⑤-⑥-⑦



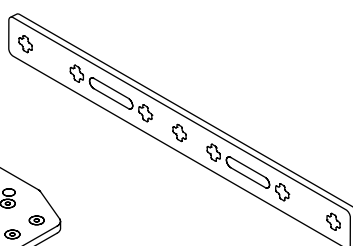
09. Base Board x1

In box: ①-②-③-④-⑤-⑥-⑦



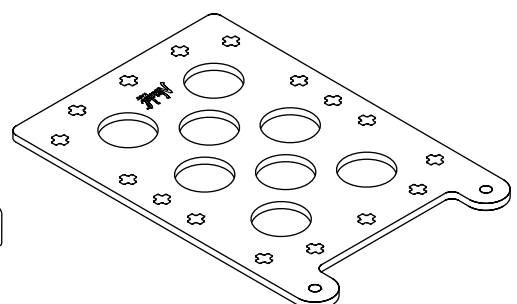
Arms x4

In box: ①-②-③-④-⑤-⑥-⑦



Holey Moley x1

In box: ①-②-③-④-⑤-⑥-⑦



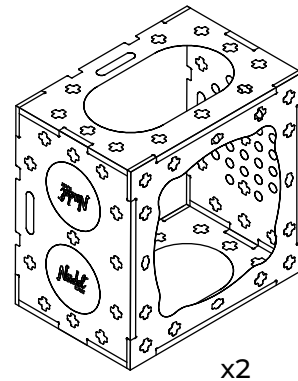
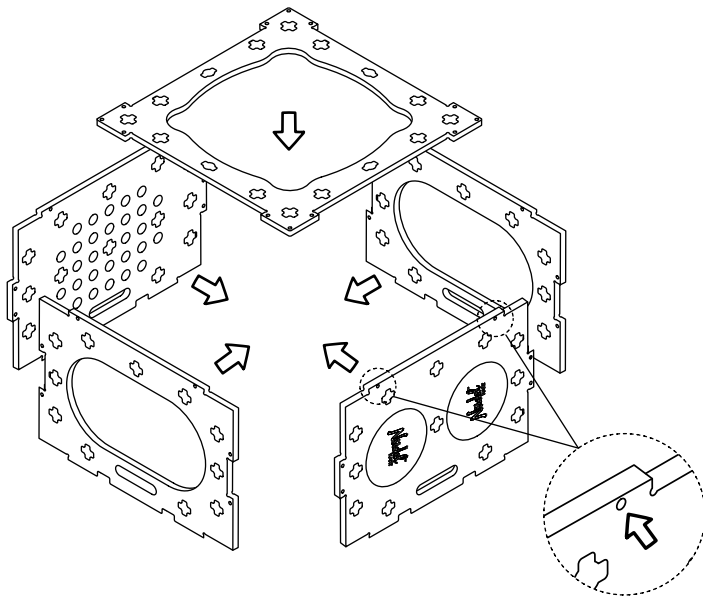
01. Big Box x2

In boxes: ①-②-③-④-⑤-⑥-⑦

IMPORTANT!

The Nüdel Kart contains a thicker 18mm plywood and a thinner 12mm plywood. Use the longer timber screws when screwing into 18mm plywood and the shorter screws for the 12mm plywood.

a.

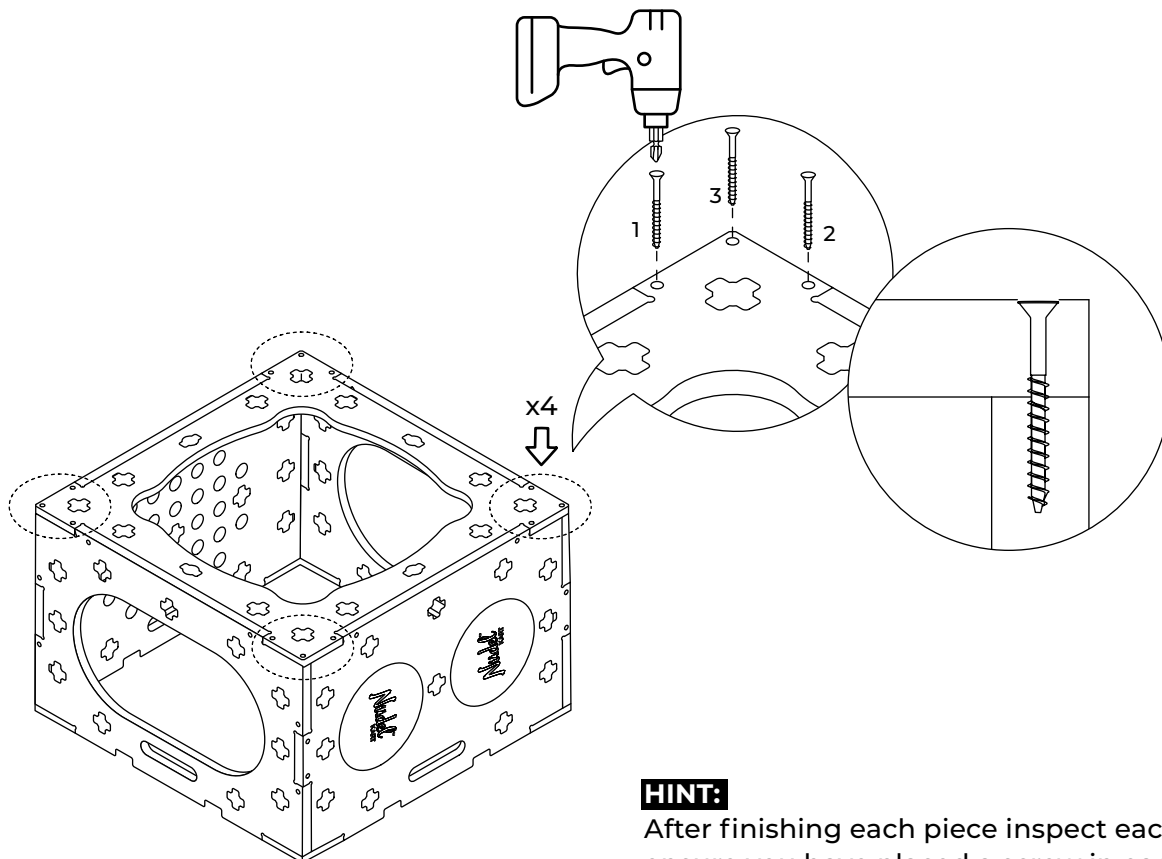


x2

IMPORTANT!

Use 40mm
Wood Screw

b.



x4

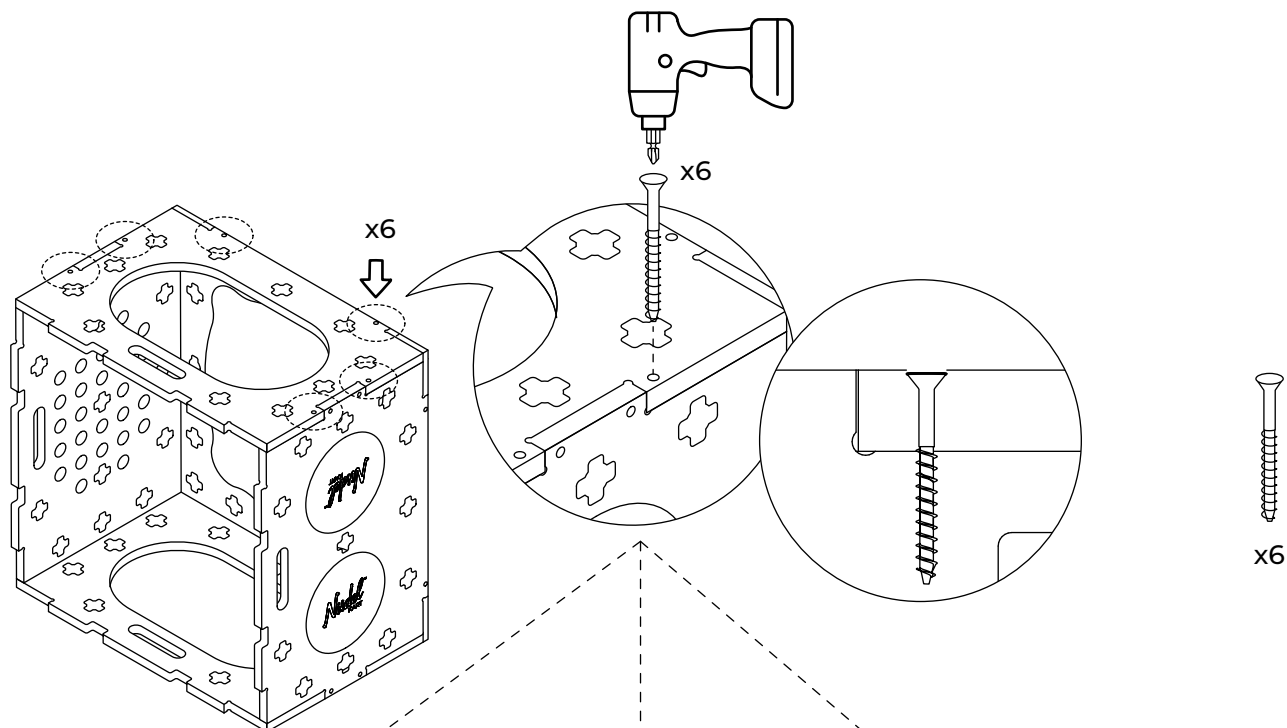


x12

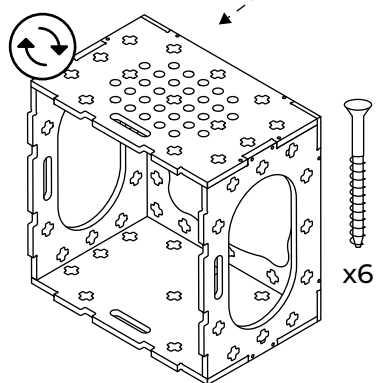
HINT:

After finishing each piece inspect each side to ensure you have placed a screw in each hole and run your hands over screw head to ensure it is just below the surface with no sharp edges.

