

See Printer Build Instructions For Corresponding Assembly Steps. **Copyright 2025 Bowler LLC**

Assembly Step	Part Number	Part Name	Quantity	Notes
1.1	F00	Long 4040 Extrusion 1500	2	Cut length 1500 mm
1.2	F01	Short 4040 Extrusion 588	2	Cut length 588 mm
1.3	F02	4020 Extrusion Short 508	2	Cut length 508 mm
1.5	S39	Metal Extrusion Bracket	8	
1.6	F03	4020 Extrusion Medium 680	4	Cut length 680 mm
1.6	P01	Corner Extrusion Bracket 4040	2	
1.6	P02	Corner Extrusion Bracket 4040	2	
1.7	F03	4020 Extrusion Large 680	2	Cut length 680 mm
1.7	P03	Corner Extrusion Bracket 4020	2	
1.8	F04	4020 Extrusion Large 950	2	Cut length 950 mm
1.9	S39	Metal Extrusion Bracket	6	
1.10	P04	2020 To 4020 Bracket	5	
1.10	F05	2020 Extrusion 1500	2	Cut length 1500 mm
1.11	P13	Nozzle Catcher Plate	1	
1.11	P12	Nozzle Catcher Mount	1	
1.13	P05	Wire Brace Mount	1	
1.14	F05	2020 Extrusion 1500	8	Cut length 1500 mm
1.14	P14	Rear Post Mount	1	
1.14	P15	Rear Post Mount Mirrored	1	
1.15	P16	2020 Extrusion Bracket	16	
1.16	P17	Left Motor Mount	1	
1.16	P18	Right Motor Mount	1	
1.17	S01	Stepper Motor	4	
1.18	S01	Stepper Motor	4	
1.19	S02	M5x60	2	
1.19	S03	M5x30	2	
1.19	S04	M5x80	4	
1.19	S05	M5x90	4	
1.19	S06	M5x110	4	
1.19	S38	Idler Bearing Pulley	16	
1.19	PS00	27.25	2	
1.19	PS01	1.75	8	
1.19	PS02	3.75	2	
1.19	PS03	8.25	2	
1.19	PS04	10.25	6	
1.19	PS05	19.75	2	
1.19	PS06	11.25	2	
1.19	PS07	12.75	2	
1.19	PS08	4.25	2	
1.19	PS09	15.75	2	
1.19	PS10	7.25	2	

2.1	P30	Z Drive Bed Plate Mirror	2	
2.1	P29	Z Drive Bed Plate	2	
2.1	P24	Bed T Support Plate	4	
2.2	C02	1000	2	Cut length 1000 mm
2.2	C01	399	2	Cut length 399 mm
2.2	C00	261	2	Cut length 261 mm
2.3	P26	Bed Right Angle Plate	2	
2.3	P27	Bed Right Angle Plate Mirror	2	
2.3	P25	Bed T Support Plate Top	4	
2.4	F06	Bed 4040 Extrusion 1074	1	Cut length 1074 mm
2.4	P22	Bed Support Bar Clasp	4	
2.4	P23	Bed Support Bar Plate	4	
2.5	S13	Lead Screw Nut	4	
2.6	S14	M4x40 Countersunk	12	
2.6	S15	410x410 Plate	3	
2.6	S12	M4 Hex Nut	12	
2.7	S11	Bed Compression Spring	12	
2.8	P28	Thumb Nut EMBED NUT WITHIN	12	Embed S12 into this during the print
2.8	S12	M4 Hex Nut	12	
3.1	S01	Stepper Motor	4	
3.1	P19	Z Stepper Plate	2	
3.1	P20	Z Stepper Plate Mirror	2	
3.2	S07	Shaft Coupler	4	
3.3	S08	Lead Screw	4	
3.5	S09	Lead Screw Pillow Block	1	
3.5	P21	Pillow Block Mount Plate	1	
3.6	S10	End Stop (Limit Switch)	1	
3.7	S09	Lead Screw Pillow Block	3	
3.7	P21	Pillow Block Mount Plate	3	
3.7	S10	End Stop (Limit Switch)	3	
4.1	S16	Power Supply	2	Widen holes with drill bit if using M5 fasteners
4.2	S10	End Stop (Limit Switch)	4	
4.2	P31	Limit Switch Attachment Mount	4	
4.4	P32	Main Board Bottom Cover	1	
4.4	P33	Main Board Support Bracket	1	
4.4	S17	Duet 6HC	1	
4.5	P34	Main Board Top Cover	1	
4.6	P35	Expansion Board Bottom Cover	4	
4.6	P36	Expansion Board Support Bracket	4	
4.6	S18	Duet Expansion 3HC	4	
4.7	P37	Expansion Board Top Cover	4	
4.10	S00	Bearing	4	
4.10	P07	Wire Support Pivot Column	2	

