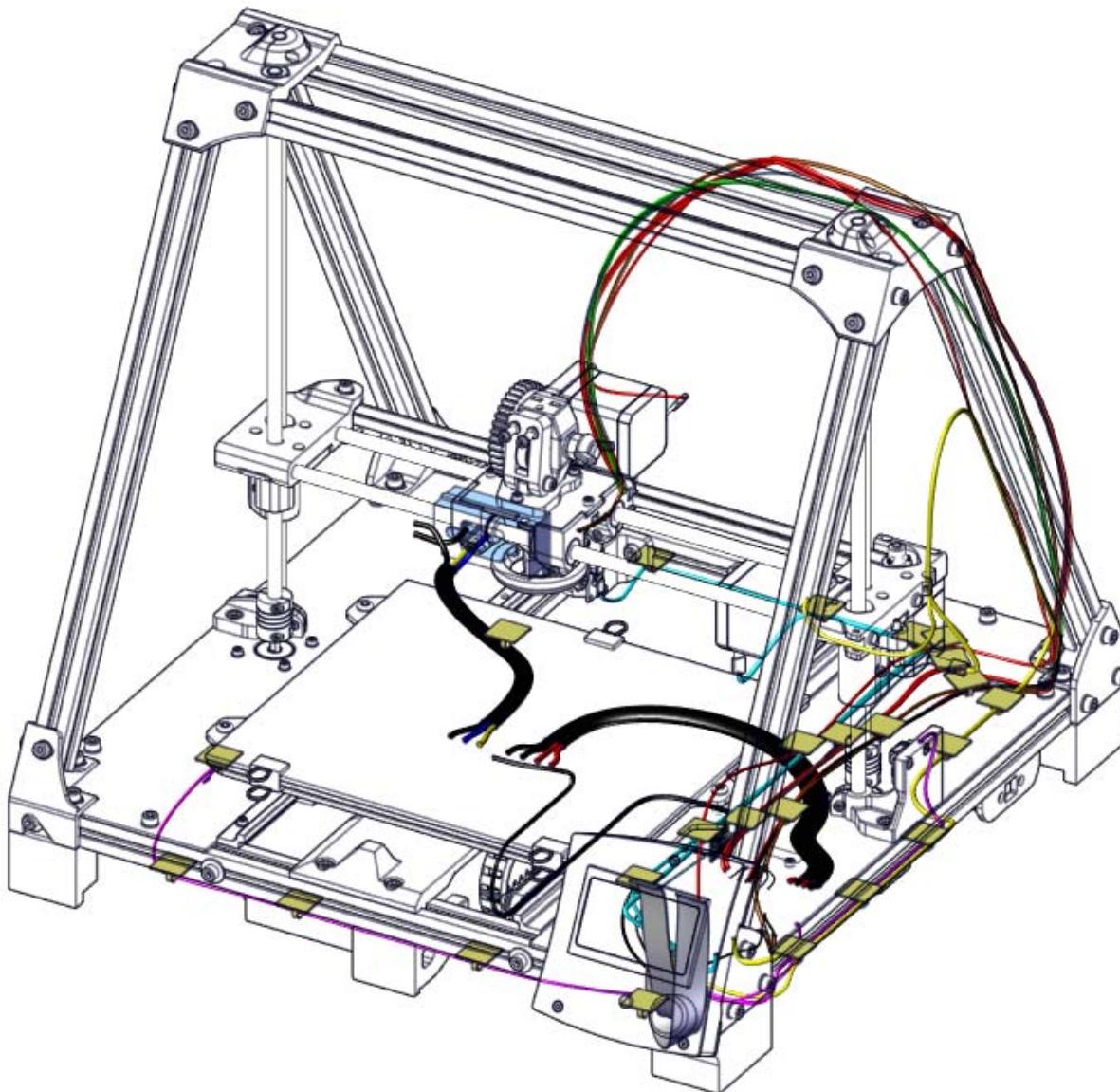


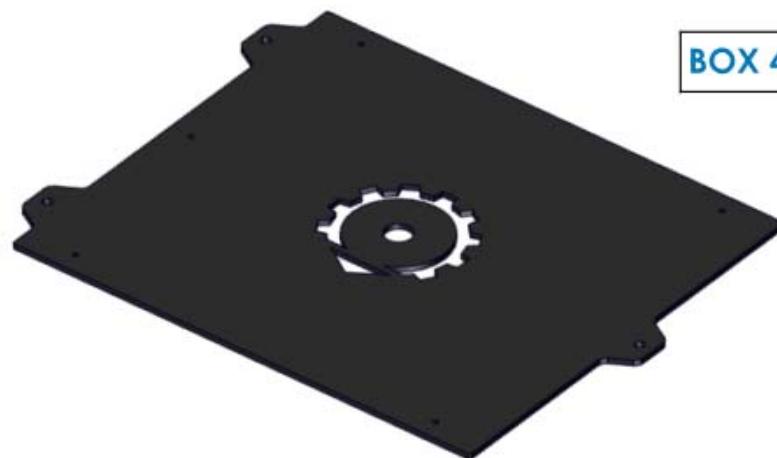
6 BCN3D+ ASSEMBLY GUIDE

WIRING



6 BCN3D+ ASSEMBLY GUIDE

WIRING

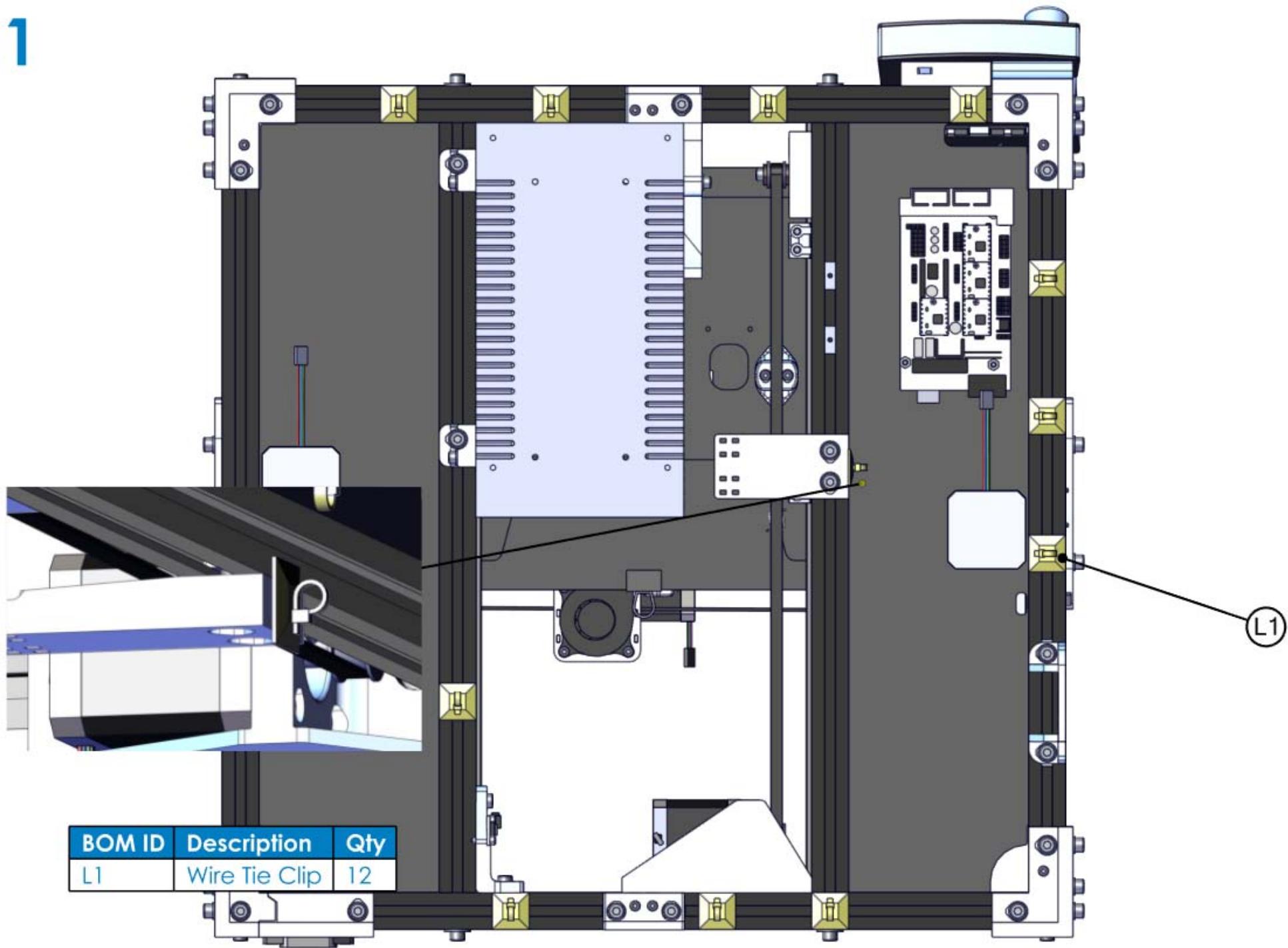


BOX 4

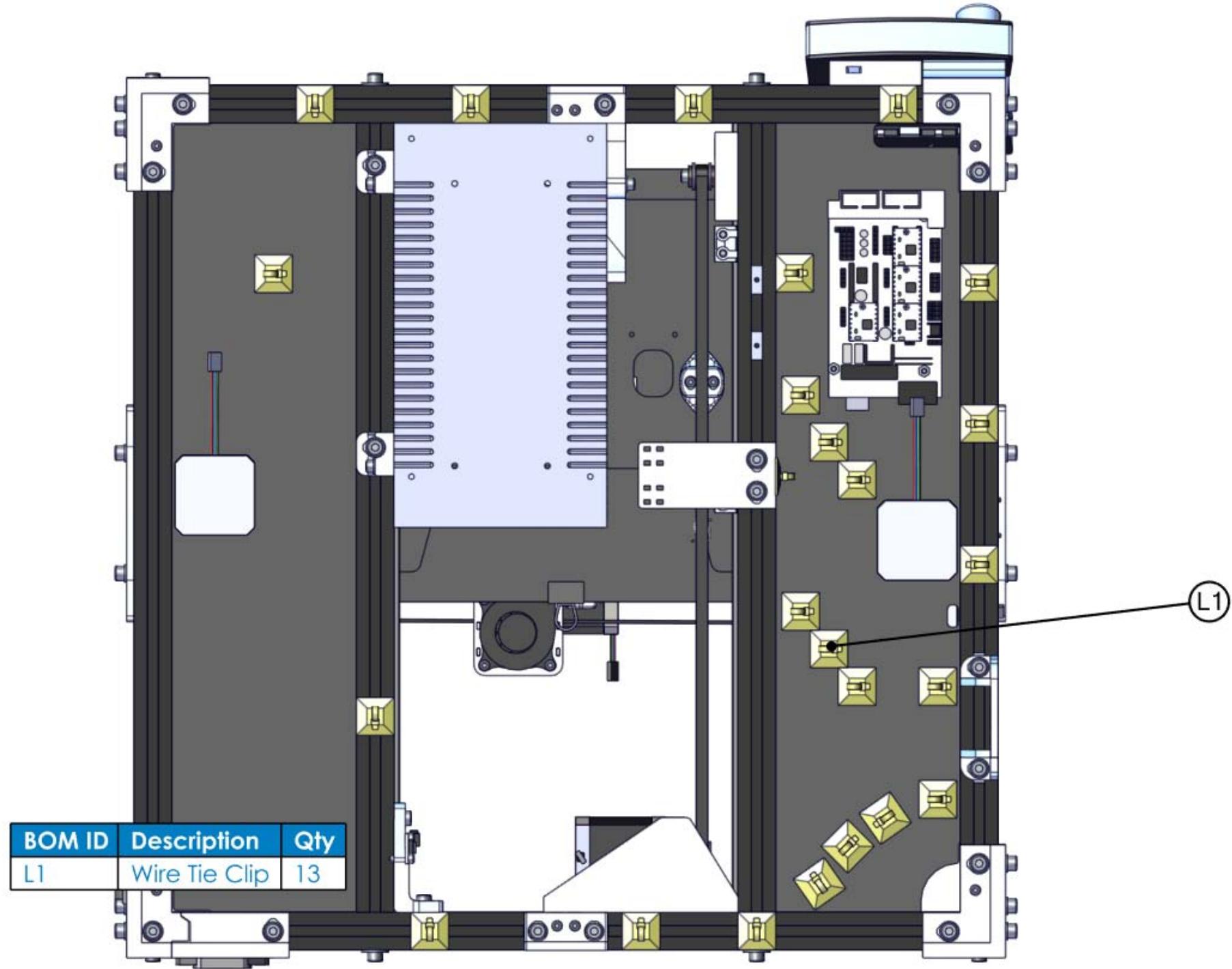


BOX 9

1



2





Wiring procedure

In the upper right corner appear the names of the cables that you will needed at each step. These names correspond to the names of the cables bags from the electronic box.

The process consists of two different steps, each on a independent slide:

1. Cable path

Close the flange of those clips which are highlighted in blue.

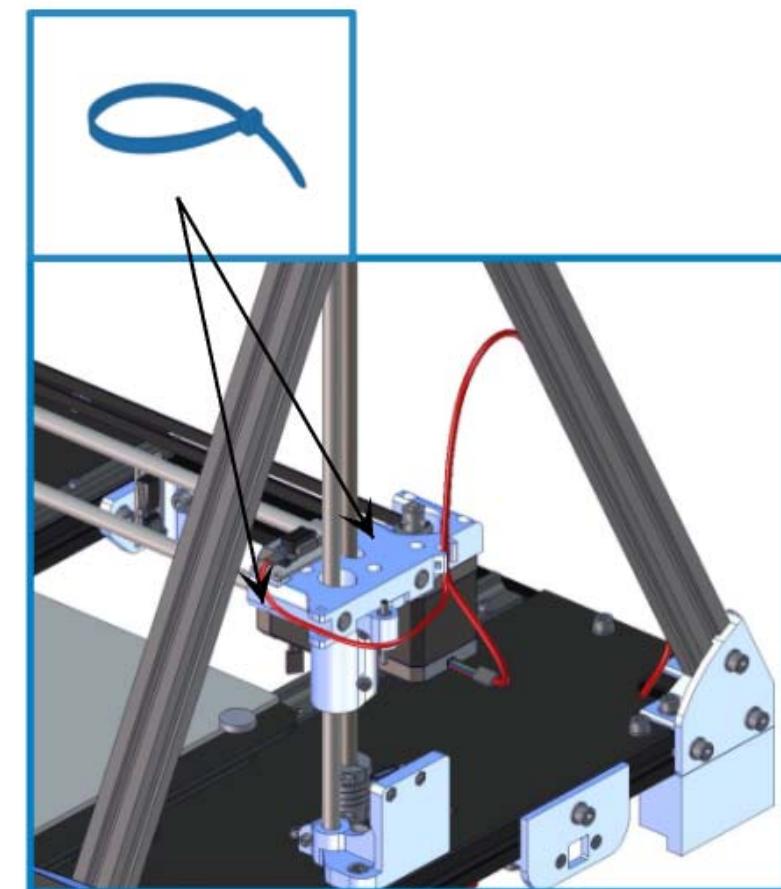
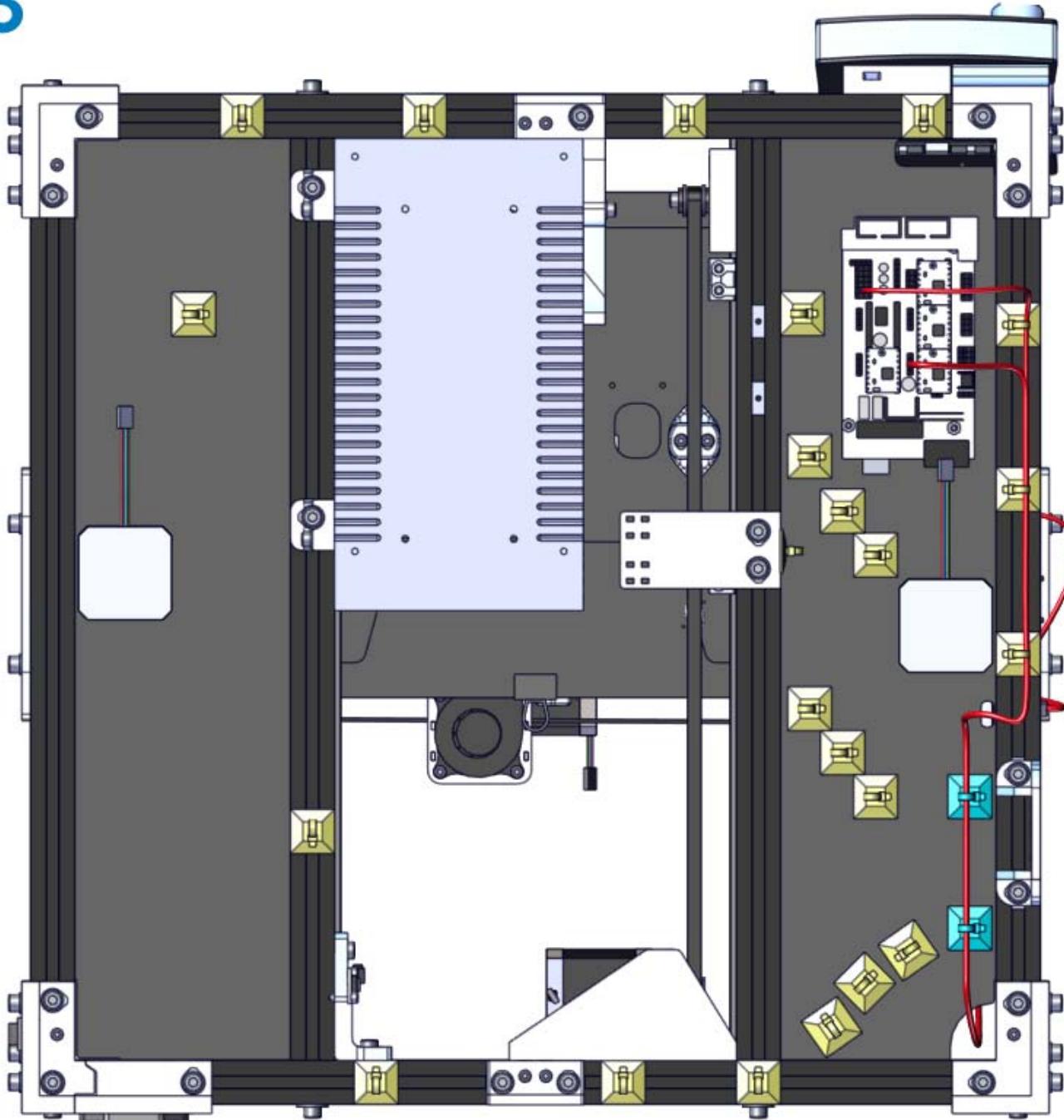
2. Component connections

Pay attention to the orientation of the connectors and color coding.

Be sure to connect the elements in the highlighting place from the electronics.

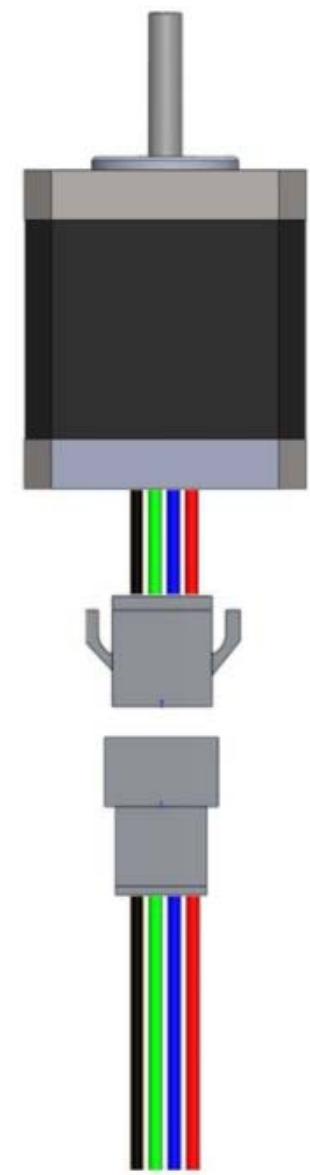
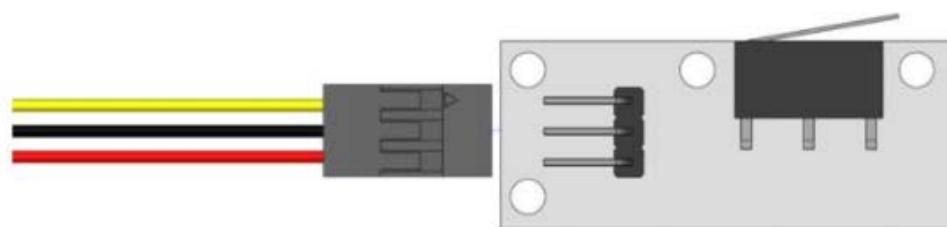
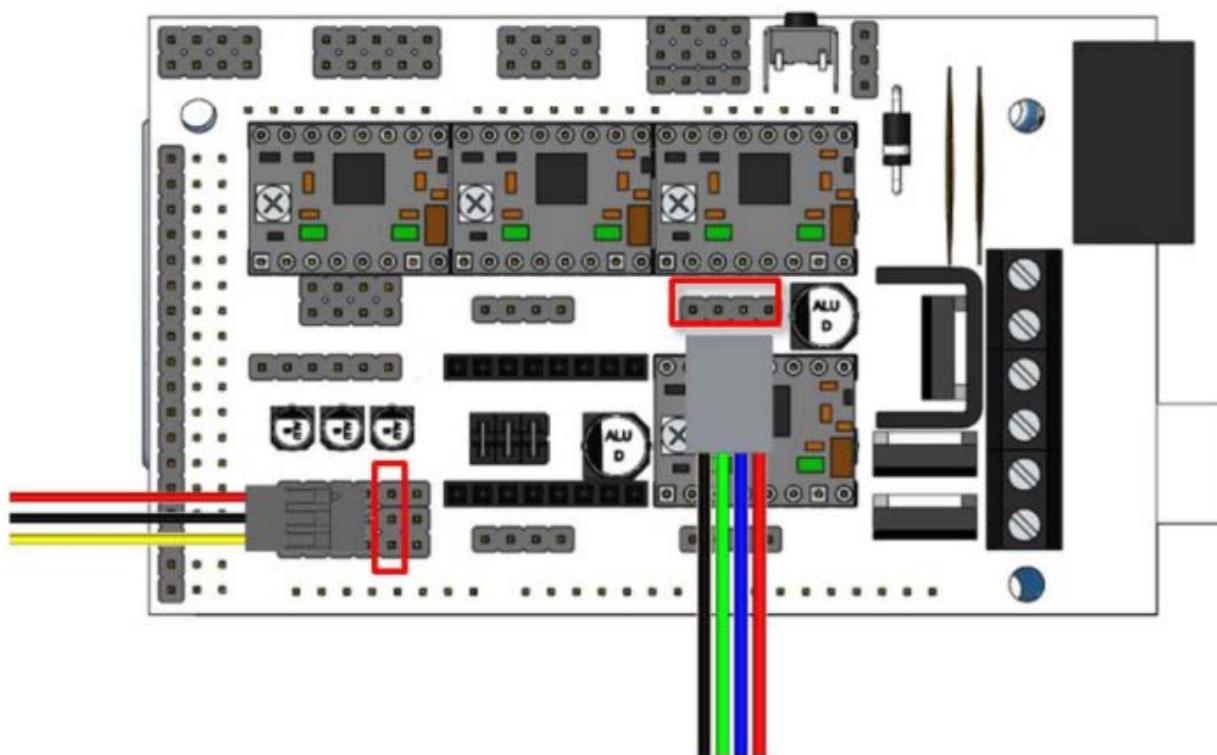
3

