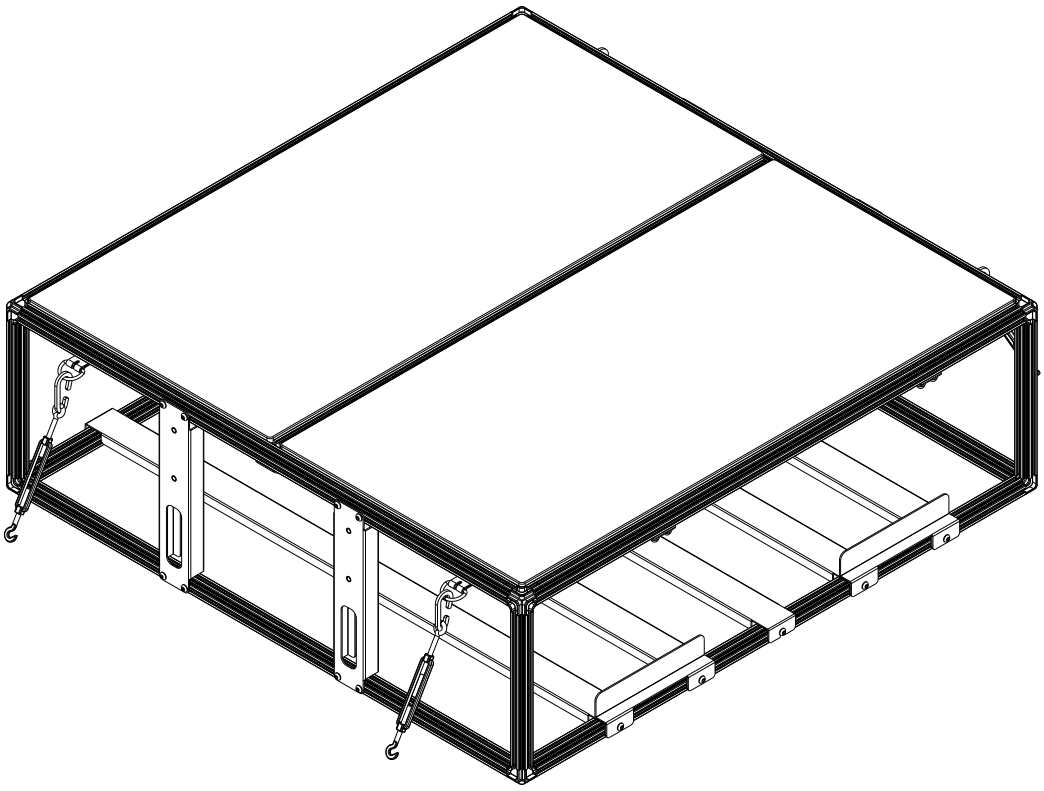
FRONT RUNNER
VEHICLE OUTFITTERS

4 WOLF PACK PRO STORAGE SYSTEM ASYMMETRIC

ENG

SSW0010



READ ME ! ⚠

Thank you for purchasing a Front Runner Modular Storage System.

Before you start, take a moment to familiarize yourself with the Fitting Instructions and the components received.

Refer to Page 2 for a list of all the components, quantities and tools required.

IMPORTANT WARNING! ⚠

IT IS CRITICAL THAT ALL FRONT RUNNER PRODUCTS BE PROPERLY AND SECURELY ASSEMBLED AND ATTACHED TO YOUR VEHICLE. IMPROPER ATTACHMENT COULD RESULT IN AN AUTOMOBILE ACCIDENT, AND COULD CAUSE SERIOUS BODILY INJURY OR DEATH. YOU ARE RESPONSIBLE FOR ASSEMBLING AND SECURING ALL FRONT RUNNER PRODUCTS TO YOUR VEHICLE. CHECKING THE ATTACHMENTS PRIOR TO USE, AND PERIODICALLY INSPECTING THE PRODUCTS FOR ADJUSTMENT, WEAR AND DAMAGE. THEREFORE YOU MUST READ AND UNDERSTAND ALL OF THE INSTRUCTIONS AND PRECAUTIONS SUPPLIED WITH YOUR FRONT RUNNER PRODUCT PRIOR TO INSTALLATION OR USE. IF YOU DO NOT UNDERSTAND ALL OF THE INSTRUCTIONS AND CAUTIONS, OR IF YOU HAVE NO MECHANICAL EXPERIENCE AND ARE NOT THOROUGHLY FAMILIAR WITH THE INSTALLATION PROCEDURES, YOU SHOULD HAVE THE PRODUCT INSTALLED BY A PROFESSIONAL INSTALLER OR OTHER QUALIFIED PERSONNEL.

1 GET ORGANIZED

IN THE BOX		
1	9 X	Extrusion 915mm Long
2	4 X	Extrusion 250mm Long
3	8 X	Corner
4	2 X	Joiner Plate
5	4 X	Side Strut
6	8 X	Corner Bracket
7	8 X	Middle Bracket
8	8 X	Spring
9	5 X	Bottom Support
10	2 X	Bottom Tab Bracket
11	4 X	Turn Buckle
12	4 X	Carabiner - Large
13	4 X	M6 D-Ring
14	12 X	M6 x 12 Hex Bolt
15	12 X	M6 Nyloc Nut
16	12 X	M6 Nut Cap
17	16 X	No.8 x 16 Pan Self-tapping Screw
18	8 X	M6 x 10 Button Head Bolt

IN THE BOX		
19	2 X	Bamboo Decking
20	36 X	M6 x 8 Button Head Bolt
21	48 X	M6 Thin Nut
22	4 X	Carabiner - Small
23	4 X	Corner Gusset

TOOLS NEEDED

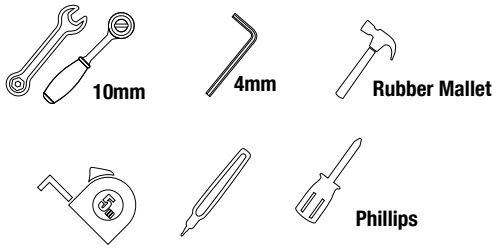
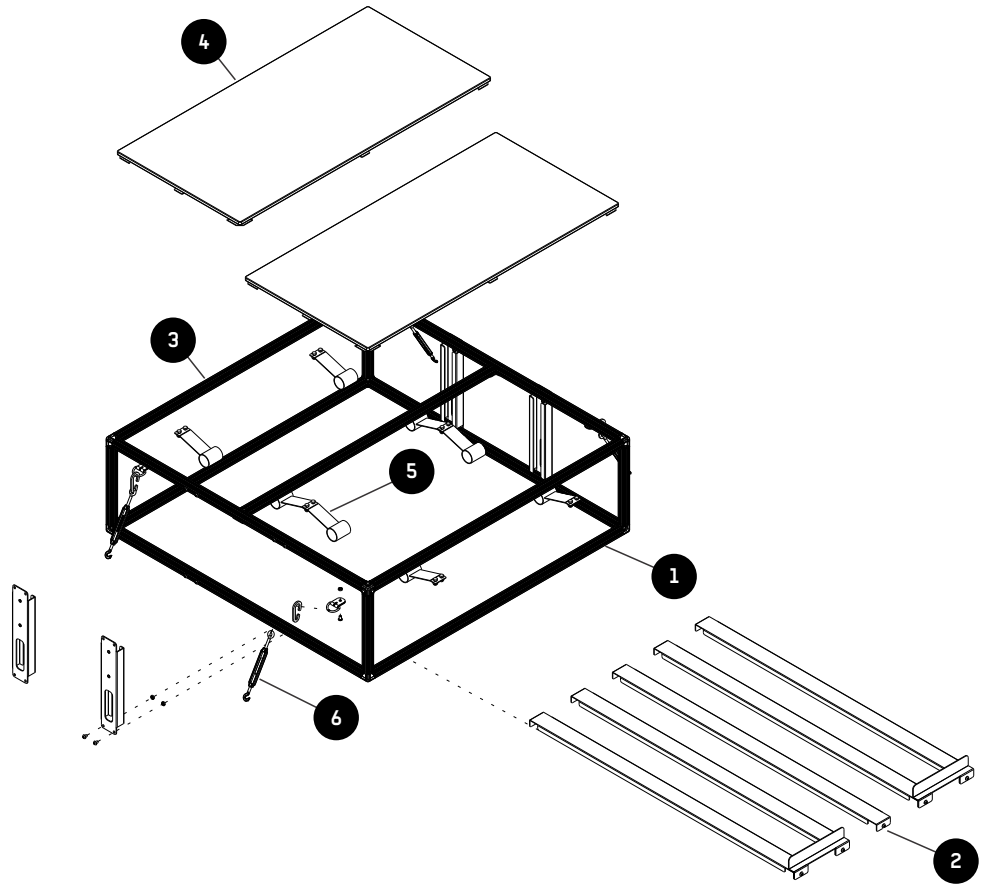


FIGURE 1.1

NOTE: This Unit is broken down into Sub-Assemblies and is marked accordingly.