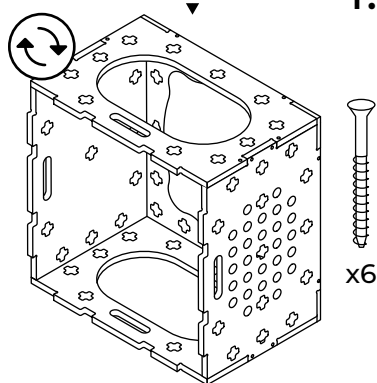
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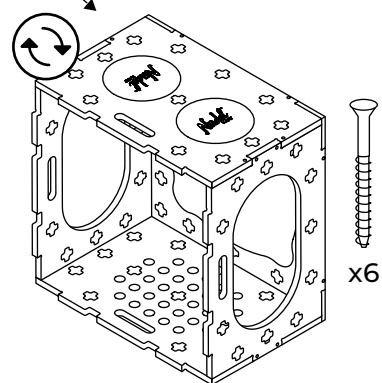
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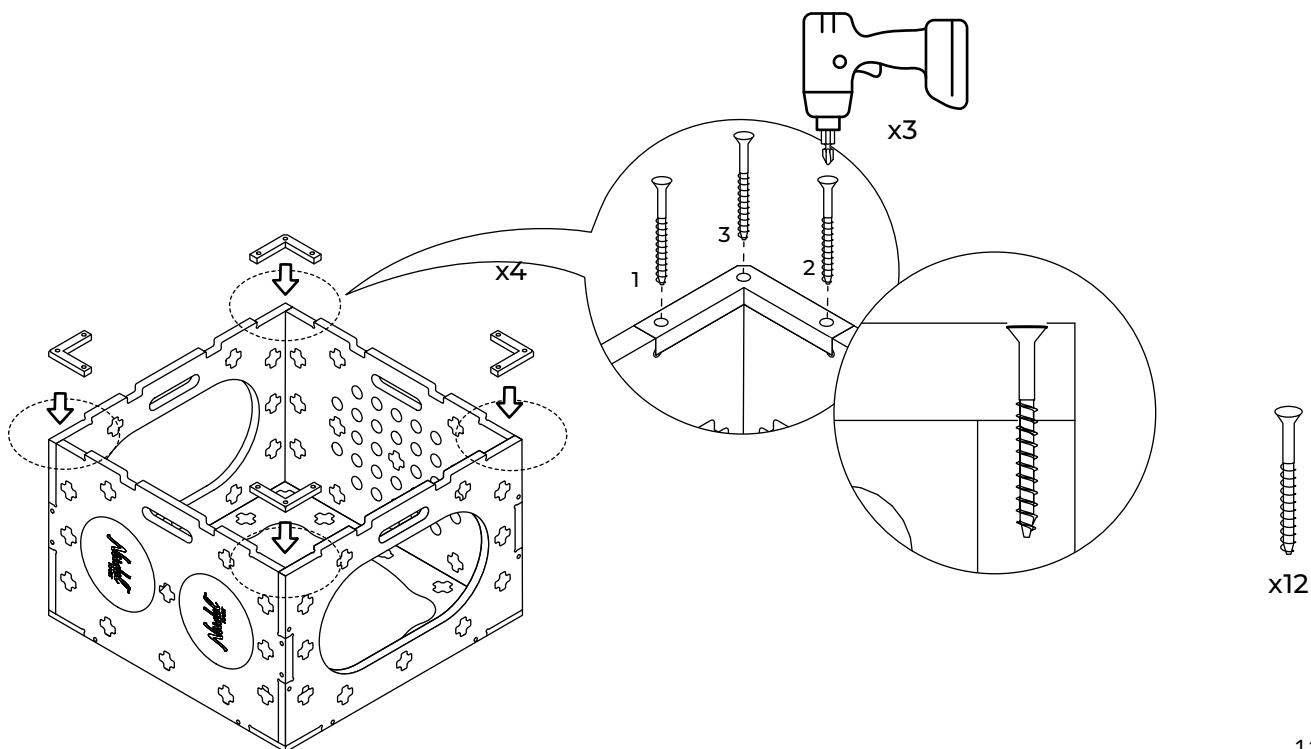
e.



f.



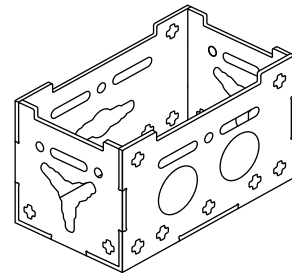
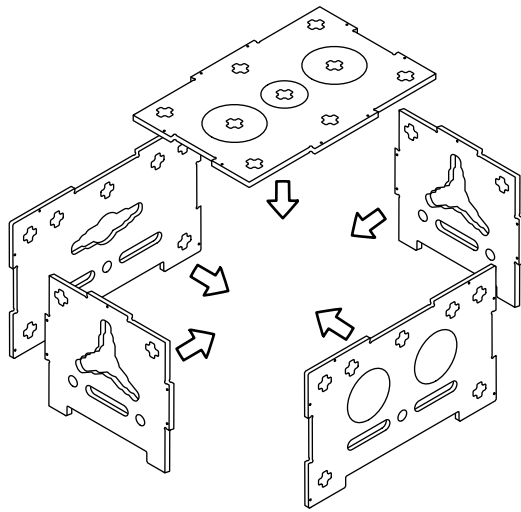
g.



02. Large Drawer x2

In boxes: ①-②-③-④-⑤-⑥-⑦

a.



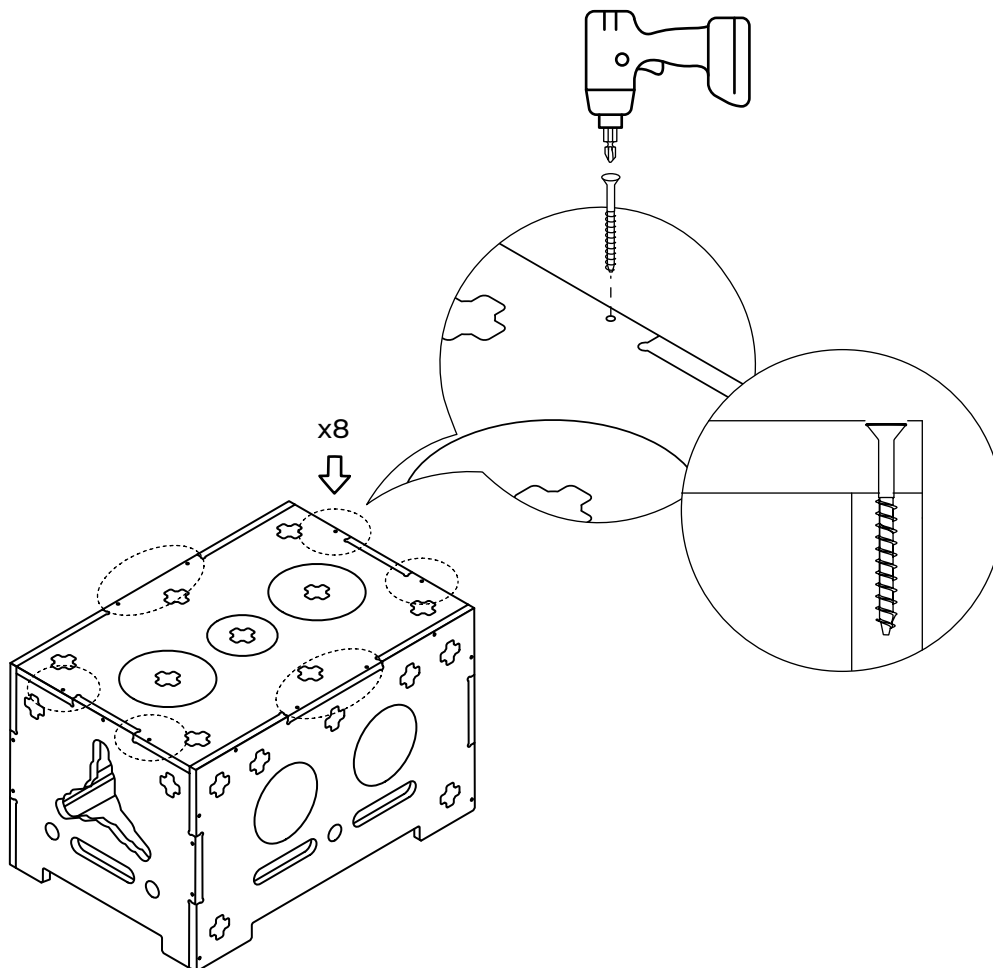
x2



IMPORTANT!

