



TDP 5[®] and TDP 6s[®] Perspex Case Assembly Instructions

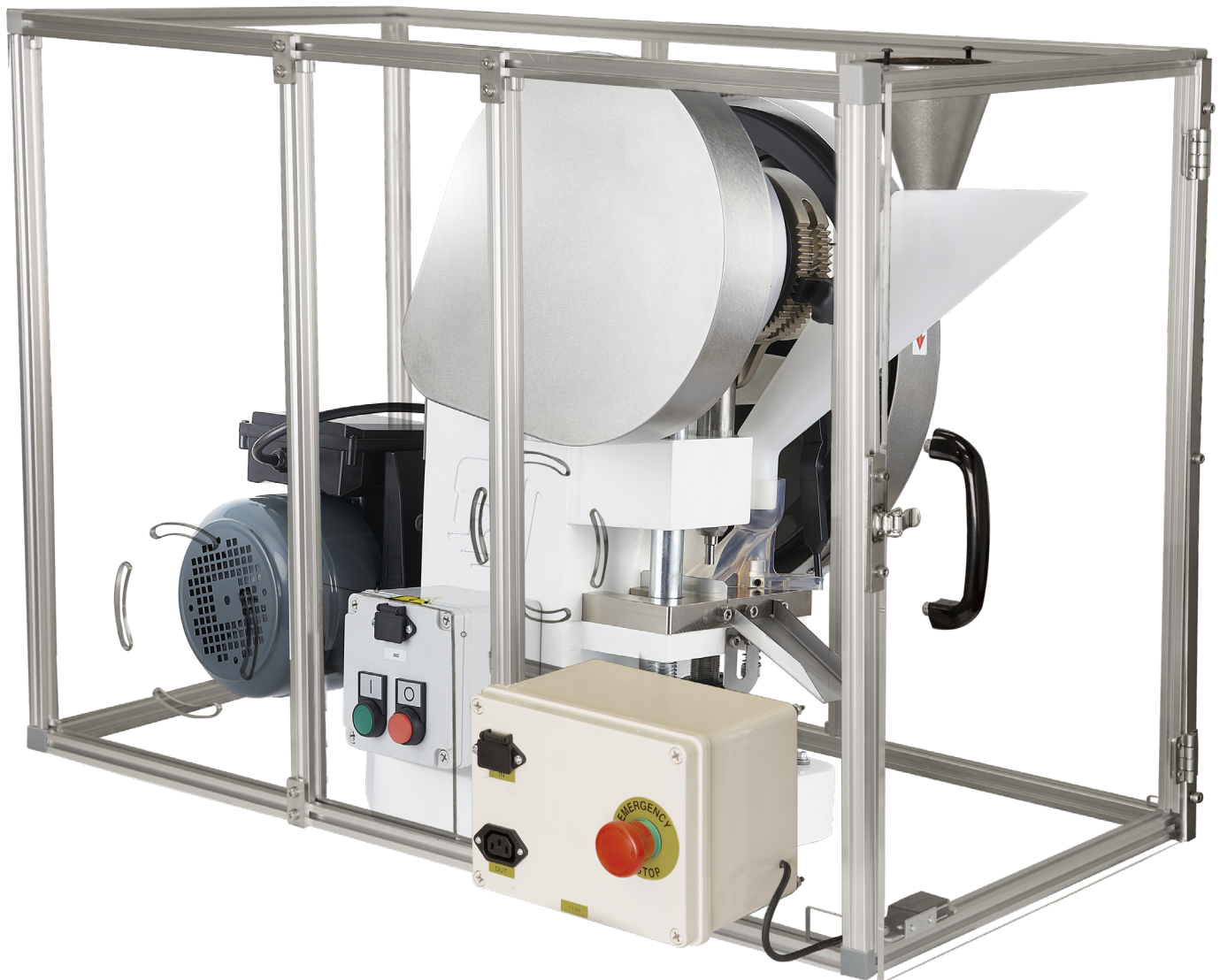






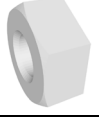





Table of Contents

Components and Tools	3
Assembly Instructions	10
Bottom Frame Assembly	10
Side Perspex Assembly	11
Top Frame Assembly	13
Top Frame-Bottom Frame Assembly	14
Electrical Box Assembly	16
Front Door Assembly	17
Front Door-Sensor Assembly	18
Hopper Assembly	18
Assemble Perspex Case with TDP 5®/TDP 6s®	19
Stabilizing Bracket Assembly	21
Perspex Case Exploded View	22
Perspex A Exploded View	23
Bottom Frame Exploded View	24
Top Frame Exploded View	25
Side and Front View of Perspex Case	26




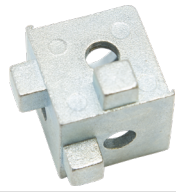
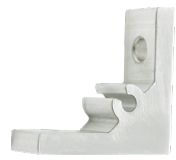


Components and Tools

Reference	Name	Quantity	Picture
Pieces			
A	#4 plain washer	9	
B	M5 plain washer	29	
C	M3 metric bolt - 6 mm	4	
D	M4 flathead bolt - 10 mm	8	
E	M4 metric bolt - 12 mm	5	
F	M4 metric bolt - 20 mm	4	
G	M4 hex nut	6	
H	M5 metric bolt - 10 mm	23	
I	M5 metric bolt - 15 mm	28	
J	M6 metric bolt - 12 mm	2	


Components and Tools

Reference	Name	Quantity	Picture
Tools			
	2 mm Allen key	Not included	
	2.5 mm Allen key	Not included	
	3 mm Allen key	Not included	
	4 mm Allen key	Not included	
	5 mm Allen key	Not included	
	Crosshead screwdriver	Not included	

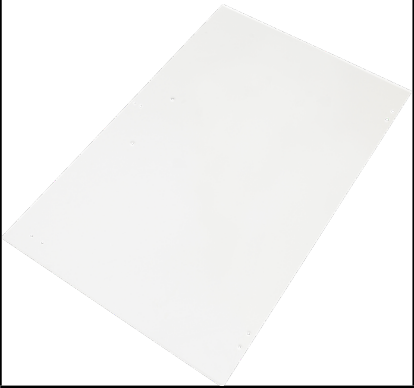
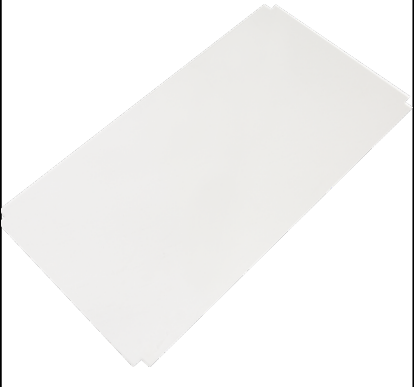
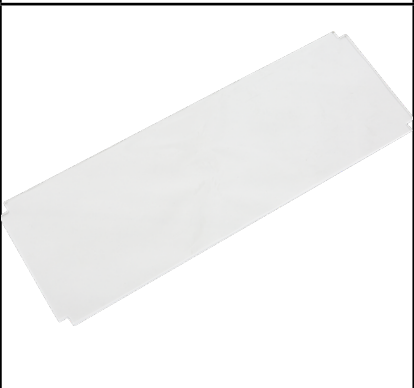
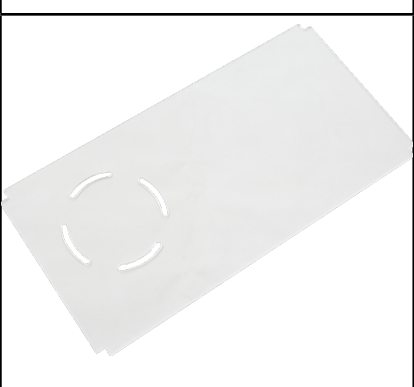
Components and Tools

Reference	Name	Quantity	Picture
Parts			
S frame	Aluminum Frame Small (415 mm length)	4	
L frame	Aluminum Frame Large (850 mm length)	4	
M frame	Aluminum Frame Medium (620 mm length)	8	
	Aluminum Frame Corner Bracket	8	
	Stabilizing Bracket	4	
	Electrical Box	1	
	Front Door Latch Frame	1	