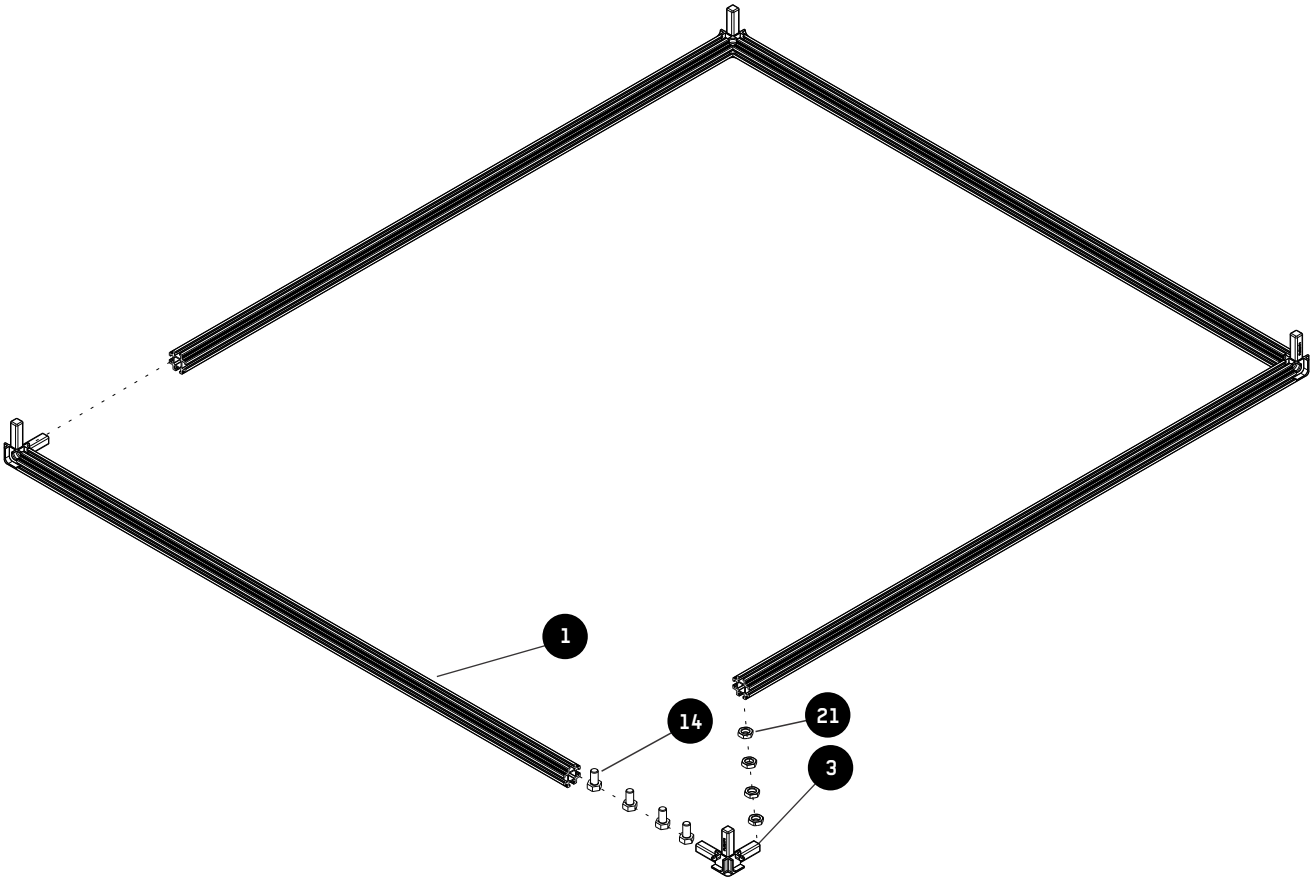
2 SUB-ASSEMBLY 1

IN THE BOX		
1	8 X	Extrusion 915mm Long
3	8 X	Corner
14	8 X	M6 x 12 Hex Bolt
21	8 X	M6 Thin Nut

TOOLS NEEDED

Rubber Mallet

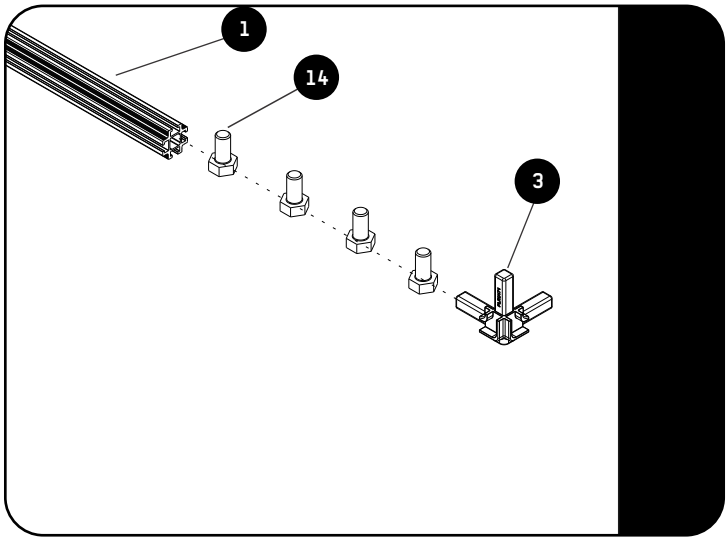
FIGURE 2.1



NOTE: Fasteners (Bolts and Nuts) only apply to the Top Frame Assembly.

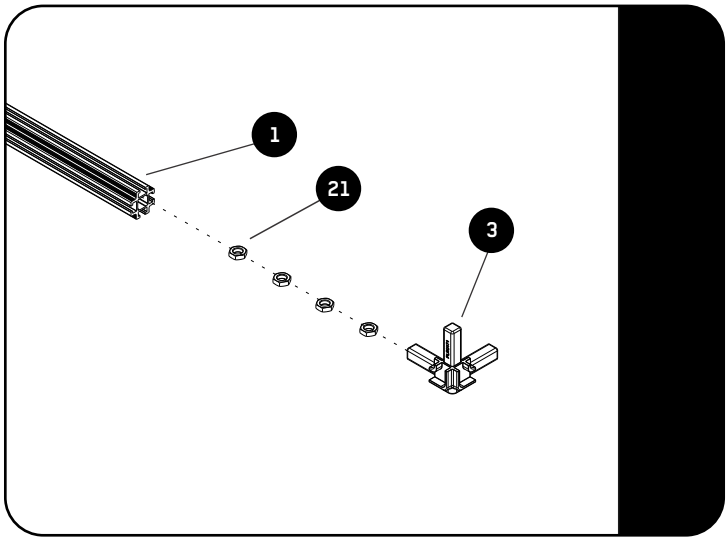
2 SUB-ASSEMBLY 1

2.1



Load four M6 x 12 Hex Bolts (Item 14) into an Extrusion (Item 1), as shown in Fig. 2.1. Repeat on another Extrusion and place these opposite each other.

2.2

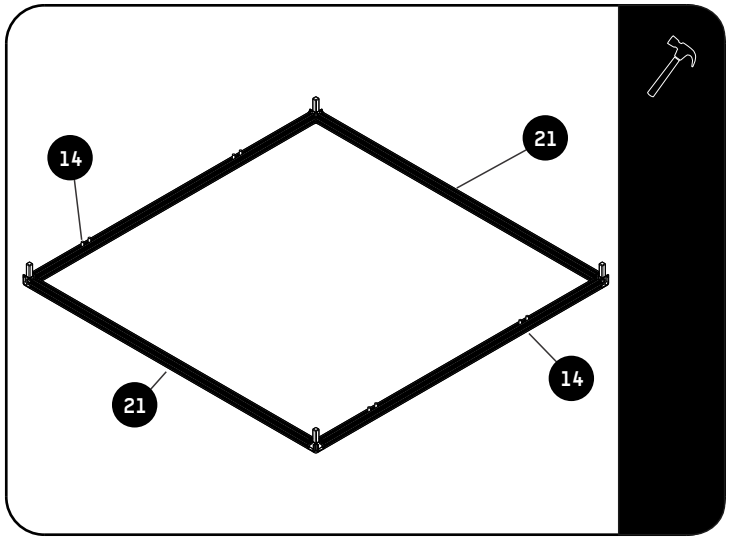


Load four M6 Thin Nuts (Item 21) into each of the two remaining Extrusions (Item 1), as shown in Fig. 2.2. Place these opposite each other.

On a flat, level surface, loosely assemble one Extrusion (Item 1) and two Corners (Item 3).

Take Note of the Corner, Bolt and Nut orientations, as shown in Fig 2.1 and 2.2. These should all be in the same T-slot in each extrusion, facing the same way.

Repeat this process until you have a square of four Extrusions and four Corners.



Use the Rubber Mallet to securely fit the corners so they are flush against each Extrusion. This will be the Top Frame.

Repeat Steps to assemble another square frame, but leave out the M6 x 12 Hex Bolts and M6 Thin Nuts.

This would be the Bottom Frame. Set aside for later use.