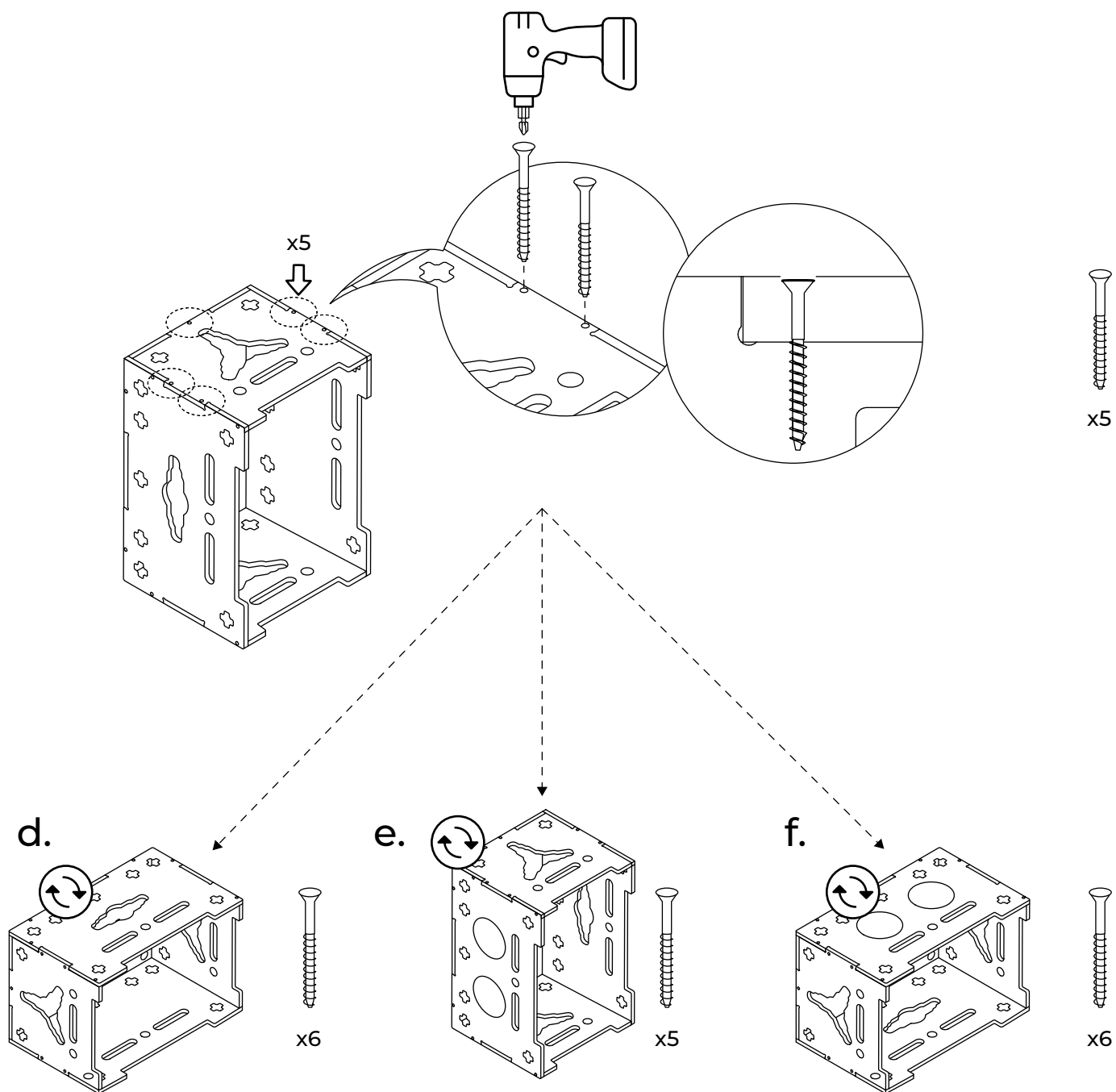
Use 34mm
Wood Screw

b.



x8

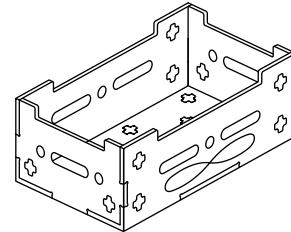
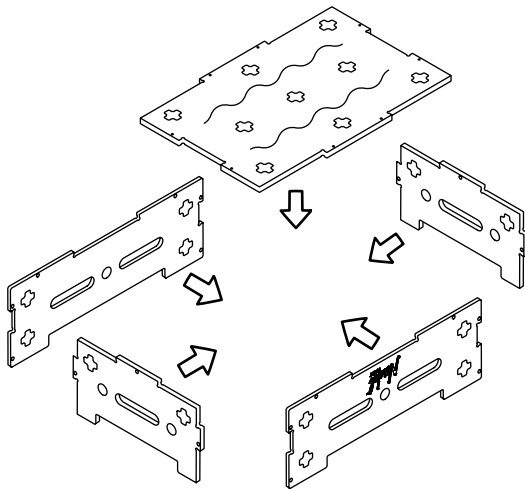
C.



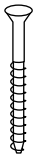
03. Small Drawer x2

In boxes: ①-②-③-④-⑤-⑥-⑦

a.



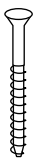
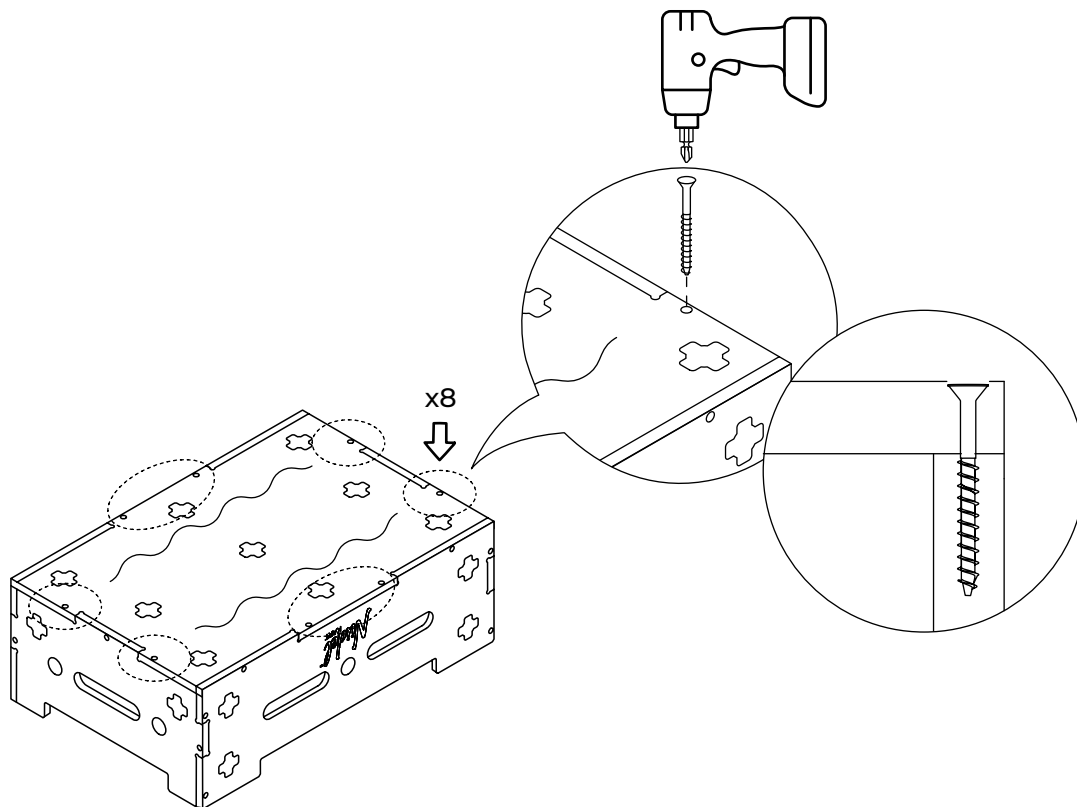
x2



IMPORTANT!