1. X Endstop & X stepper extender



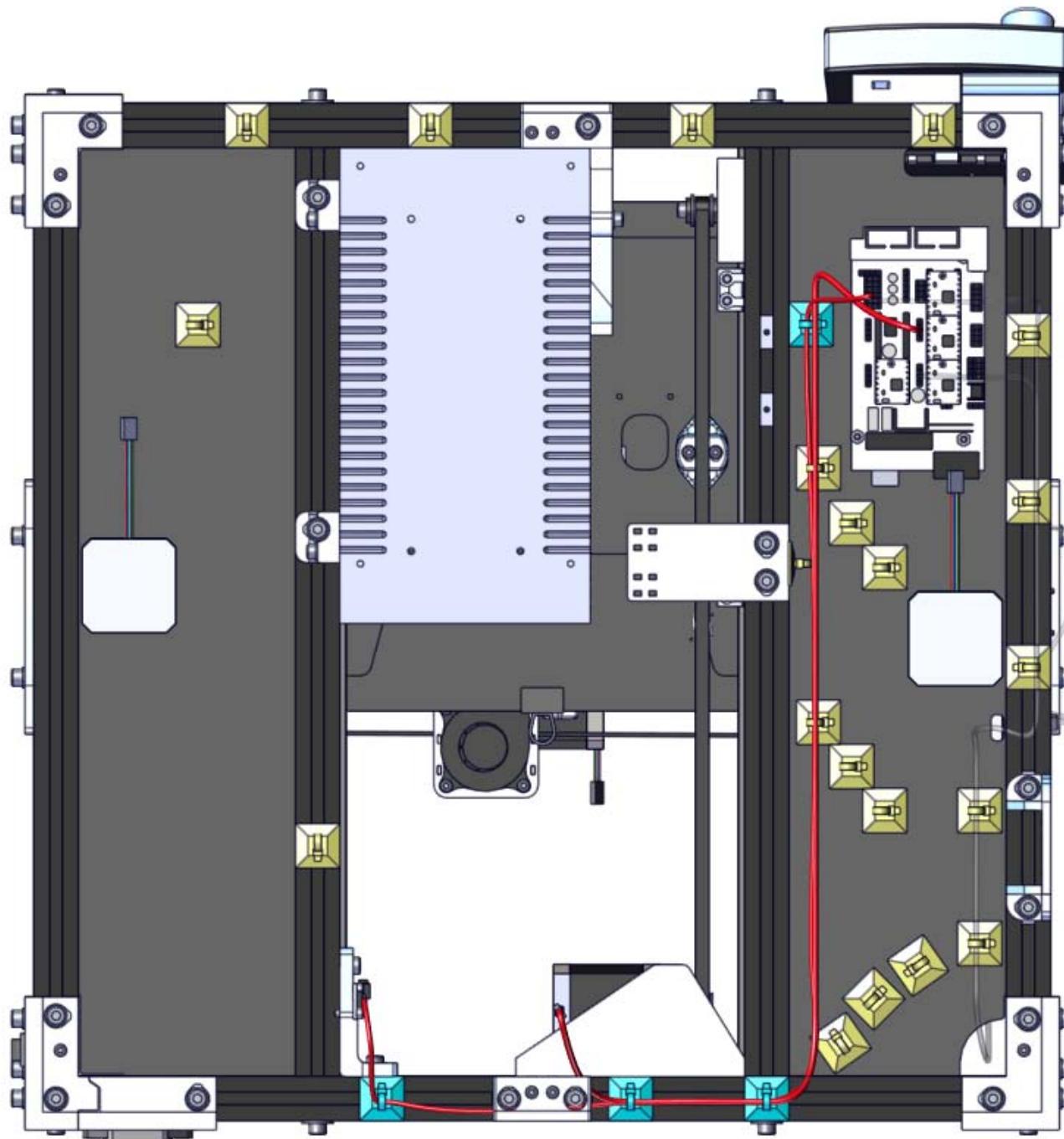
1. X Endstop & X stepper extender

4

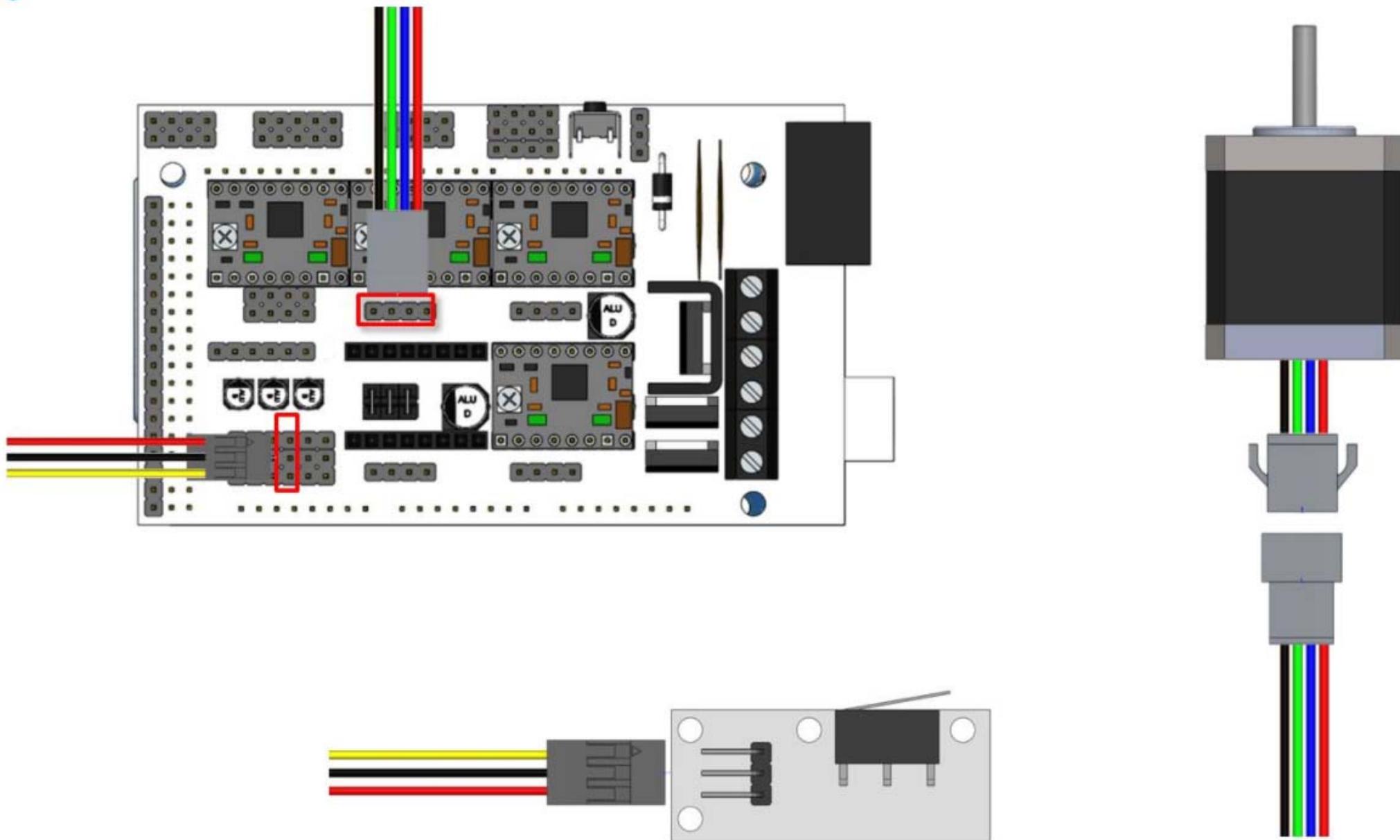


2. Y Endstop & Y Stepper Extender

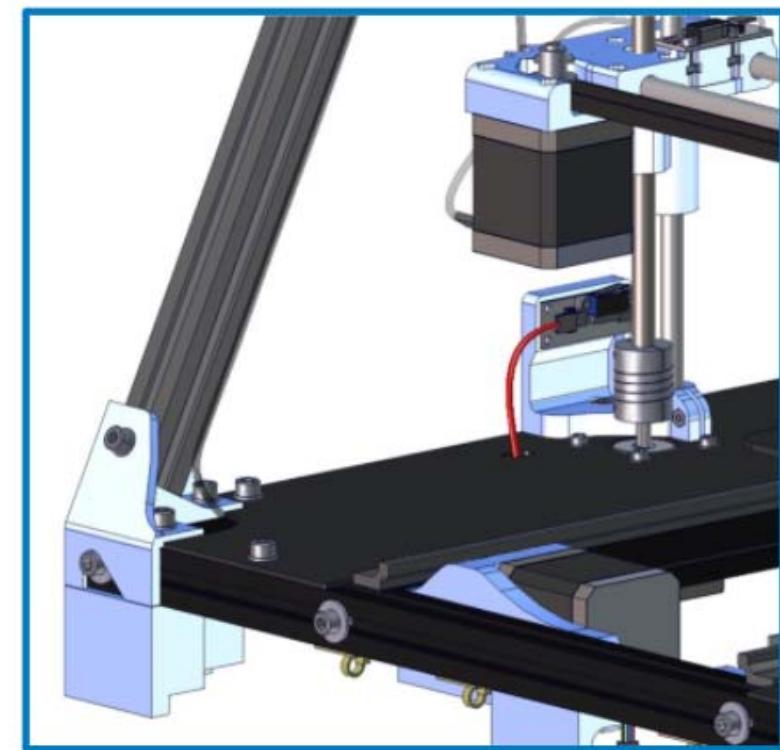
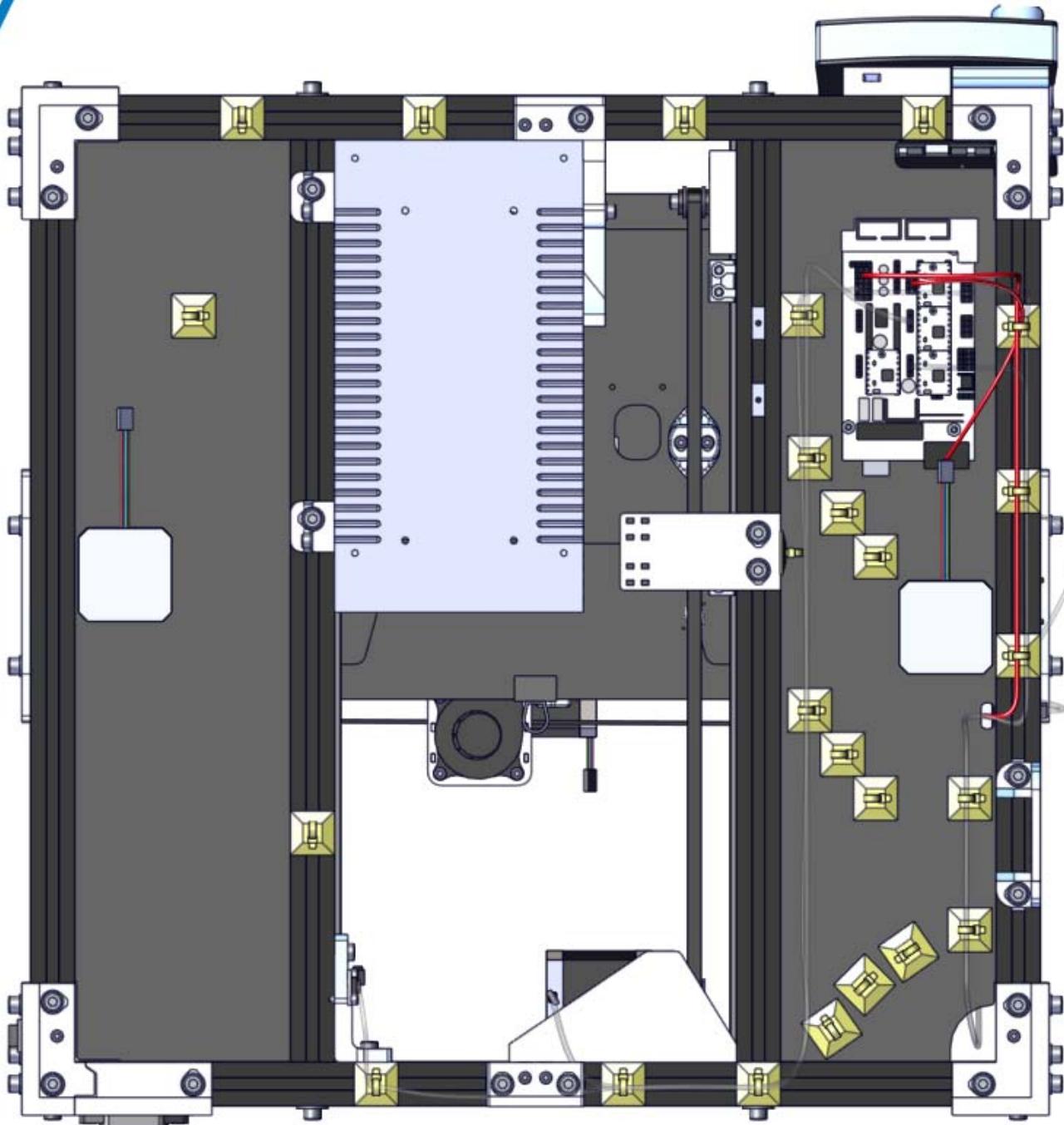
5



2. Y Endstop & Y Stepper Extender

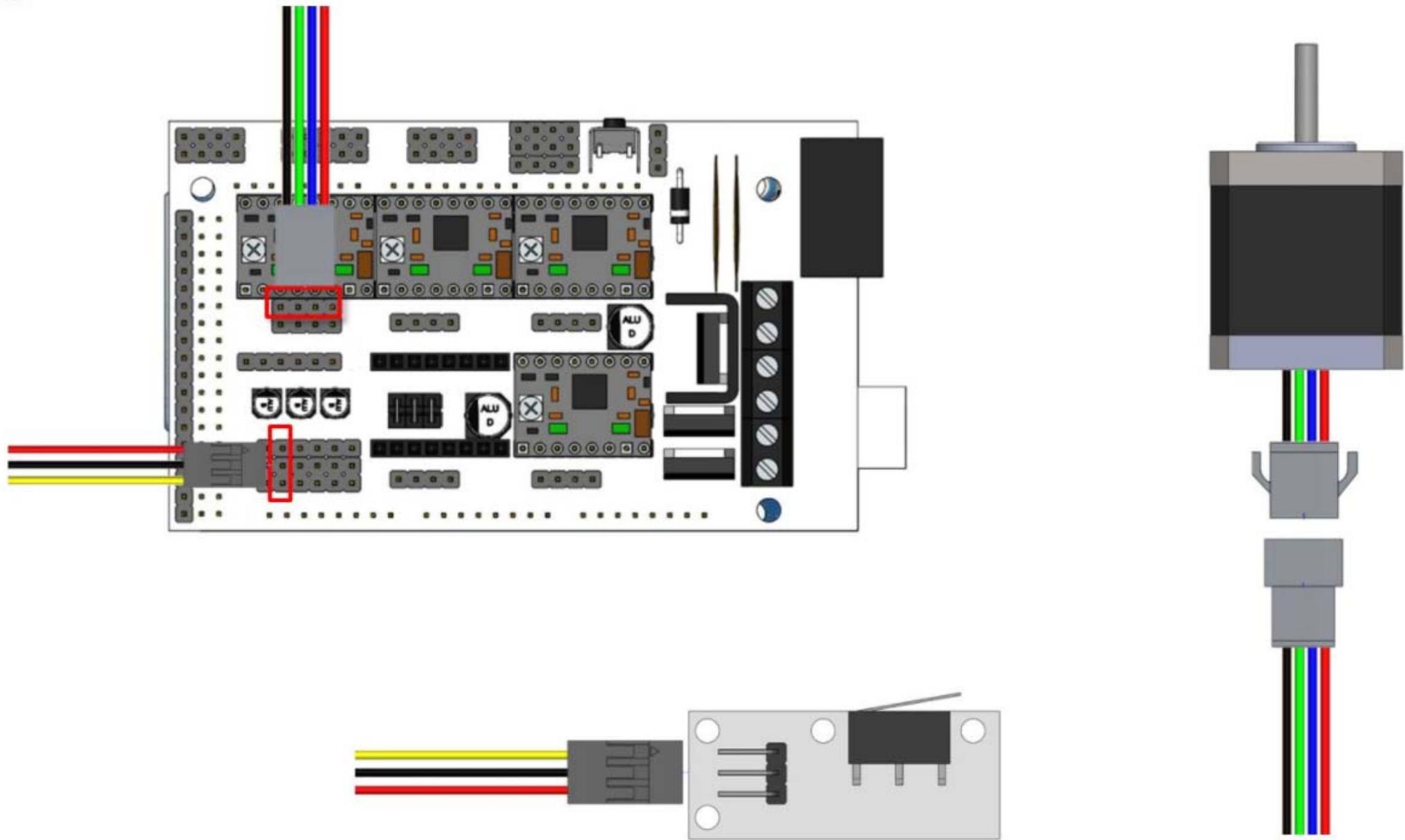


3. Z Endstop & Z Right Stepper Extender



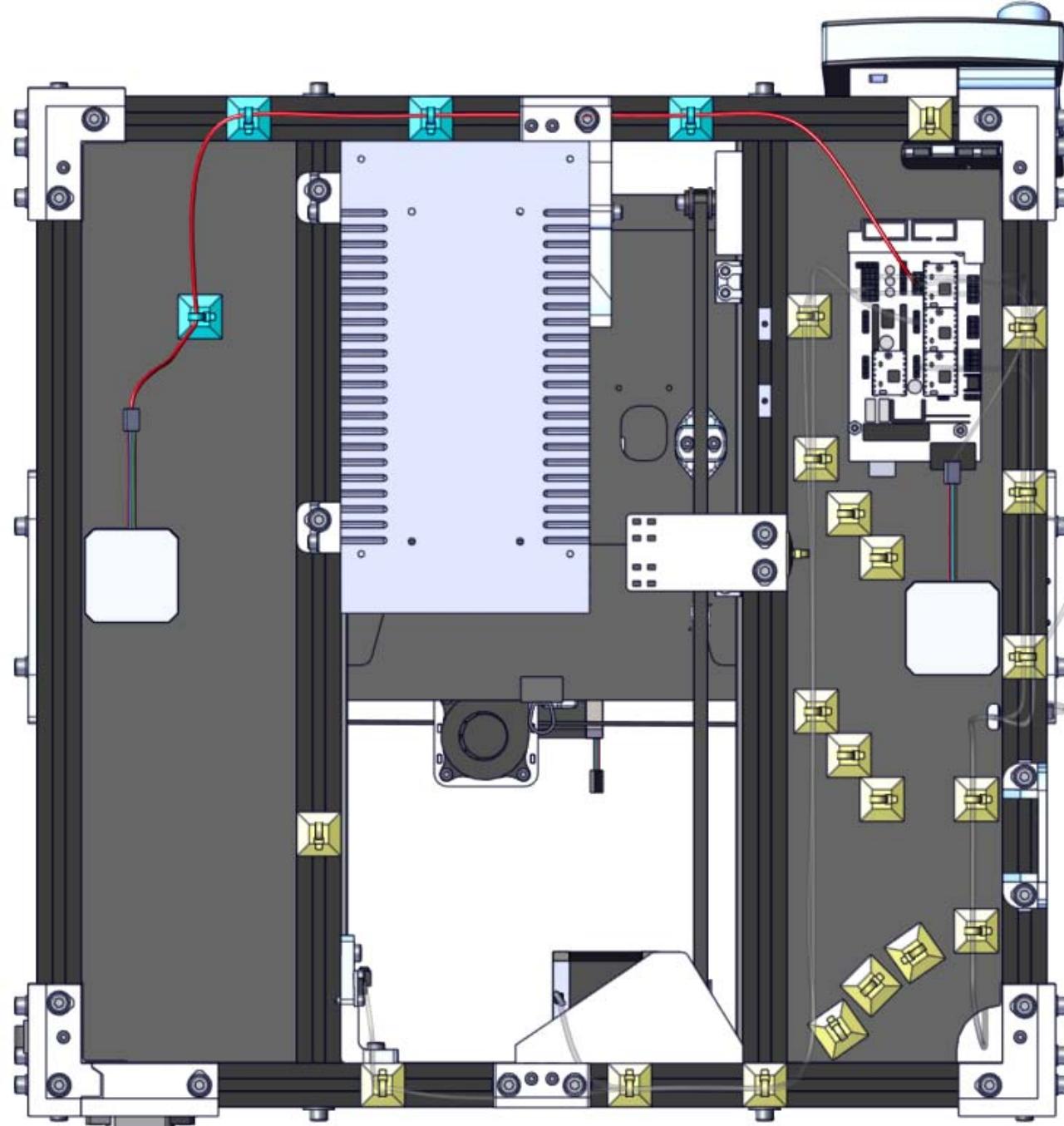
3. Z Endstop & Z Right Stepper Extender

8



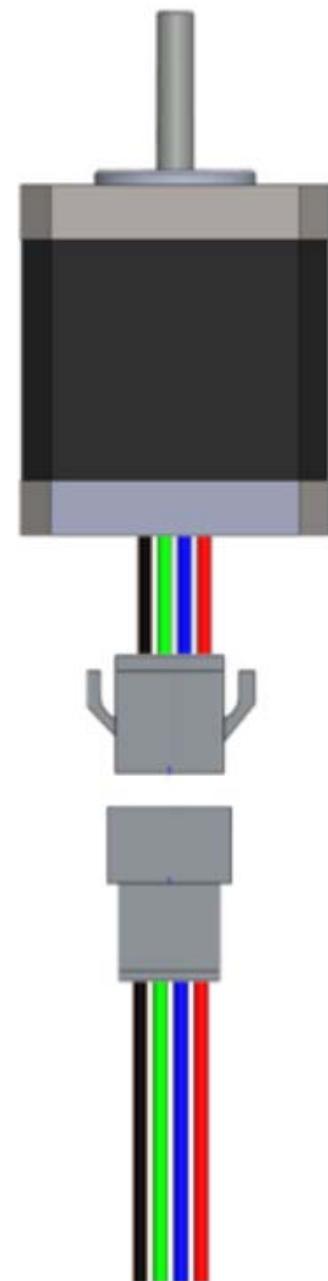
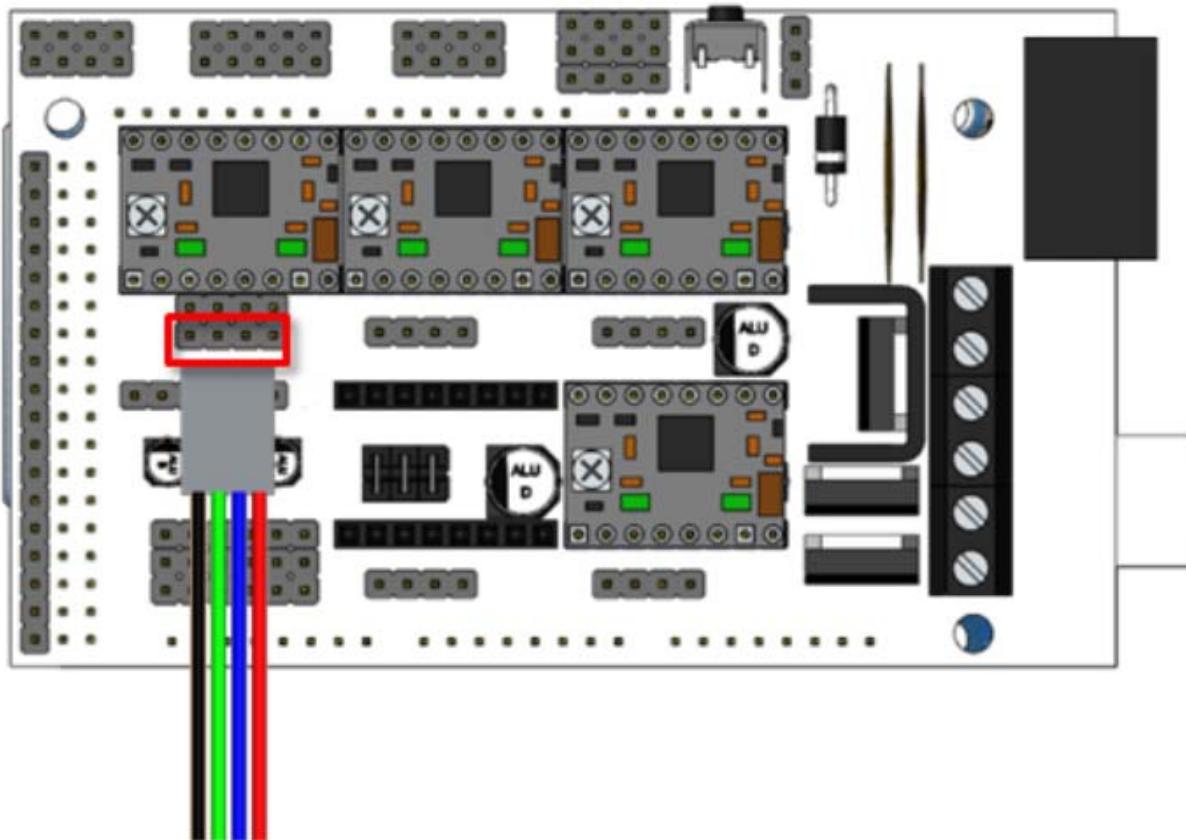
4. Z Left Stepper Extender