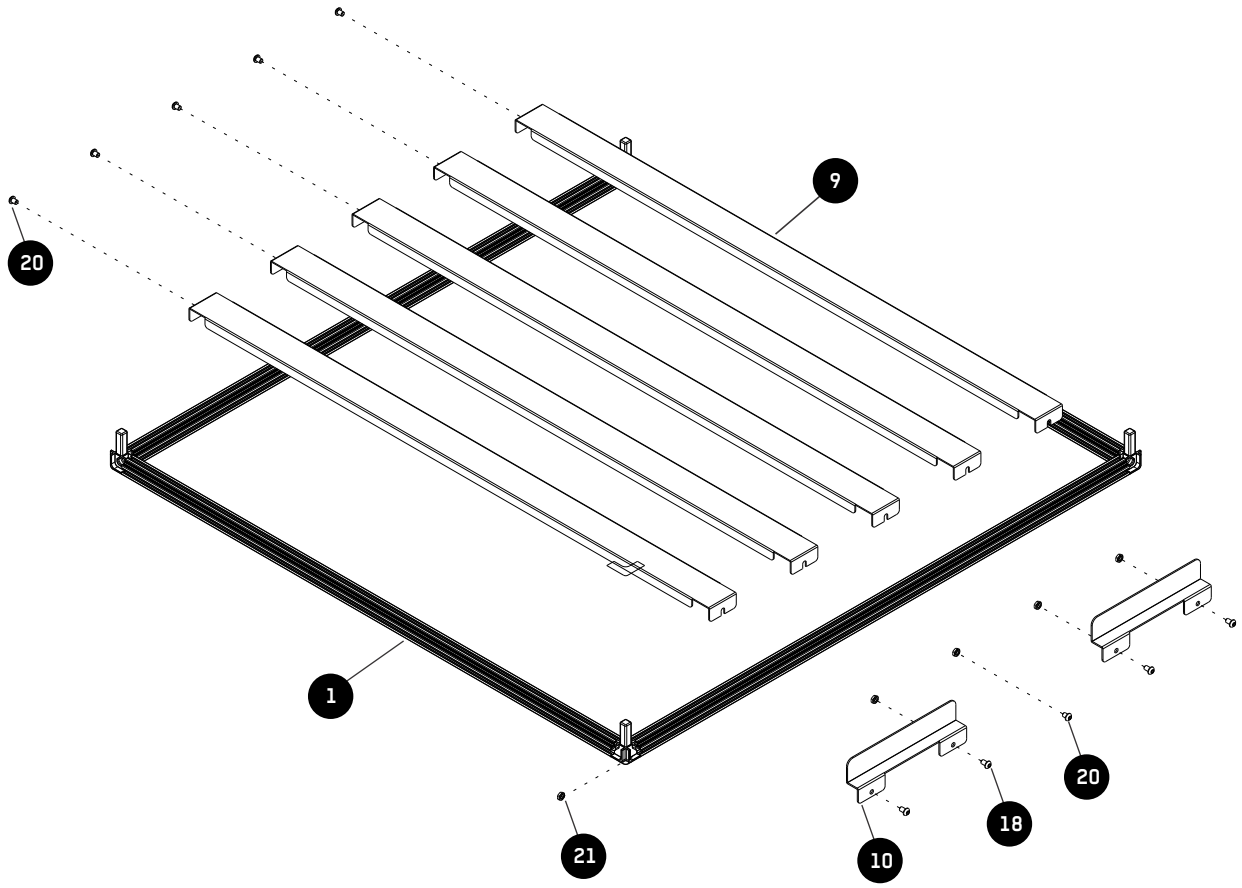
3 SUB-ASSEMBLY 2

IN THE BOX		
1	1 X	Bottom Frame assembled in Step 2
9	5 X	Bottom Support
10	2 X	Bottom Tab Bracket
18	4 X	M6 x 10 Button Head Bolt
20	6 X	M6 x 8 Button Head Bolt
21	10 X	M6 Thin Nut

TOOLS NEEDED

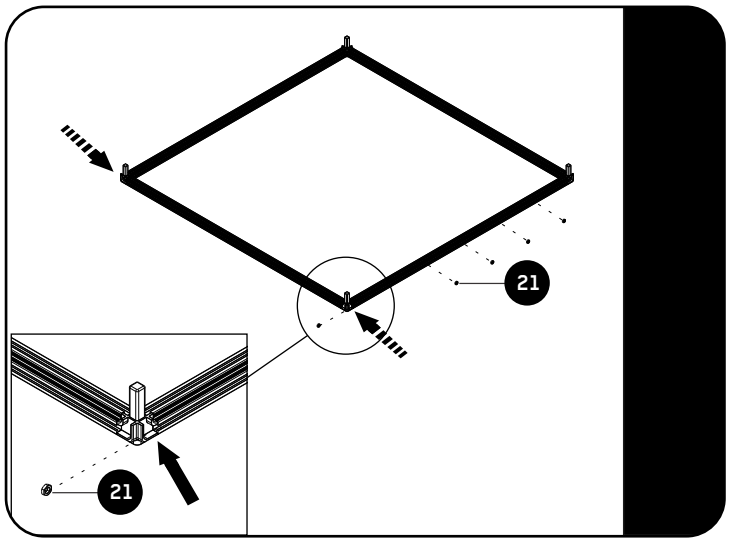
FIGURE 3.1

NOTE: Bottom Frame is Similar to the top frame, but with no pre-loaded fasteners.



3 SUB-ASSEMBLY 2

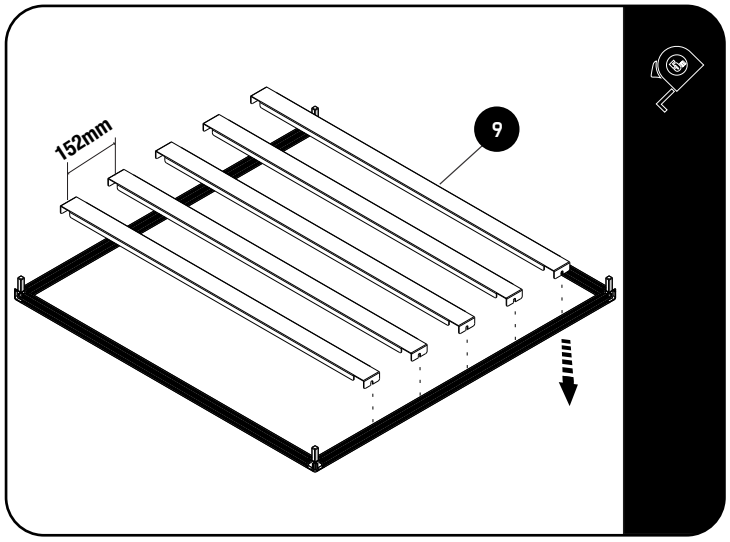
3.1



Starting with the Bottom Frame, as assembled in Step 2, load five M6 Thin Nuts (Item 21) into one of the 915mm Long Extrusions, using the slot on the outside of the Corner and Extrusion.

Load five M6 Thin Nuts (Item 21) into the outside slot of the Extrusion on the opposite side, as shown in step 3.1

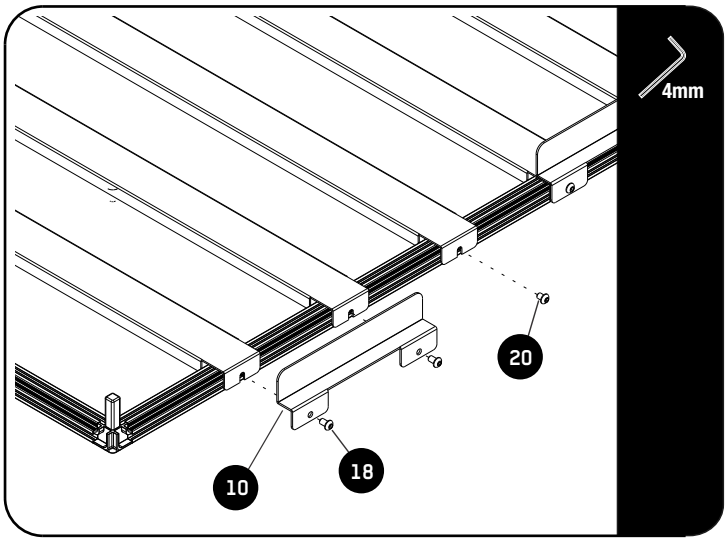
3.2



Place the five Bottom Supports (Item 9) over the Extrusions loaded in Step 3.1. Equally space the Supports, by measuring 152mm centre to centre.

Align the M6 Thin Nuts with each of the Bottom Supports' slots on both sides.

3.3



Place the Bottom Tab Brackets (Item 10) over the Bottom Supports - two on each side - leaving the Middle Bottom Support empty. Make sure the the holes in the Bottom Tab Brackets line up with the slots of the Bottom Supports.

Loosely assemble using M6 x 10 Button Head Bolts (Item 18).

Loosely assemble the Middle Bottom Support and all the Bottom Supports on the opposite side using M6 x 8 Button Head Bolts (Item 20).