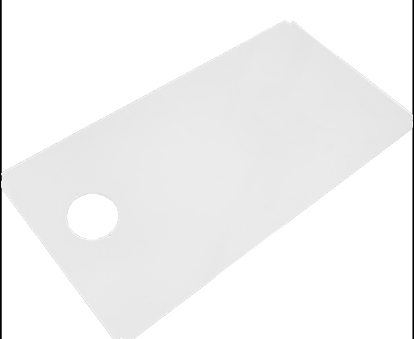
Components and Tools

Reference	Name	Quantity	Picture
Parts			
	Front Door Latch	1	
	Front Door Handle	1	
	Front Door Magnetic Switch and Magnet	1	
	Support Bar	2	
	Front Door Hinge Frame	1	
	Front Door Hinge	2	
	Hopper	1	



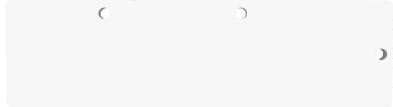
Components and Tools

Reference	Name	Quantity	Picture
Parts			
Perspex A	Perspex A (front door)	1	
Perspex B	Perspex B (first righthand panel)	1	
Perspex C	Perspex C (second righthand panel)	1	
Perspex D	Perspex D (third lefthand and righthand panels)	2	

Components and Tools

Reference	Name	Quantity	Picture
Parts			
Perspex E	Perspex E (back panel)	1	
Perspex F	Perspex F (Perspex Electrical Shield attached in photo) (second lefthand panel)	1	
Perspex G	Perspex G (first lefthand panel)	1	
Perspex H	Perspex H (top panel with hopper)	1	

Components and Tools

Reference	Name	Quantity	Picture
Parts			
	Aluminum Frame Joiner	8	
	Pre-Assembly Insertion Short Nut	27	
	Perspex Electrical Shield (secured on Perspex F)	1	

Assembly Instructions

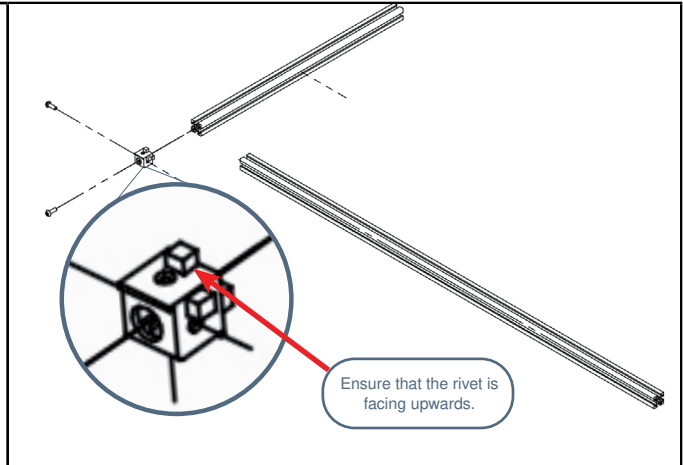
Bottom Frame Assembly

Step 1. Connect one **S frame** to one **L frame** with an **aluminum frame corner bracket** and **(2) x I bolts** to make one half of the bottom frame.

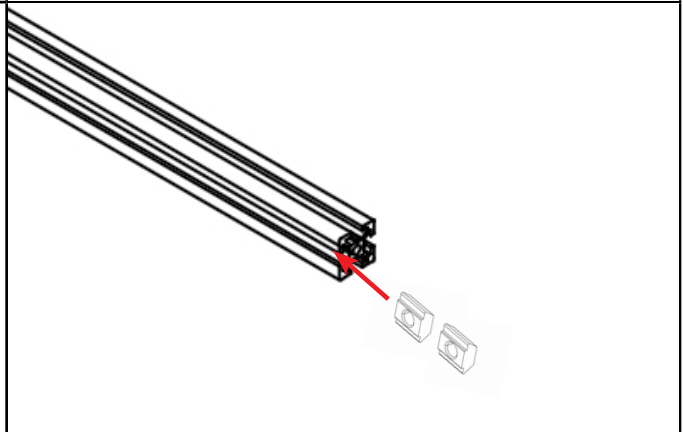
Step 2. Connect another **S frame** to another **L frame** with an **aluminum frame corner bracket** and **(2) x I bolts** to make the other half of the bottom frame.

Tool Required:

4 mm Allen key

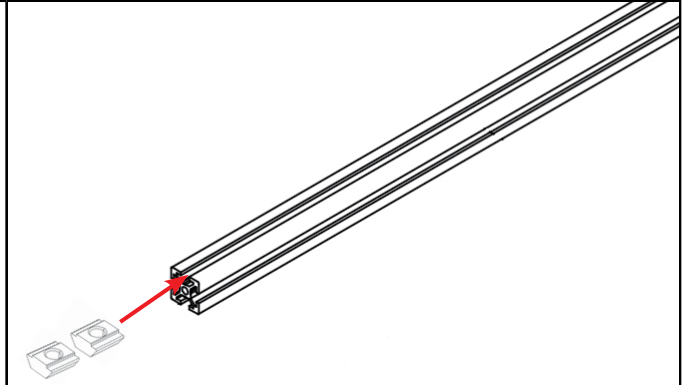


Step 3. Slide two **pre-assembly insertion short nuts** into the outer groove of each **L frame** (four nuts total).



Step 4. Slide two **pre-assembly insertion short nuts** into the top groove of one of the **S frames**.

Note: The **magnetic switch** for the front door will be attached to this **S frame**.



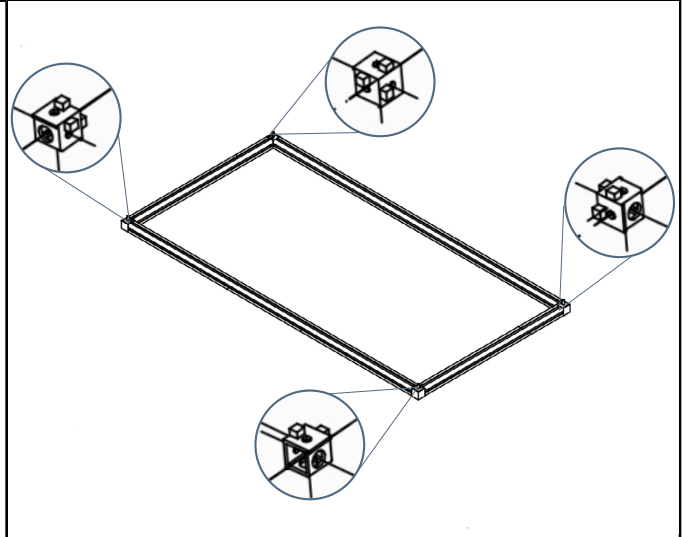
Step 5. Attach two **aluminum frame corner brackets** to the other ends of the **S frames** with **(2) x I bolts** to secure the **pre-assembly insertion short nuts** inside the aluminum frames.

Step 6. Connect one half of the bottom frame to the other half with **(2) x I bolts**.

Note: Please refer to the drawing on page 24 for a larger exploded view of the bottom frame.

Tool Required:

4 mm Allen key

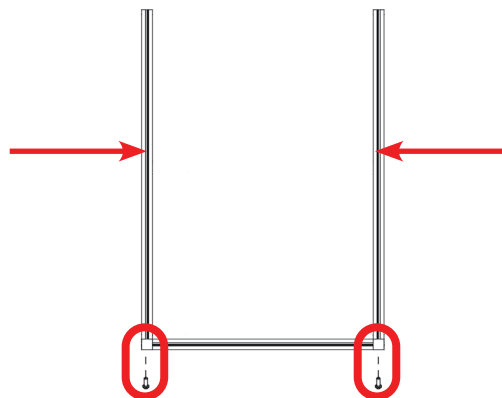


Side Perspex Assembly

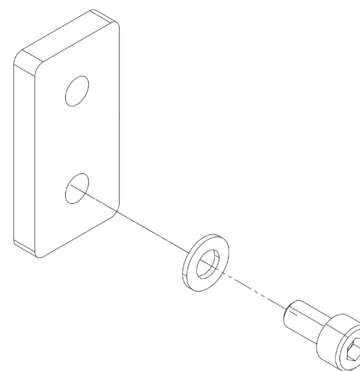
Step 7. Attach 4 **M frames** on each corner of the bottom frame by securing them to the **aluminum frame corner brackets** with **(4) x I bolts**.