9

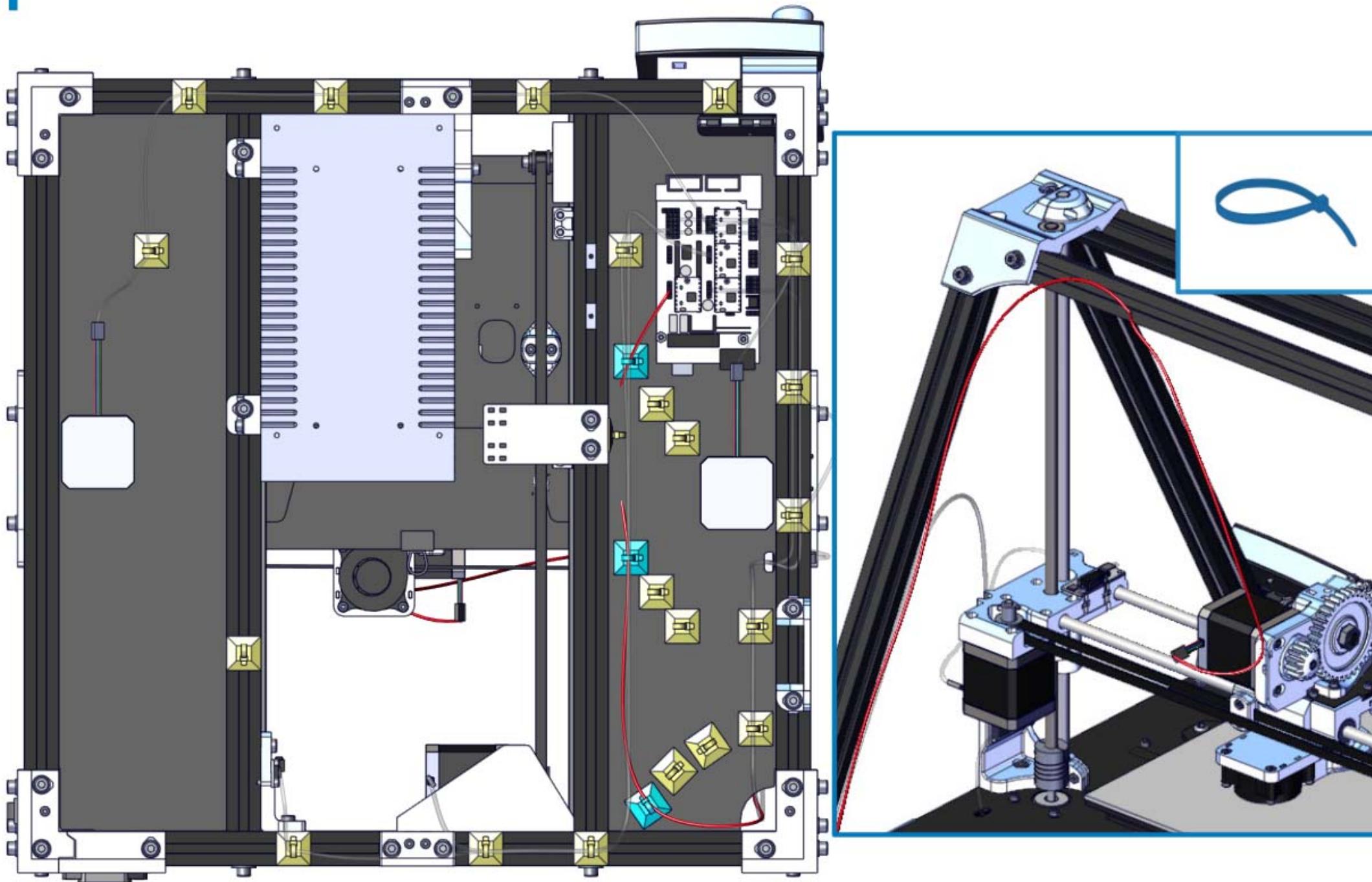


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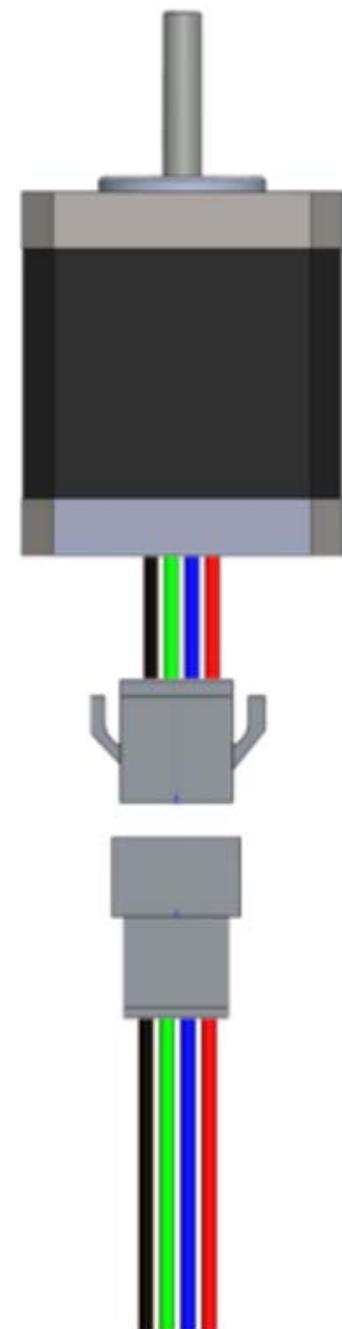
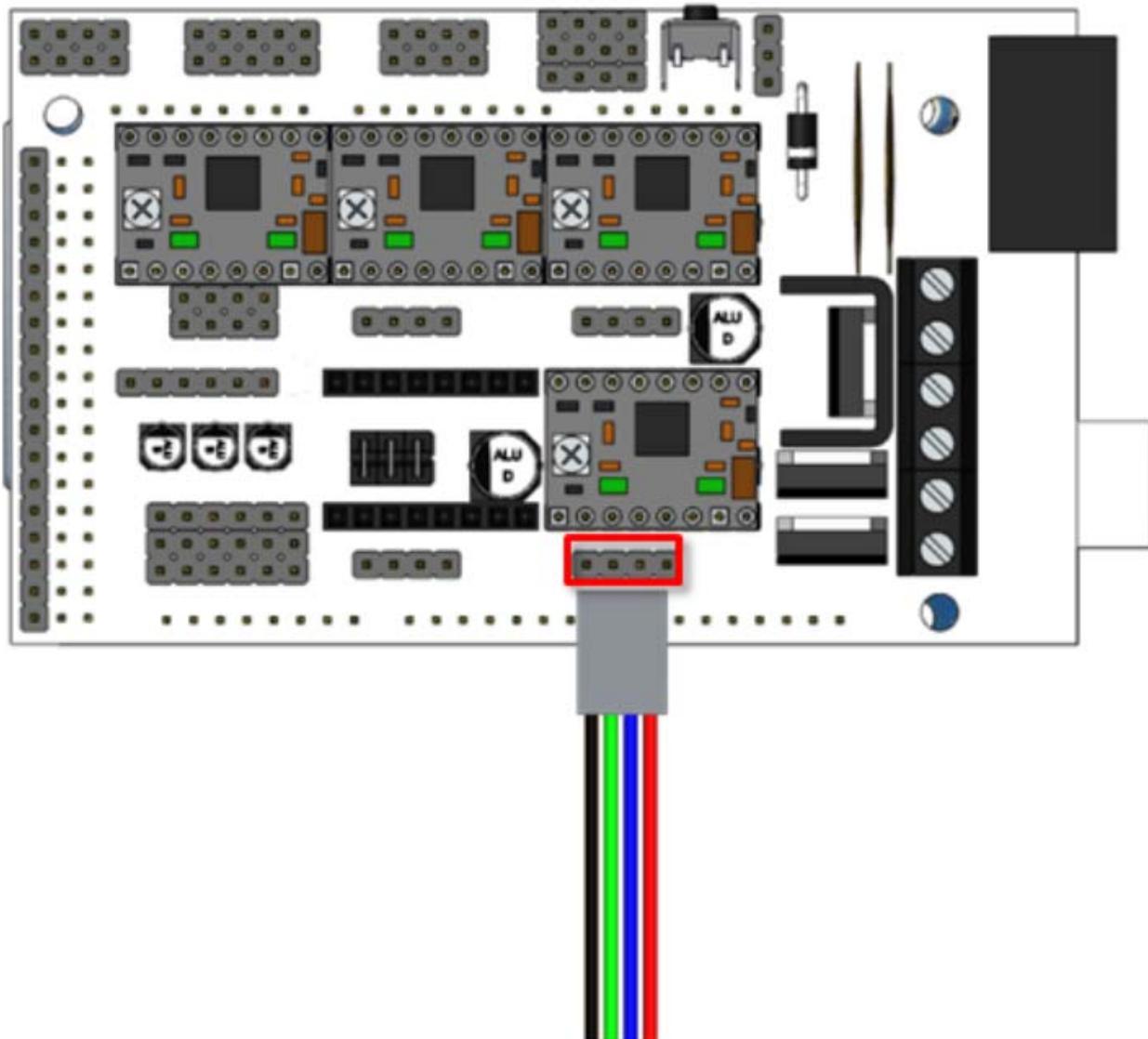
4. Z Left Stepper Extender



5. Extruder Stepper Extender

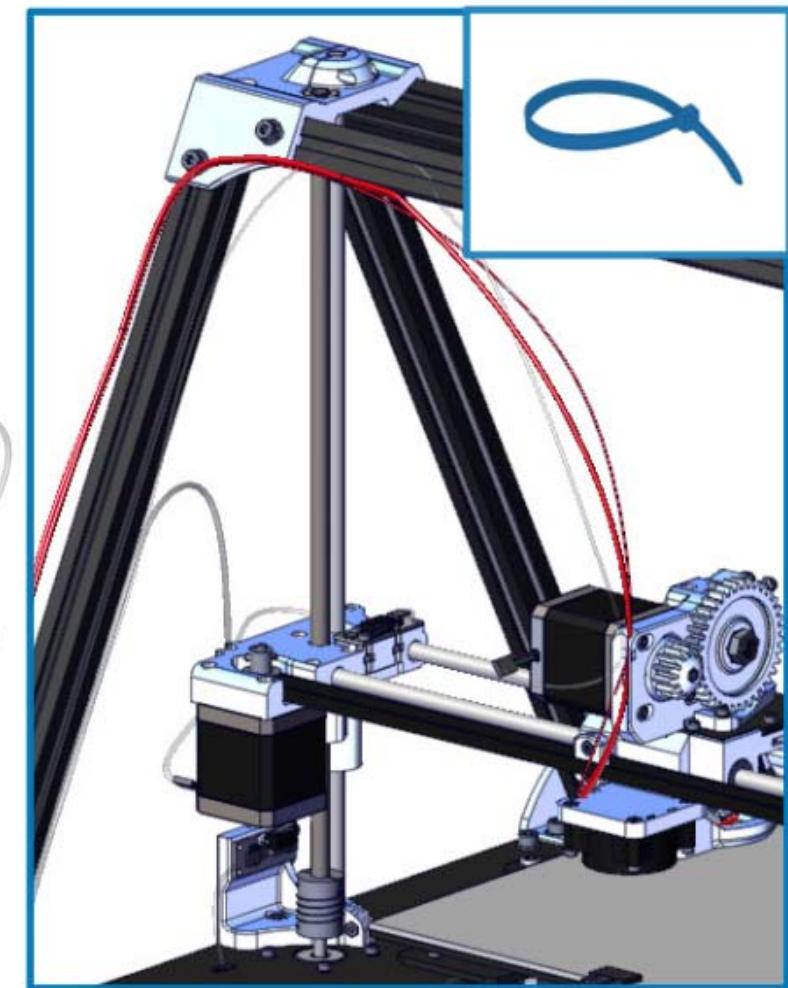
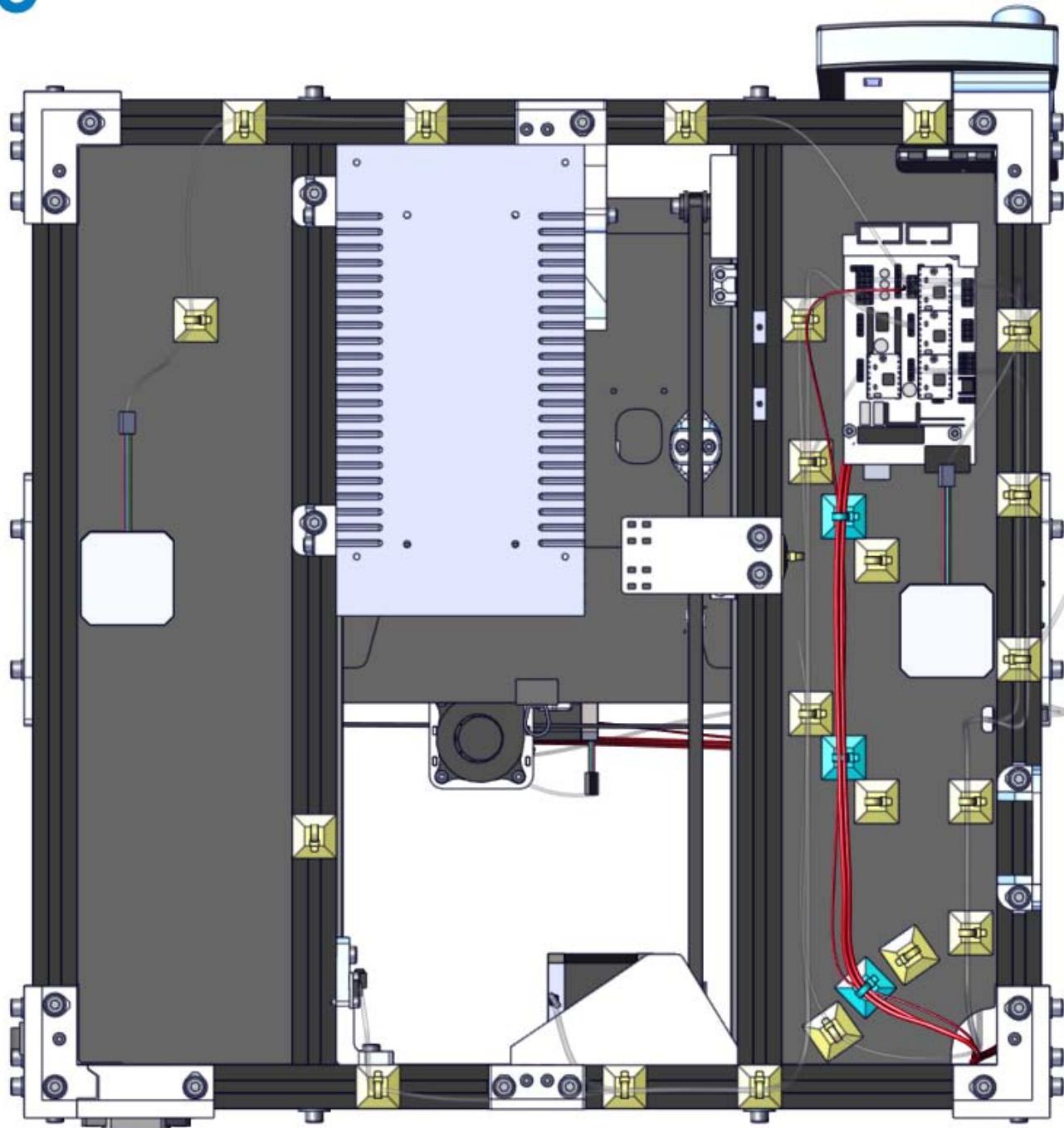


5. Extruder Stepper Extender



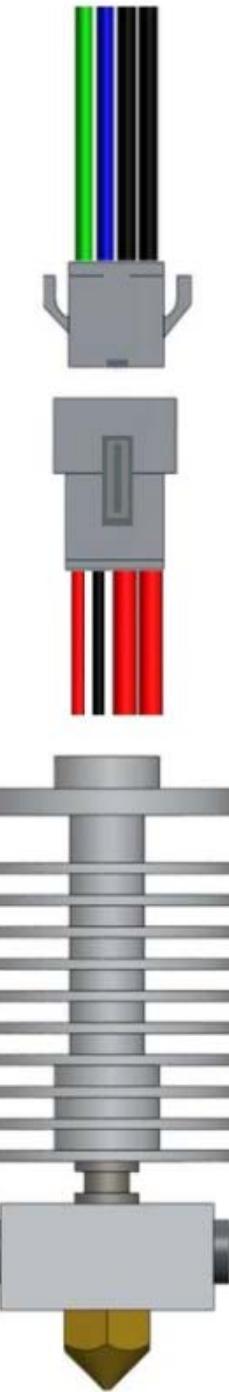
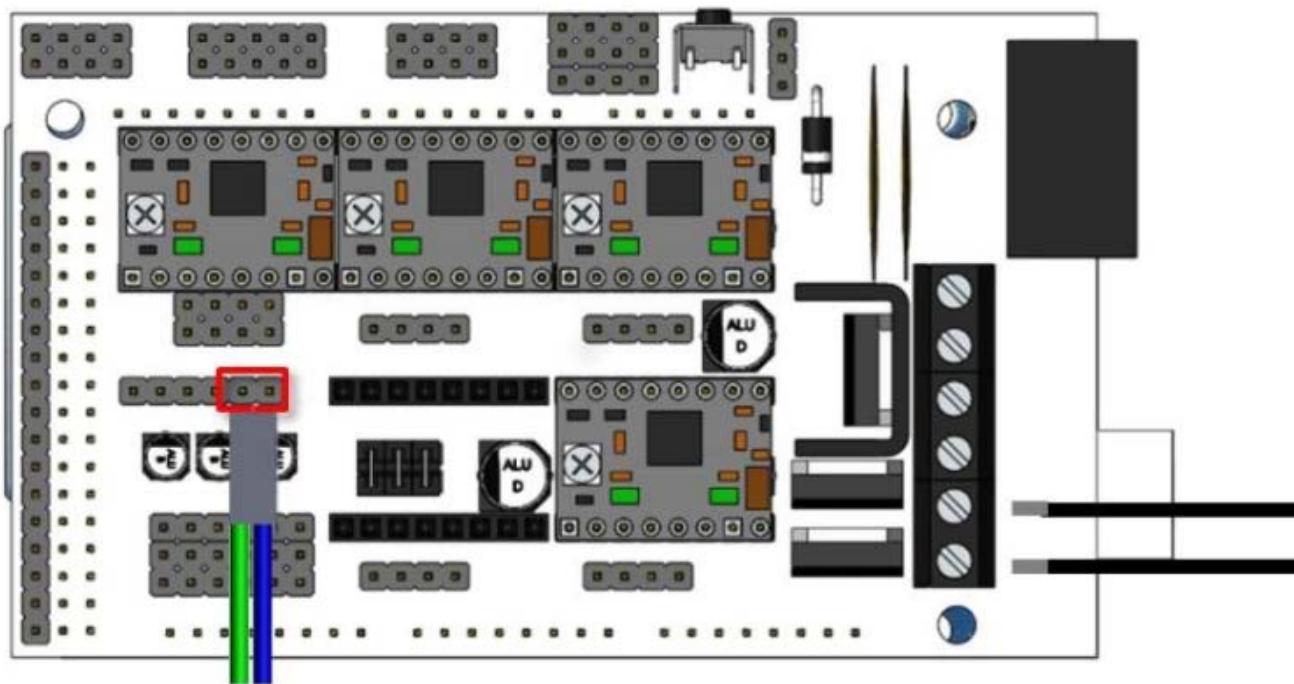
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6. Hot End Extender



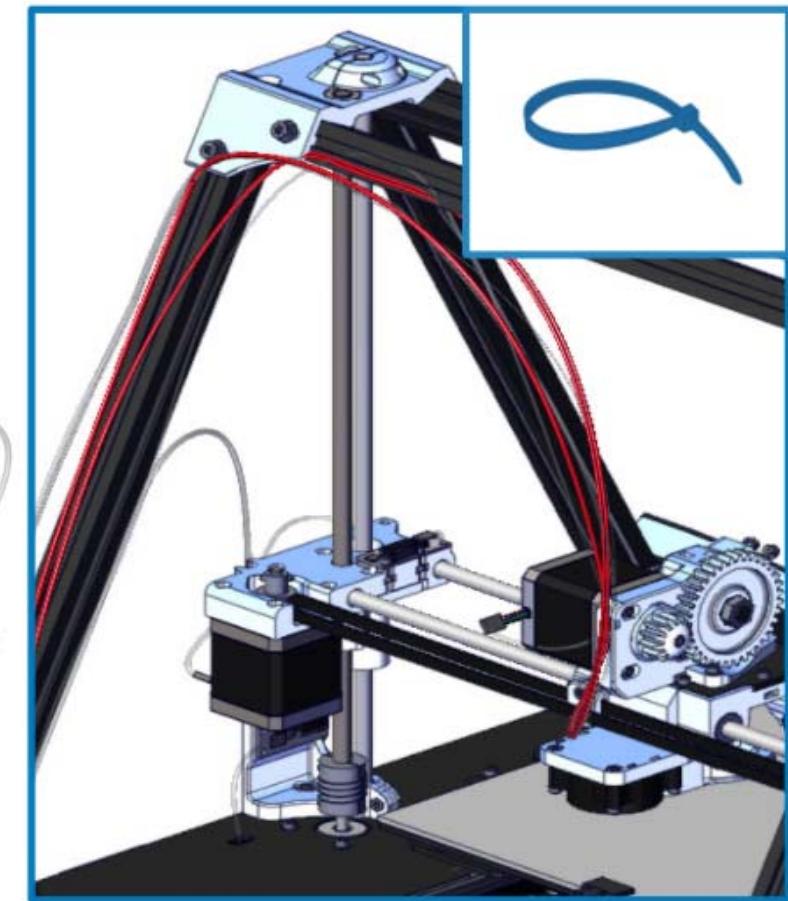
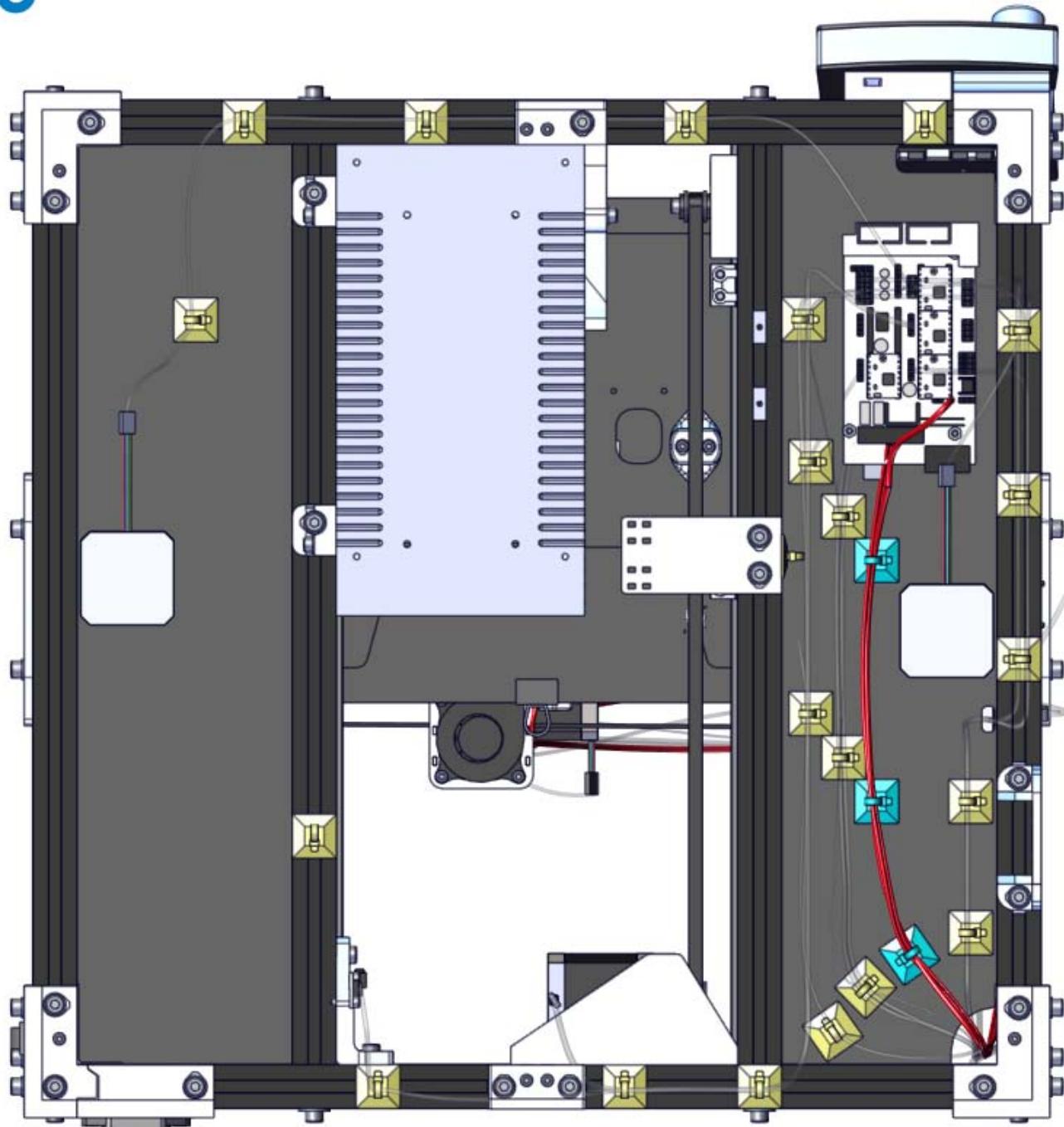
14