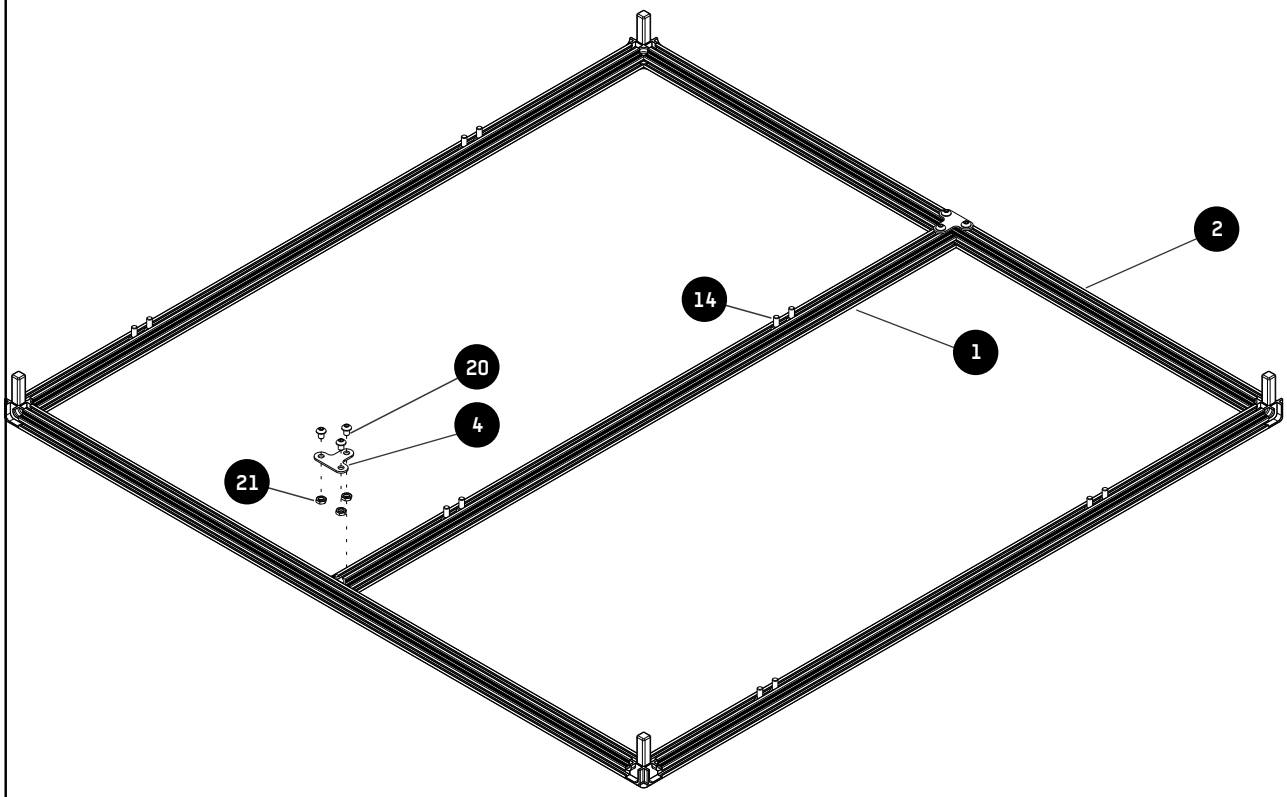
Tighten all fasteners and put assembly aside.

4 SUB-ASSEMBLY 3

IN THE BOX		
1	1 X	Extrusion 915mm Long
2	1 X	Top Frame assembled in Step 2
4	2 X	Joiner Plate
14	4 X	M6 X 12 Hex Bolt
20	6 X	M6 x 8 Button Head Bolt
21	2 X	M6 Thin Nut

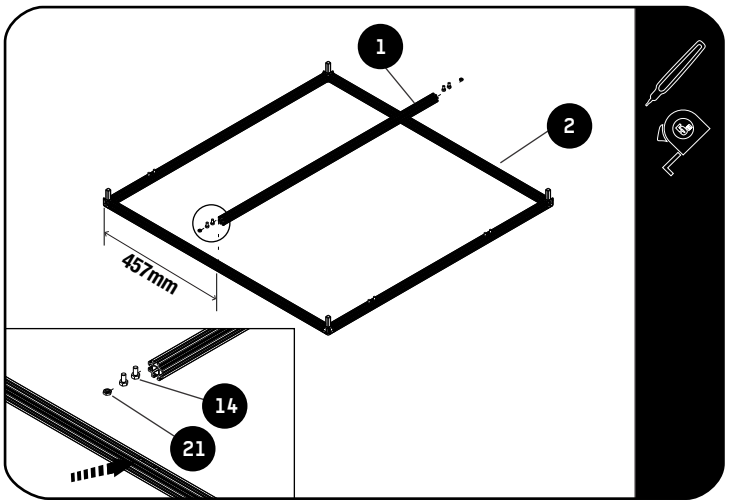
TOOLS NEEDED

FIGURE 4.1



4 SUB-ASSEMBLY 3

4.1

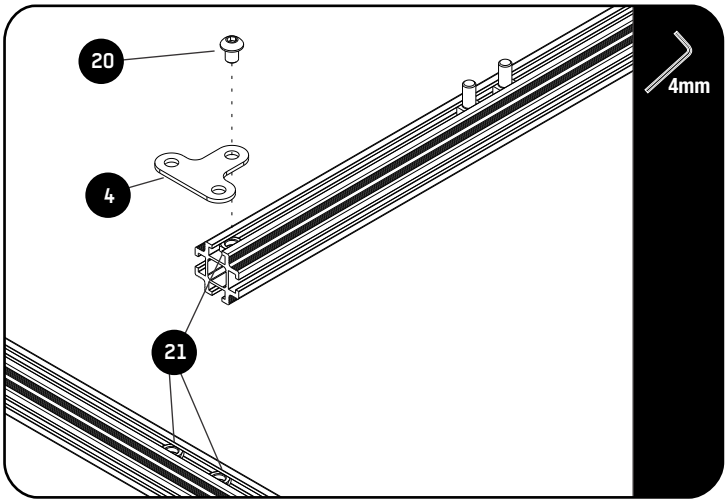


Starting on the Top Frame (Item 2) assembled and put aside in Step 2, measure 457mm and mark the position with a marking pen, as shown in 4.1

Note the position in relation to the Bolts and Thin Nuts.

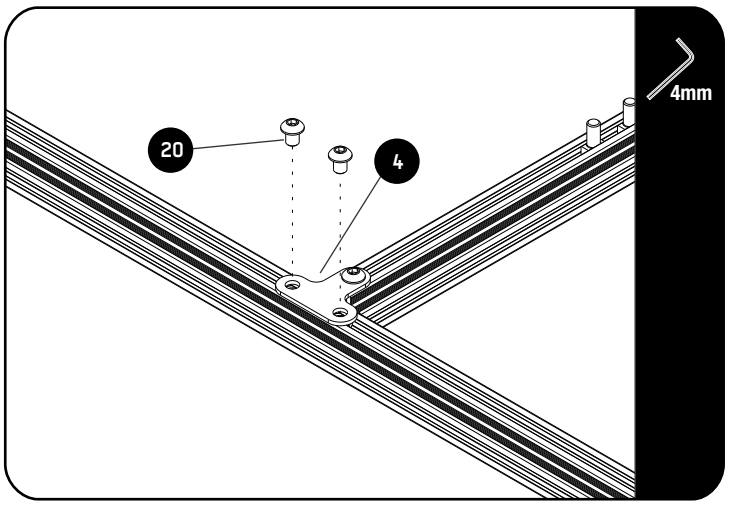
Load one M6 Thin Nut (Item 21), the remaining four M6 x 12 Hex Bolts (Item 14) and another M6 Thin Nut into a slot on the last 915mm Long Extrusion (Item 1), in that order.

4.2



Loosely assemble the Joiner Plates (Item 4) on each end of the Extrusion (Item 1) using the first and last M6 Thin Nuts (Item 21), loaded in Step 4.1 and M6 x 8 Button Head Bolts (Item 20).

4.3



Align the middle two M6 Thin Nuts (Item 21) of the four that were loaded in Step 2.2 with the holes in each Joiner Plate (Item 4). Do this for both sides.

Loosely assemble using two M6 x 8 Button Head Bolts (Item 20). Do this for both sides.

Align the centre of the Extrusion with the mark made in 4.1, but do not tighten fasteners yet.