Tool Required:

4 mm Allen key

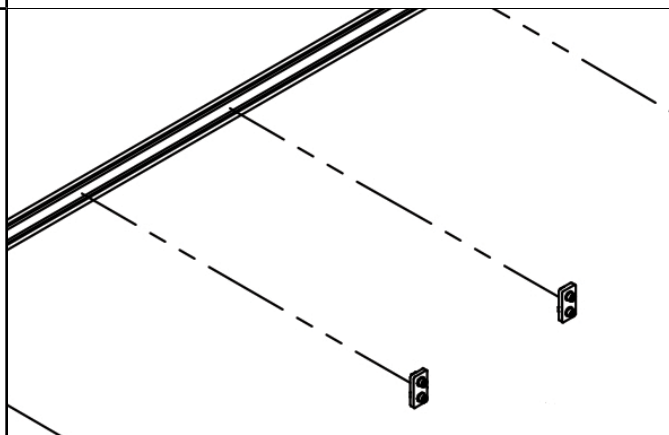


Step 8. Place **(1) x B washer** over **(1) x H bolt** and insert them into the bottom of an **aluminum frame joiner**.



Step 9. Loosely attach a **pre-assembly insertion short nut** onto the bottom **H bolt** inside one of the longer sides of the bottom frame.

Step 10. Repeat steps 8-9 until there are two **aluminum frame joiners** on both longer sides of the bottom frame (four in total).



Step 11. Insert **Perspex B** into the bottom frame.

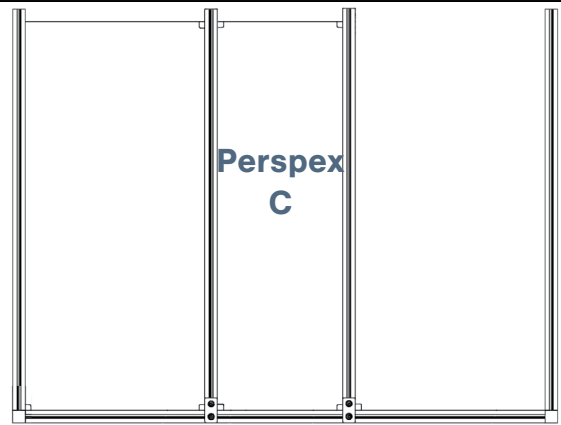
Step 12. Slide a **M frame** onto the side of **Perspex B** and connect it to the bottom frame by dropping an upper **pre-assembly insertion short nut** into the **M frame's** groove and securing it with another **B washer** and **H bolt** onto an **aluminum frame joiner**.



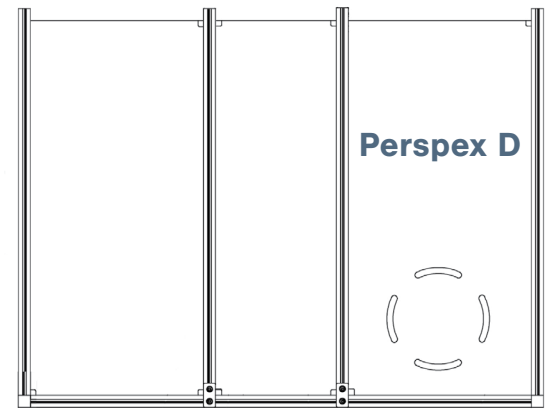
Side Perspex Assembly

Step 13. Insert **Perspex C** into the bottom frame and into the **M frame** on **Perspex B**.

Step 14. Slide another **M frame** onto the side of **Perspex C** and connect it to the bottom frame by dropping an upper **pre-assembly insertion short nut** into the **M frame's** groove and securing it with another **B washer** and **H bolt** onto an **aluminum frame joiner**.



Step 15. Insert **Perspex D** into the bottom frame and into the second **M frame** on **Perspex C**.



Step 16. Insert **Perspex G** into the other front side of the bottom frame, opposite of **Perspex B**.

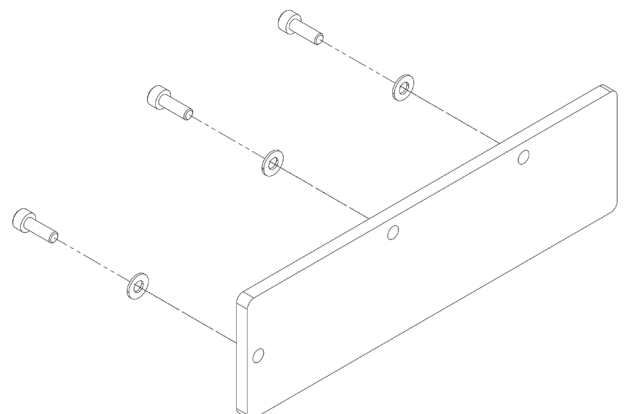
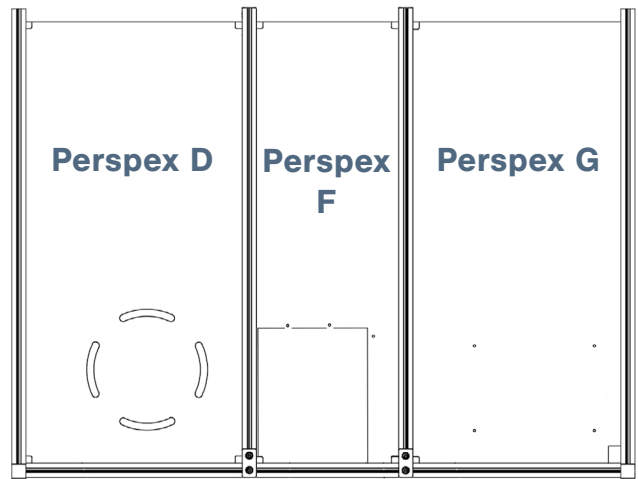
Step 17. Slide a **M frame** onto the side of **Perspex G** and connect it to the bottom frame by dropping an upper **pre-assembly insertion short nut** into the **M frame's** groove and securing it with another **B washer** and **H bolt** onto an **aluminum frame joiner**.

Step 18. Insert and secure **Perspex F**, the last **M frame**, and the other **Perspex D** into the bottom frame with another **pre-assembly insertion short nut**, **B washer**, and **H bolt** onto the **aluminum frame joiner**.

Step 19. Fully tighten all **H bolts** in the all of the **aluminum frame joiners** on both sides.

Note: If the Perspex case is to enclose a TDP 5®, attach the **Perspex Electrical Shield** to **Perspex F** with **(3) x A washers** and **(3) x E bolts**.

Tool Required:
3 mm Allen key



Top Frame Assembly

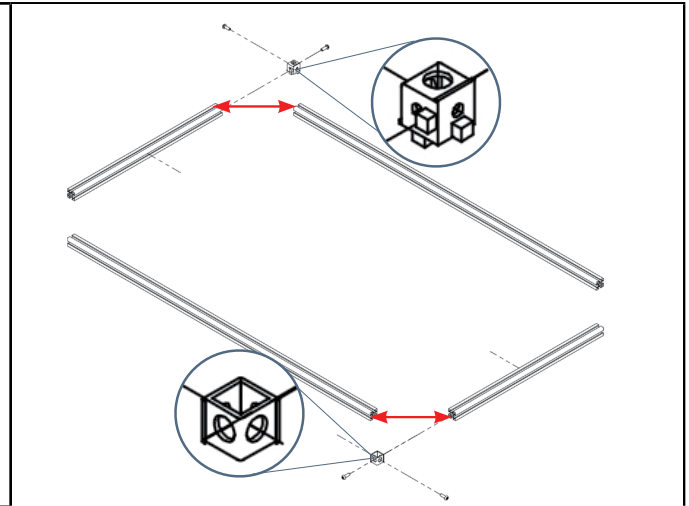
Step 20. Connect one **S frame** to one **L frame** with an **aluminum frame corner bracket** and **(2) x I bolts**.

Step 21. Connect the other **S frame** to the other **L frame** with an **aluminum frame corner bracket** and **(2) x I bolts**.

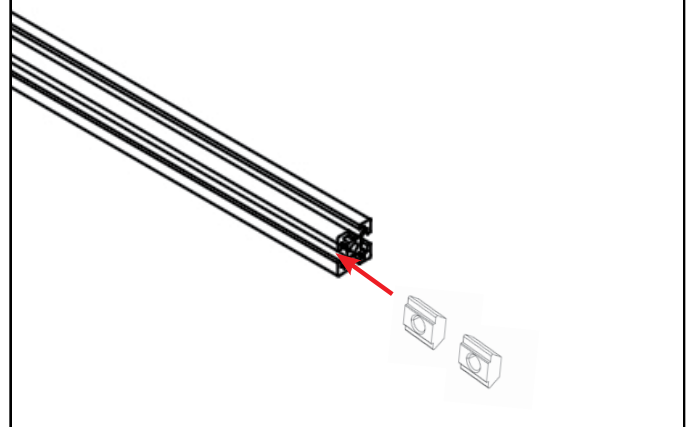
Note: Please refer to the drawing on page 25 for a larger exploded view of the top frame.