6. Hot End Extender

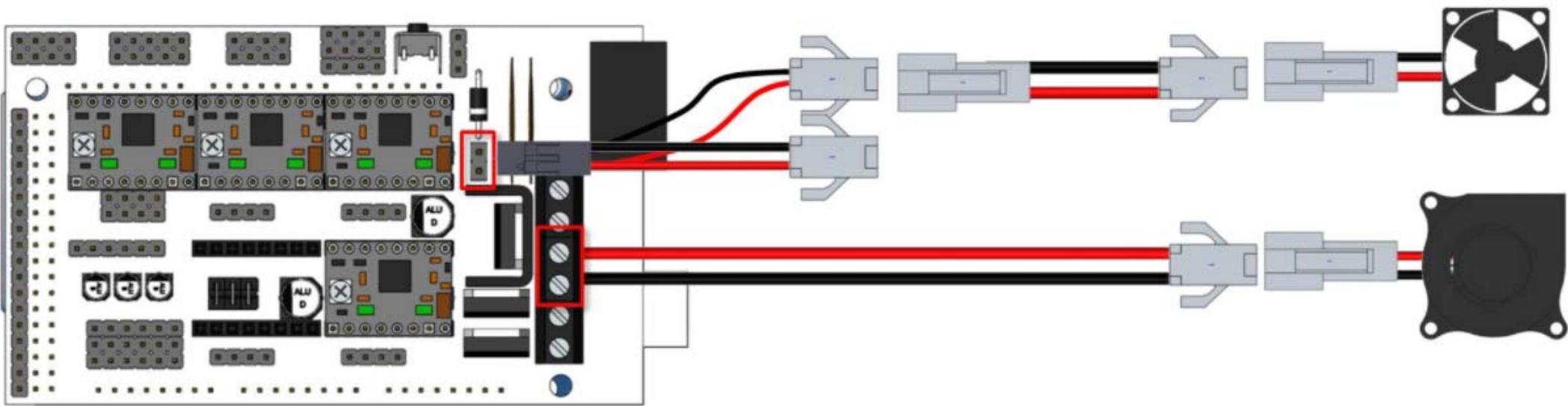


15

7. Layer Fan, Cooler Fan & Fan Extension

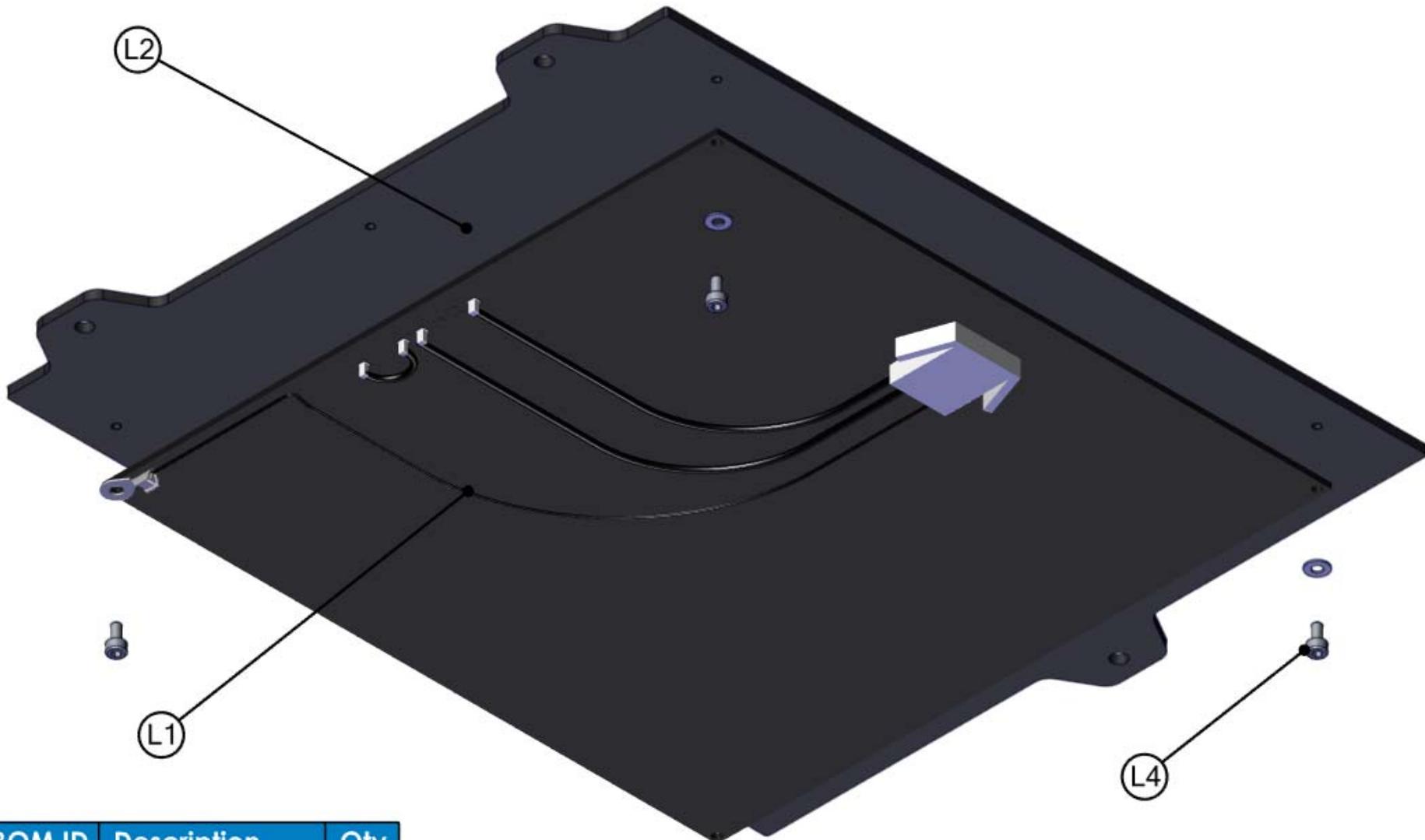


7. Layer Fan, Cooler Fan & Fan Extension



8. Hot Bed Extender

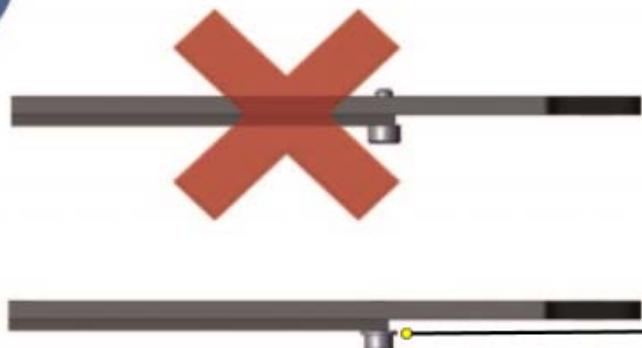
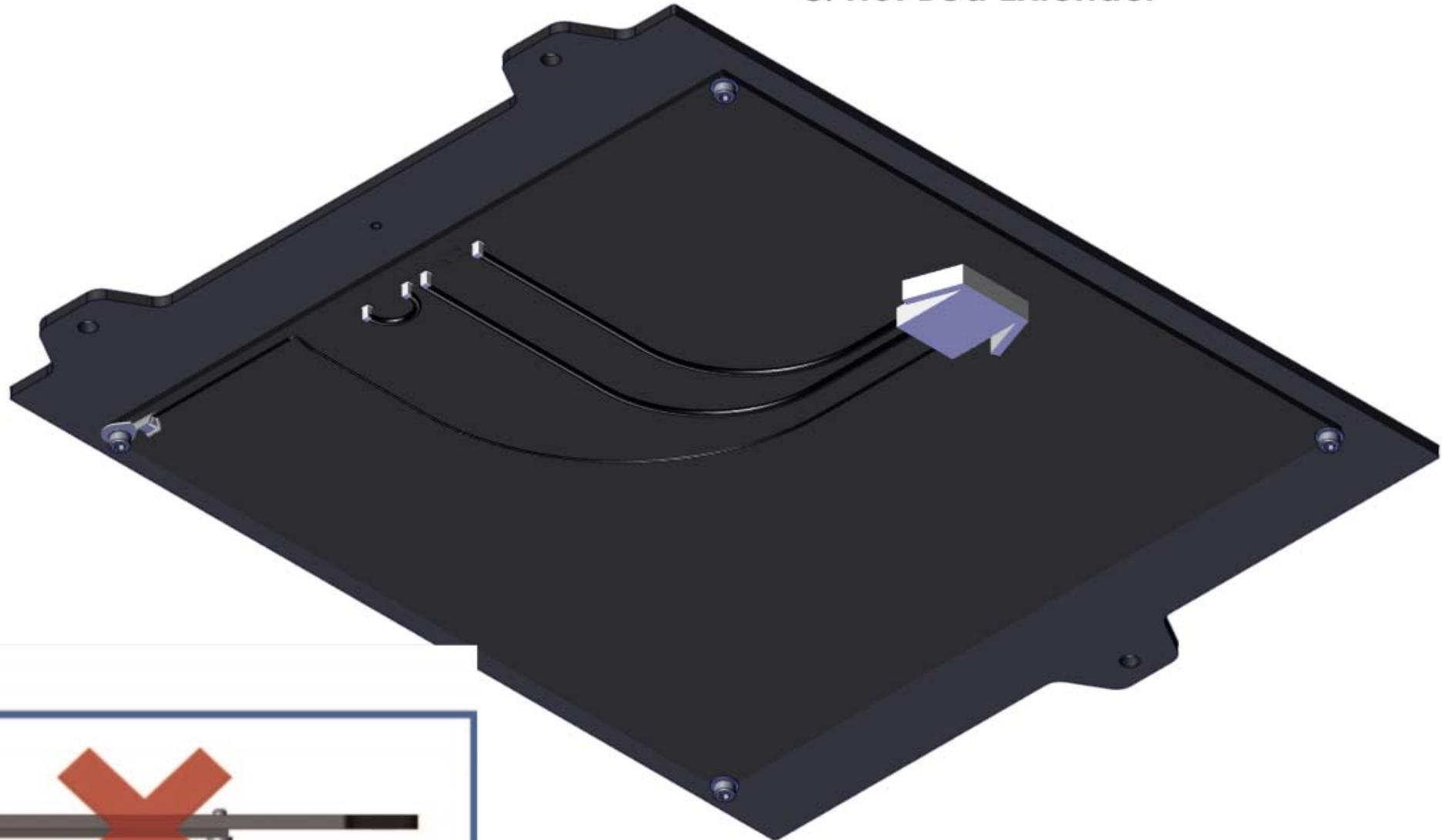
17



BOM ID	Description	Qty
L1	Hod Bed	1
L2	Upper platform	1
L3	DIN125 M3	3
L4	DIN912 M3x6	4

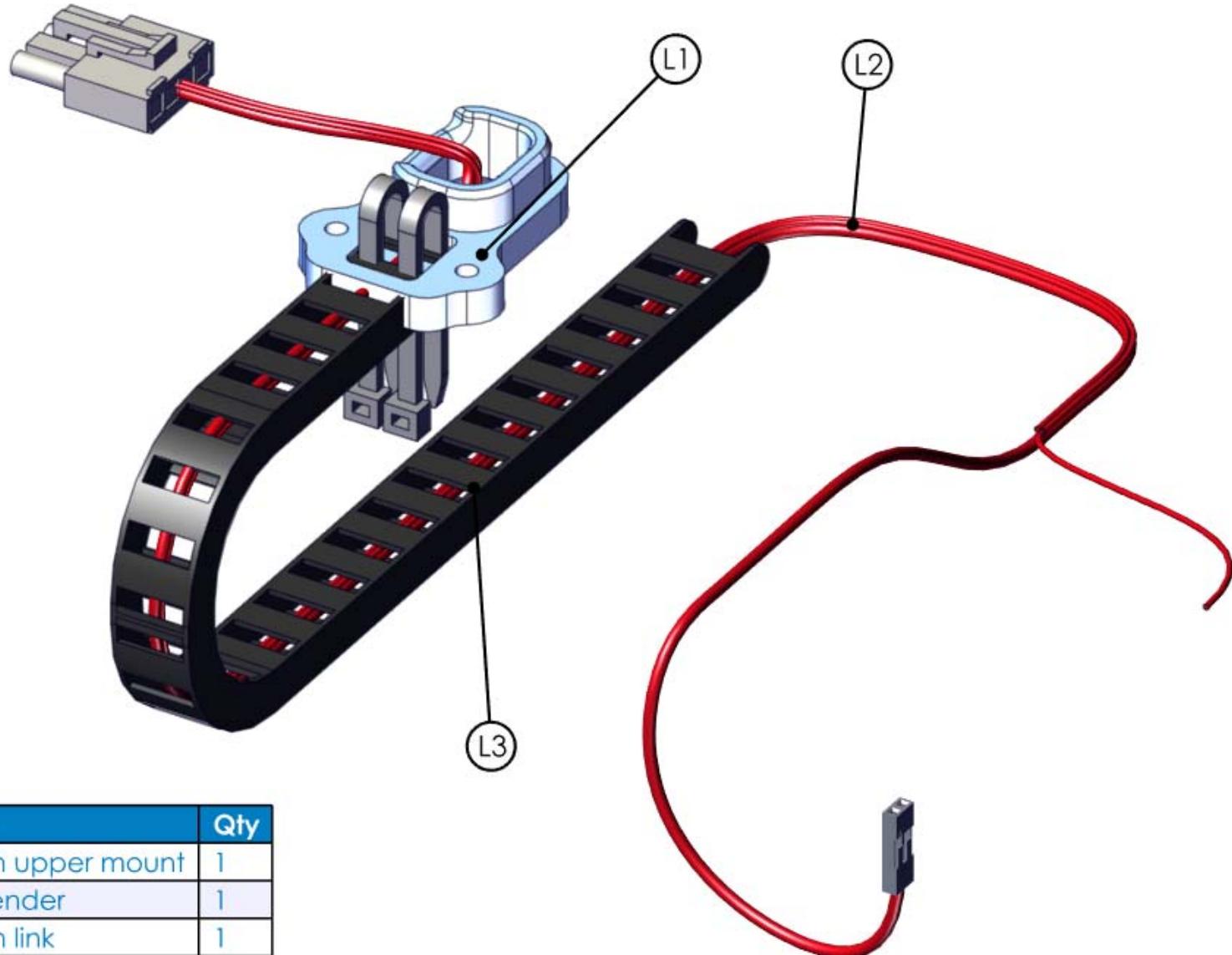


8. Hot Bed Extender



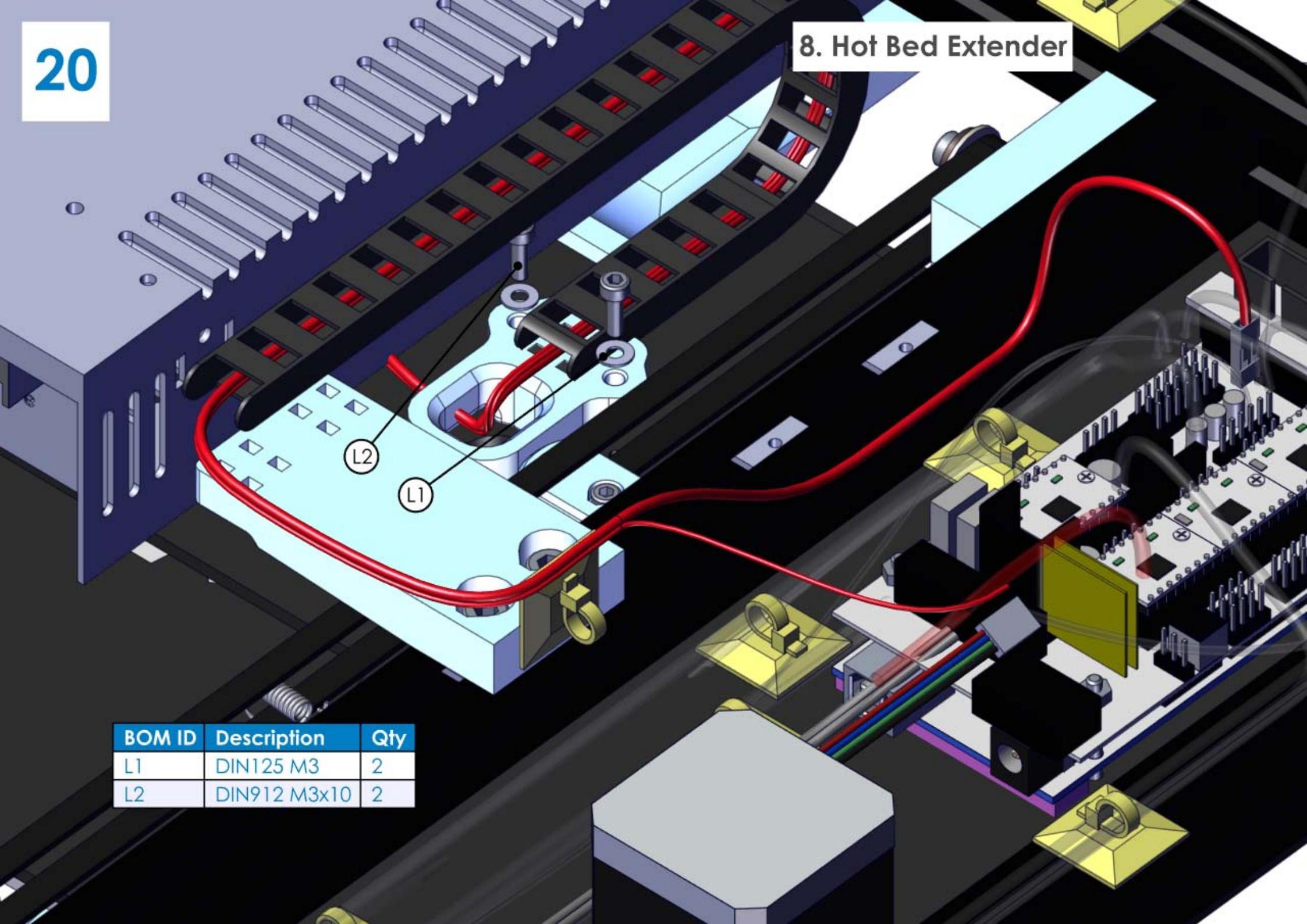
Check that the screws do not protrude above the Upper platform, in that case, add 1 or 2 DIN 125 M3 washers on each screw.

8. Hot Bed Extender



BOM ID	Description	Qty
L1	Cable chain upper mount	1
L2	Hotbed Extender	1
L3	Cable chain link	1

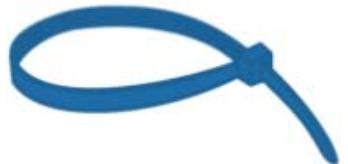
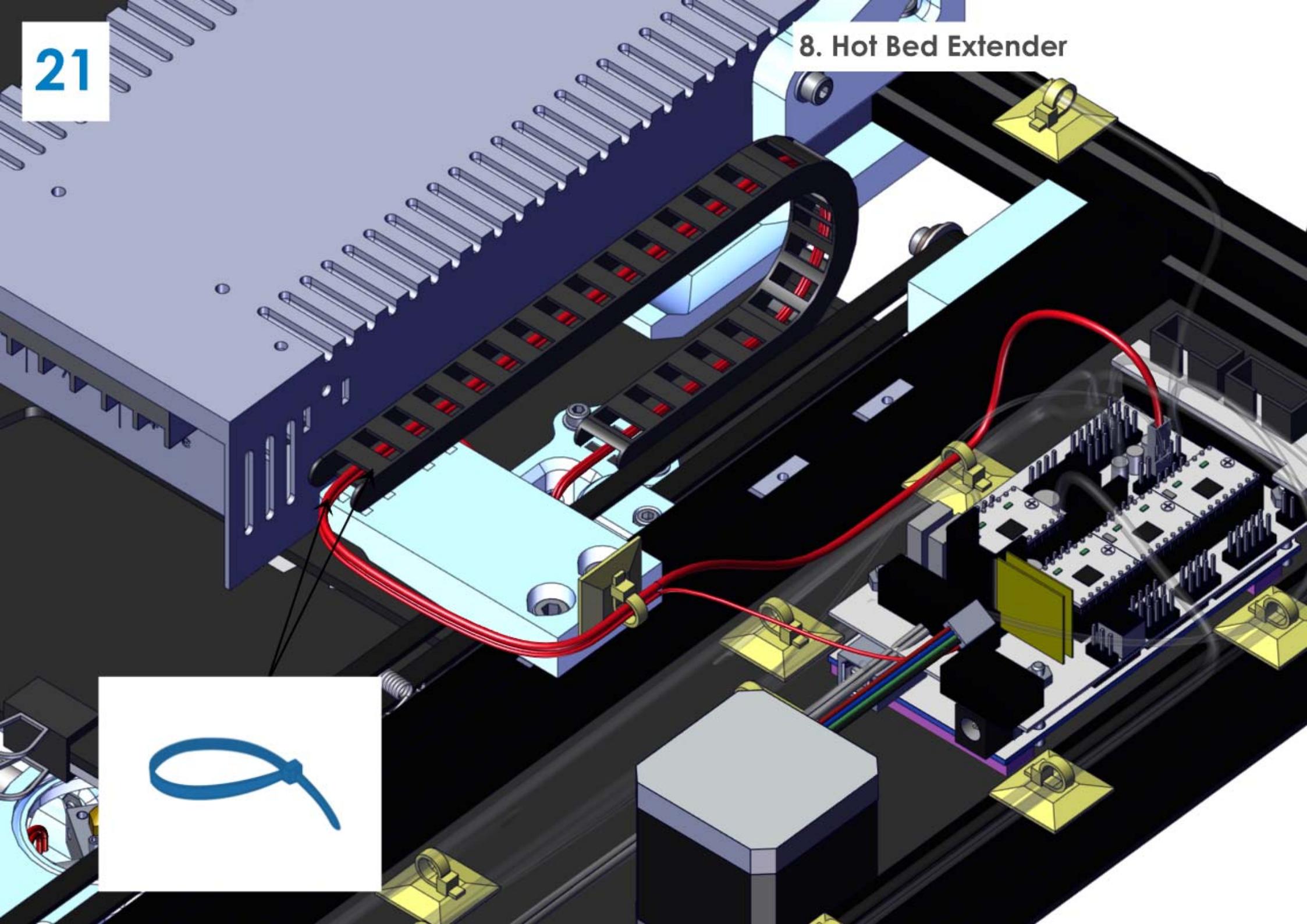
8. Hot Bed Extender



BOM ID	Description	Qty
L1	DIN125 M3	2
L2	DIN912 M3x10	2

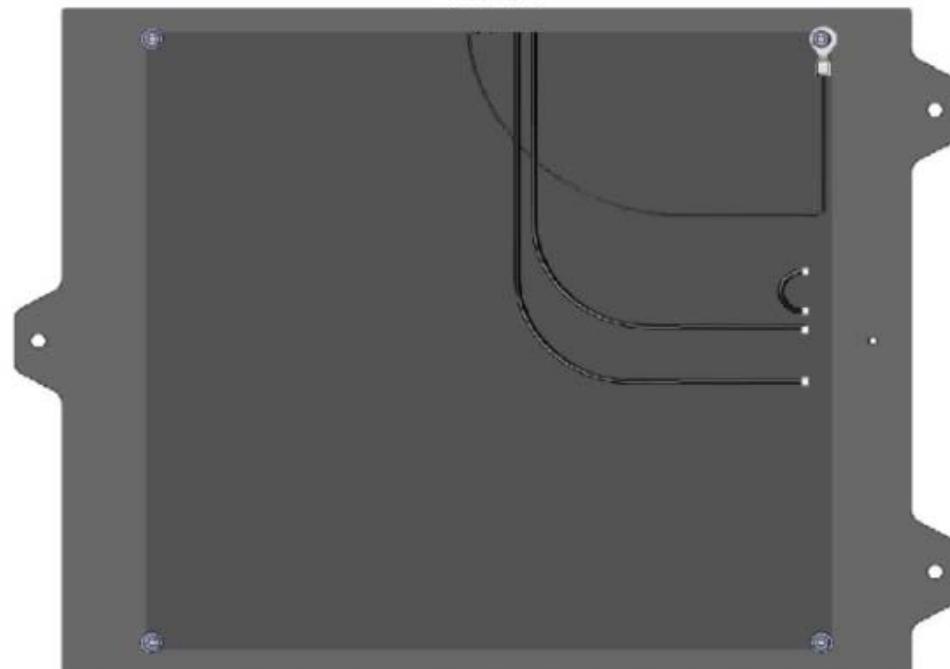
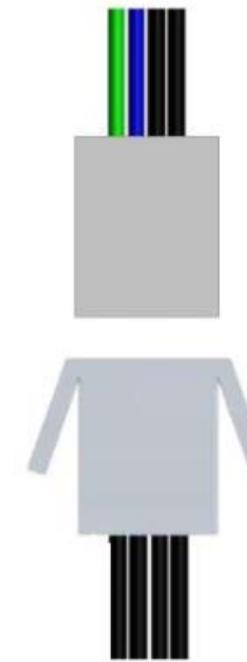
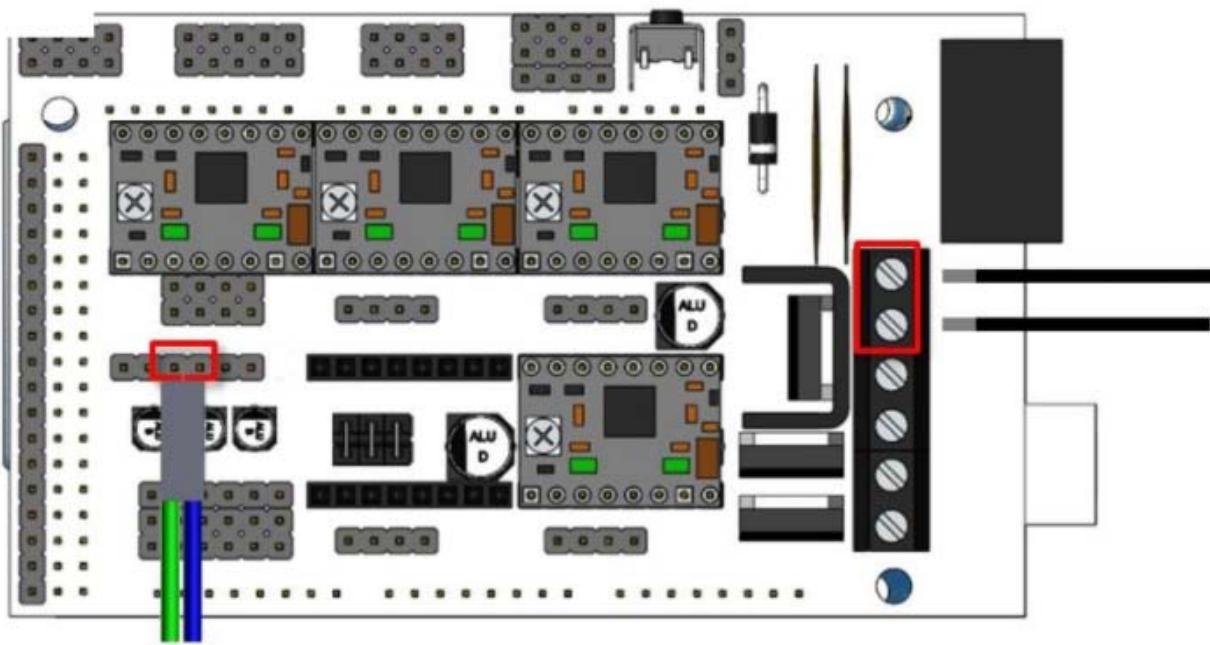
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8. Hot Bed Extender