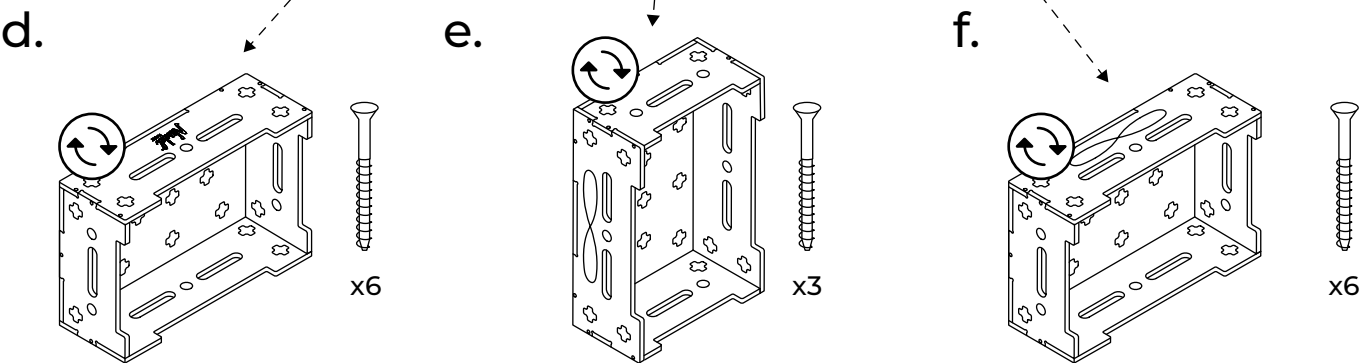
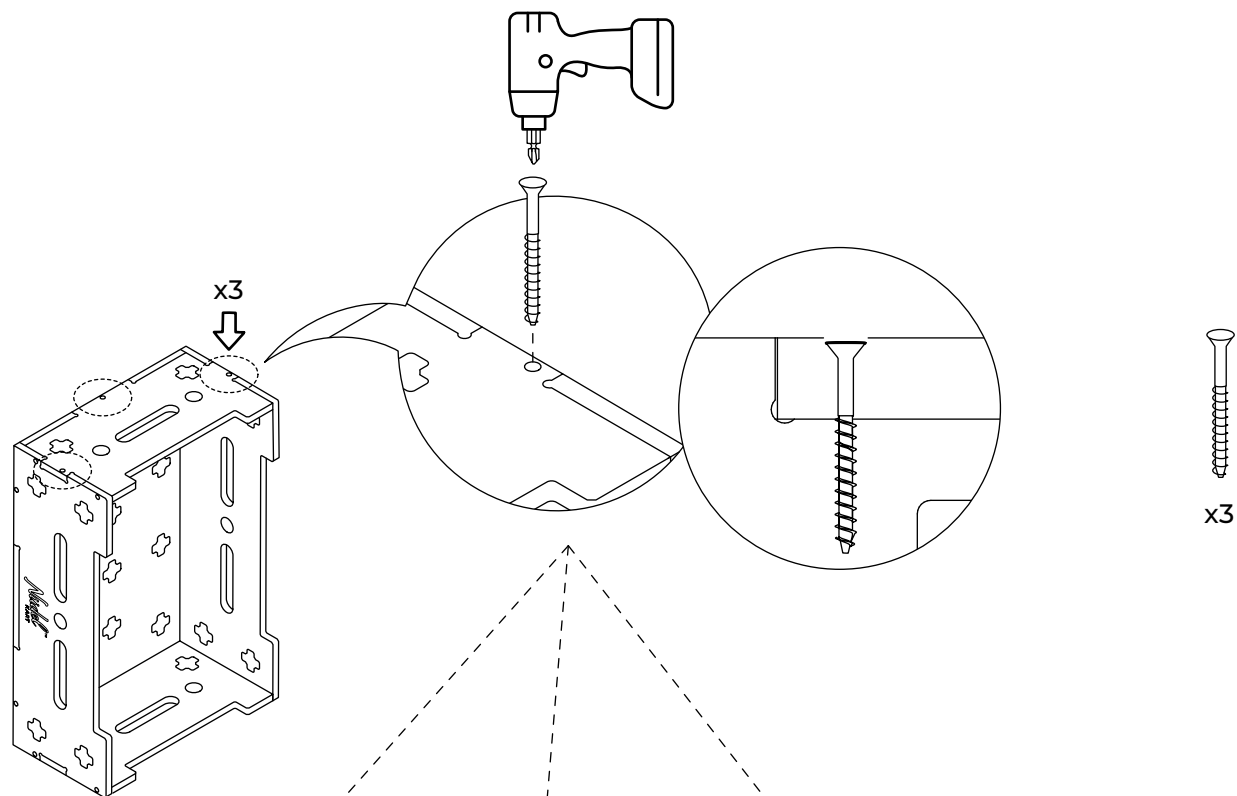
Use 34mm
Wood Screw

b.



x8

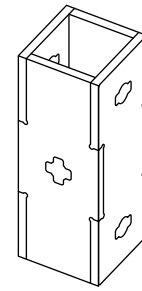
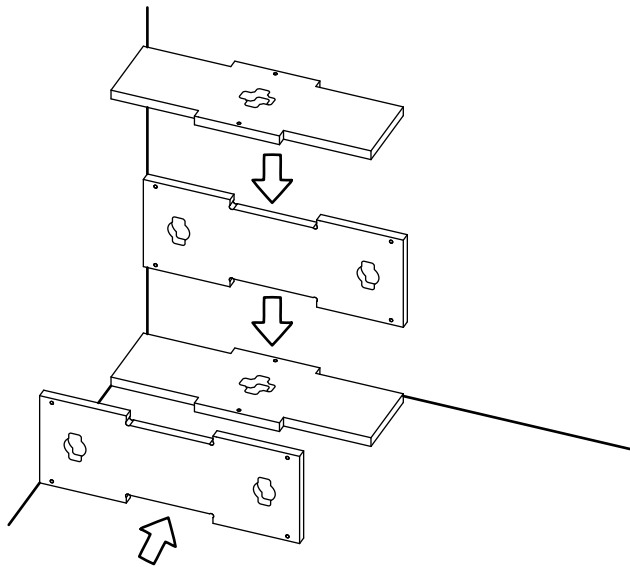
c.



04. Tubes x4

In boxes: ①-②-③-④-⑤-⑥-⑦

a.

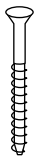
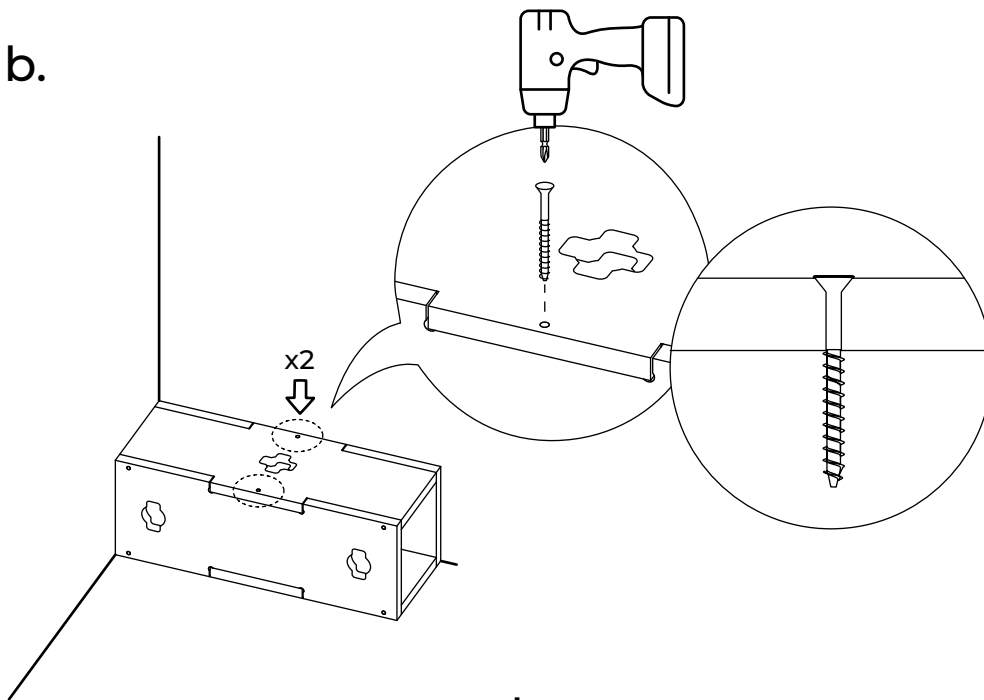


x2



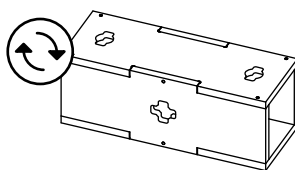
IMPORTANT!
Use 34mm
Wood Screw

b.



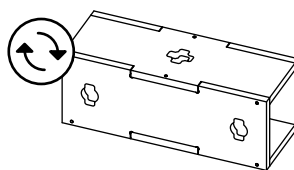
x2

c.