Tool Required:

4 mm Allen key



Step 22. Slide two **pre-assembly insertion short nuts** into the outer groove of each **L frame** (four nuts total).

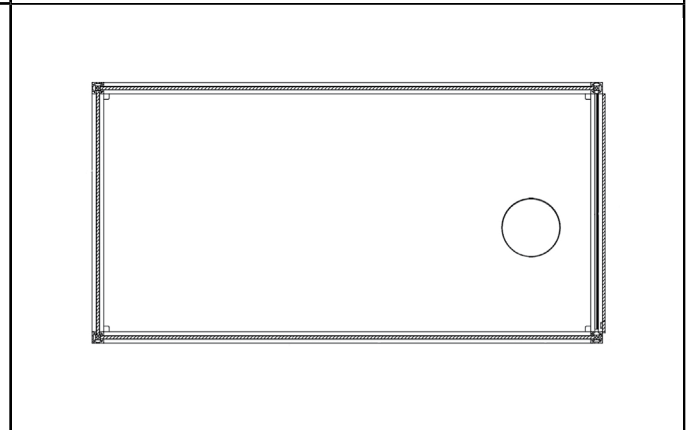


Step 23. Attach two **aluminum frame corner brackets** to the other ends of the **L frames** with **(2) x I bolts** to secure the **pre-assembly insertion short nuts** inside the **L frames**.

Step 24. Insert **Perspex H** into both halves of the top frame.

Tool Required:

4 mm Allen key

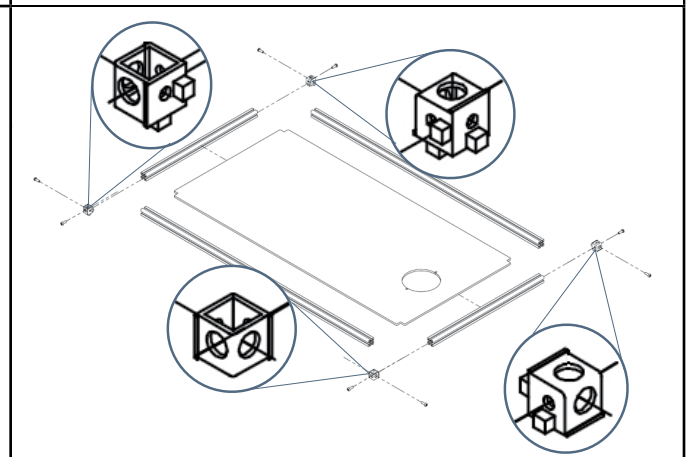


Step 25. Connect one half of the top frame to the other half with **(2) x I bolts**.

Note: Image shows configuration for all four **aluminum frame corner brackets**.

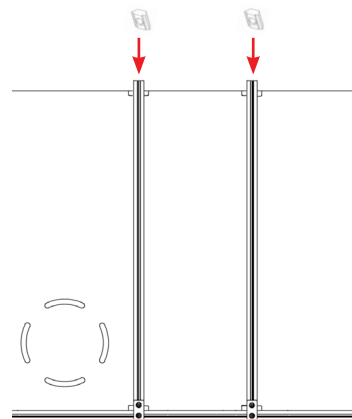
Tool Required:

4 mm Allen key

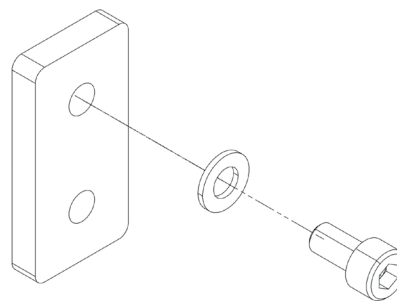


Top Frame-Bottom Frame Assembly

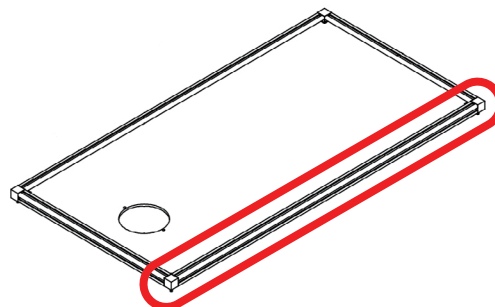
Step 26. Insert one **pre-assembly insertion short nut** into each **M frame** with a bottom **aluminum frame joiner** on both sides (four nuts total).



Step 27. Place **(1) x B washer** over **(1) x H bolt** and insert them into the top of an **aluminum frame joiner**.

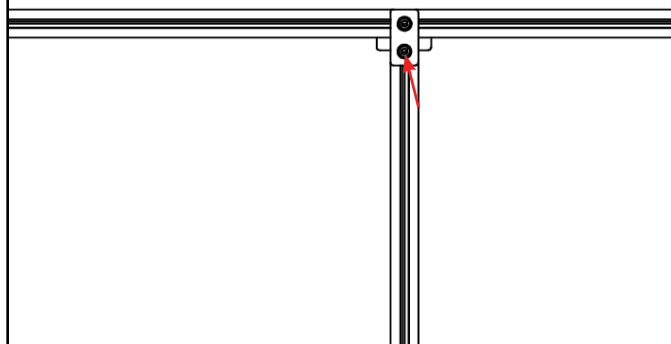


Step 28. Loosely tighten the upper **H bolt** into one of the **pre-assembly insertion short nuts** inside the groove of the top frame's longer side.



Step 29. Loosely attach the lower **H Bolt** on the **aluminum frame joiner** to a **pre-assembly insertion short nut** that was inserted into the **M frames** in step 26.

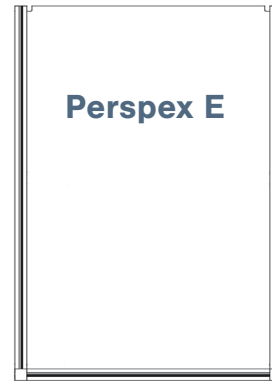
Step 30. Repeat steps 27-29 until there are 2 **aluminum frame joiners** on both longer sides of the top frame (four in total). Ensure to fully tighten all **H bolts** in the **aluminum frame joiners**.



Top Frame-Bottom Frame Assembly

Step 31. Insert the remaining **Perspex E** into the bottom frame.

Note: **Perspex E** is the back of the Perspex case. Insert it into the bottom frame's **S frame** **WITHOUT** the two pre-assembly insertion **short nuts** that are for the **front door magnetic switch**. The **Perspex D** panels should be on either side of **Perspex E**.

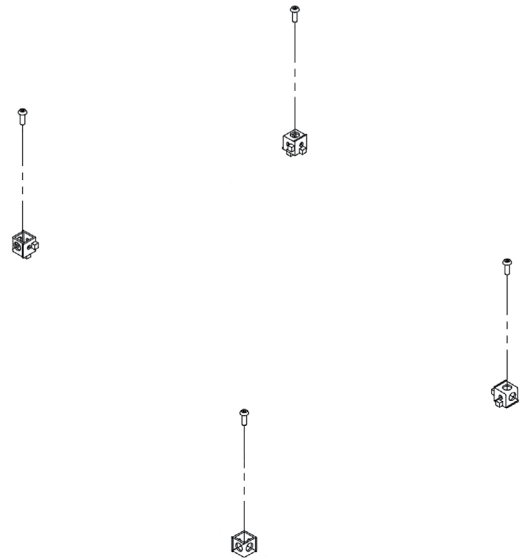


Step 32. Place the top frame onto the bottom frame and Perspex panels and secure it to the four outermost **M frames' aluminum frame corner brackets** with (4) x I bolts.