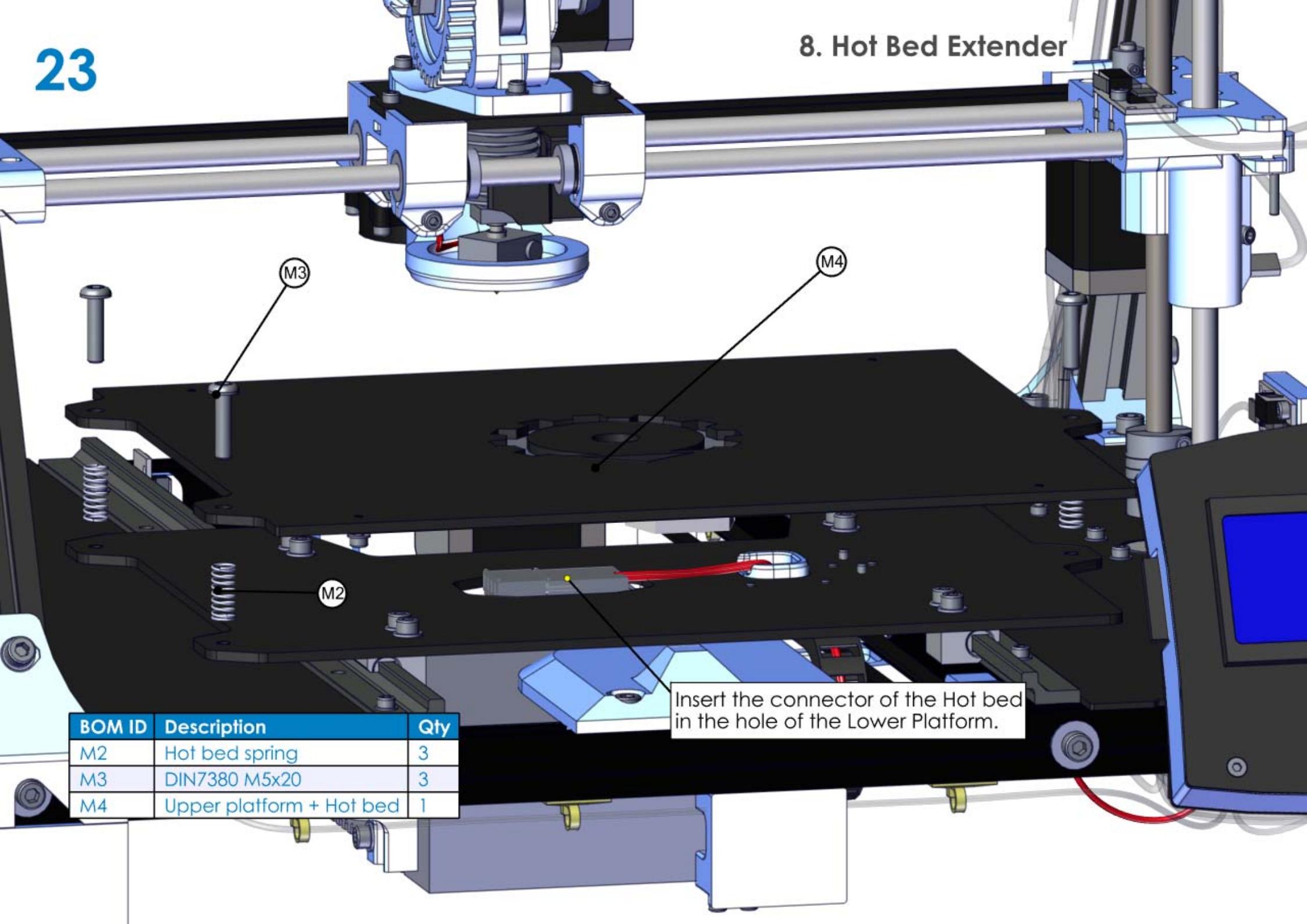


8. Hot Bed Extender

22



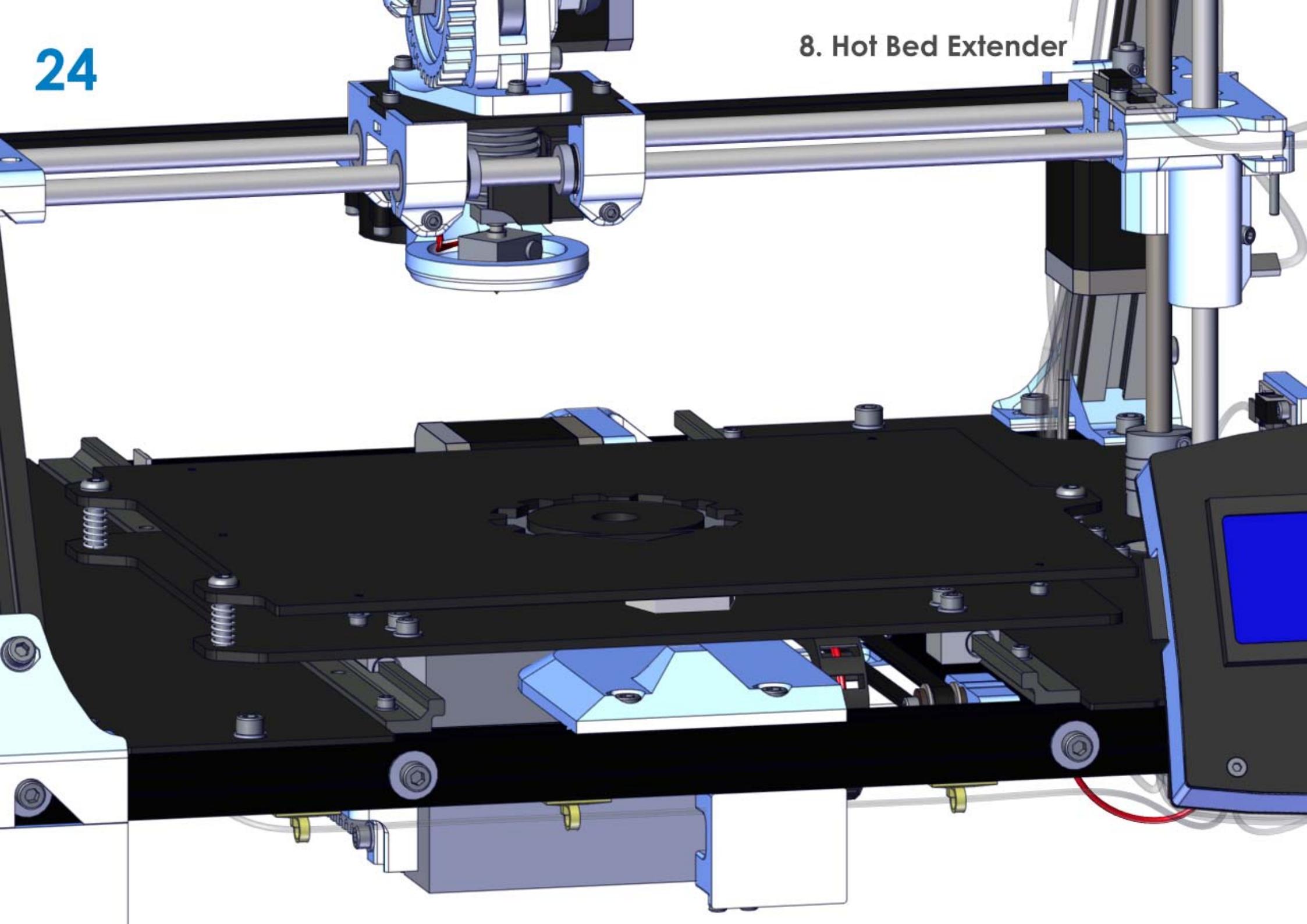
8. Hot Bed Extender



BOM ID	Description	Qty
M2	Hot bed spring	3
M3	DIN7380 M5x20	3
M4	Upper platform + Hot bed	1

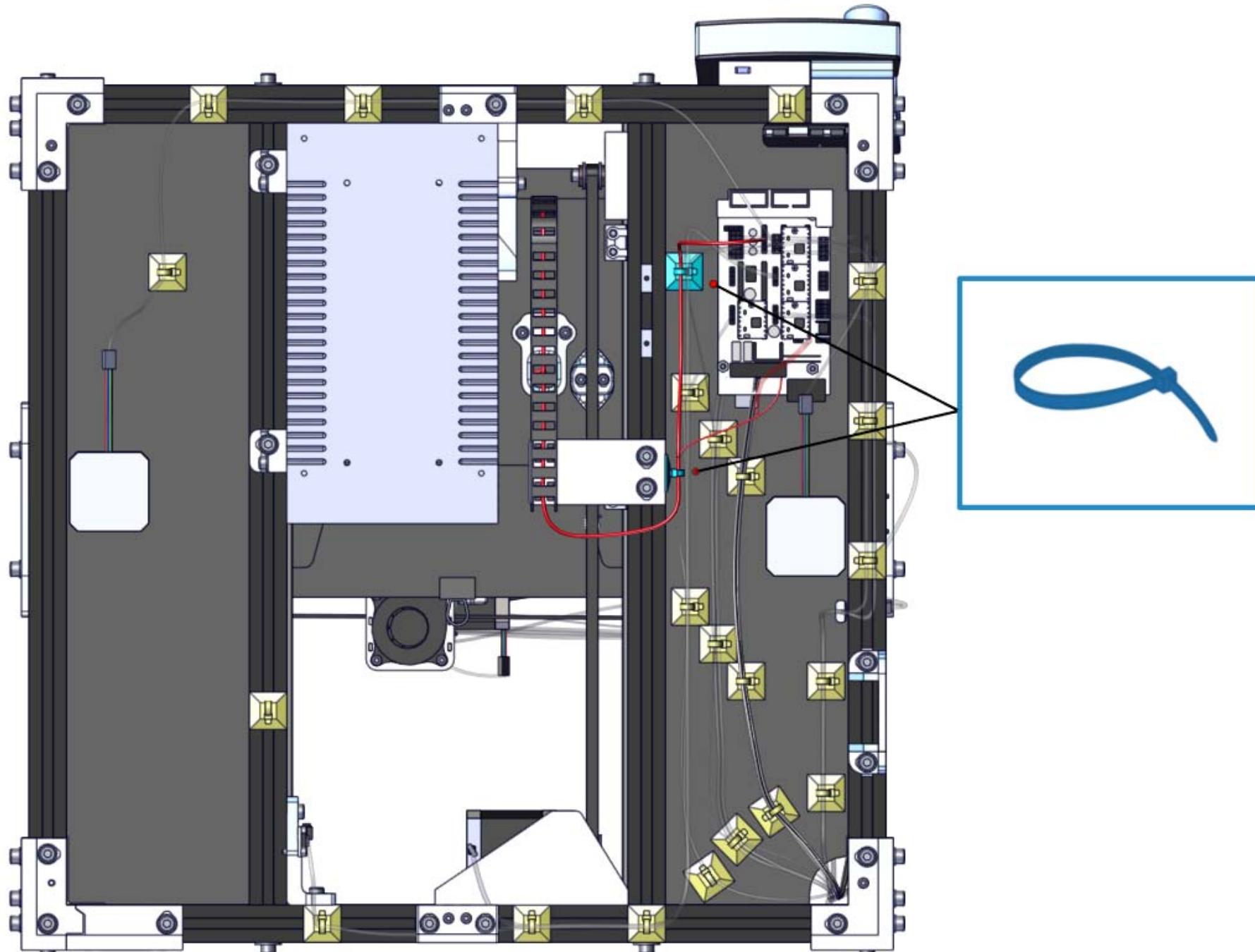
8. Hot Bed Extender

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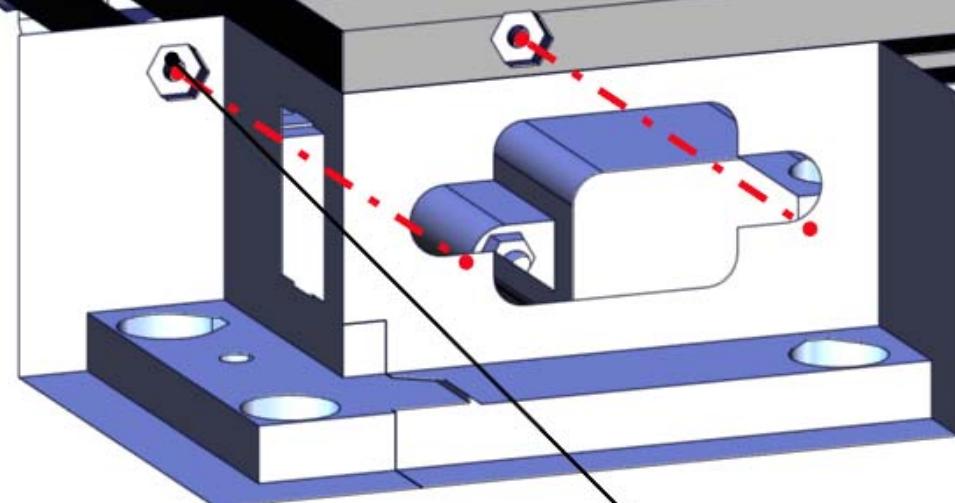
8. Hot Bed Extender

25



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9. Outlet Cable & Outlet to Switch

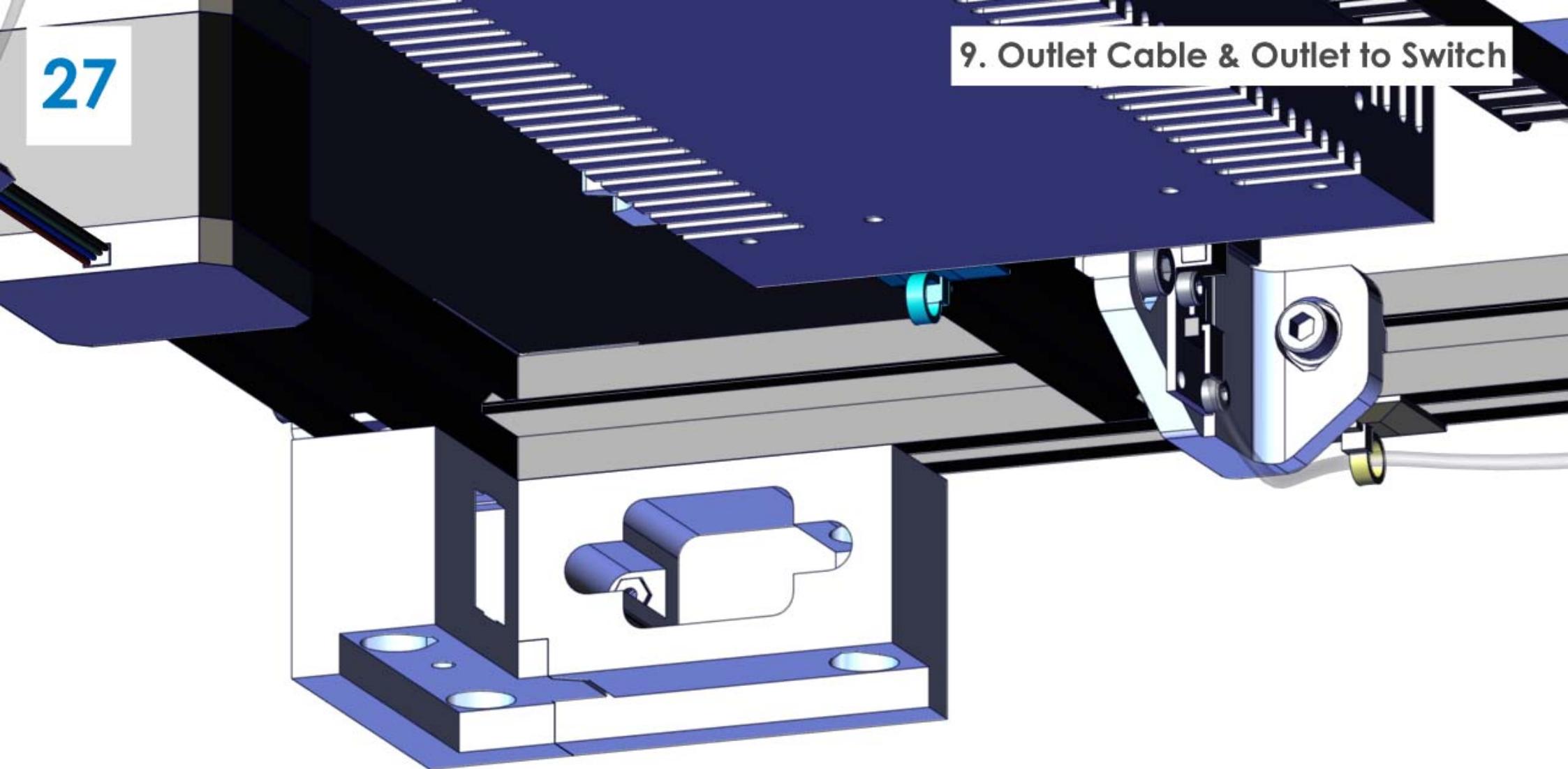


BOM ID	Description	Qty
L1	DIN934 M3	2

L1

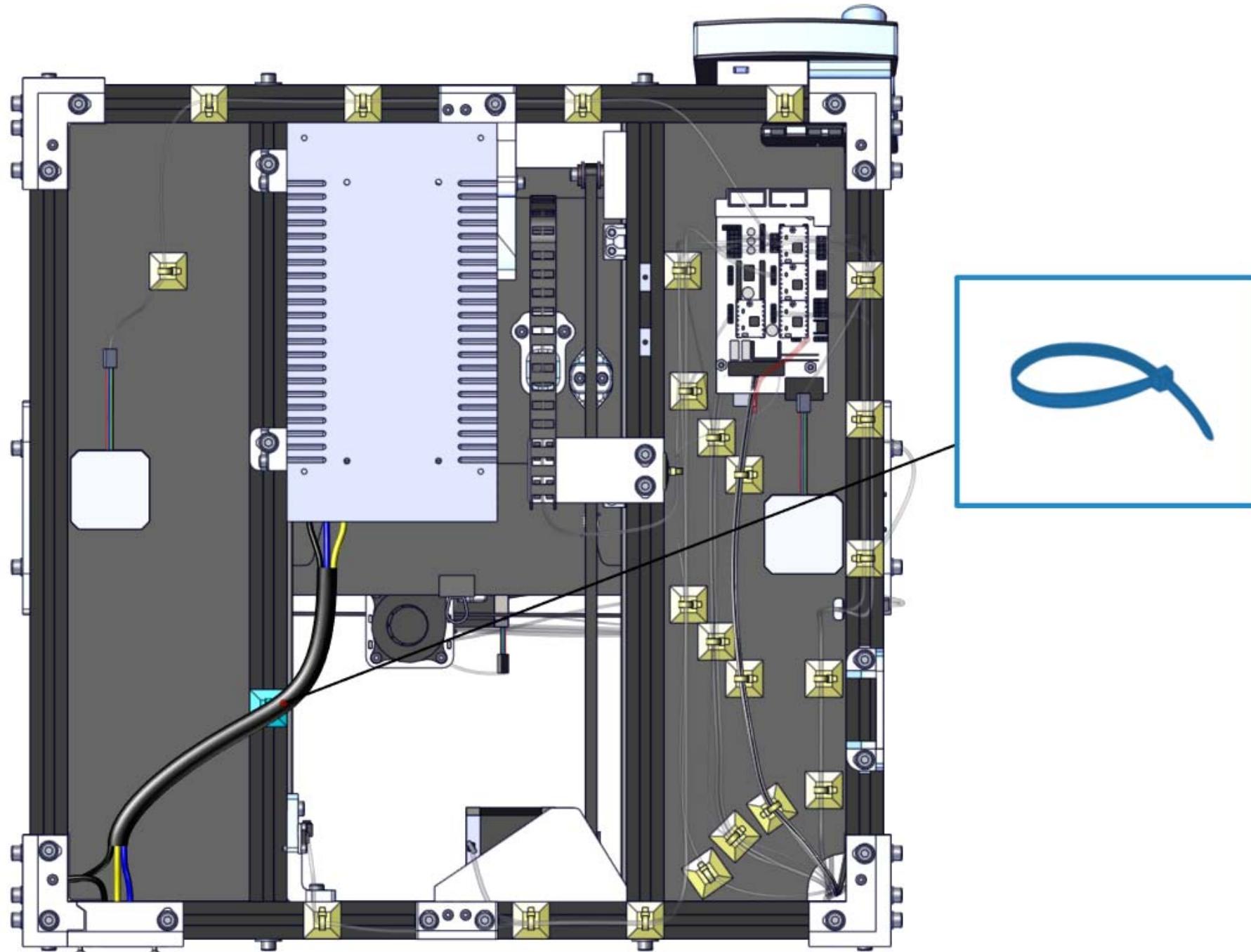
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9. Outlet Cable & Outlet to Switch