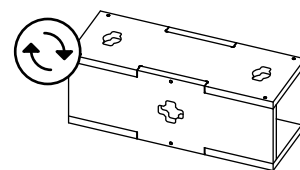
x4

d.



x2

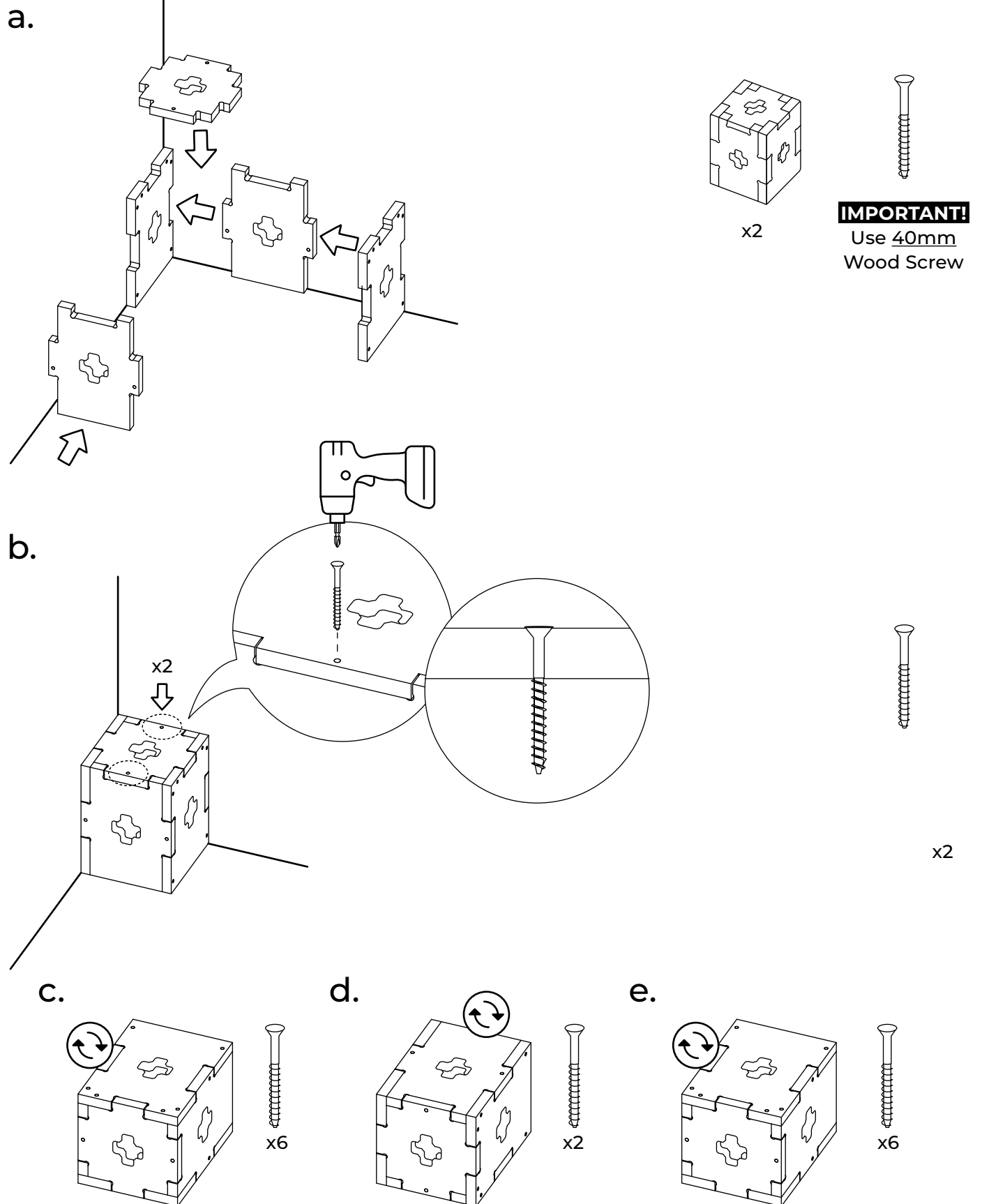
e.



x4

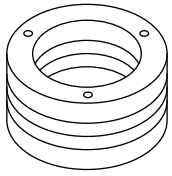
05. Funnels x2

In boxes: ①-②-③-④-⑤-⑥-⑦



06. Cups x3

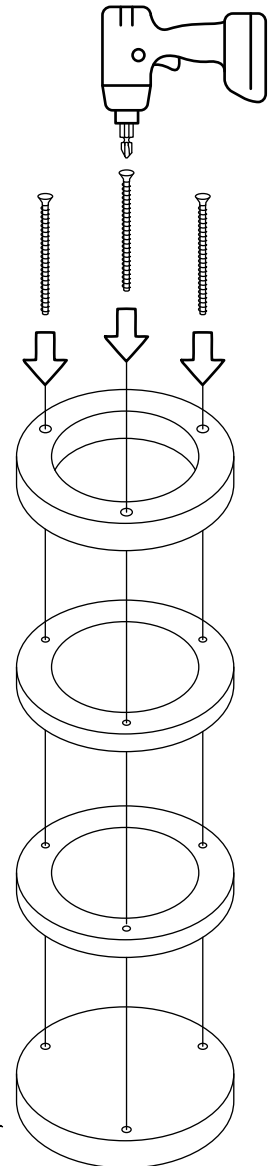
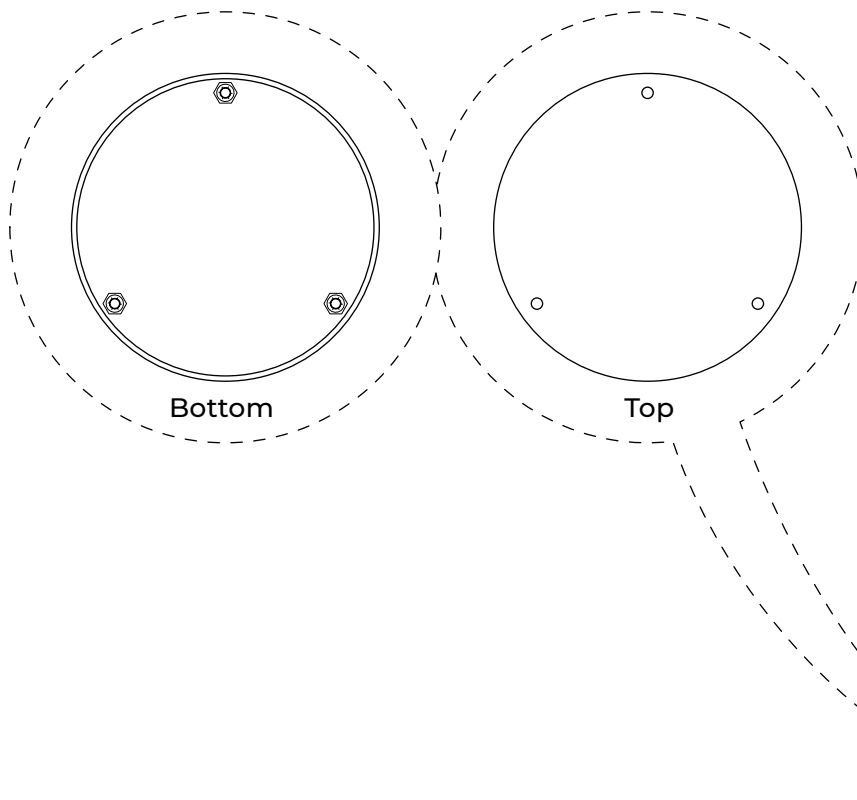
In box: ❶ ❷ ❸ ❹ ❺ ❻ ❼