4.10	P08	Wire Support Pivot Column Mirrored	2	
4.10	P10	Wire Pivot	2	
4.10	P11	Wire Pivot Mirror	2	
4.10	P09	Wire Pivot Nut	4	
4.11	P06	Wire Collar Mount Plate	1	
4.13	S20	SSR	3	
4.13	S23	Heatsink for SSR	3	
4.14	S24	Cooling Fan	1	
4.14	P38	Heatbed Electronics Support Plate	1	
4.15	S22	Return Power Rail	1	
4.15	S25	Circuit Breaker	1	
4.15	S21	Power Rail	1	
4.17	P40	Axis Motor Fan Mount Mirror	1	
4.17	P39	Axis Motor Fan Mount	1	
4.18	S24	Cooling Fan	2	
4.19	P41	Electronics Cooling Fan Mount	2	
4.19	S24	Cooling Fan	2	
4.21	S26	Emergency Stop Button	1	
4.21	P00	Emergency Stop Button Mount	1	
5.1	S00	Bearing	4	
5.1	P43	Print Head Wire Pivot	4	
5.1	P10	Wire Pivot	4	
5.1	P09	Wire Pivot Nut	4	
5.2	S32	Extruder Assembly	4	
5.2	P44	Hotend Adapter	4	
5.3	P46	Extruder Assembly Plate	4	
5.3	*S32	Extruder Stepper Motor	4	
5.4	S31	Hotend Assembly	4	
5.5	S10	End Stop (Limit Switch)	4	
5.6	S34	Blower Fan	4	
5.7	S33	Rail Roller Bearing	8	
5.7	P45	Extruder Mounting Plate	4	
5.10	P47	Flow Duct	4	
6.2	S29	VWheel Slider	4	
6.3	P42	Slider Mount	2	
6.4	S27	M5x30	2	Same as S03
6.4	S28	M5x60	2	Same as S02
6.4	PS12	2.5	2	
6.4	PS11	3	2	
6.4	PS14	7	2	
6.4	PS13	28.5	2	
6.4	S40	Idler Bearing Pulley No Teeth	2	

6.4	S38	Idler Bearing Pulley	2	
6.5	S30	Carbon Fiber Rod Support Clasp	4	
6.6	C03	598	2	Cut Length 598 mm
6.8	S29	VWheel Slider	4	
6.9	P42	Slider Mount	2	
6.9	P48	Support Bridge Medium	2	
6.10	S35	M5x80	4	Same as S04
6.10	PS18	18.5	2	
6.10	S40	Idler Bearing Pulley No Teeth	2	
6.10	PS15	2	2	
6.10	PS17	10	2	
6.10	S38	Idler Bearing Pulley	2	
6.10	PS16	10.5	2	
6.11	S30	Carbon Fiber Rod Support Clasp	4	
6.12	C04	732	2	Cut Length 732 mm
6.14	S29	VWheel Slider	4	
6.15	P42	Slider Mount	2	
6.15	P49	Support Bridge Large	2	
6.16	S36	M5x90	4	Same as S05
6.16	PS19	11.5	2	
6.16	S40	Idler Bearing Pulley No Teeth	2	
6.16	PS15	2	2	
6.16	PS11	3	2	
6.16	S38	Idler Bearing Pulley	2	
6.16	PS16	10.5	2	
6.17	S30	Carbon Fiber Rod Support Clasp	4	
6.18	C05	866	2	Cut Length 866 mm
6.20	S29	VWheel Slider	8	
6.21	P42	Slider Mount	4	
6.21	P50	Support Bridge XLarge	2	
6.22	S06	M5x110	4	
6.22	PS20	14.5	2	
6.22	S40	Idler Bearing Pulley No Teeth	2	
6.22	PS15	2	2	
6.22	PS21	6	2	
6.22	S38	Idler Bearing Pulley	2	
6.22	PS16	10.5	2	
6.23	S30	Carbon Fiber Rod Support Clasp	8	
6.24	C02	1000	2	Cut Length 1000 mm
7.1	P61	Tension Pull Arm	8	
7.1	P53	Rear Tension Post 0	1	
7.1	P54	Rear Tension Post 1	1	
7.1	P55	Rear Tension Post 2	1	
7.1	P56	Rear Tension Post 3	1	

7.1	P57	Rear Tension Post 4	1	
7.1	P58	Rear Tension Post 5	1	
7.1	P59	Rear Tension Post 6	1	
7.1	P60	Rear Tension Post 7	1	
7.1	S38	Idler Bearing Pulley	8	
7.1	S40	Idler Bearing Pulley No Teeth	16	
7.3	P51	Belt Attachement Small	1	
7.3	P62	Belt Attachement Medium	1	
7.3	P52	Belt Attachement L XL	2	
7.4	S37	Belt Motor Drive Pulley	8	
7.5	S42	Belt	8	
8.1	S41	Filament Holder	2	
8.2	S19	Cable Chain	4	

