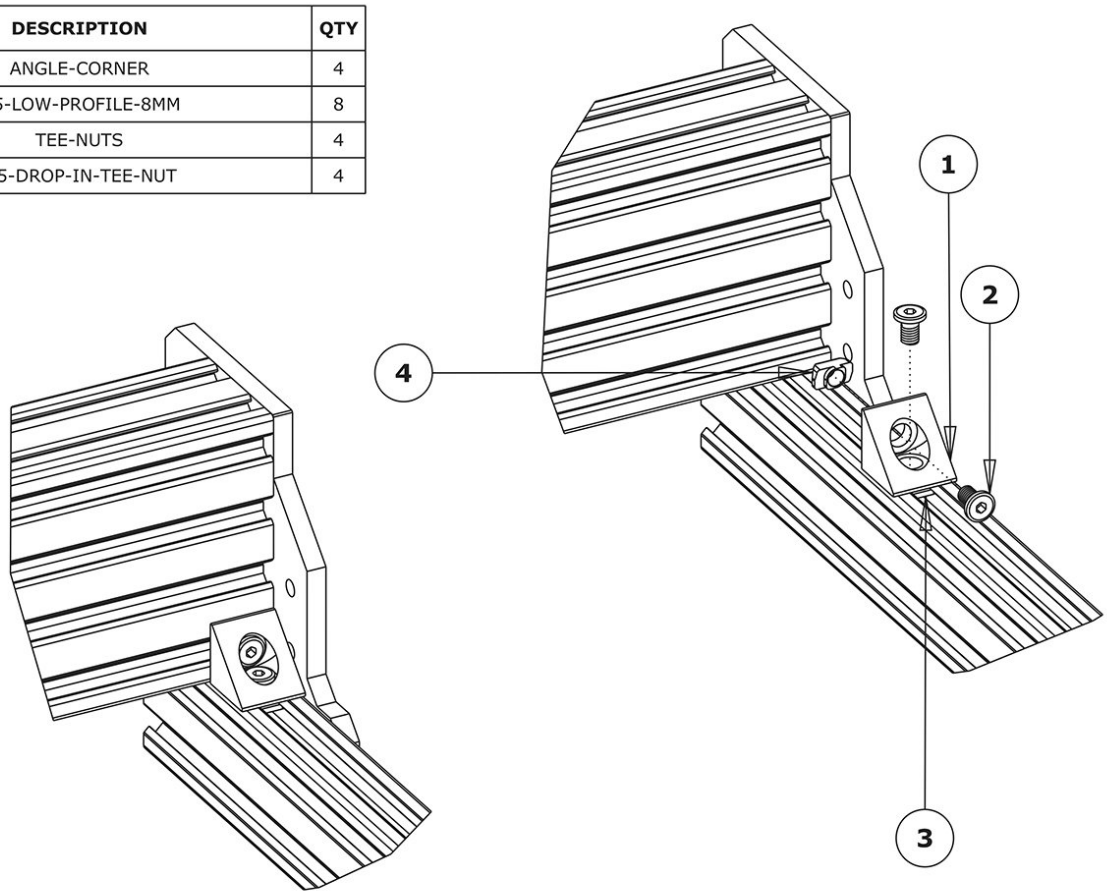
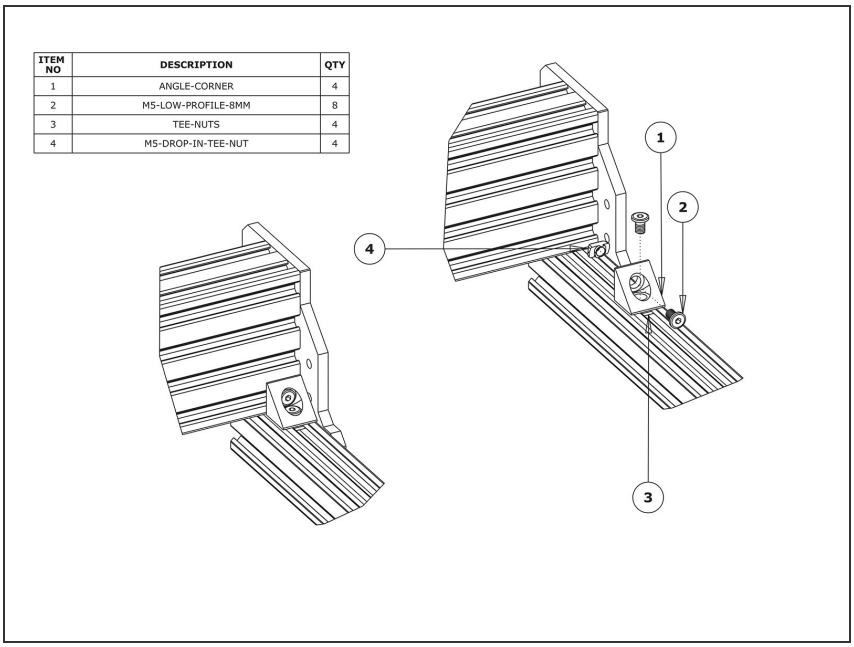
7. Spoiler Board Support Extrusions - Method 2