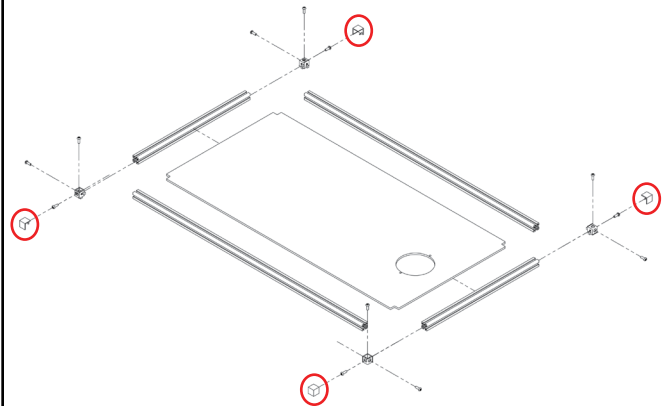
Note: The hopper hole in **Perspex H** should be at the opposite end of **Perspex E**, towards the front.

Please refer to the drawing on page 25 for a larger exploded view of the top frame.

Tool Required:
4 mm Allen key



Step 33. Insert the covers over each of the **aluminum frame corner brackets** on the top frame.



Electrical Box Assembly

Step 34. Detach the **electrical box's** cover by loosening its four screws.

Tool Required:

Crosshead screwdriver



Step 35. Drop **(4) x F bolts** into each corner hole of the **electrical box**, threaded sides down.

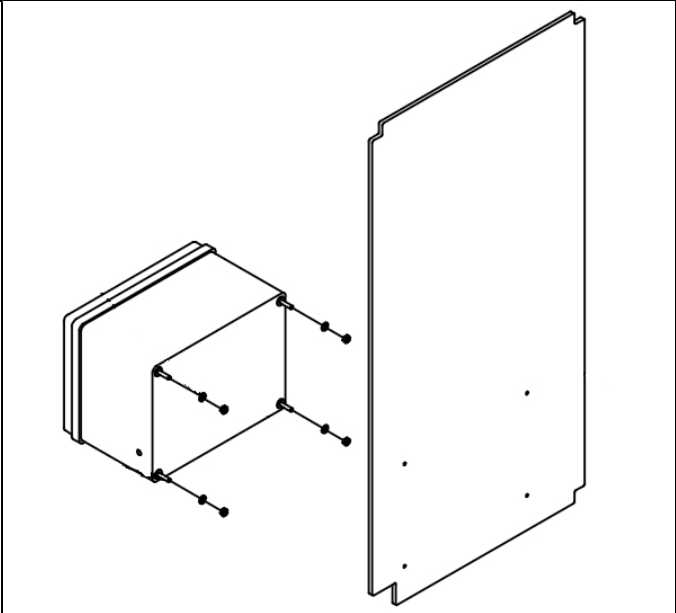
Step 36. Insert a 3 mm Allen key into a corner hole until it engages with the **F bolt**. Attach the **electrical box** to **Perspex G** by screwing in each **F bolt** from the inside of the **electrical box**. Reattach the **electrical box's** cover.

Step 37. Insert **(4) x A washers** and **(4) x G nuts** onto the **F bolts** from the inside of **Perspex G**.

Tool Required:

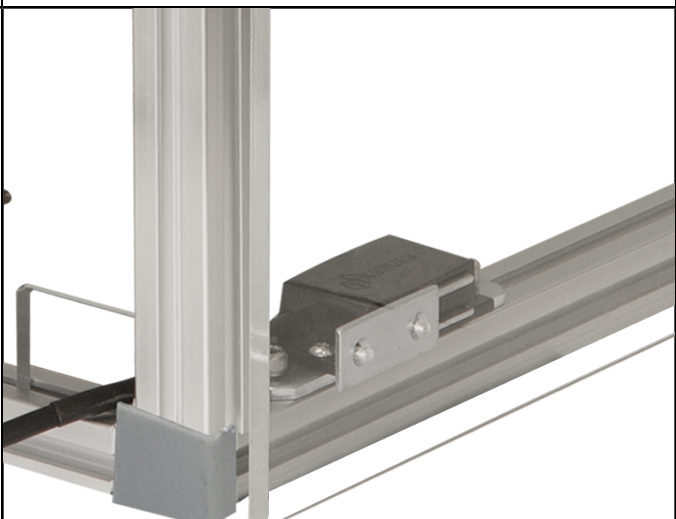
3 mm Allen key

Crosshead screwdriver



Step 38. Attach the **front door magnetic switch** into the two **pre-assembly insertion nuts** in the front of the bottom frame with **(2) x H bolts**.

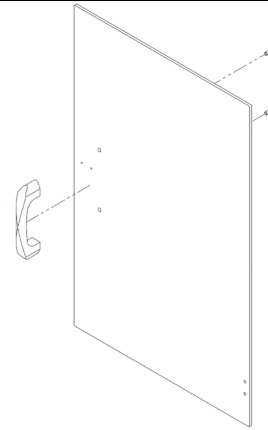
Note: The photo shows the front Perspex door attached to the case. The **front door magnetic switch** should be in the left corner of the bottom frame.



Front Door Assembly

Step 39. Attach the **front door handle** to **Perspex A** with **(2) x J bolts**.

Tool Required:
5 mm Allen key

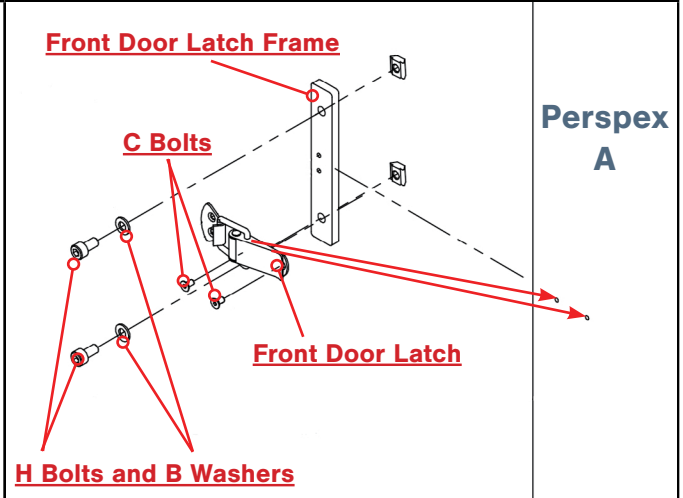


Step 40. Attach the **front door latch** to **Perspex A** with **(2) x C bolts**.

Step 41. Insert **(2) x H bolts** and **(2) x B washers** into the **front door latch frame** and attach 2 **pre-assembly insertion short nuts** to the **H bolts** and set aside.

Note: Please refer to the drawing on page 23 for a larger exploded view of **Perspex A**.

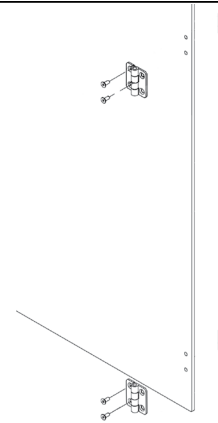
Tool Required:
2 mm Allen key



Step 42. Attach the left half of a **front door hinge** to the upper righthand side of **Perspex A** and a **hinge support bar** with **(2) x D bolts**.

Step 43. Attach the left half of the other **front door hinge** to the lower righthand side of **Perspex A** and a **hinge support bar** with **(2) x D bolts**.

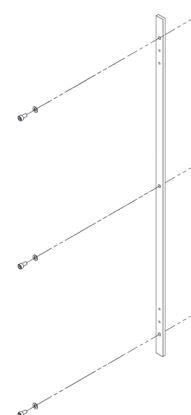
Tool Required:
2.5 mm Allen key



Step 44. Attach **(3) x H bolts** and **(3) x B washers** to the **front door hinge frame**.

Step 45. Attach 3 **pre-assembly insertion short nuts** to the **H bolts**

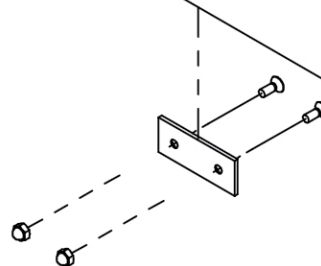
Step 46. Slide the **front door hinge frame** down into the front righthand **M frame**.



Front Door-Sensor Assembly

Step 47. Secure the magnet on the inside of **Perspex A** with **(2) x C bolts**.