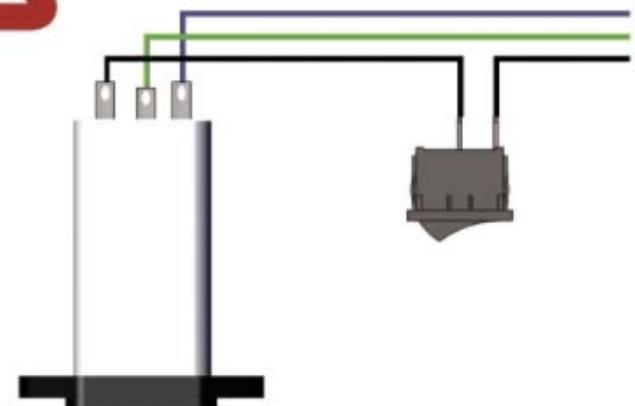


9. Outlet Cable & Outlet to Switch

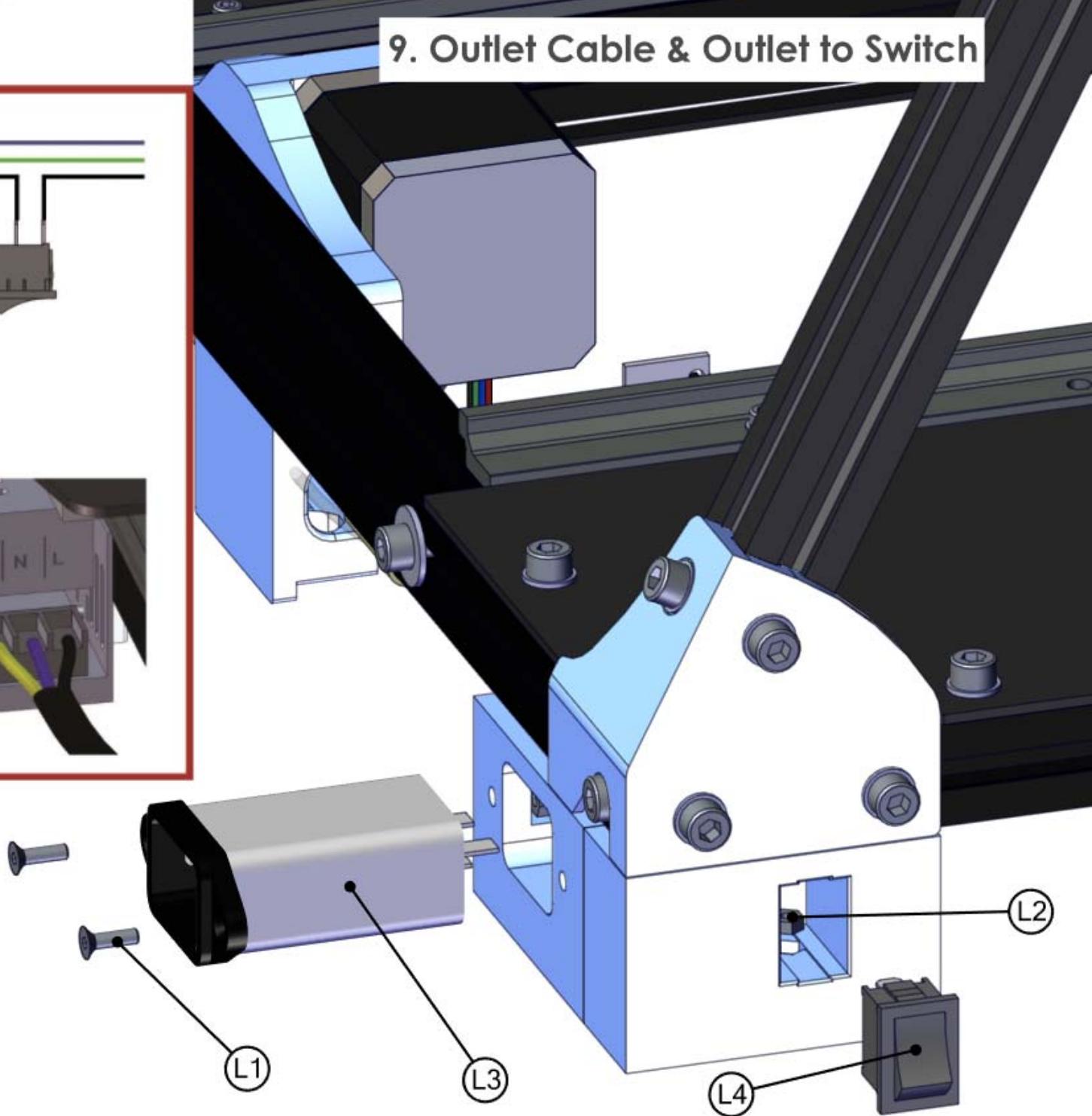
28



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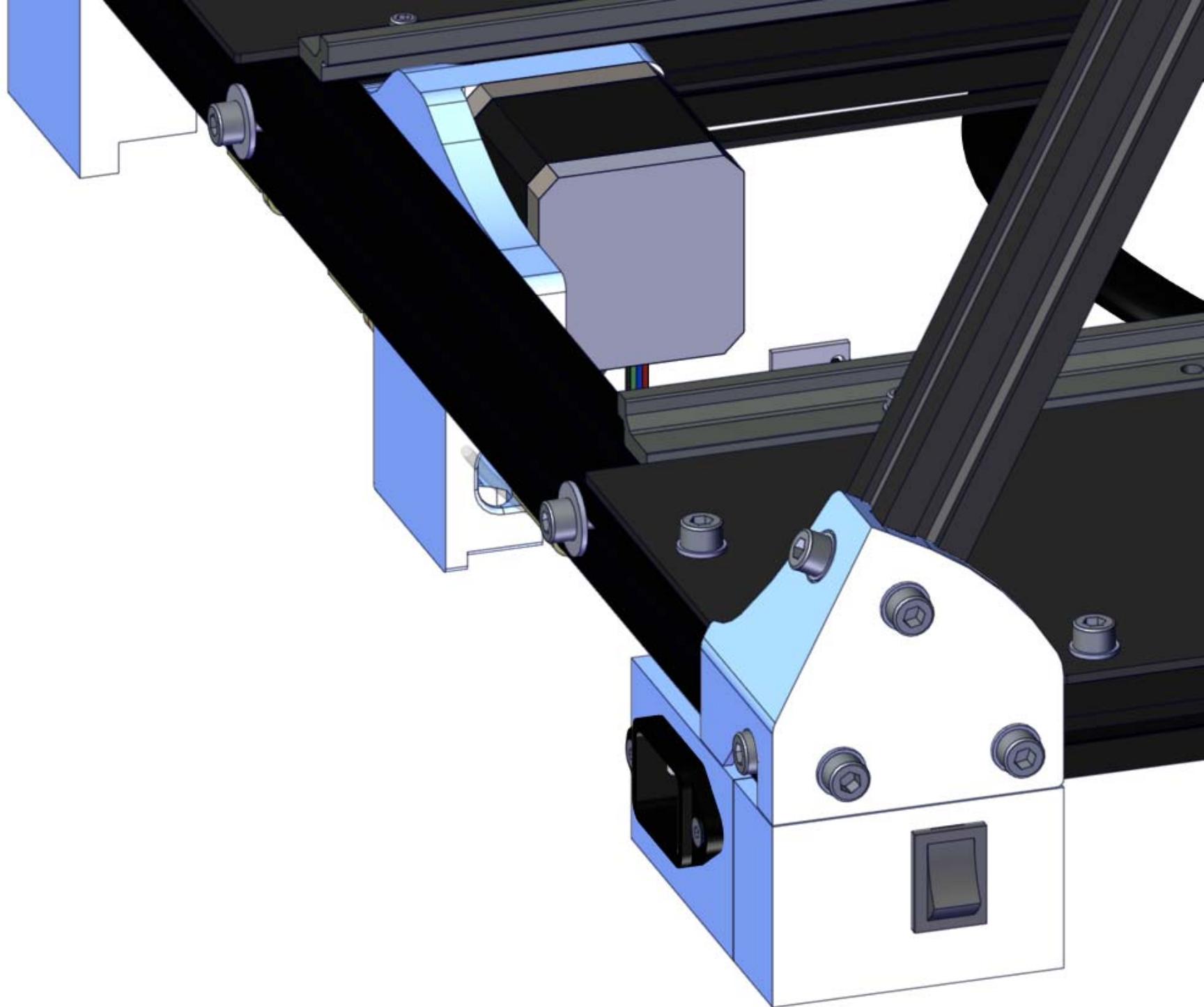


9. Outlet Cable & Outlet to Switch



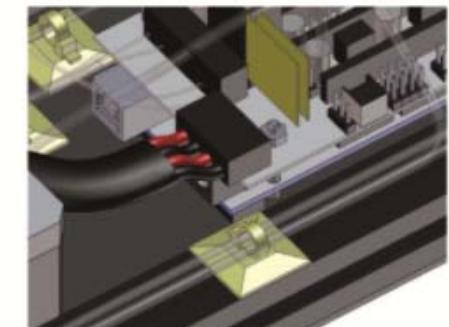
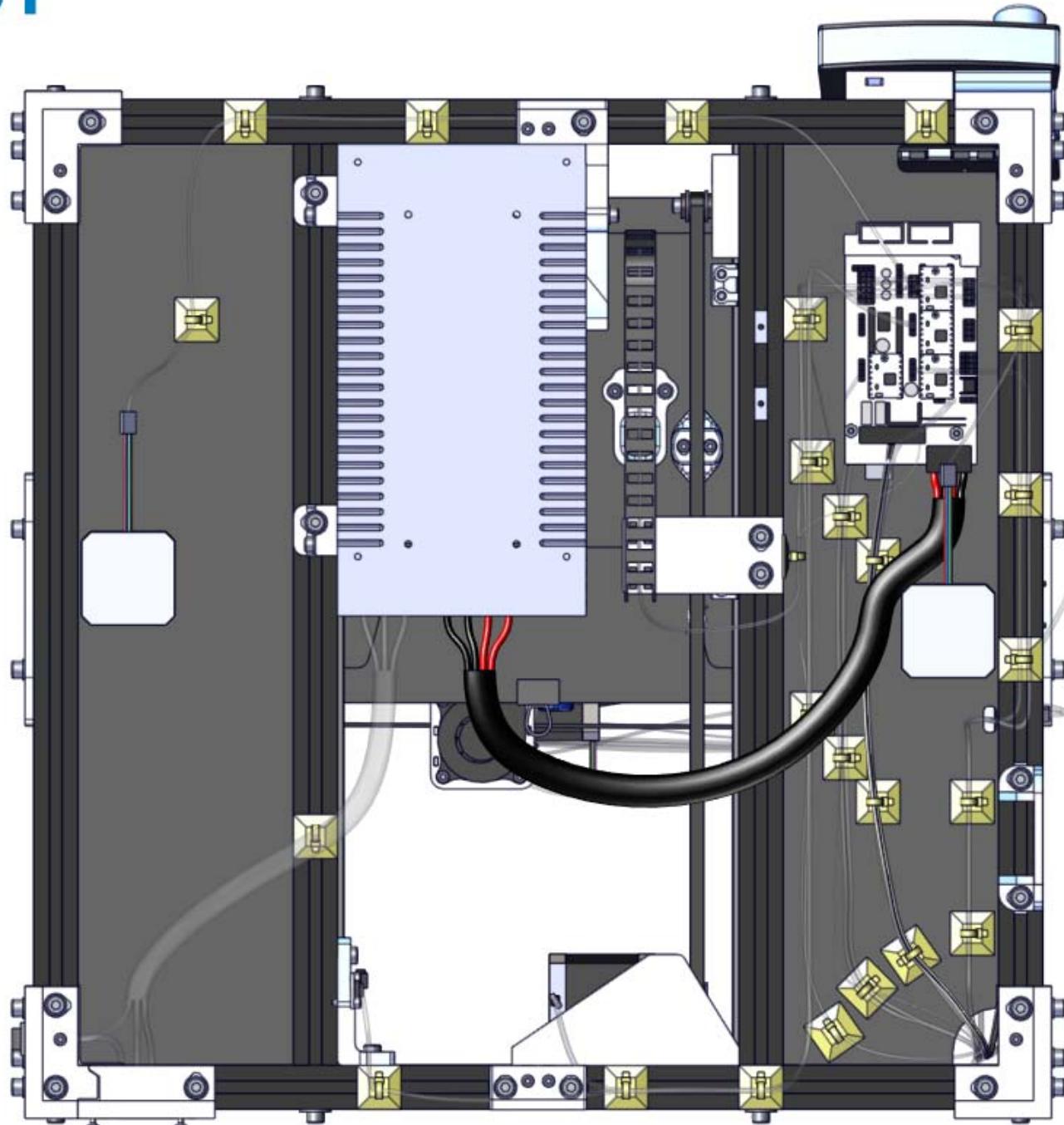
BOM ID	Description	Qty
L1	DIN7991 M3x10	2
L2	DIN934 M3	1
L3	Filtro de red FN9222-1-06	1
L4	Interruptor basculante	1

30

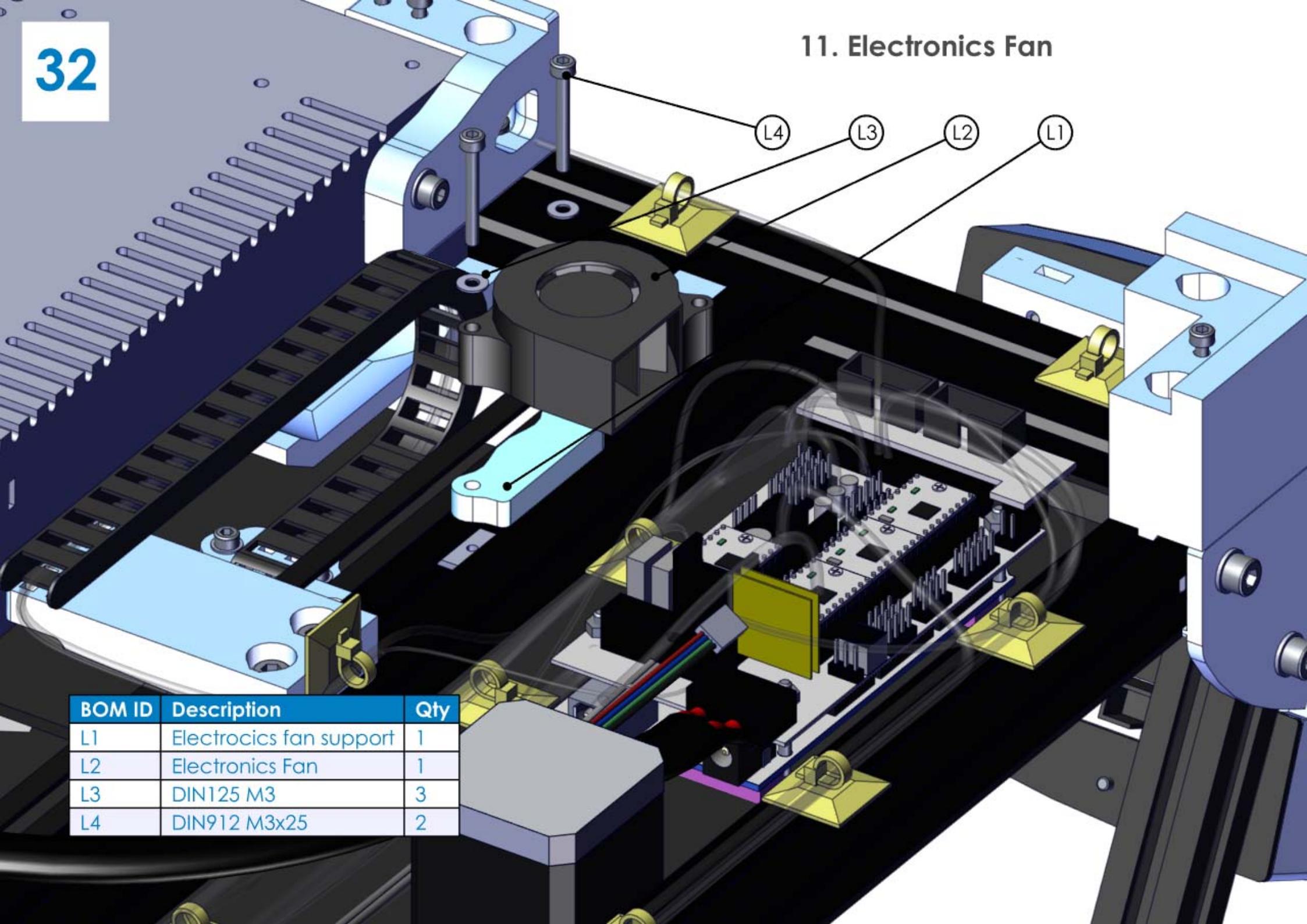


10. Electronics Cable

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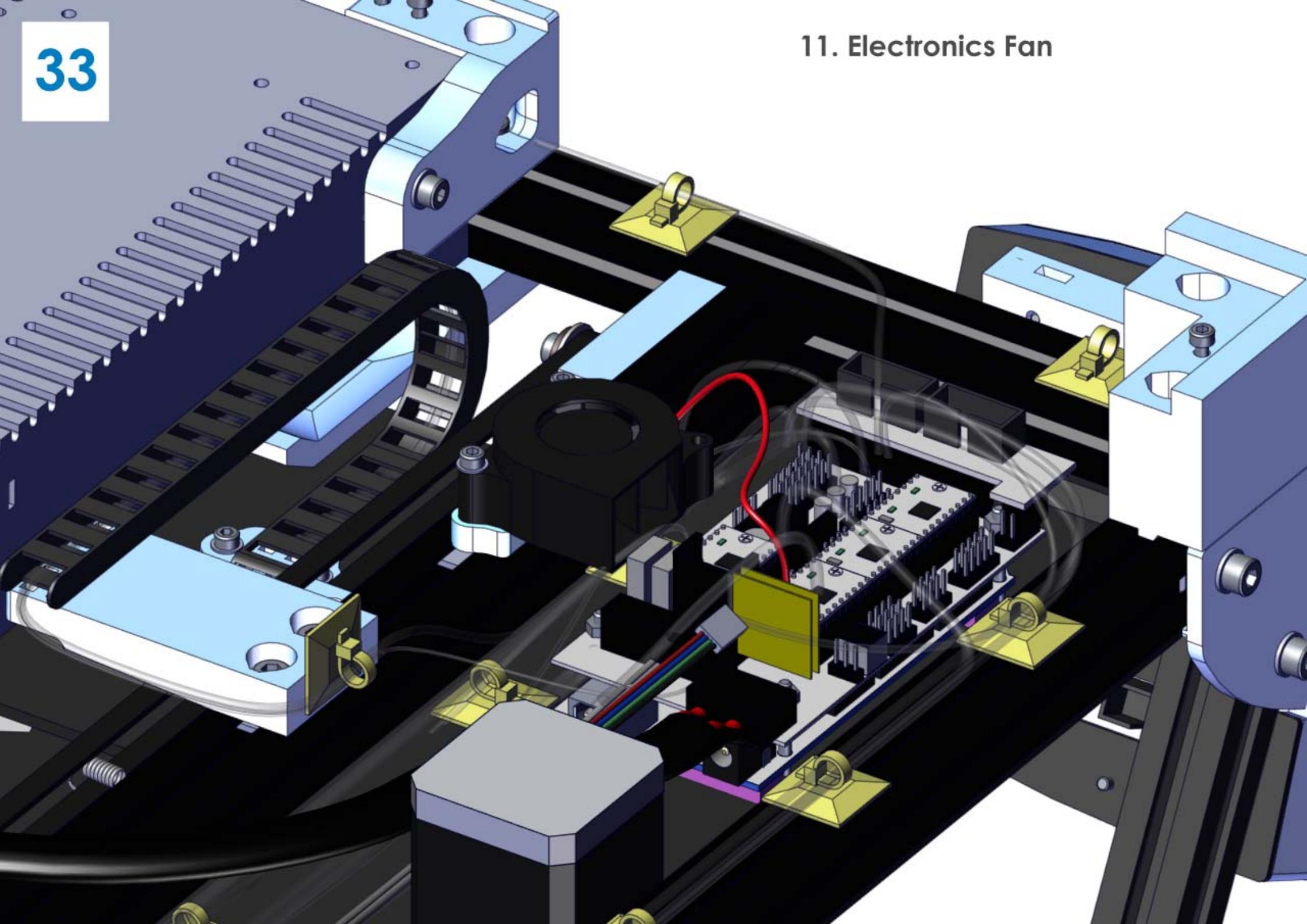


11. Electronics Fan



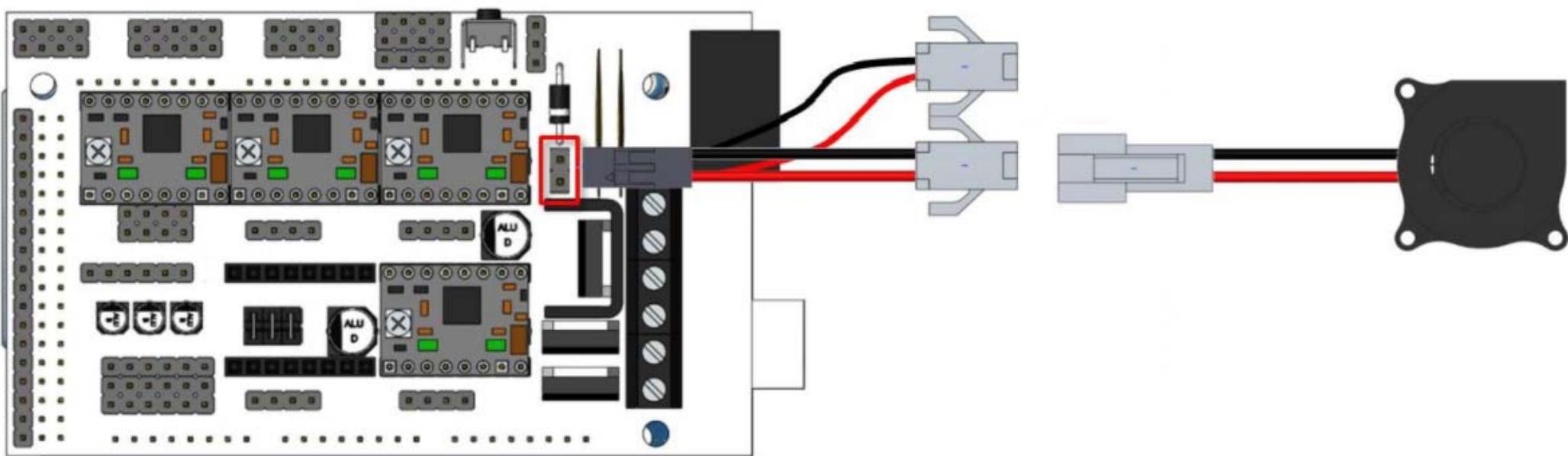
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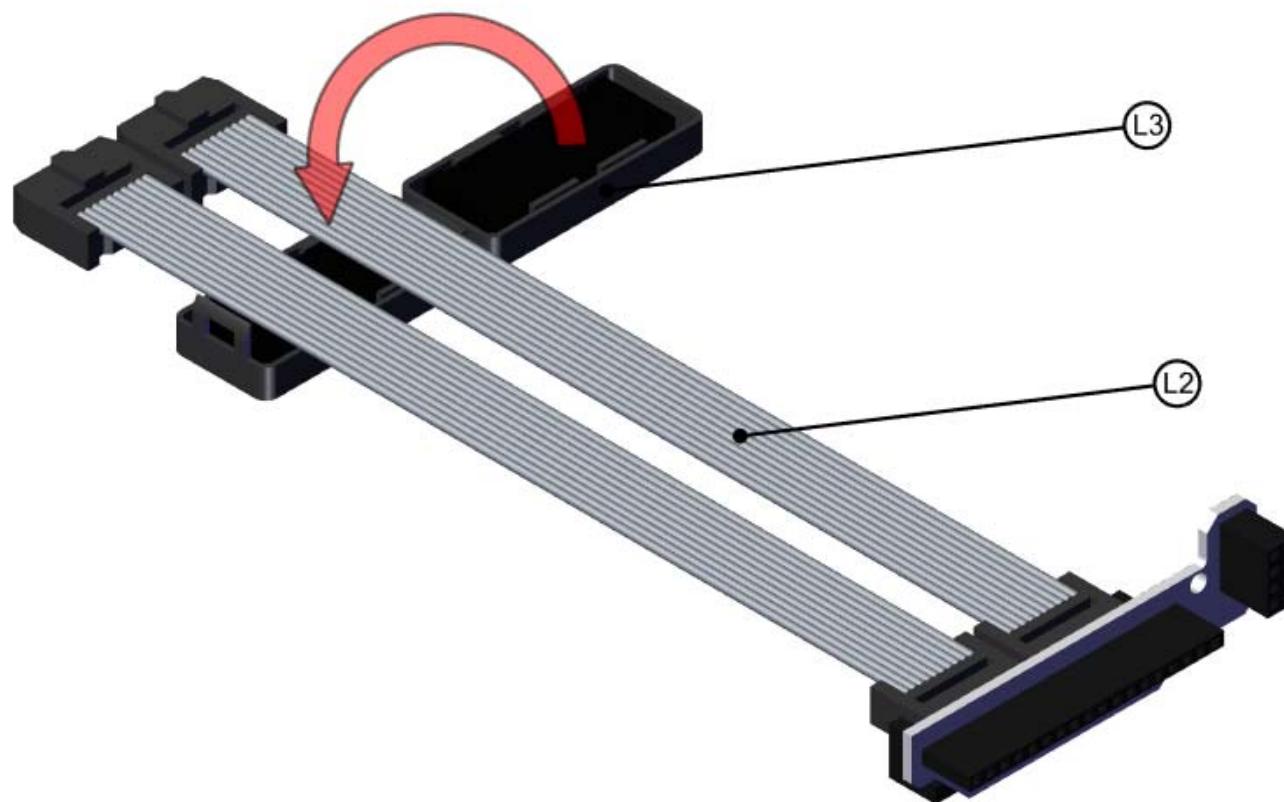
11. Electronics Fan