x3

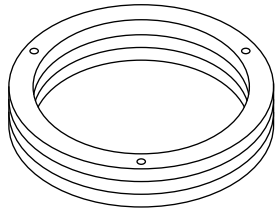


x9 60mm Screw

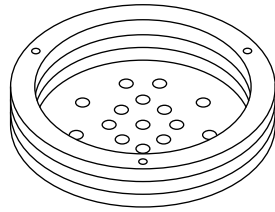


07. Bowls & Sieve x3

In boxes: ①-②-③-④-⑤-⑥-⑦



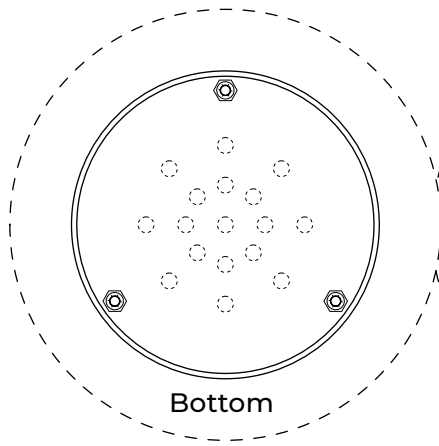
x2



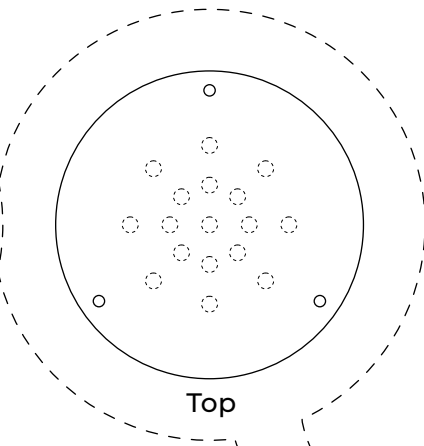
x1



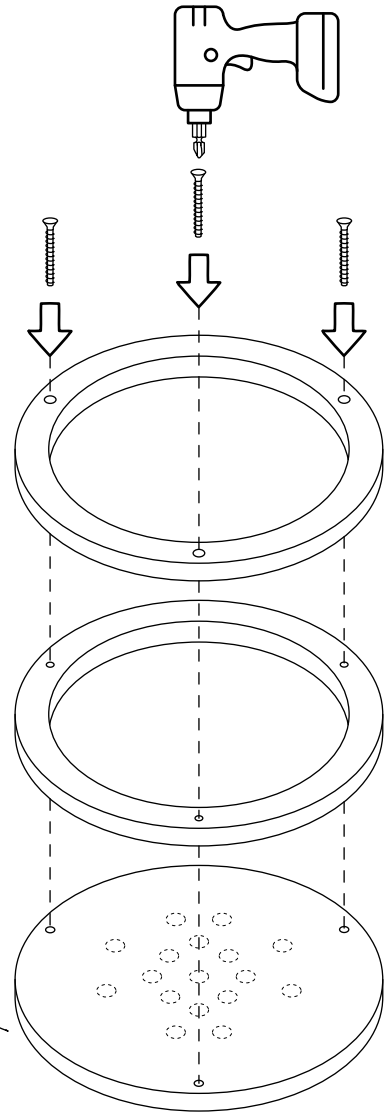
x9 35mm Screw



Bottom



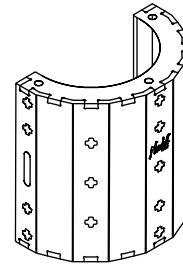
Top



08. Wobble x1

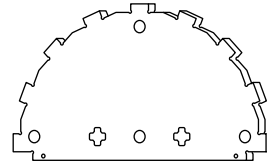
In box: ①-②-③-④-⑤-⑥-⑦

a.

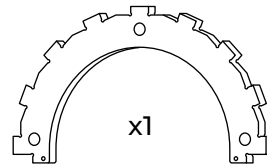


IMPORTANT!
Use 40mm
Wood Screw

x1



x1



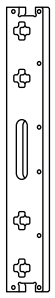
x1



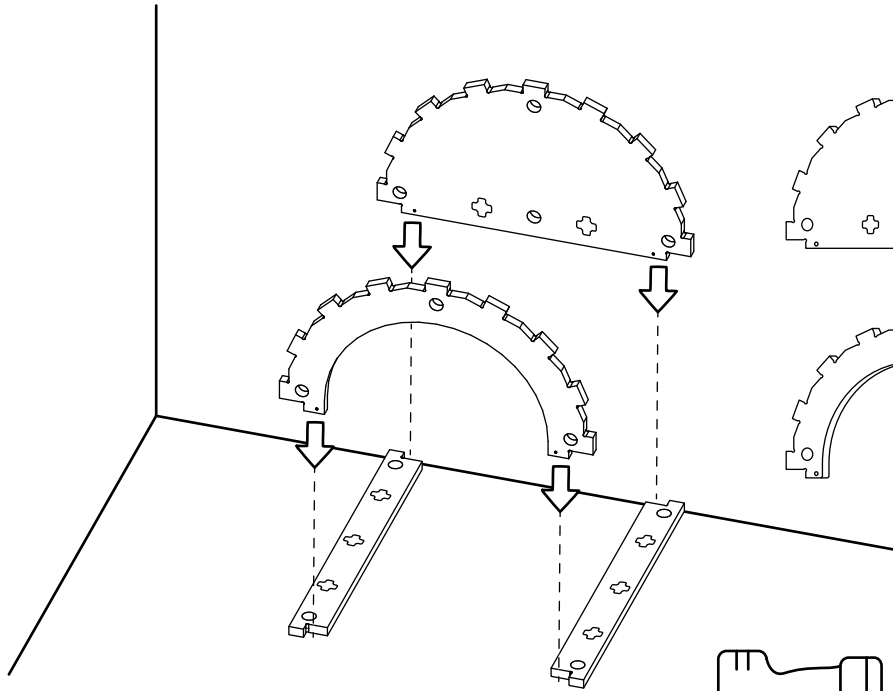
x2



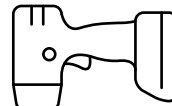
x1



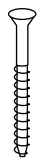
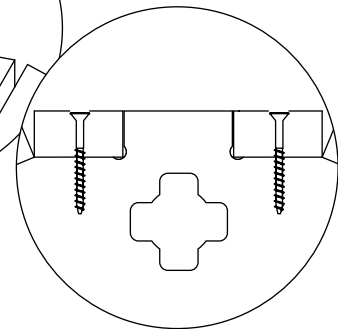
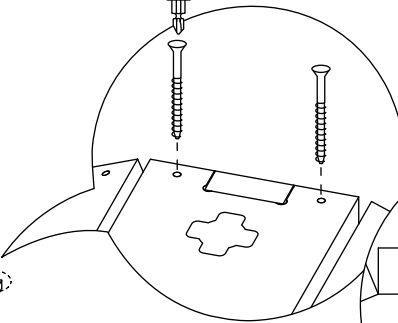
x2



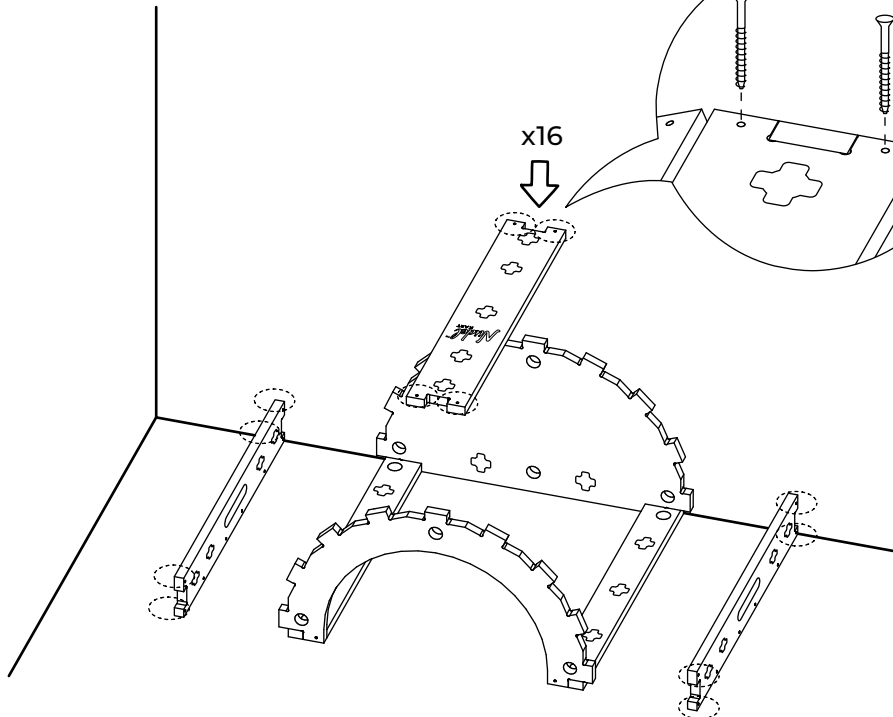
b.