Written By: Harry Ince

ITEM NO	DESCRIPTION	QTY
1	ANGLE-CORNER	4
2	M5-LOW-PROFILE-8MM	8
3	TEE-NUTS	4
4	M5-DROP-IN-TEE-NUT	4

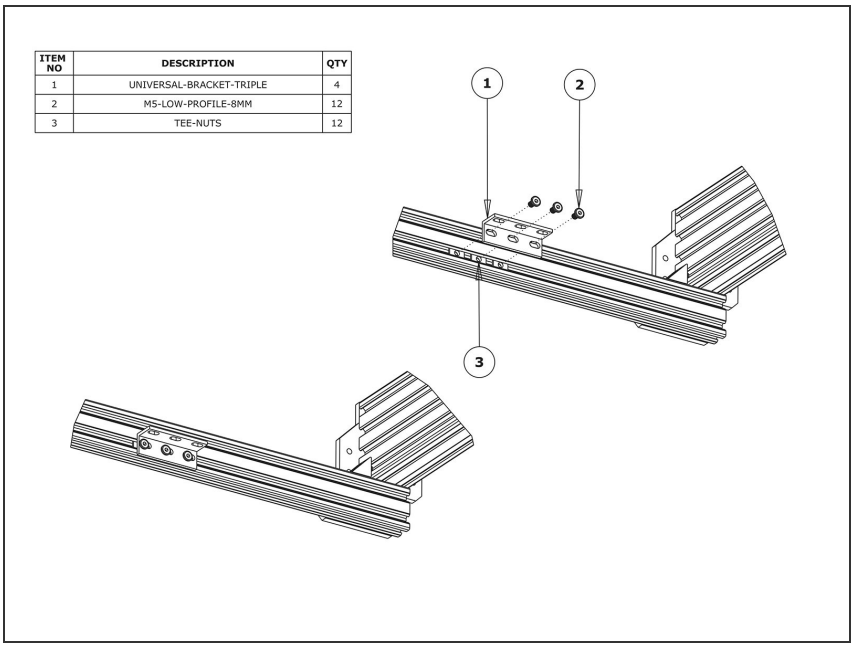


Step 1 — Angle Corners



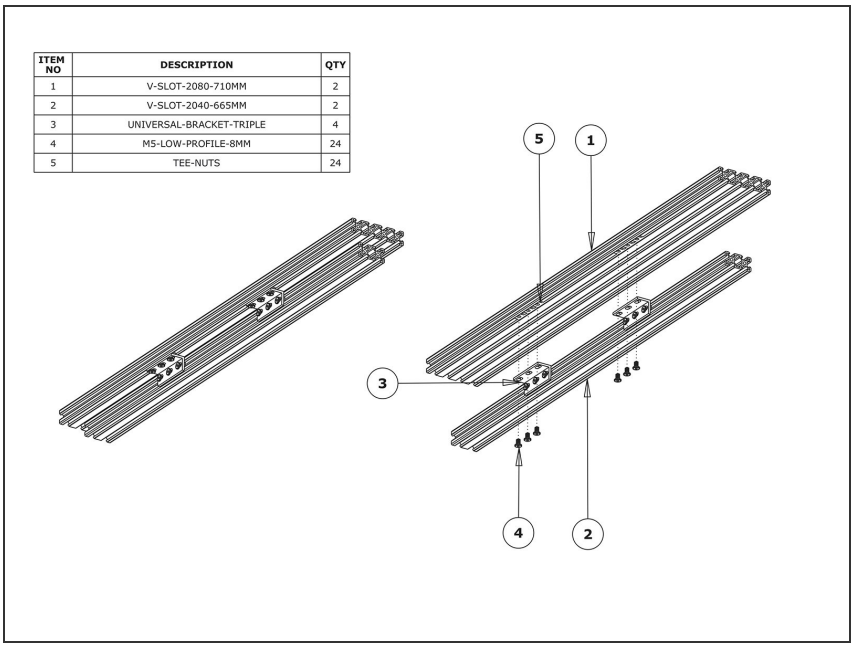
- Attach one side of an Angle Corner to the inside face of the right hand C-Beam 750mm using a M5-Low-Profile-8mm bolt and a M5-Drop-In-Tee-Nut. Attach the other side to the V-Slot-2040-745mm using a M5-Low-Profile-8mm bolt and a Tee-Nut that can be inserted from the end of the V-Slot-2040-745mm.
  - Secure the Angle-Corner tightly in the corner between the C-Beam-750mm and V-Slot-2040-665mm while the machine is held square.
  - Repeat for the other 3 corner joints between the C-Beam-750mm and V-Slot 2040-745mm rails.