11. Electronics Fan

34

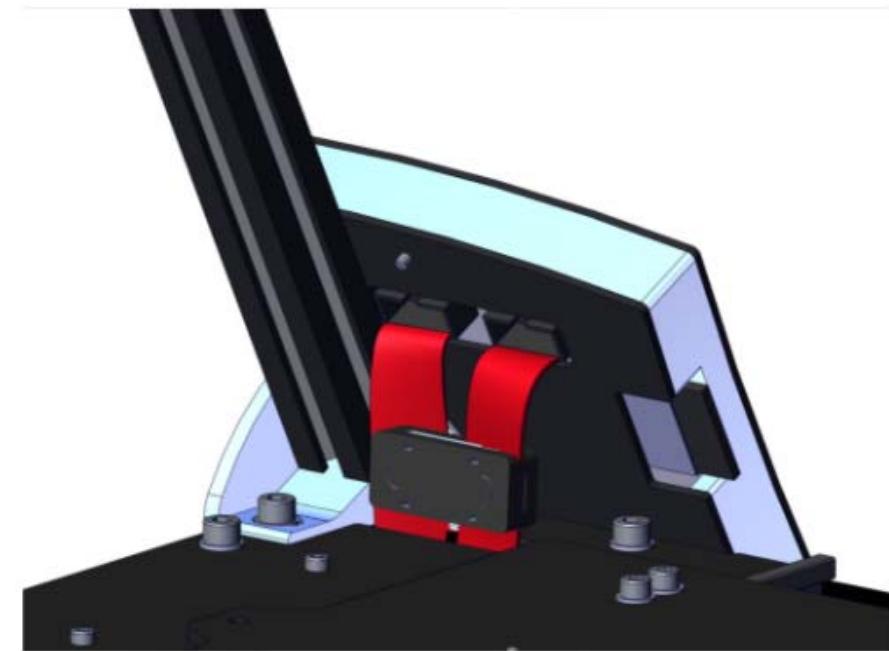
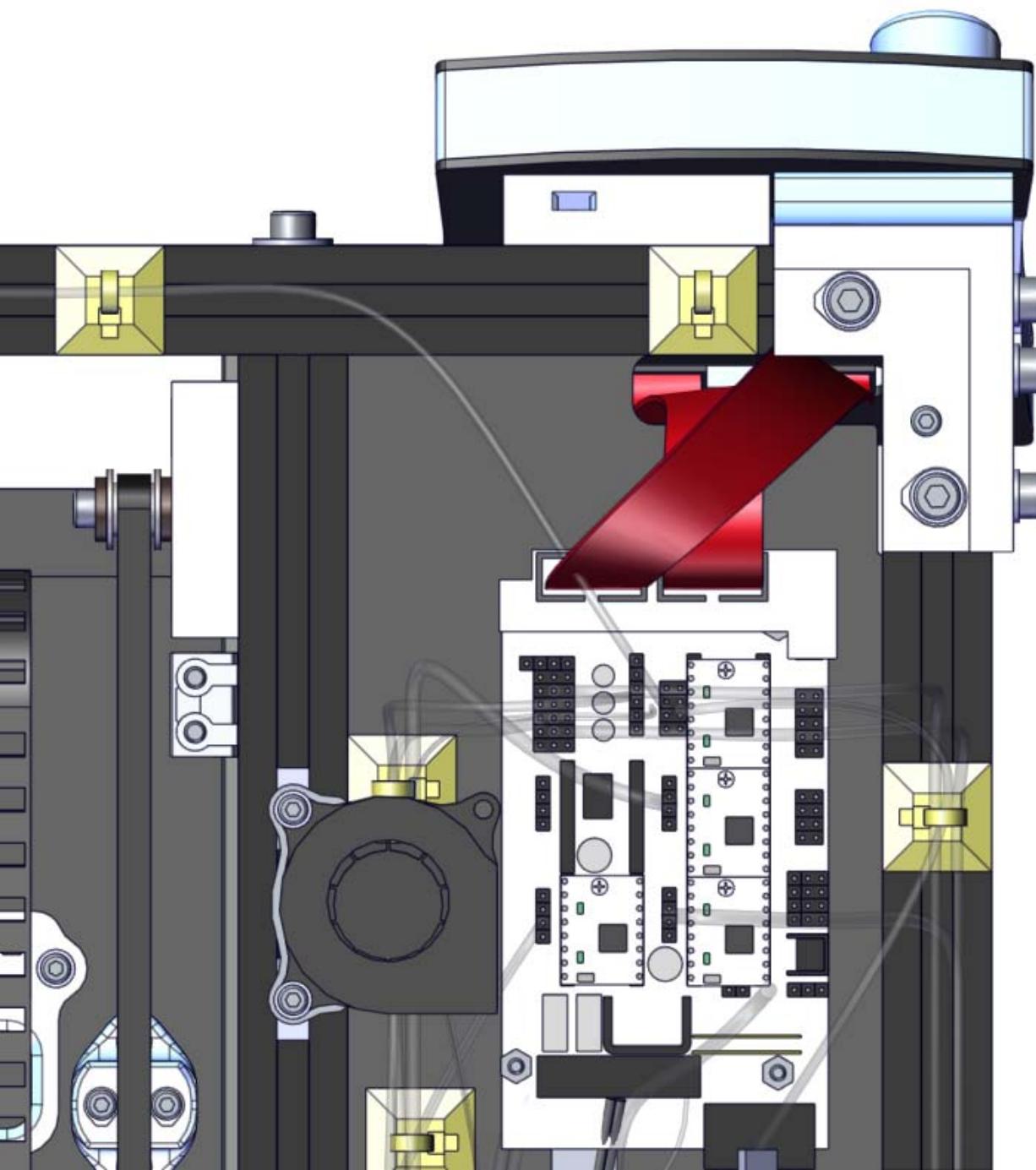


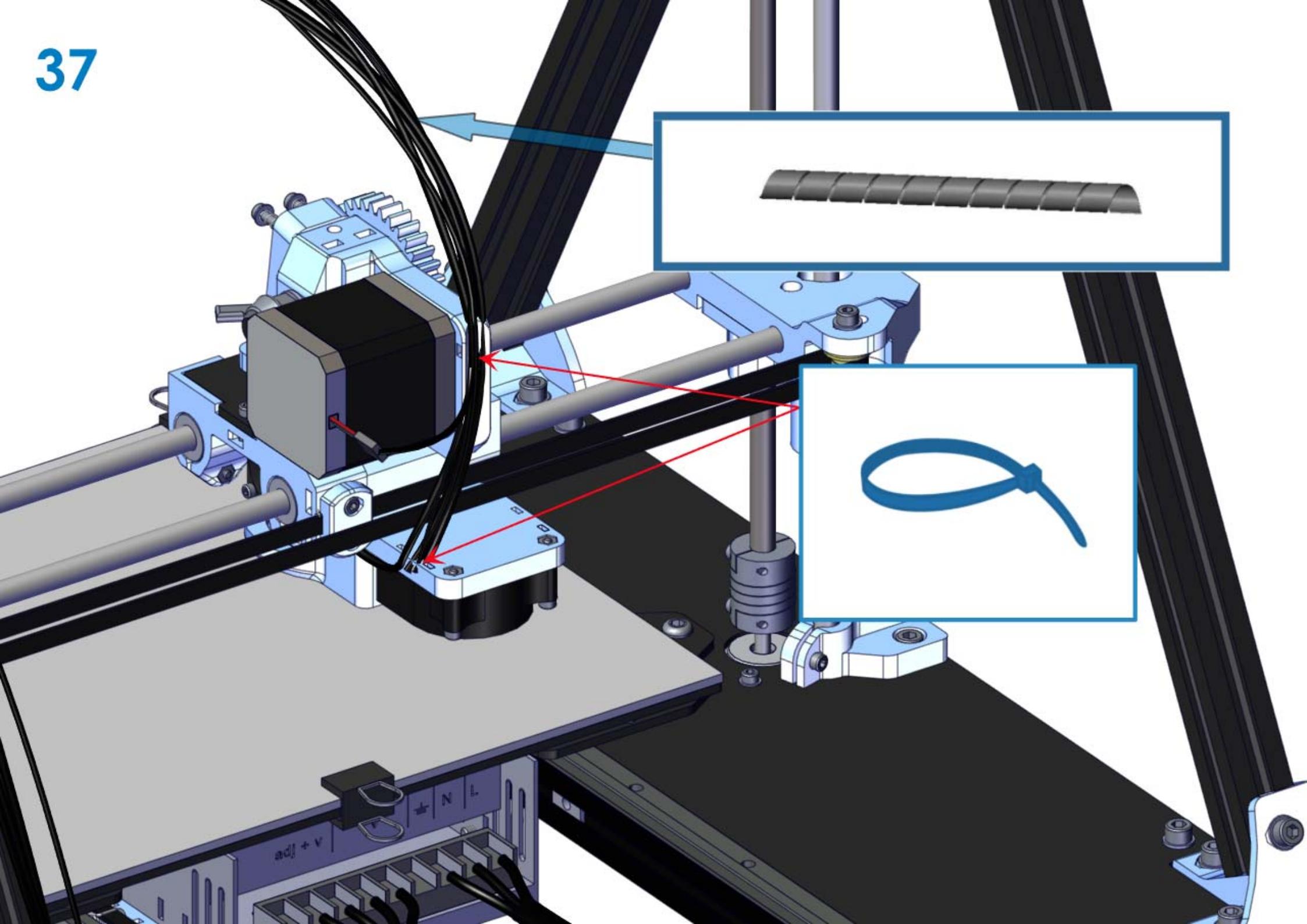


BOM ID	Description	Qty
L2	Ferrita ZCAT3618-2630D	1
L3	LCD cable	1

12. Screen

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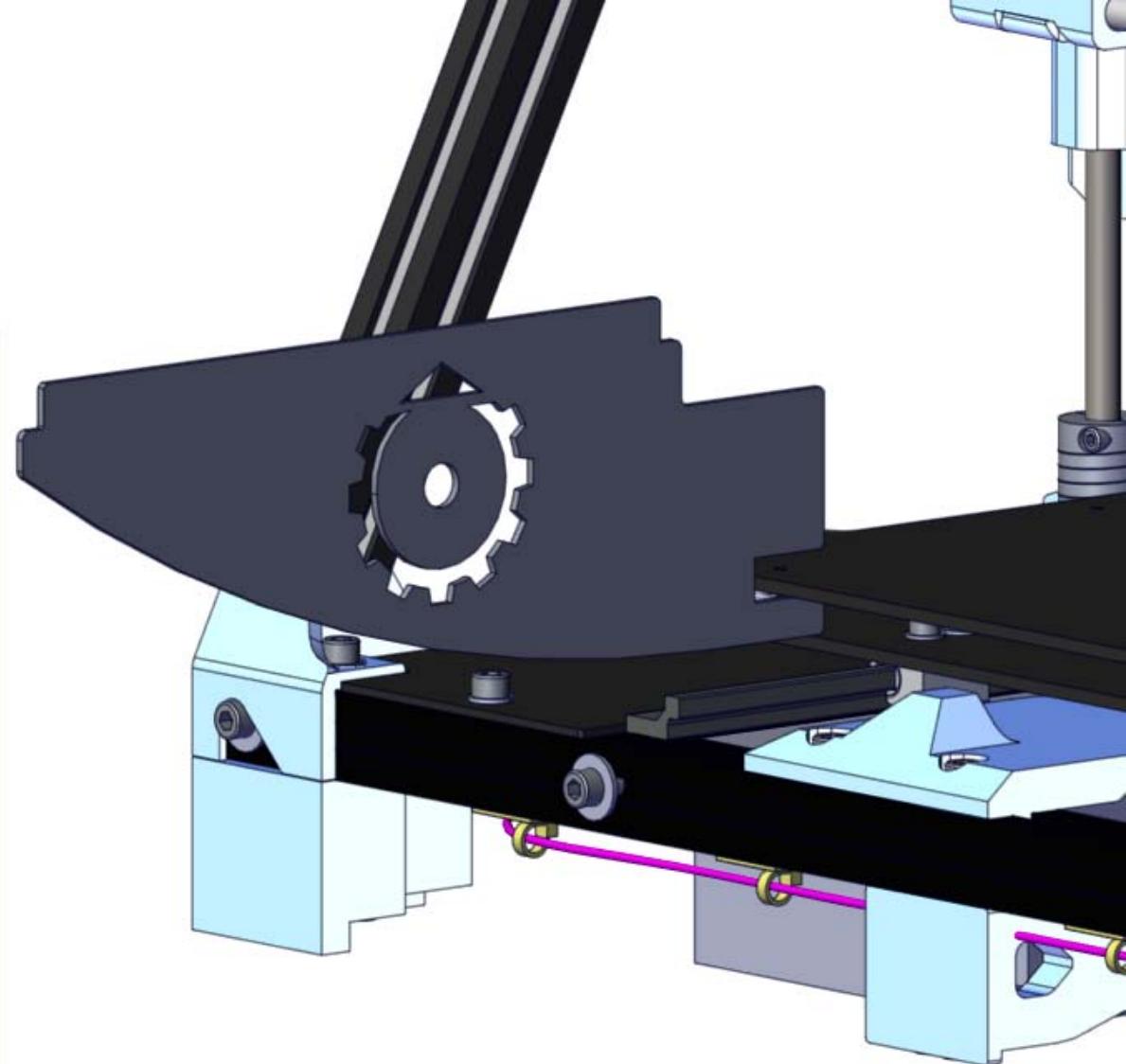


Initial calibration procedure of the platform

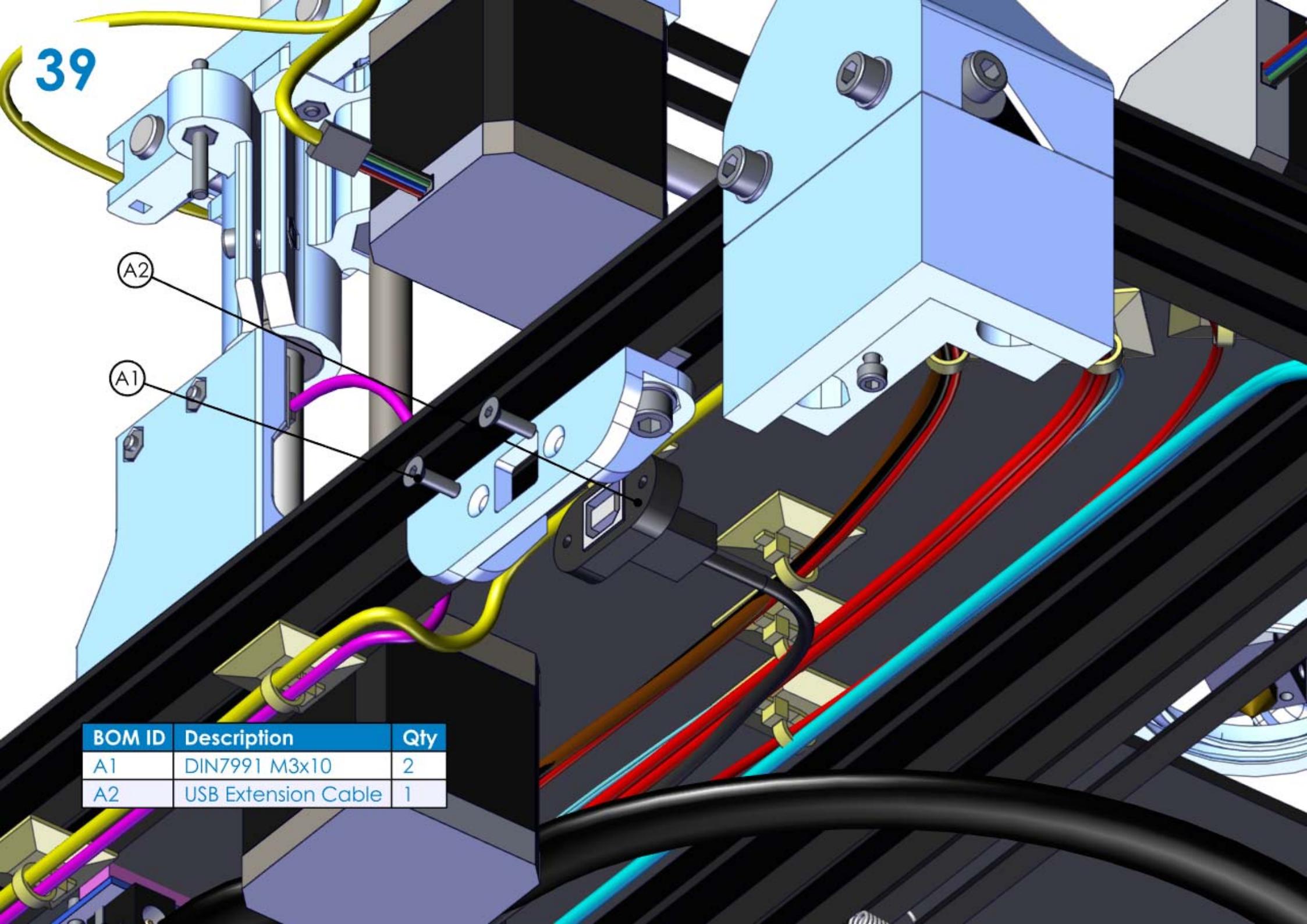
For better robustness and avoid frequent recalibration of the printing surface is necessary to have the springs with minimal compression.

1. Use the tool as a guide. Place the notch between the two aluminum plates, as shown in Figure.
2. Tighten the nearest leveling screw, compressing the spring until the distance between both plates is just the notch of the tool.
3. Repeat the process by placing the tool near the other two leveling screws.

After the set up will end to calibrate of the printer. But the distance between the plates should NEVER be higher than the one right now.

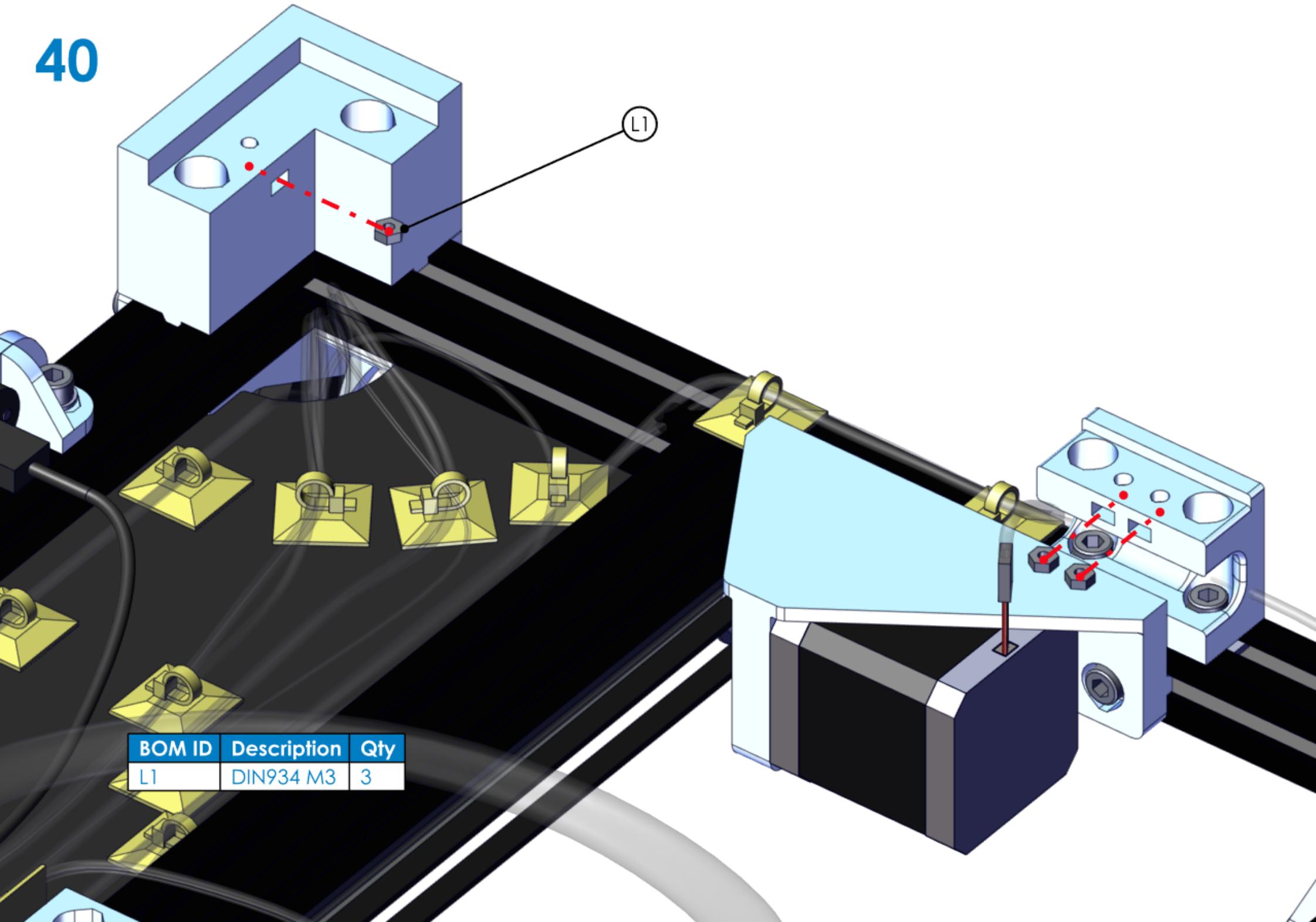


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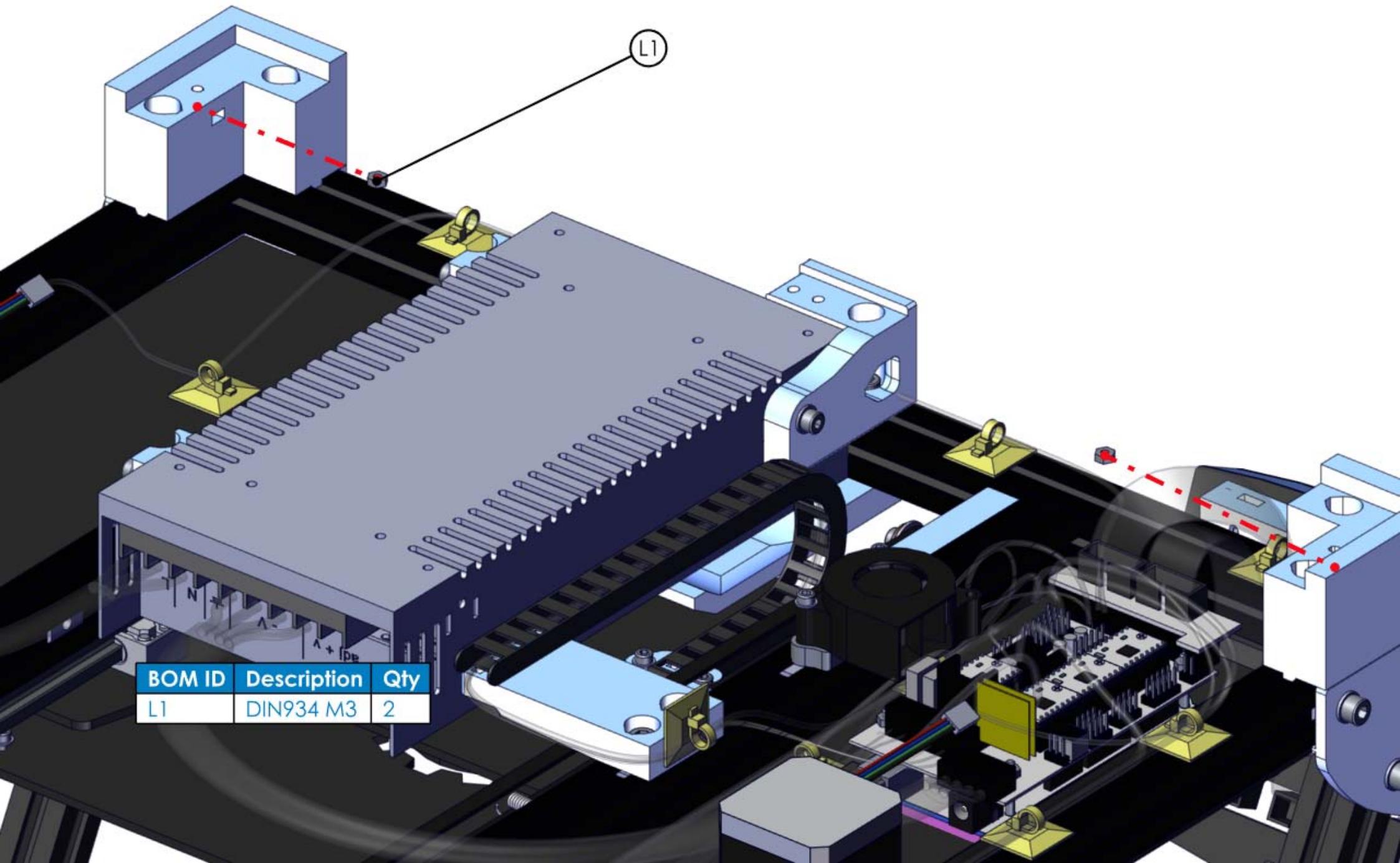