Tool Required:
Crosshead screwdriver

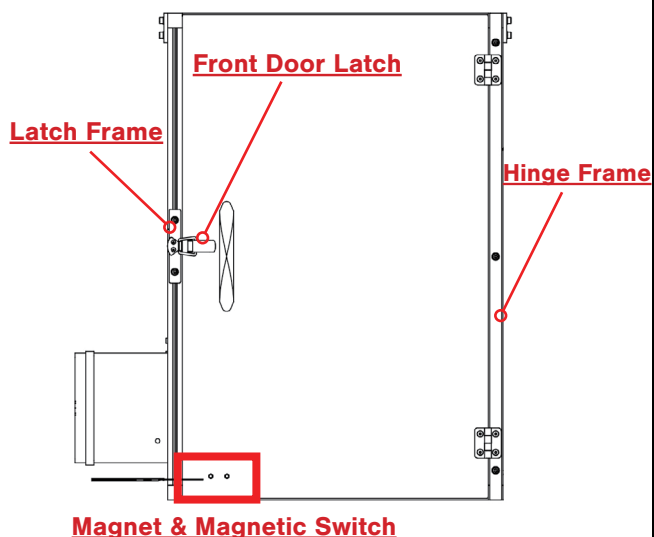


Step 48. Attach the hinges on **Perspex A** to the **front door hinge frame** using **(4) x D bolts**.

Step 49. Adjust the **front door latch frame** until the latch can be secured to it and fully tighten the **H bolts** on the **front door latch frame**.

Note: Ensure that the magnet attached inside **Perspex A** is aligned with the **front door magnetic switch**. Fully tighten the **H bolts** on the **front door magnetic switch** when it is correctly aligned.

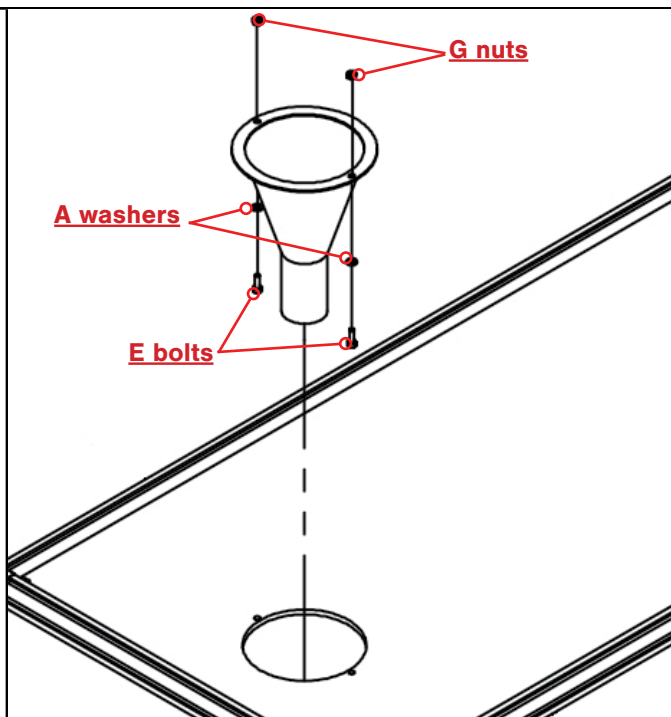
Tool Required:
2.5 mm Allen key



Hopper Assembly

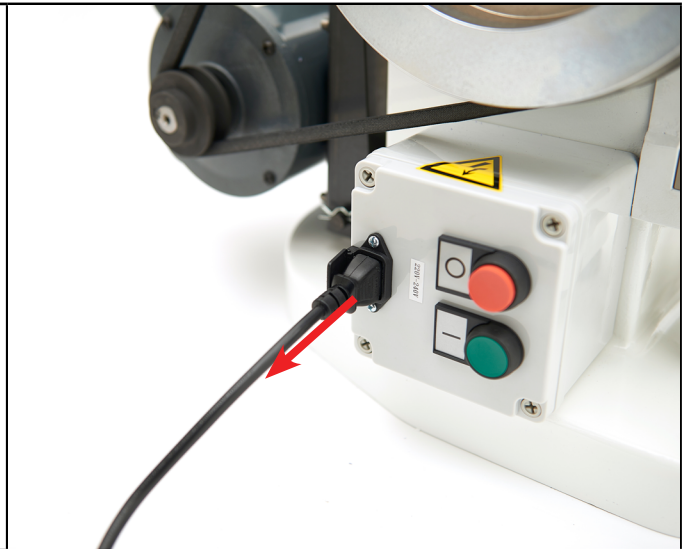
Step 50. Insert the **Hopper** into the top of **Perspex H** and secure it with **(2) x E bolts** and **(2) x A washers** from the inside of **Perspex H**, and insert **(2) x G nuts** on top of the **E bolts** and the **Hopper**.

Tool Required:
3 mm Allen key



Assemble Perspex Case with TDP 5[®]/TDP 6s[®]

Step 51. Remove the electrical plug from the electrical box of the TDP 5[®] or TDP 6s[®].



Step 52. Carefully lift the assembled Perspex case and place it over the TDP 5[®] or TDP 6s[®].

Note: Ensure to align the Perspex hopper so that it can be inserted into the TDP 5[®] or TDP 6s[®] hopper.

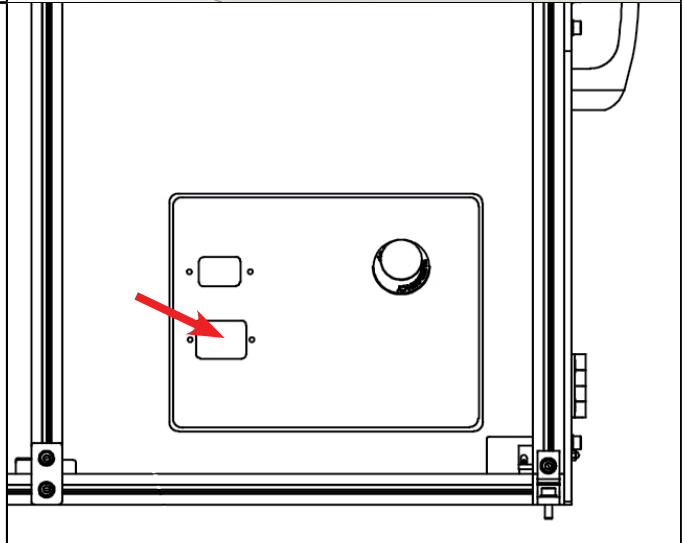


Assemble Perspex Case with TDP 5®/TDP 6s®

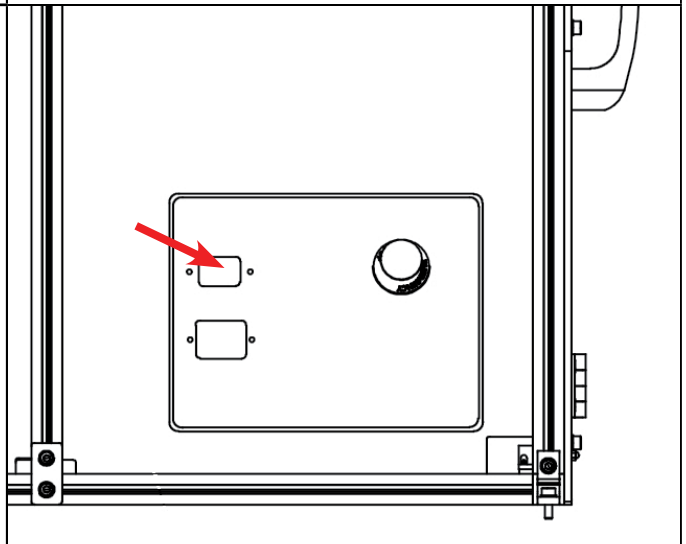
Step 53. Connect the **power cord** that came with the Perspex case into the TDP 5® or TDP 6s® electrical box.



Step 54. Connect the other end of the power cord into the outlet labeled "OUT" on the Perspex case's **electrical box**.



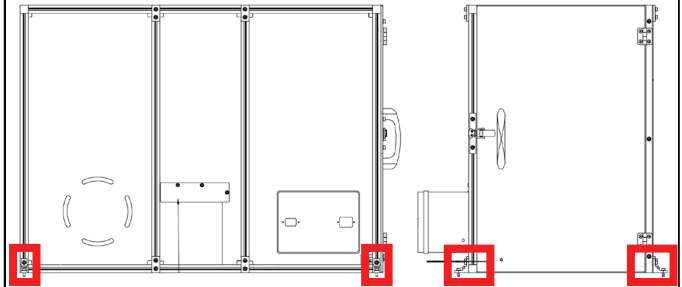
Step 55. Connect the power cord that was previously plugged into the TDP 5® or TDP 6s® into the outlet labeled "IN" on the Perspex case's **electrical box**.