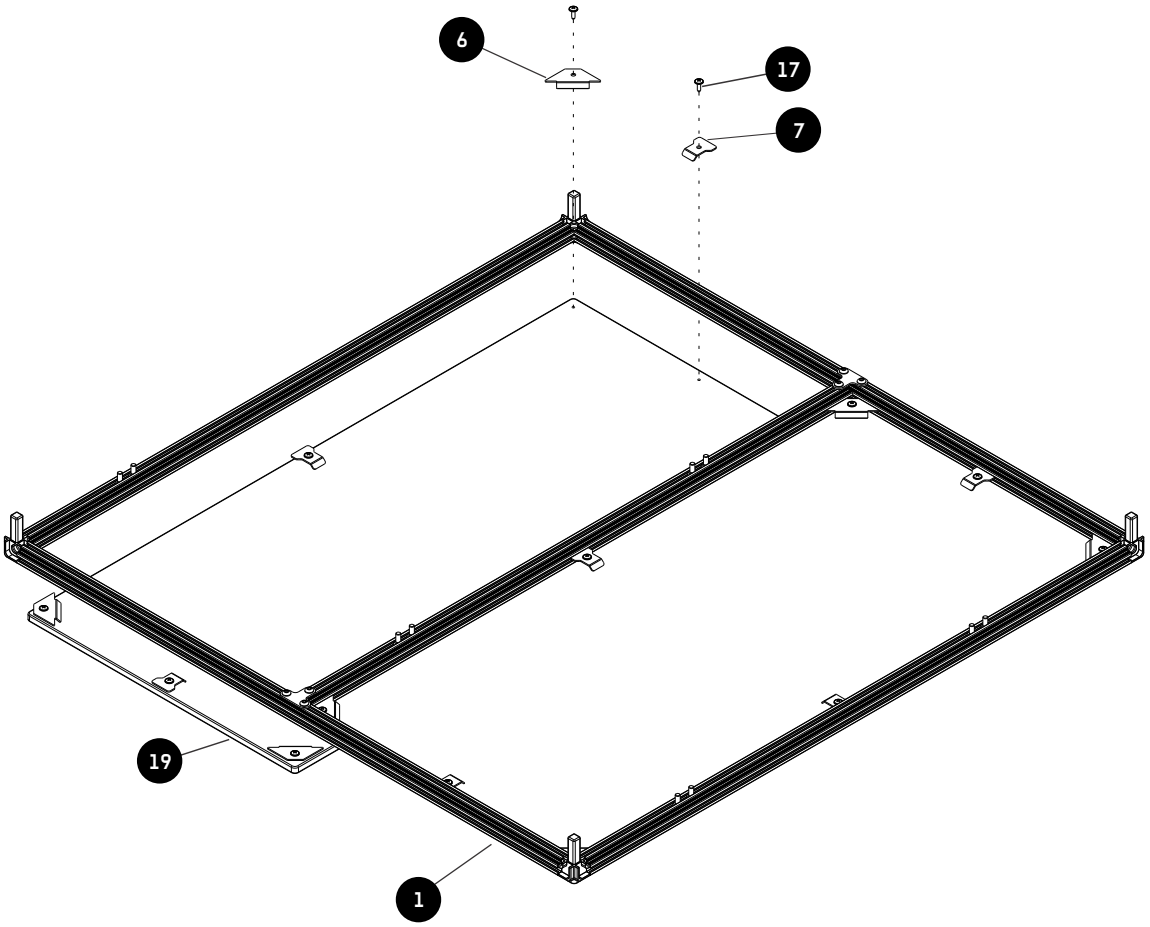
5 SUB-ASSEMBLY 4

IN THE BOX		
1	1 X	Sub-assembly 3
6	8 X	Corner Bracket
7	8 X	Middle Bracket
17	16 X	No.8 x 16 Pan Self-tapping Screw
19	2 X	Bamboo Decking

TOOLS NEEDED

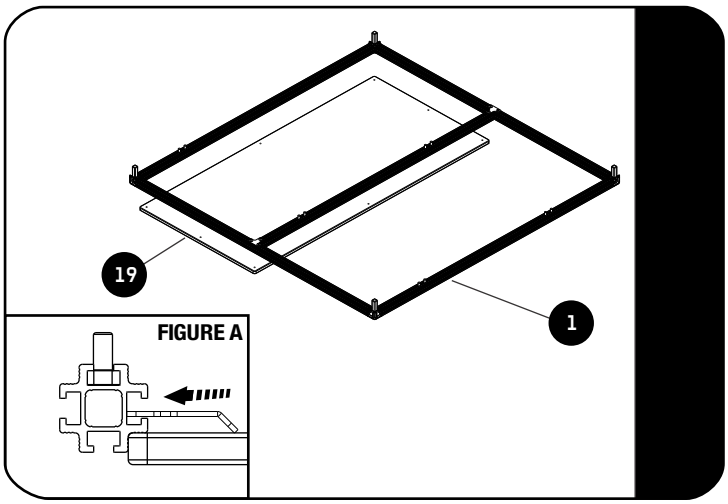
Phillips

FIGURE 5.1



5 SUB-ASSEMBLY 4

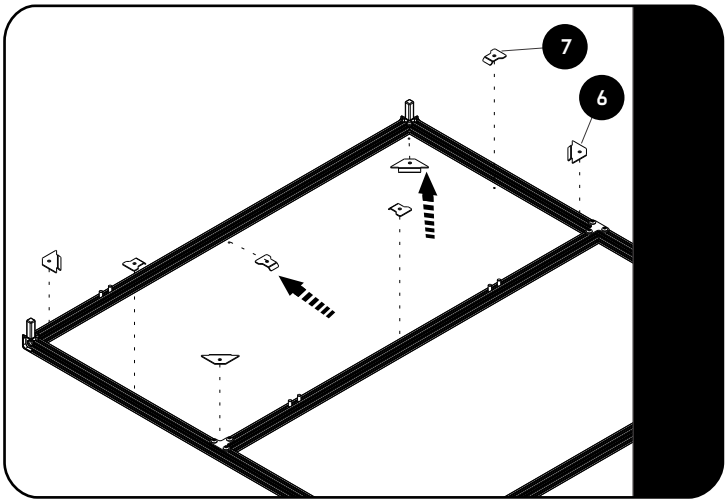
5.1



Place one Bamboo Deck (Item 19) on a flat surface, with holes facing up.

Place Sub-assembly 3 (Item 1) on top of the Deck so it is flush against all the Extrusions, as shown in Fig. A.

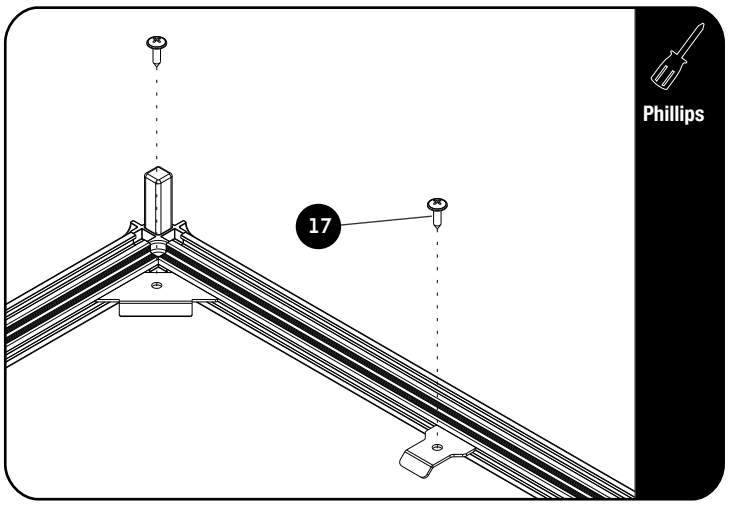
5.2



Place the Corner Brackets (Item 6) in each corner by slotting them into the inner slot of the Extrusion, as indicated by the arrow in Fig A and Fig 5.2, and align the holes with the pilot holes on the Deck.

Place the Middle Brackets (Item 7) in the middle of the Deck by slotting them into the inner slot of the Extrusion and align the holes with the pilot holes on the Deck.

5.3



Using a No.8 x 16 Pan Self-tapping Screw (Item 17), fasten each bracket to the deck. This will attach the Deck to the frame.

Repeat Steps 5.1-5.3 to secure the remaining Deck to the frame.

NOTE: Do not over tighten - tighten until snug - if overtightened the screw could pierce through the top of the bamboo.

Fully tighten Joiner from Step 4.3.

Tightening Torque:

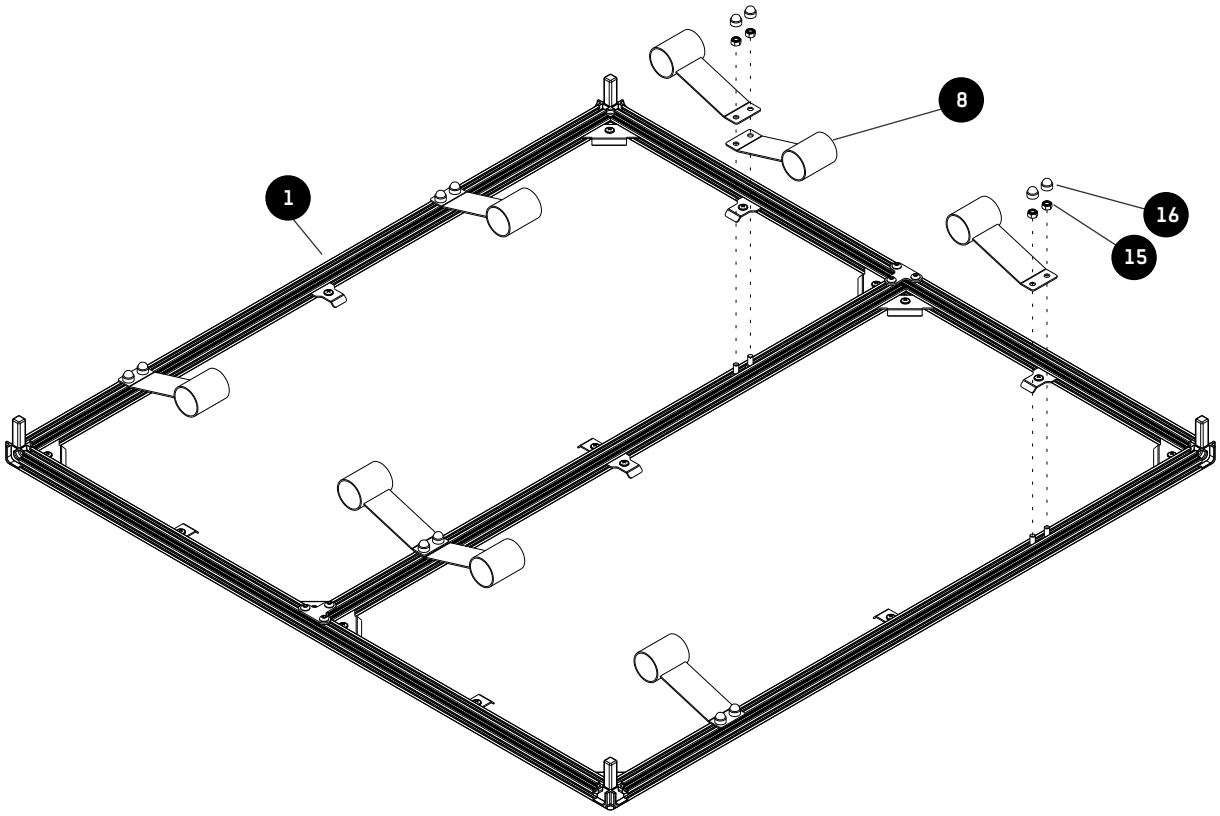
M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