Step 2 — Spoiler Board Support Brackets



- Insert 3 x Tee-Nuts into the bottom slot of the V-Slot-2040-745mm.
- With a Universal-Bracket-Triple in hand, notice that the holes down one side are not the same distance away from the corner edge as the holes on the other side. The side with the holes closest to the corner edge should go against the V-Slot-2040-745mm.
  - With the bottom edge of the Universal-Bracket-Triple flush with the bottom of the V-Slot-2040-745mm, secure it using 3 x M5-Low-Profile-8mm’s to the Tee-nuts in Step A.
- If you have a machine with a 750mm X-Axis, repeat this so there is 2 x Universal-L-Bracket-Triples front and back, at 209mm spacing.
  - 3 x Universal-L-Bracket-Triples front and back, at 219mm spacing for a 1000mm X-Axis.
  - 4 x Universal-L-Brackets front and back, at 275mm spacing for a 1500mm X-Axis.

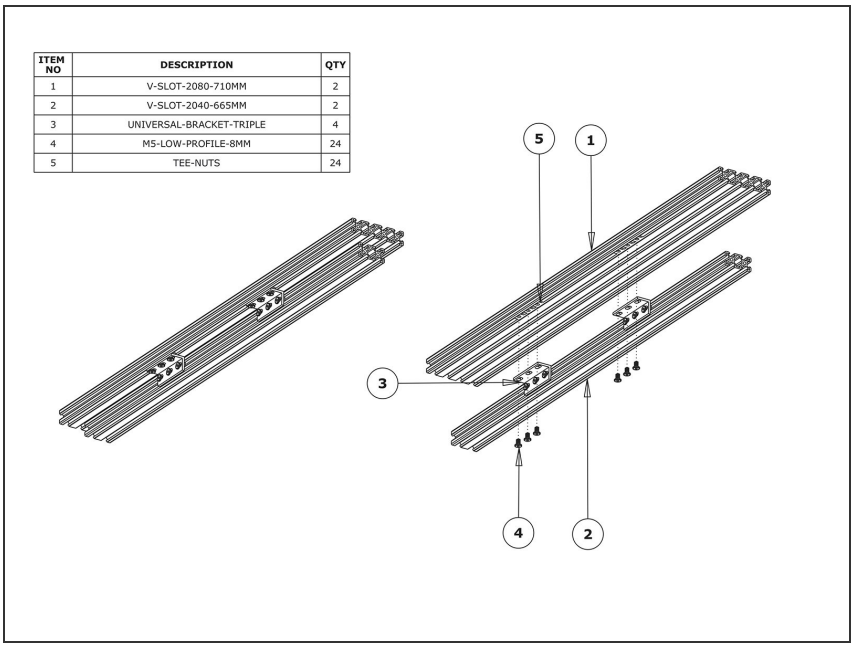
Step 3 — Spoiler Board Support Assembly



ITEM NO	DESCRIPTION	QTY
1	V-SLOT-2080-710MM	2
2	V-SLOT-2040-665MM	2
3	UNIVERSAL-BRACKET-TRIPLE	4
4	M5-LOW-PROFILE-8MM	24
5	TEE-NUTS	24

- Insert 6 x Tee-Nuts into the left facing slot of the V-Slot-2040-665mm.
- With a Universal-Bracket-Triple in hand, notice that the holes down one side are not the same distance away from the corner edge as the holes on the other side. The side with the holes closest to the corner edge should go against the V-Slot-2040-665mm.
  - With the bottom edge of the Universal-Bracket-Triple flush with the bottom of the V-Slot-2040-665mm, secure it using 3 x M5-Low-Profile-8mm’s. There should be 182mm between the Universal-Bracket-Triple and the end of the V-Slot-2040-665mm.
  - Attach another Universal-Bracket-Triple, 182mm away from the other end.