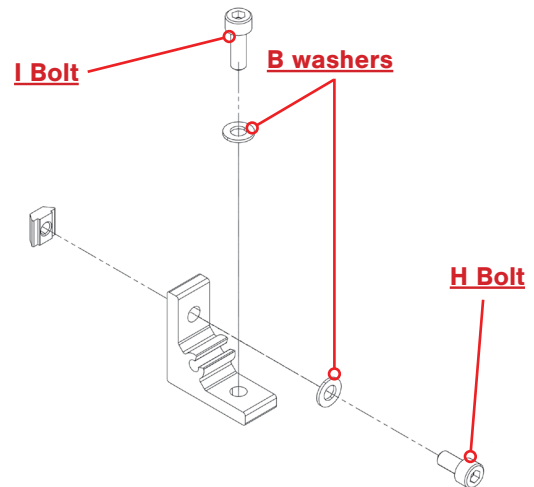
Stabilizing Bracket Assembly

If desired, four **stabilizing brackets** may be installed on each bottom corner of the Perspex case and onto the workspace surface.

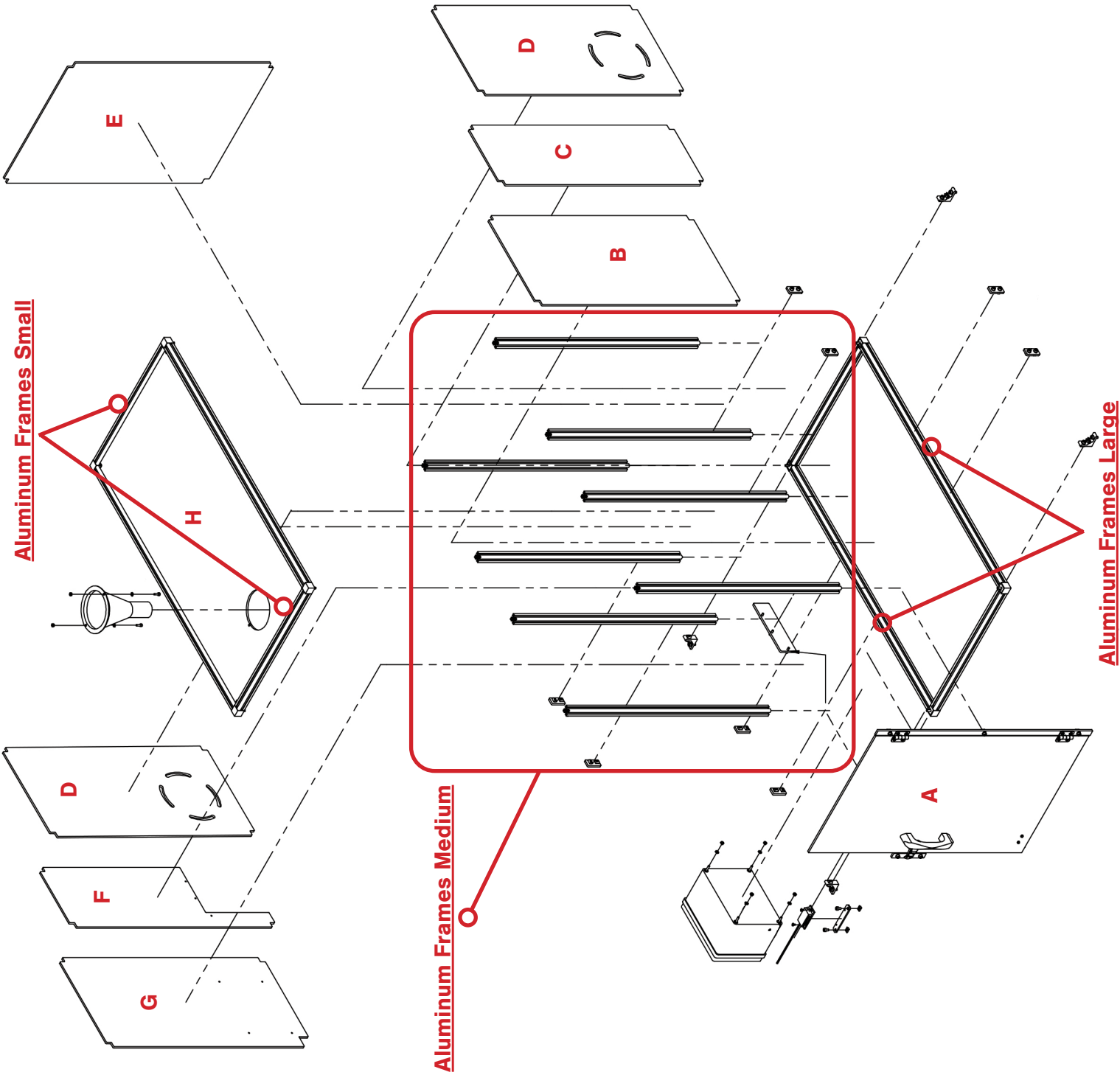
Please refer to page 26 for a more detailed view of the Perspex case's side and front view.



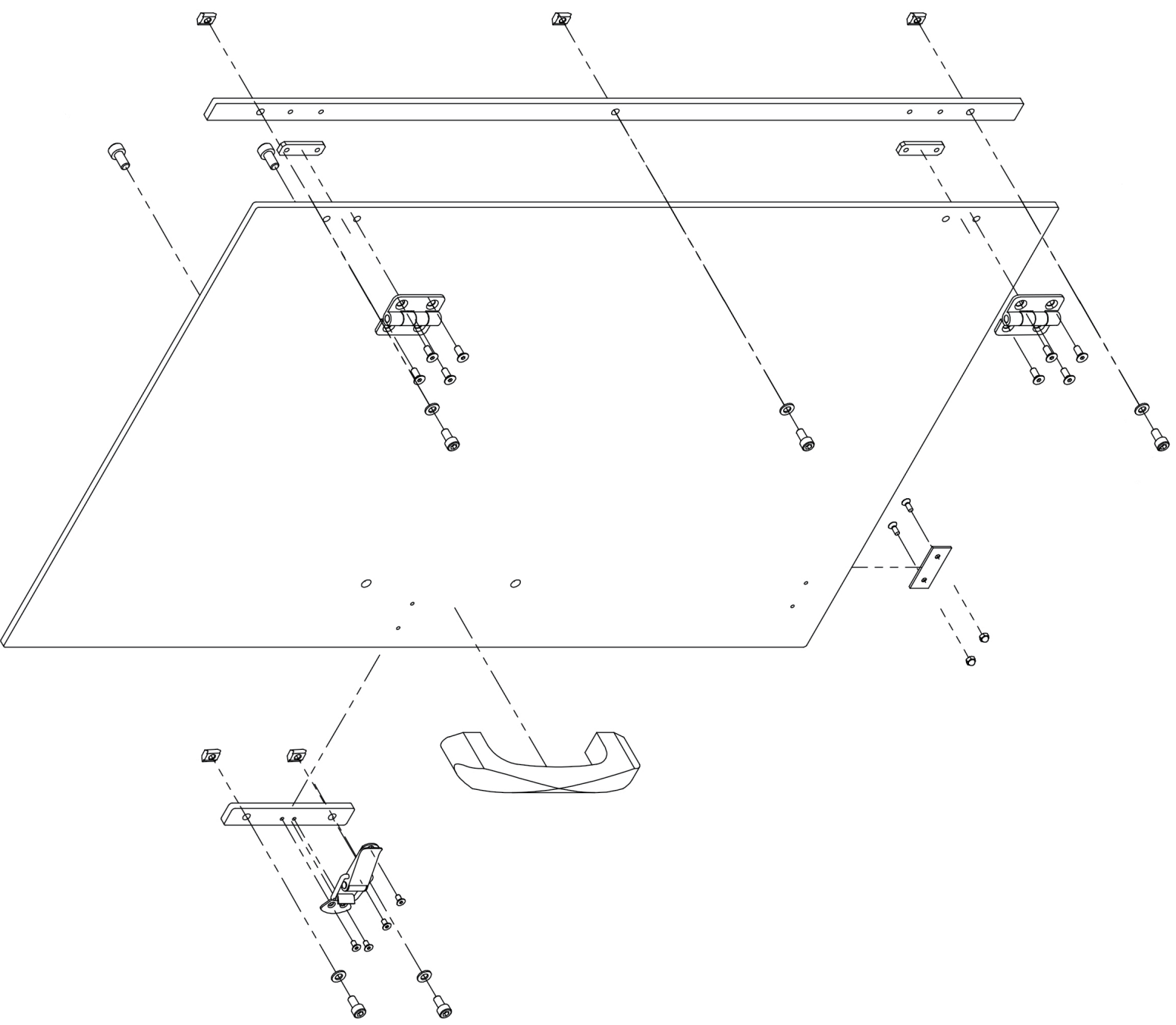
Each **stabilizing bracket** requires (1) x **H bolt**, (1) x **I bolt**, (2) x **B washers**, and a **pre-assembly insertion short nut**.