6 SUB-ASSEMBLY 5

IN THE BOX		
1	1 X	Sub-assembly 4
8	8 X	Spring
15	12 X	M6 Nyloc Nut
16	12 X	M6 Nut Cap

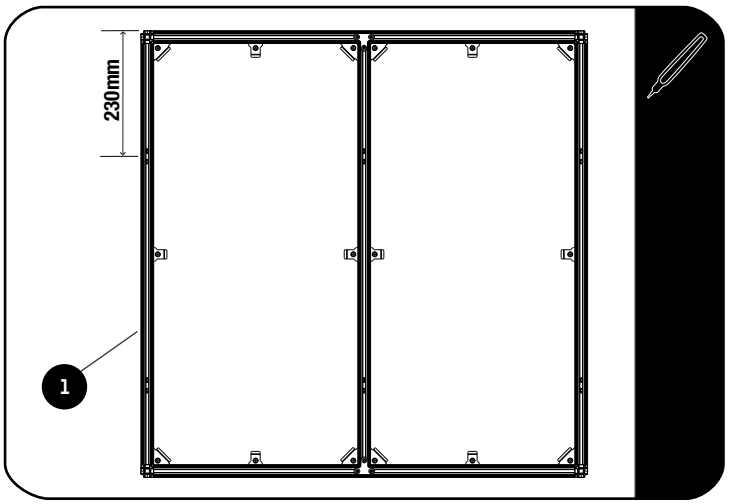
TOOLS NEEDED

FIGURE 6.1



6 SUB-ASSEMBLY 5

6.1

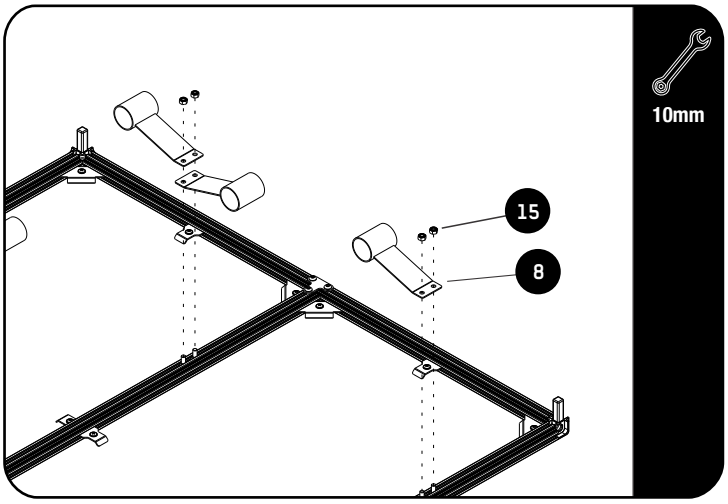


Using Sub-assembly 4 (Item 1) from the previous step, measure 230mm from each side, as shown and mark each Extrusion with a Marking Pen.

Using the two outer bolts loaded in 2.1 loosely assemble the spring and align the center with the 230mm measurement.

Do this for the remaining three springs.

6.2



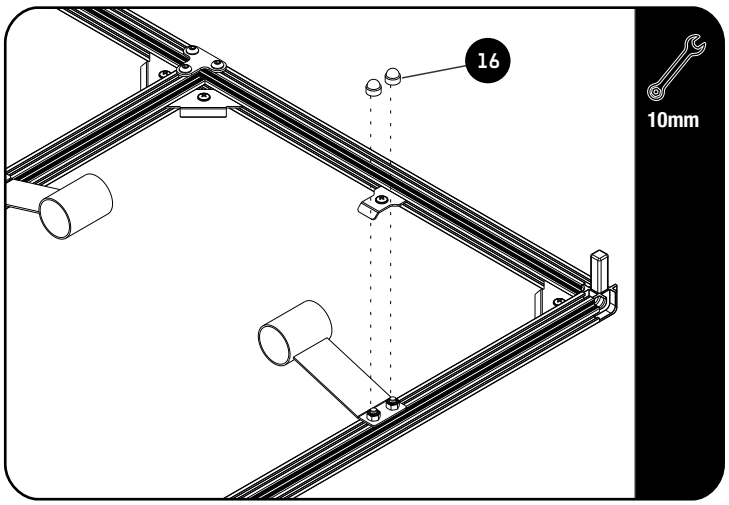
Loosely assemble the Springs (Item 8) by placing them over the M6 x 12 Hex Bolts and using the M6 Nyloc Nuts (Item 15), as shown in Fig 6.2.

Take note of the Springs' orientation in relation to the Decking. Two Springs will be fitted to the Middle Extrusion, pointing in opposite directions and using the same Hex Bolt set and the similar 230mm measurement.

Tightening Torque:

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

6.3



Adjust Springs if necessary and tighten all fasteners.

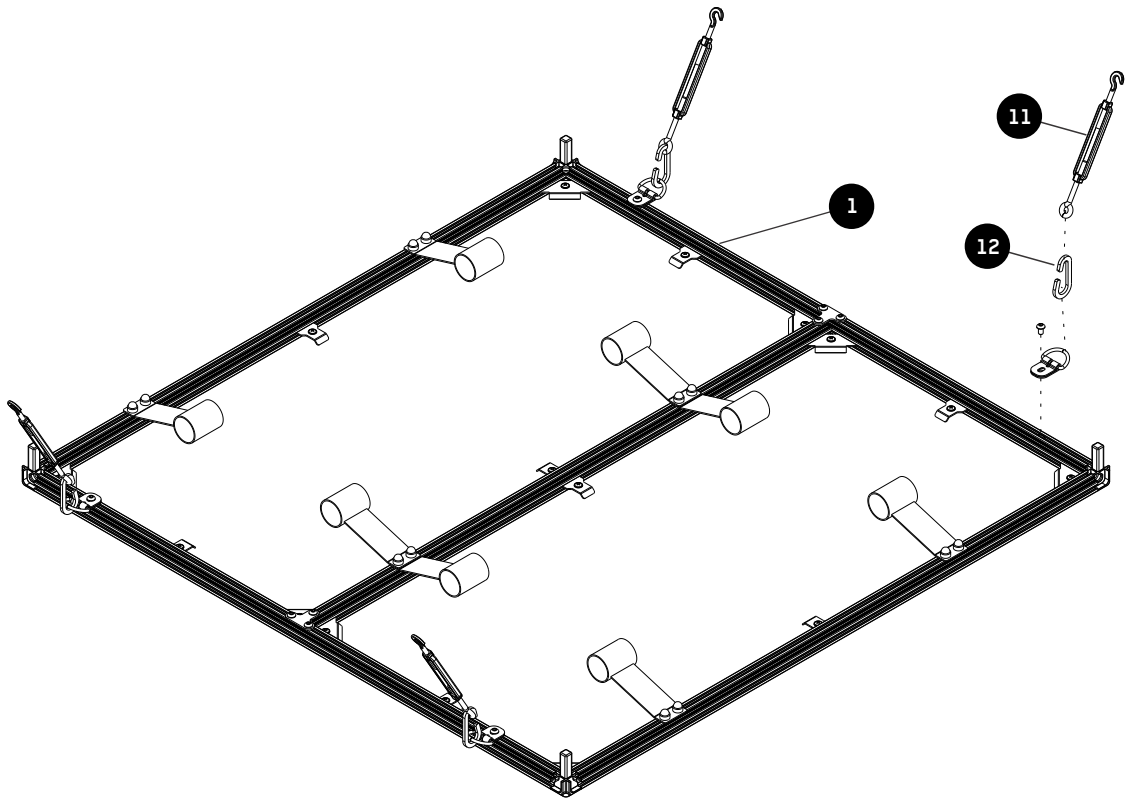
Place M6 Nut Caps (Item 16) over each M6 Nyloc Nut.

7 SUB-ASSEMBLY 6

IN THE BOX		
1	1 X	Sub-assembly 5
11	4 X	Turn Buckle
12	4 X	Carabiner - Large
13	4 X	M6 D-Ring
18	4 X	M6 x 10 Button Head Bolt
22	4 X	Carabiner - Small

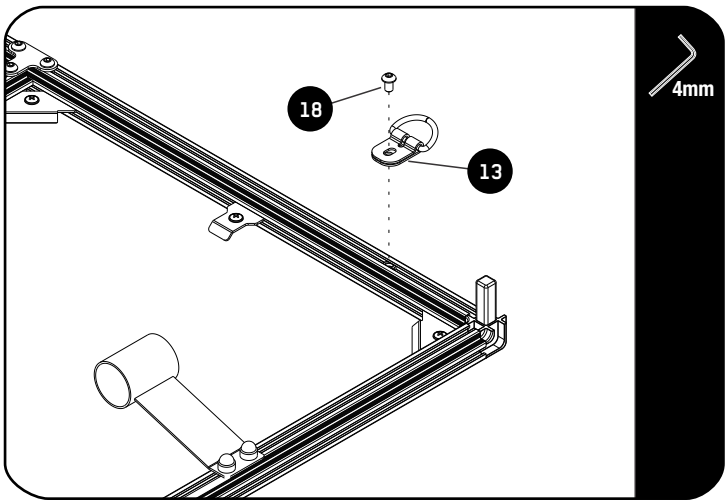
TOOLS NEEDED

FIGURE 7.1



7 SUB-ASSEMBLY 6

7.1



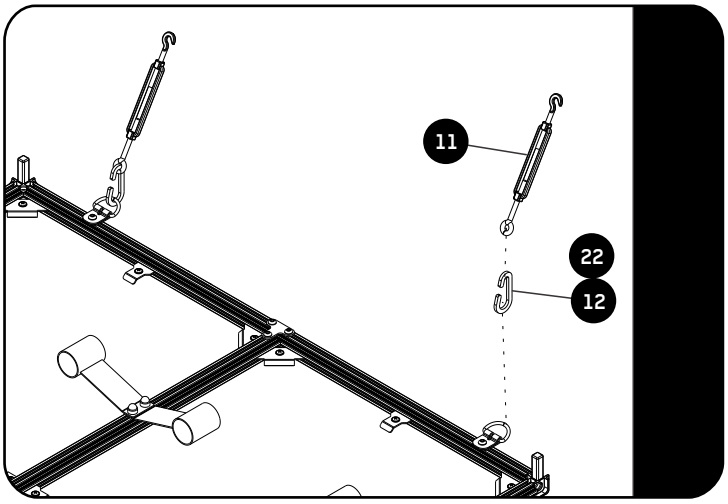
Loosely assemble the D-Rings (Item 13) using the two outer M6 Thin Nuts (Item 21) that was loaded in Step 2.1 and a M6 x 10 Button Head Bolt (Item 18).