Step 4 — Spoiler Board Support Assembly

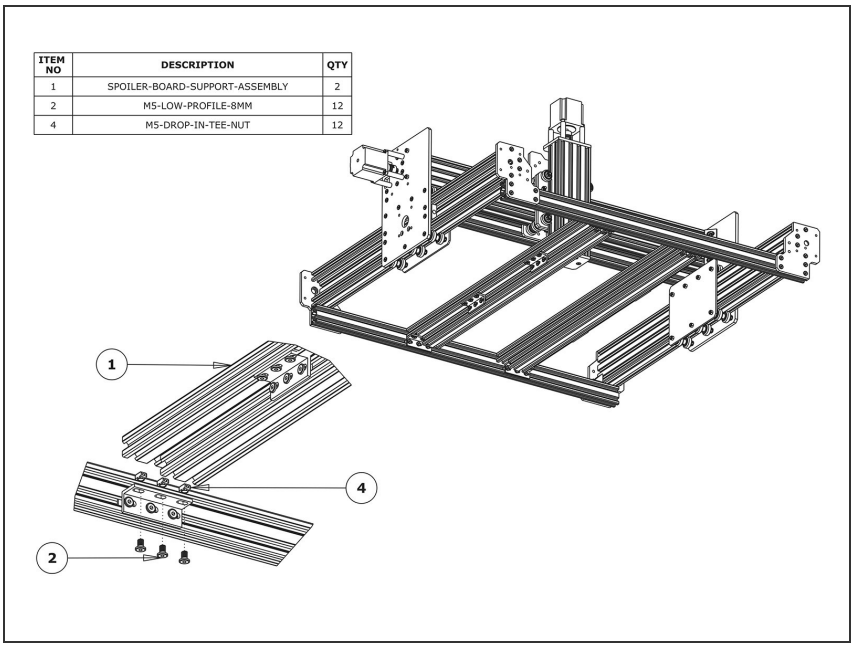


ITEM NO	DESCRIPTION	QTY
1	V-SLOT-2080-710MM	2
2	V-SLOT-2040-665MM	2
3	UNIVERSAL-BRACKET-TRIPLE	4
4	M5-LOW-PROFILE-8MM	24
5	TEE-NUTS	24

- Insert 6 x Tee-Nuts into the furthest left bottom facing slot of the V-Slot-2080- 710mm.
- Attach the other side of the Universal-Bracket-Triples in Step 3 along with the V-Slot 2040-665mm to the V-Slot-2080-710mm using 6 x M5-Low-Profile-8mm's.
  - ⓘ Center the V-Slot-2040-665mm on the V-Slot-2080-710mm extrusion
- Repeat Step 3 and the above for the other V-Slot-2040-665mm and V-Slot-2080-710mm.

⚠ This step and previous step only need to be carried out twice for all X-Axis sizes.

Step 5 — Attaching Spoiler Board Supports



- Through all three holes on each Universal-Bracket-Triple attached in Step 2, attach a M5-Low-Profile-8mm bolt with a slightly screwed M5-Drop-In-Tee-Nut on the end.
  - Bring the Spoiler-Board-Support-Assemblies down onto the central two sets of Universal-Bracket-Triples aligning the M5-Drop-In-Tee-Nuts with the slots. Tighten the M5- Low-Profile-8mm's to secure the Spoiler-Board-Support-Assemblies.

ⓘ If you have an X-Axis with a 750mm X-Axis, the assemblies in Steps 3 and 4 will take up all Universal-L-Bracket-Triple sets.

- For a 1000mm X-Axis there will be one set left empty, attach the left over V-Slot-2080 to this set.
- For a 1500mm X-Axis there will be two outer sets left empty, attach the two left over V-Slot-2080's to these sets.

Thanks for following the guide. Any issues, please contact us!