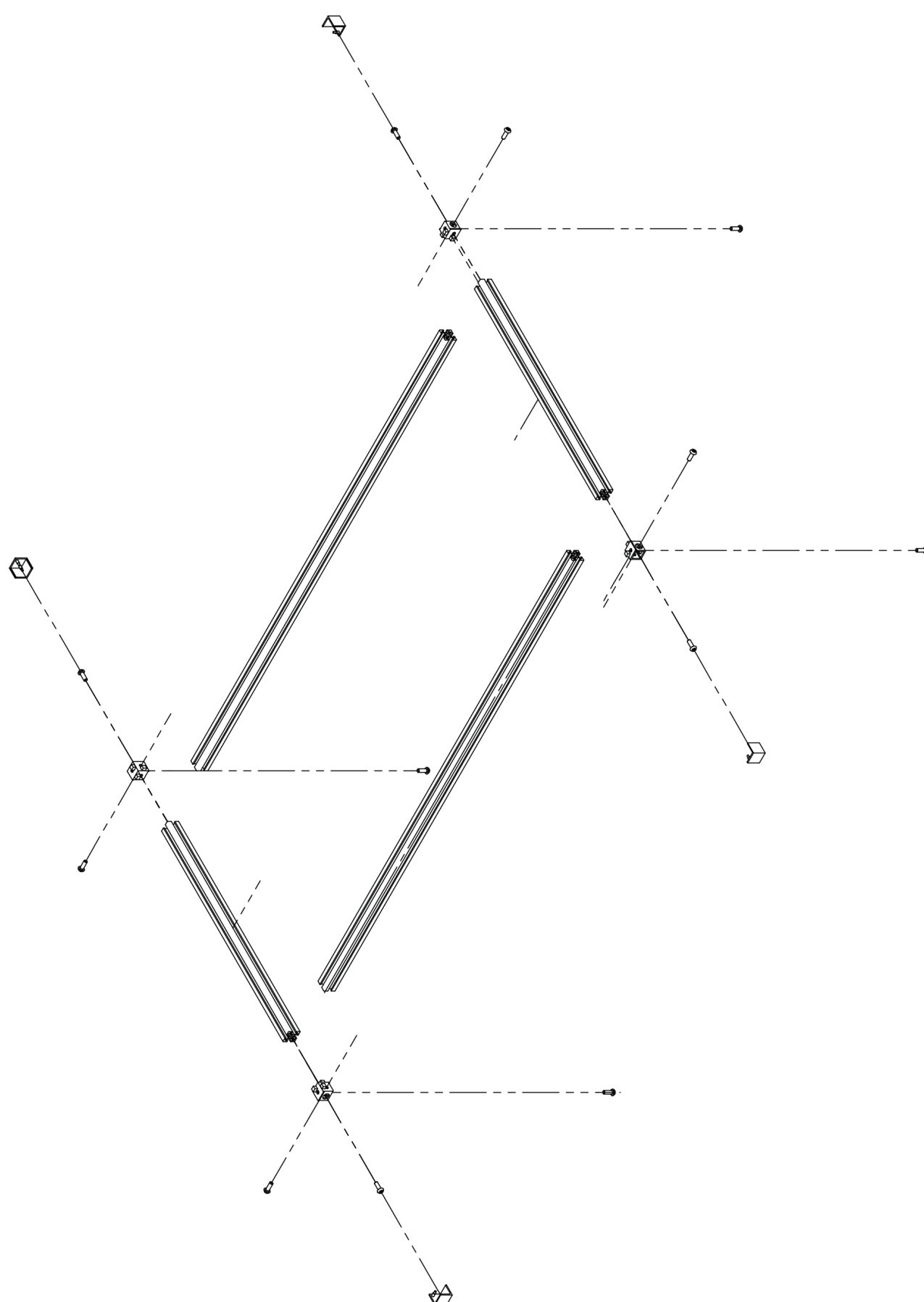
Perspex Case Exploded View



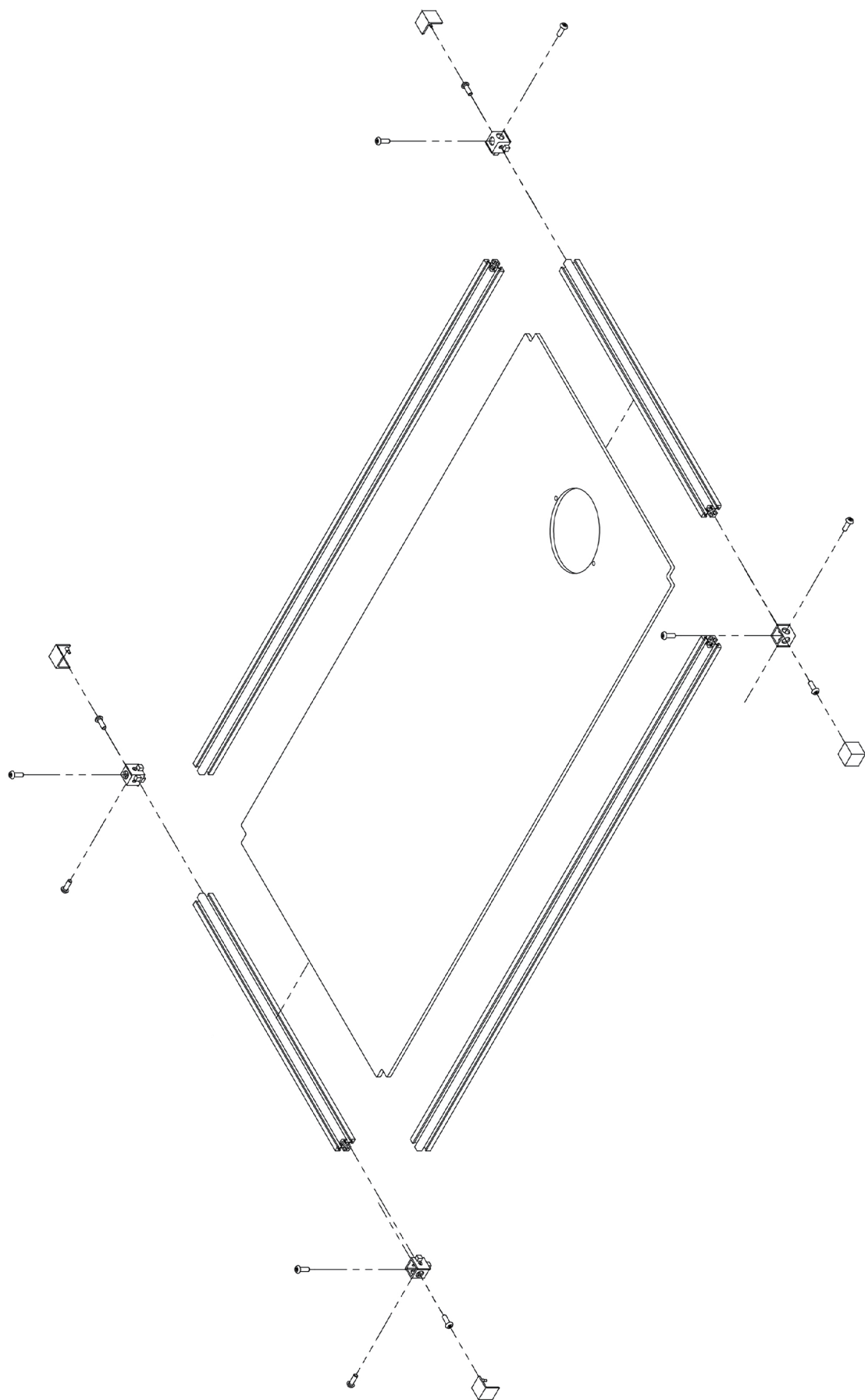
Perspex A Exploded View



Bottom Frame Exploded View



Top Frame Exploded View



Side and Front View of Perspex Case