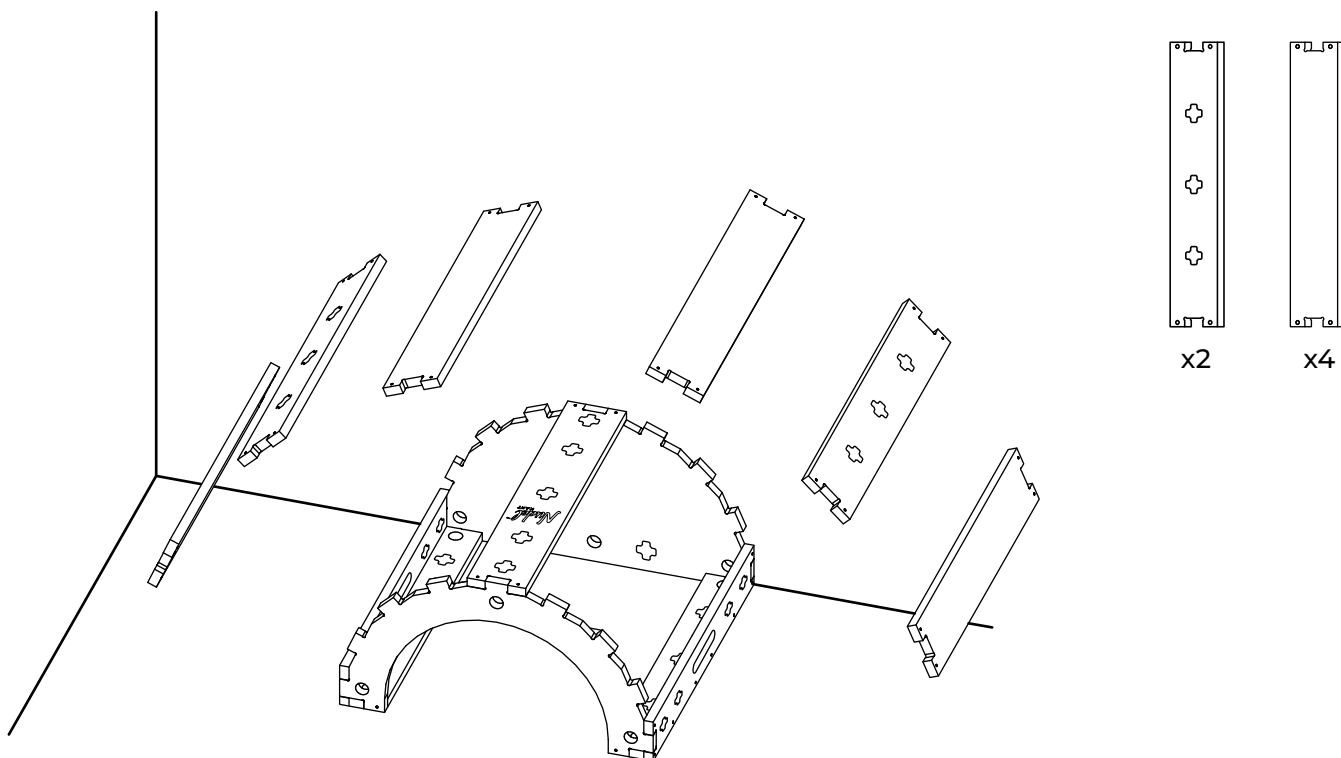
x16



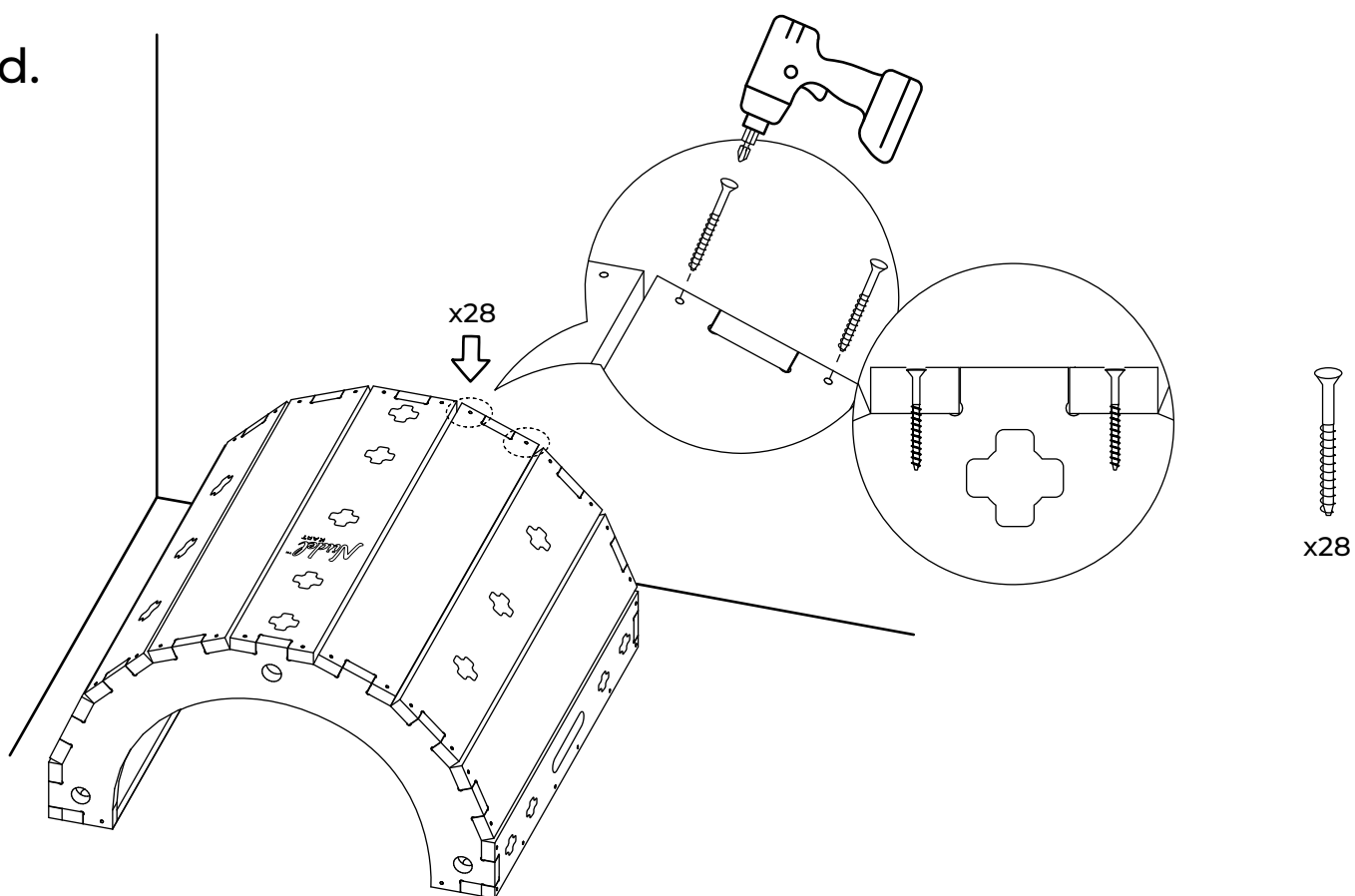
x16



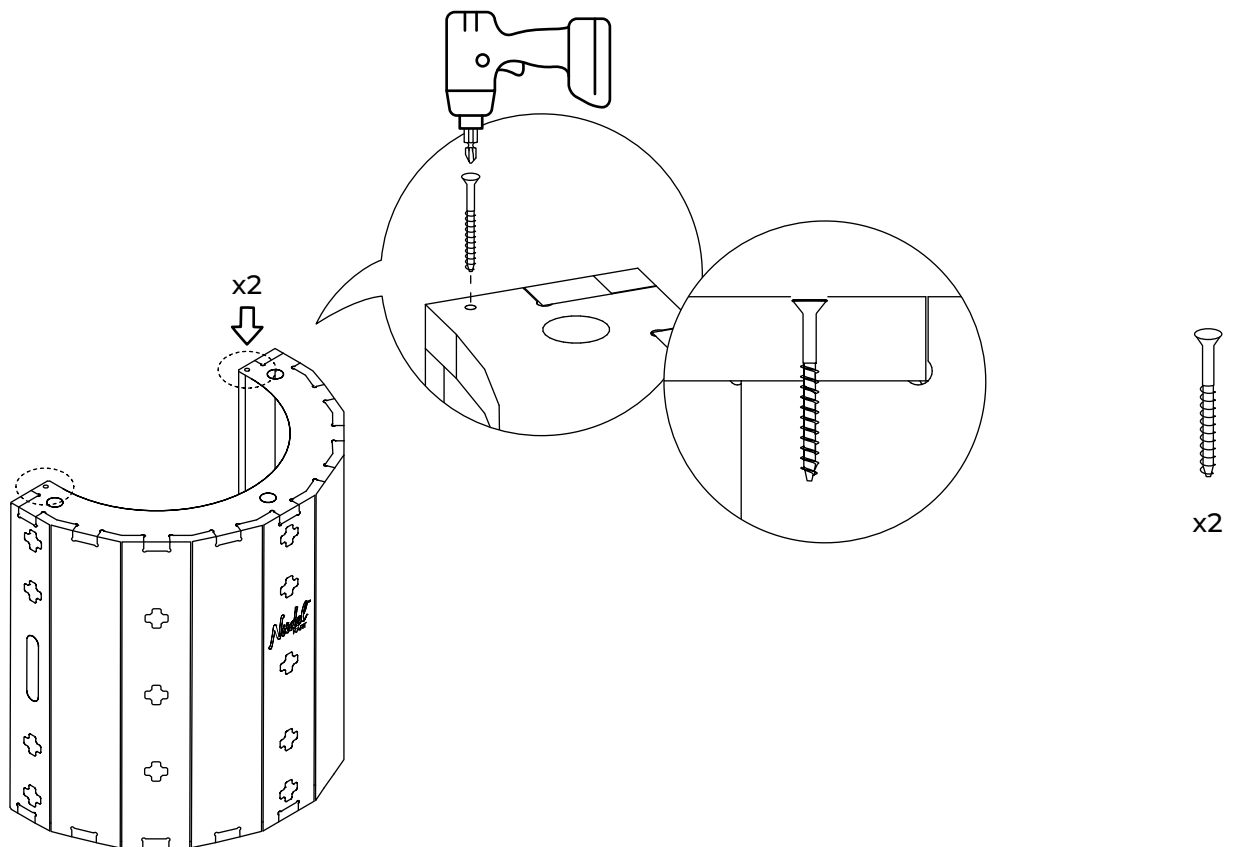
c.