Repeat on the opposite side.

Tightening Torque:

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

7.2



Hook the Carabiner - Large or Small, depending on the vehicle's mounting points - and Turn Buckle (Items 11 & 12 or 22) onto the D-Rings for use when installing in the vehicle.

Do not tighten fasteners yet, D-Rings should still slide freely in the T-slot.

8 MAIN ASSEMBLY

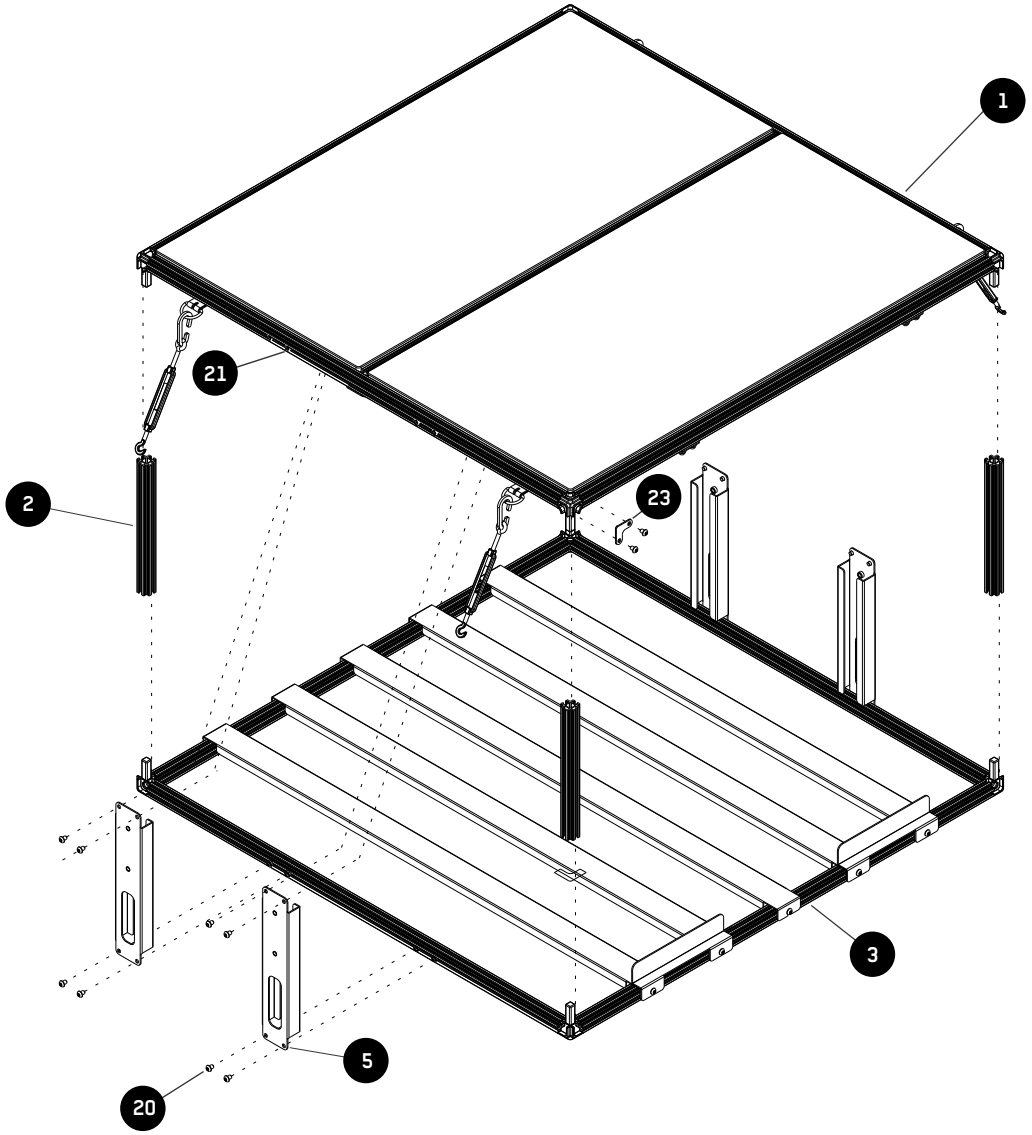
IN THE BOX		
1	1 X	Sub-assembly 6
2	1 X	Extrusion 250mm Long
3	1 X	Sub-assembly 2
5	4 X	Side Strut
20	24 X	M6 x 8 Button Head Bolts
21	24 X	M6 Thin Nut
23	4 X	Corner Gusset

TOOLS NEEDED

4mm

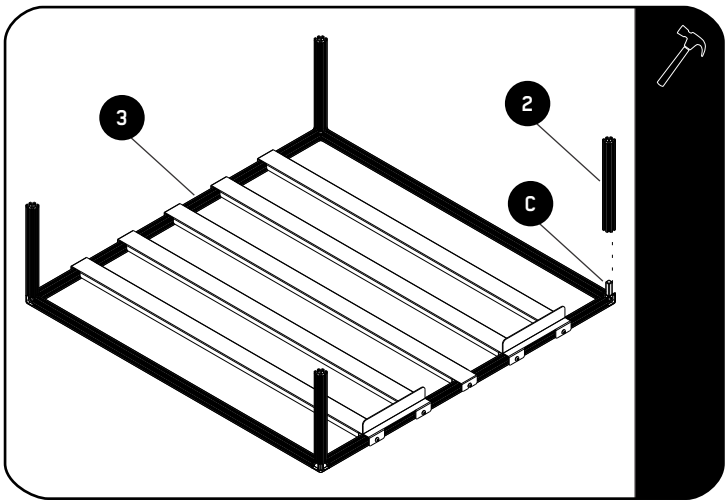
Rubber Mallet

FIGURE 8.1



8 ASSEMBLY

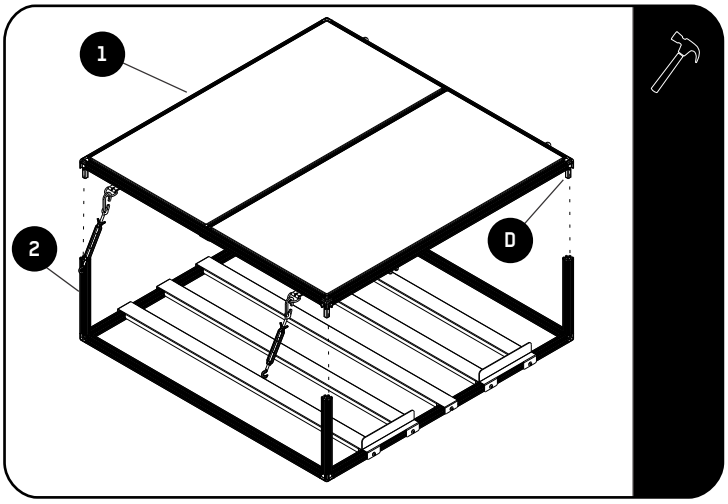
8.1



On a flat surface, place Sub-assembly 2 (Item 3) so the remaining stems on the corners are facing upward.

Assemble the 250mm Long Extrusions (Item 2) by placing them firmly on these stems (C) and gently knocking them in place with a Rubber Mallet.

8.2

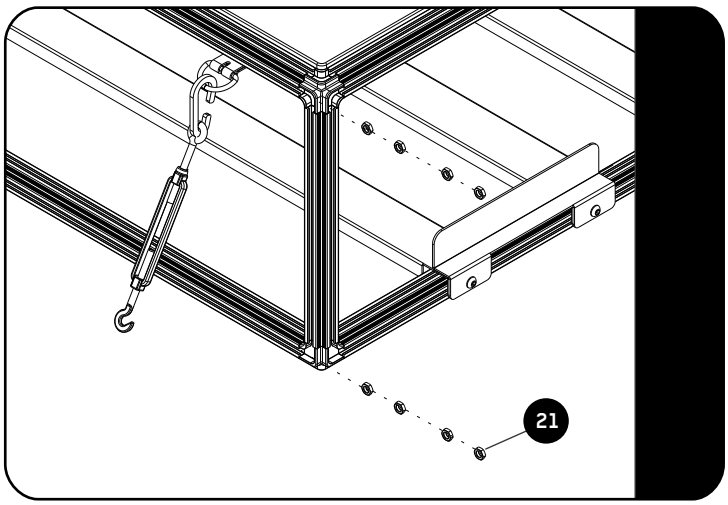


Flip Sub-assembly 6 (Item 1), so the remaining stems (D) on the corners are facing downwards.