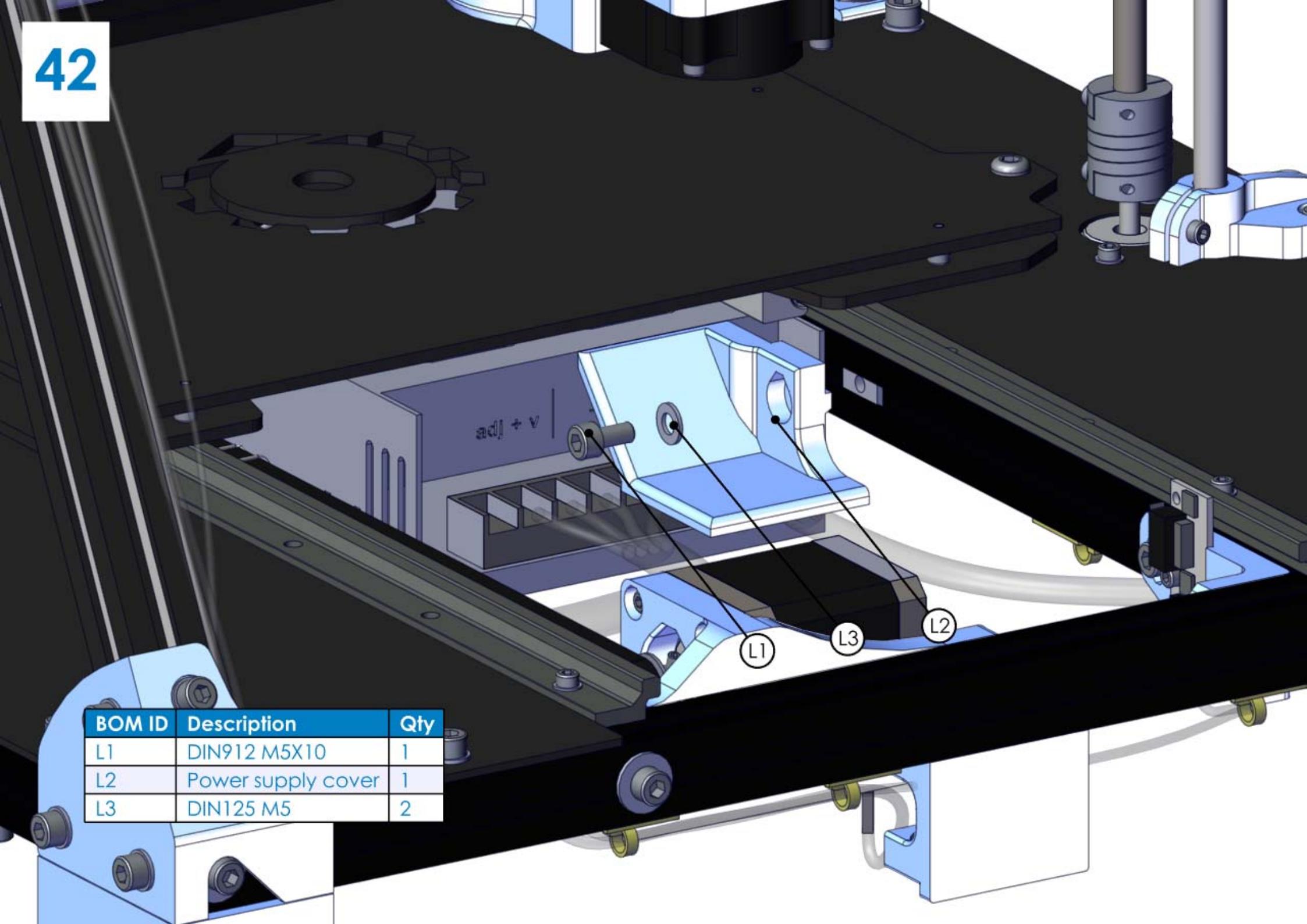
BOM ID	Description	Qty
A1	DIN7991 M3x10	2
A2	USB Extension Cable	1

40

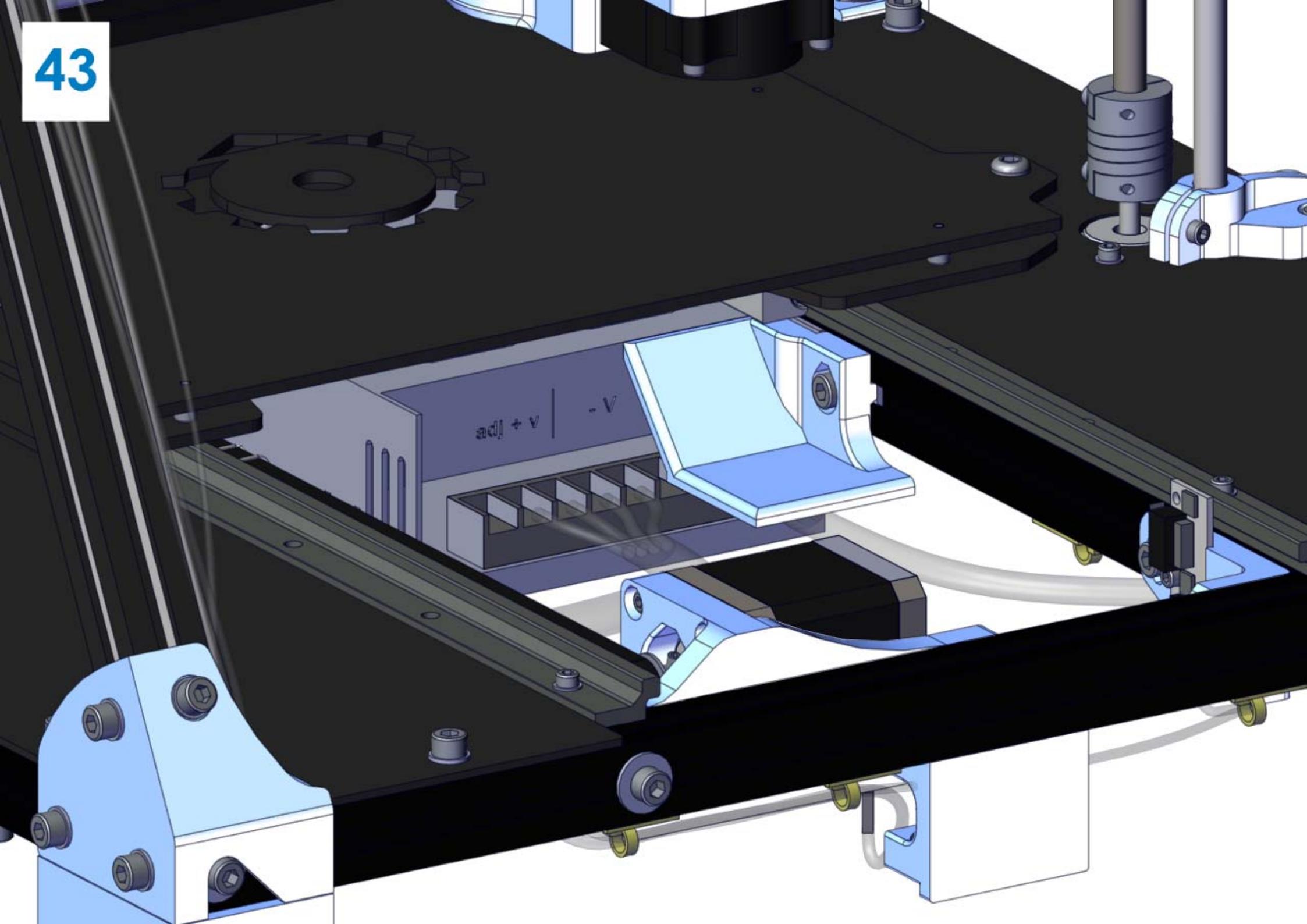


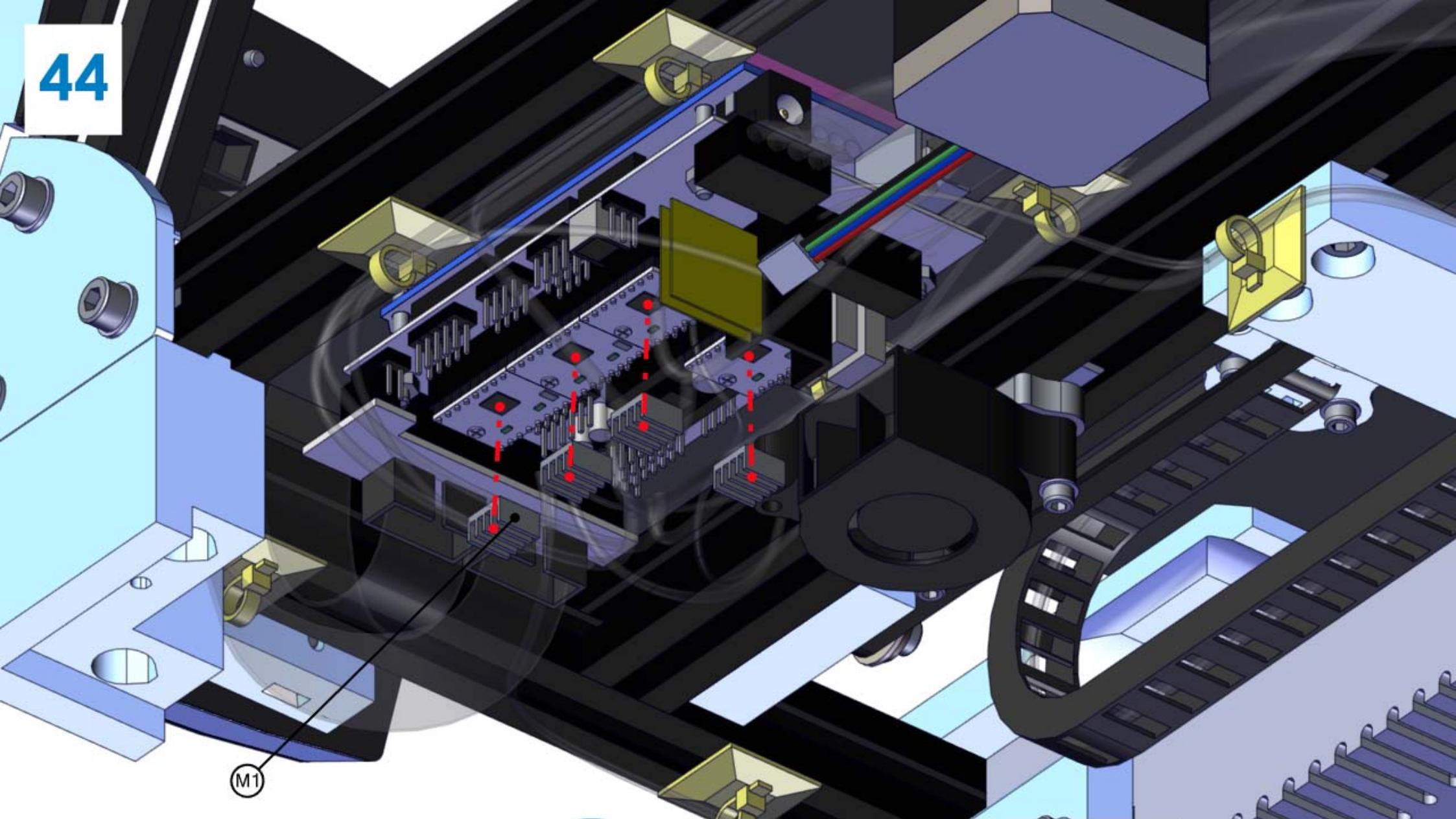
41





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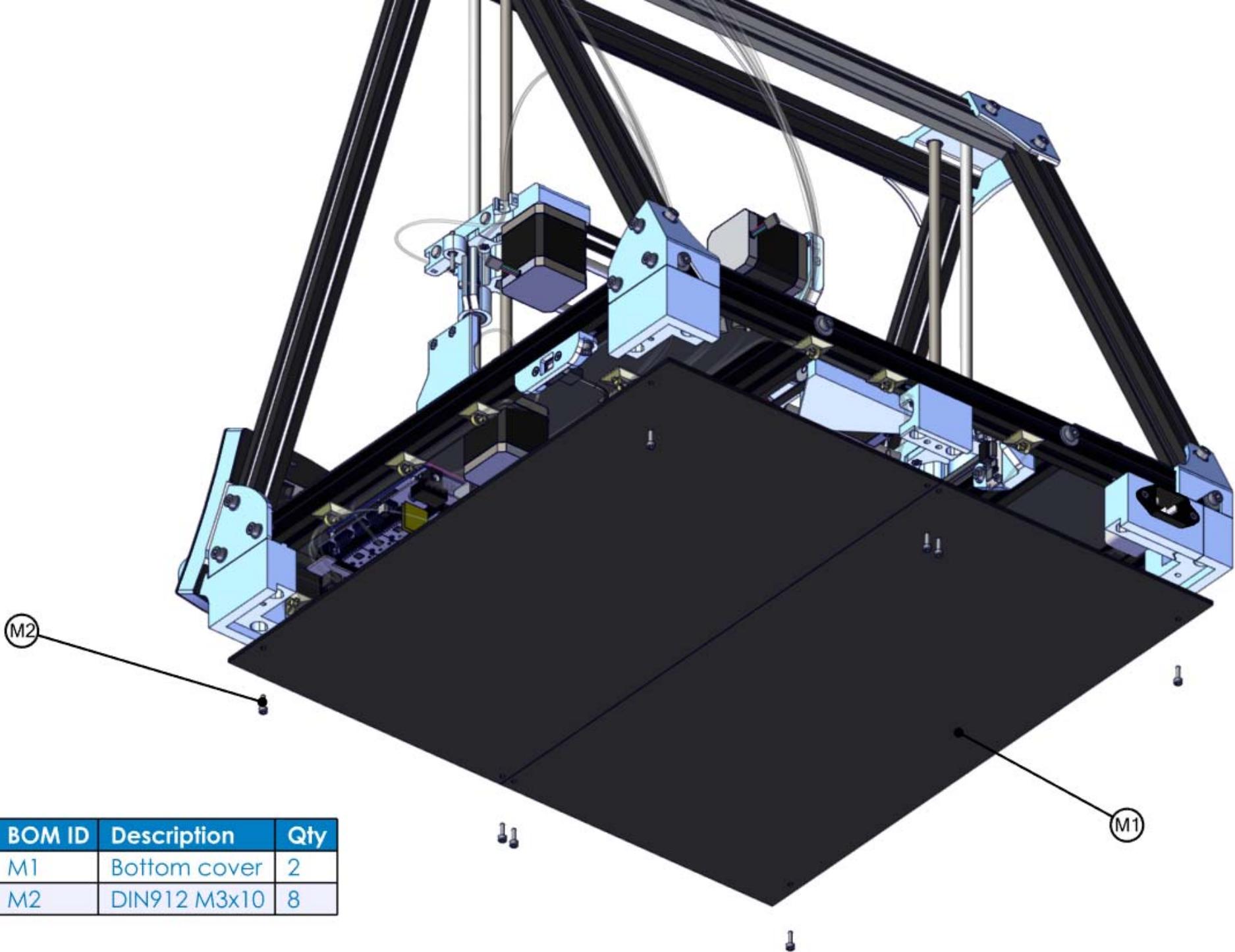
BOM ID	Description	Qty
M1	Pololu sink	4



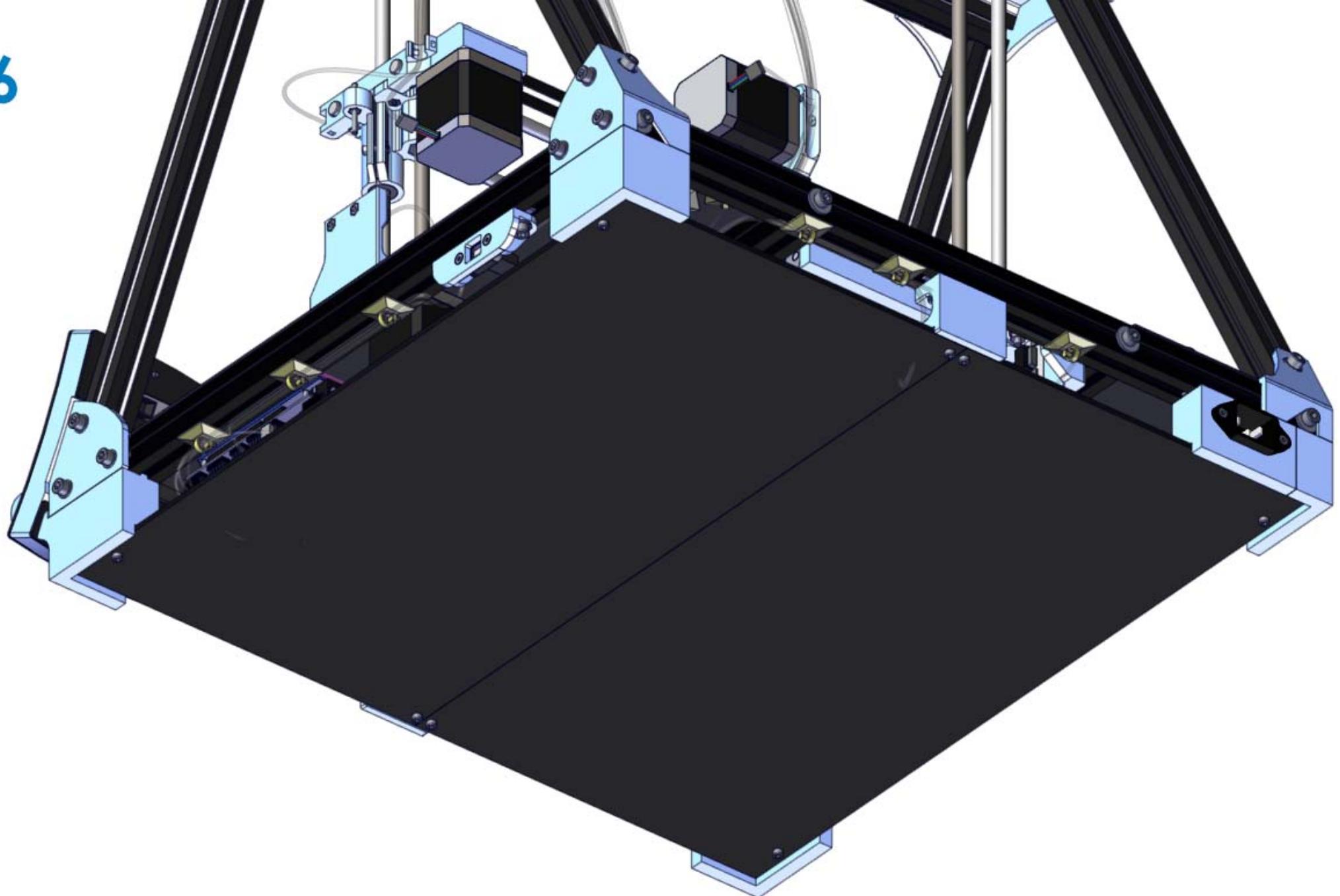
If you have previously installed some purple pololus, is NOT necessary to install the heat sink, these will no longer be included in the kit.

The heatsinks from white pololus is attached by a thin metal sheets adhesive supplied in the plastic box where are the pololus.

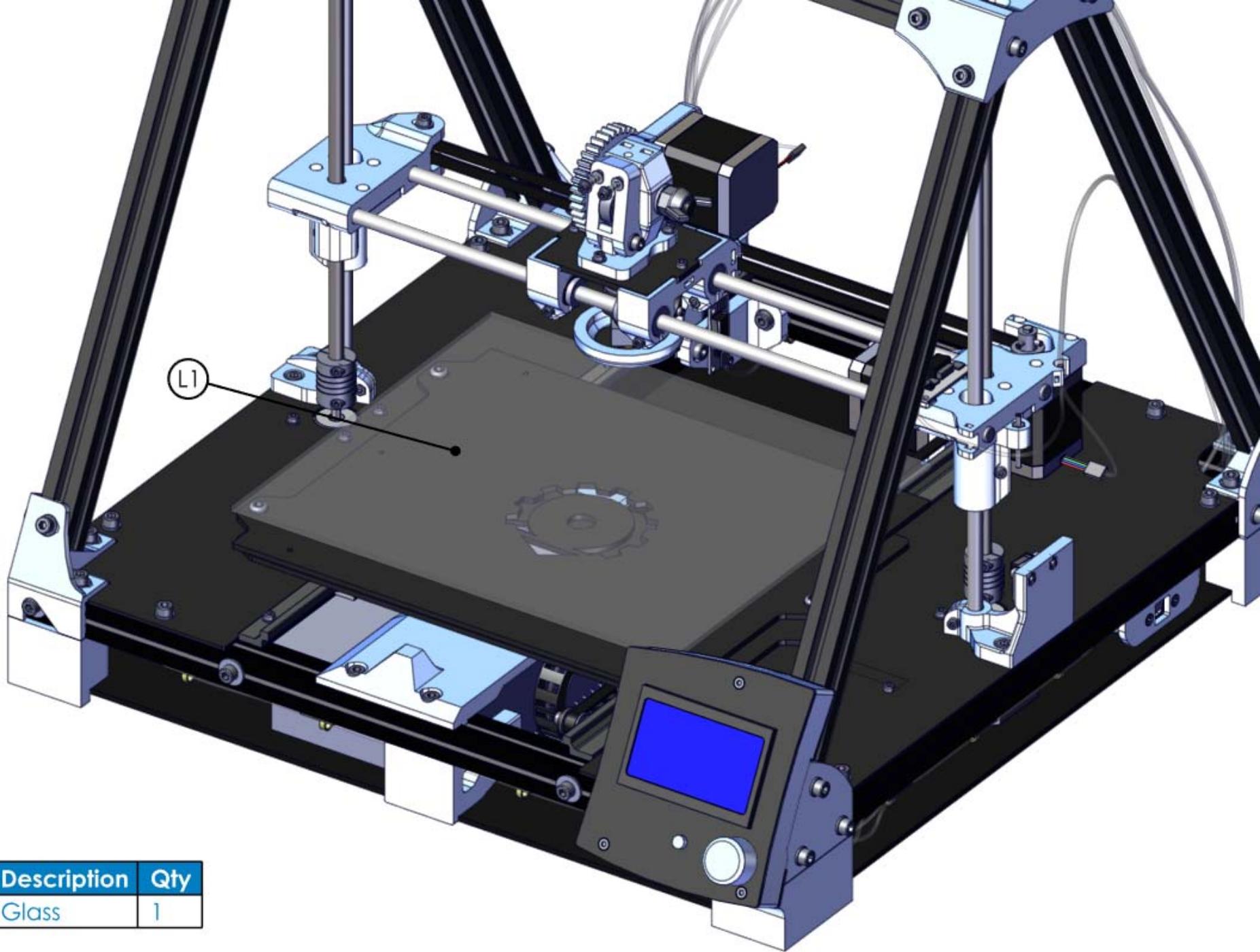
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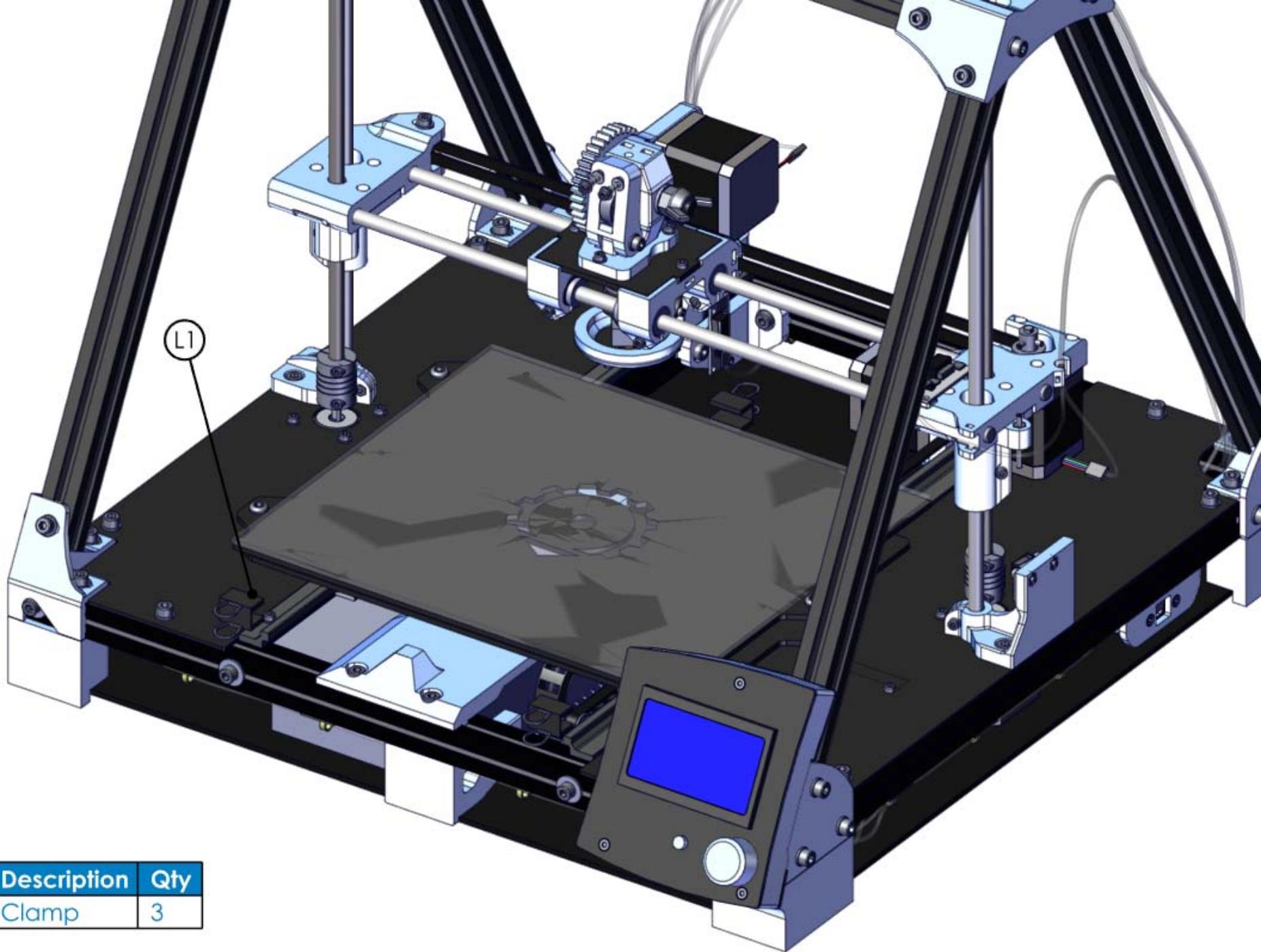
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BOM ID	Description	Qty
L1	Glass	1



BOM ID	Description	Qty
L1	Clamp	3

49