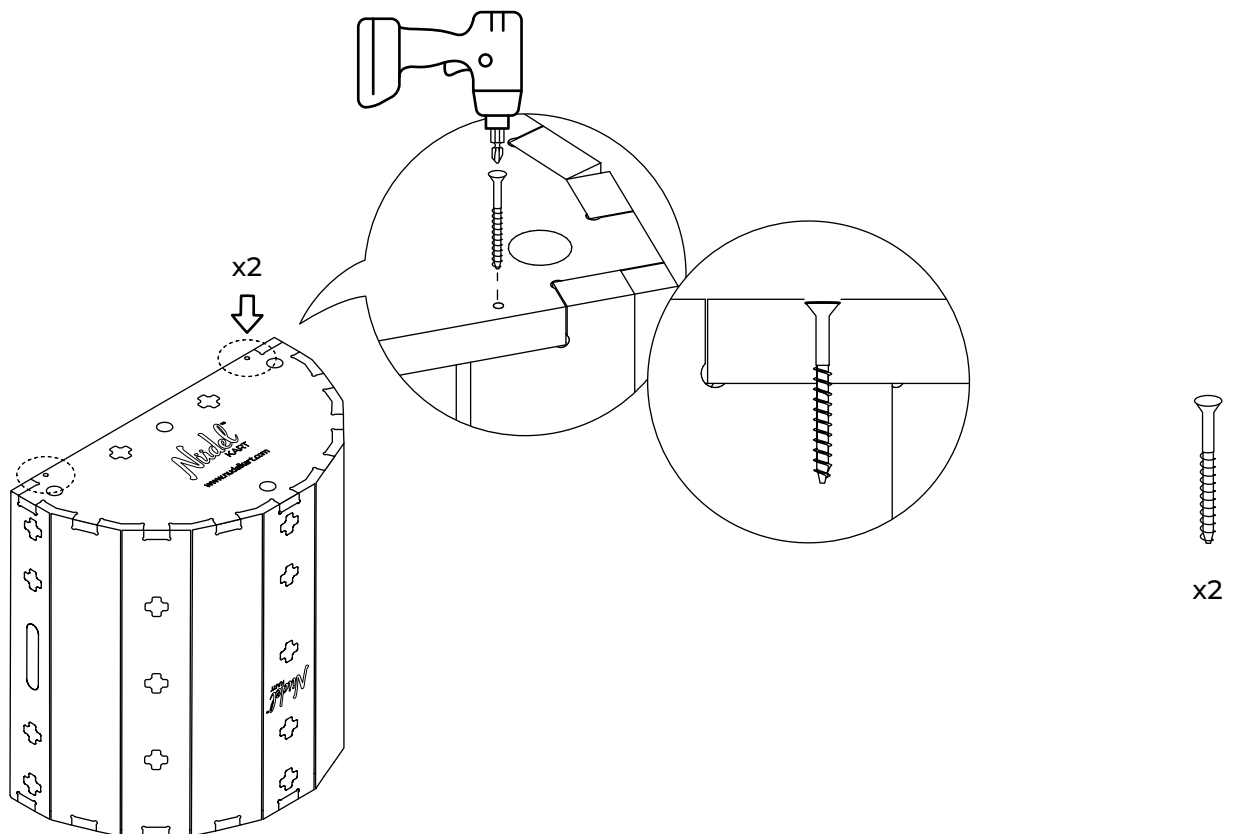
d.



e.



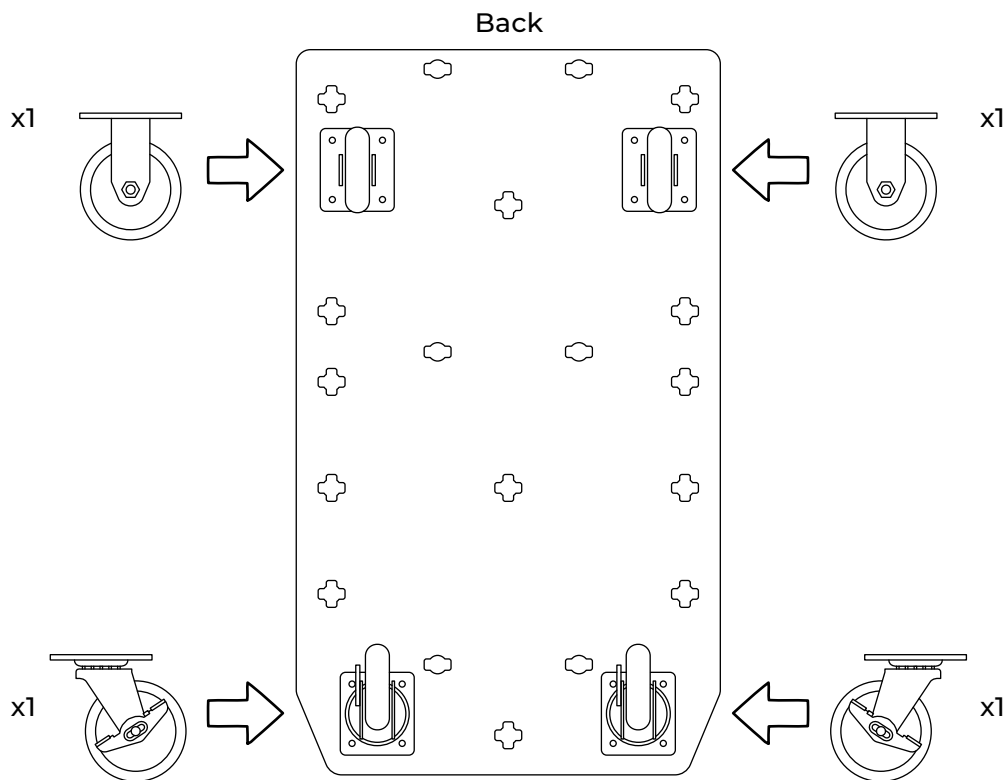
f.



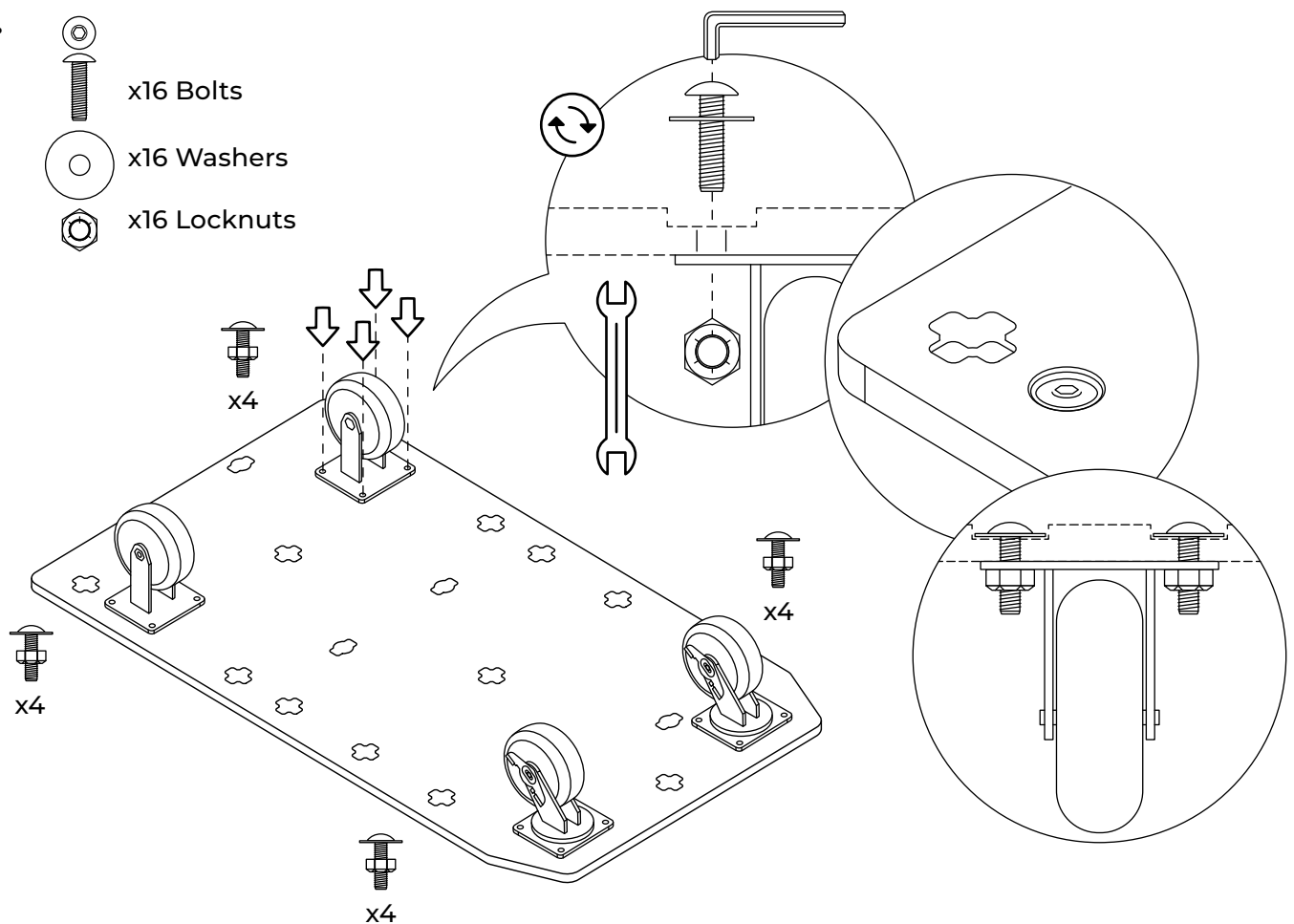
09. Base Board x1

In box: ①-②-③-④-⑤-⑥-⑦

a.



b.



NEXT STEPS

Now you've constructed all of the pieces,
use the Pack Up Manual supplied to
assemble the Nüdel Kart.