Assemble by placing the stems firmly into the 250mm Long Extrusions (Item 2) and gently knocking them in place with a Rubber Mallet.

Note the Orientation - the Turn Buckles should be on the sides.

8.3

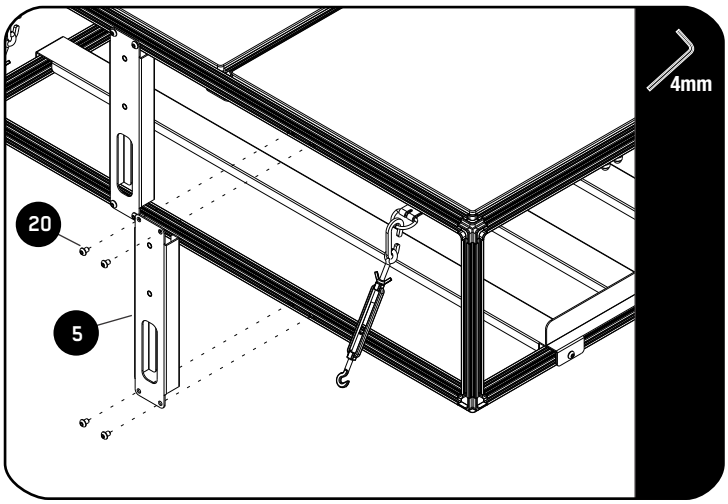


Load four M6 Thin Nuts (Item 21) into the outer T-Slot on the bottom and top Extrusions parallel to the Bottom Supports, as shown in Fig 8.3.

Repeat on the opposite side.

8 ASSEMBLY

8.4



Loosely assemble two Side Struts (Item 5) on each side using M6 x 8 Button Head Bolts (Item 20), 230mm from the front and back, measured from the middle of rhe strut to the end of the Extrusion.

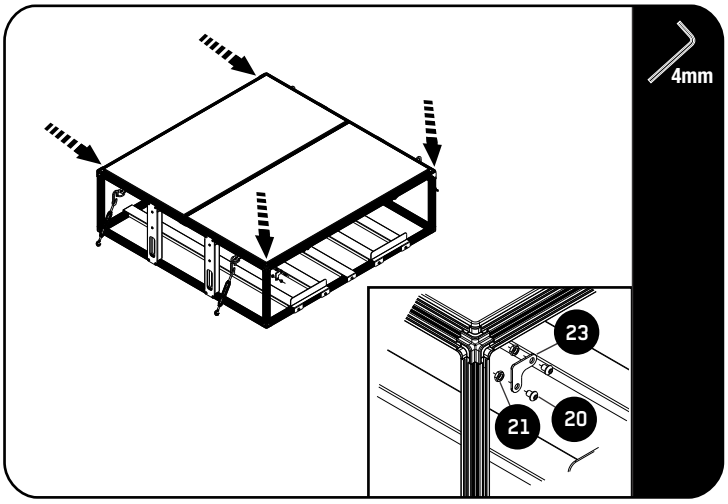
If you have a Deck Completion Set, move on to that firment guide at this point and do not tighten the fasteners of the side struts yet.

If you do not have a Deck Completion Set move on to the next step. Evenly space the Side Struts and tighten all fasteners.

Tightening Torque:

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

8.5



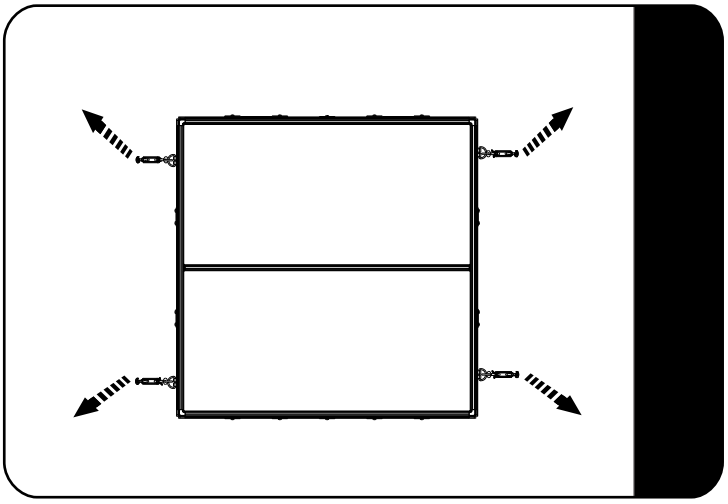
Loosely assemble the Corner Gusset (Item 23) using two M6 Thin Nuts (Item 21) and two M6 x 8 Button Head Bolts (Item 20). Load the whole assembly into the front and back corners, as shown.

Tighten all fasteners.

Tightening Torque:

M6 : 8-10Nm / 5.9 ft lb - 7.38 ft lb

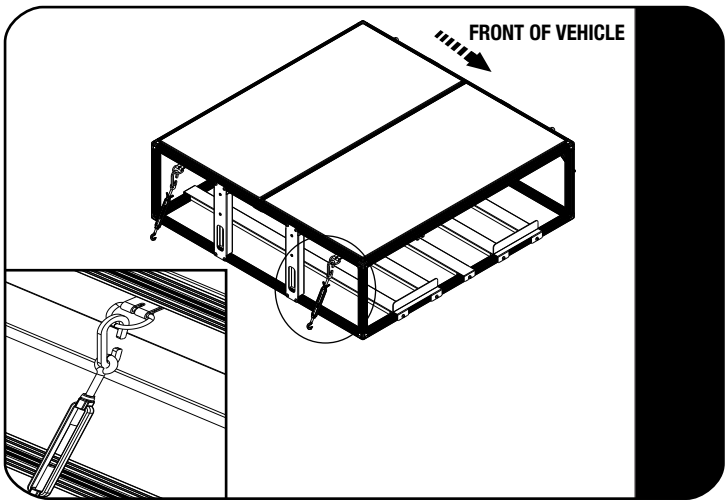
8.6



Place the Drawer System in the vehicle and center it. Make sure the Turnbuckles will be pulling outward to the existing mounting points in the vehicle to prevent it from moving after it has been secured.

8 ASSEMBLY

8.7



Position the D-Rings so that the Turnbuckles will pull outward to prevent the Drawer System from moving after it has been secured.

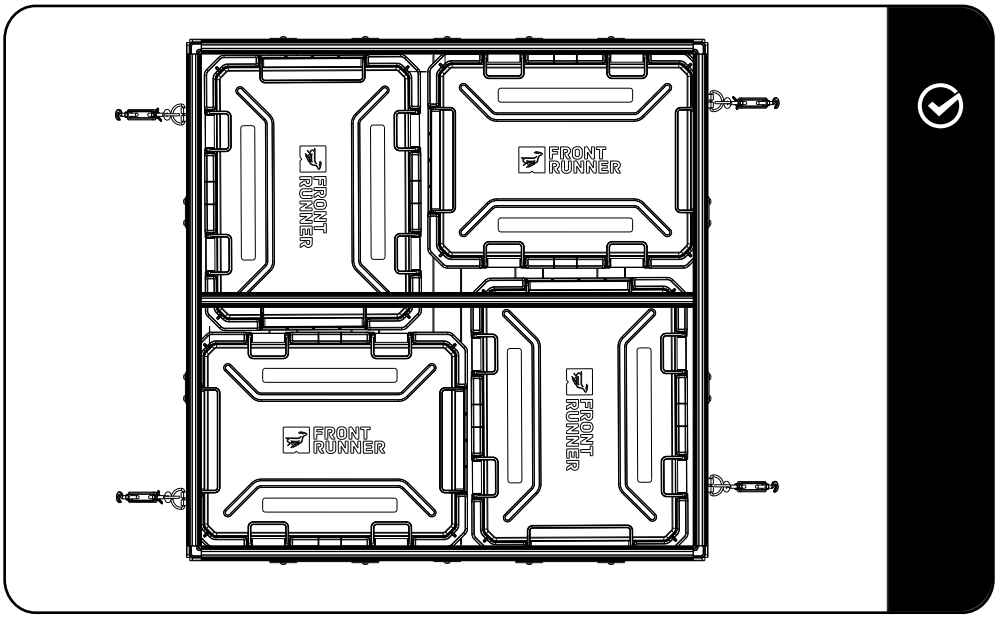
Connect each Turnbuckle to the existing tie-downs that are fitted to the vehicle and tighten the fasteners on the D-Rings.

Secure the Drawer System by tensioning the Turnbuckles until there is no more movement on the Drawer System. Make sure the Drawer System stays in position when doing this.

Lock the Turn Buckles with the Nuts supplied with the Turn Buckles. Do this by tightening the Nuts up to the Turn Buckle centre part.

9 BOX PLACEMENT AND COMPLETION

9.1 **Load your Modular Drawer system with four SBOX031 - noting the orientation.**



Congratulations! You did it. Take a step back and admire your work!

Front Runner will not be responsible for any damage caused by the failure to install the product according to these instructions. Please call us if you have any questions about the installation of this product.

INSTALL OTHER VEHICLE AND RACK ACCESSORIES

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