

1 2 3 4 5 6

Complete Chassis Assembly

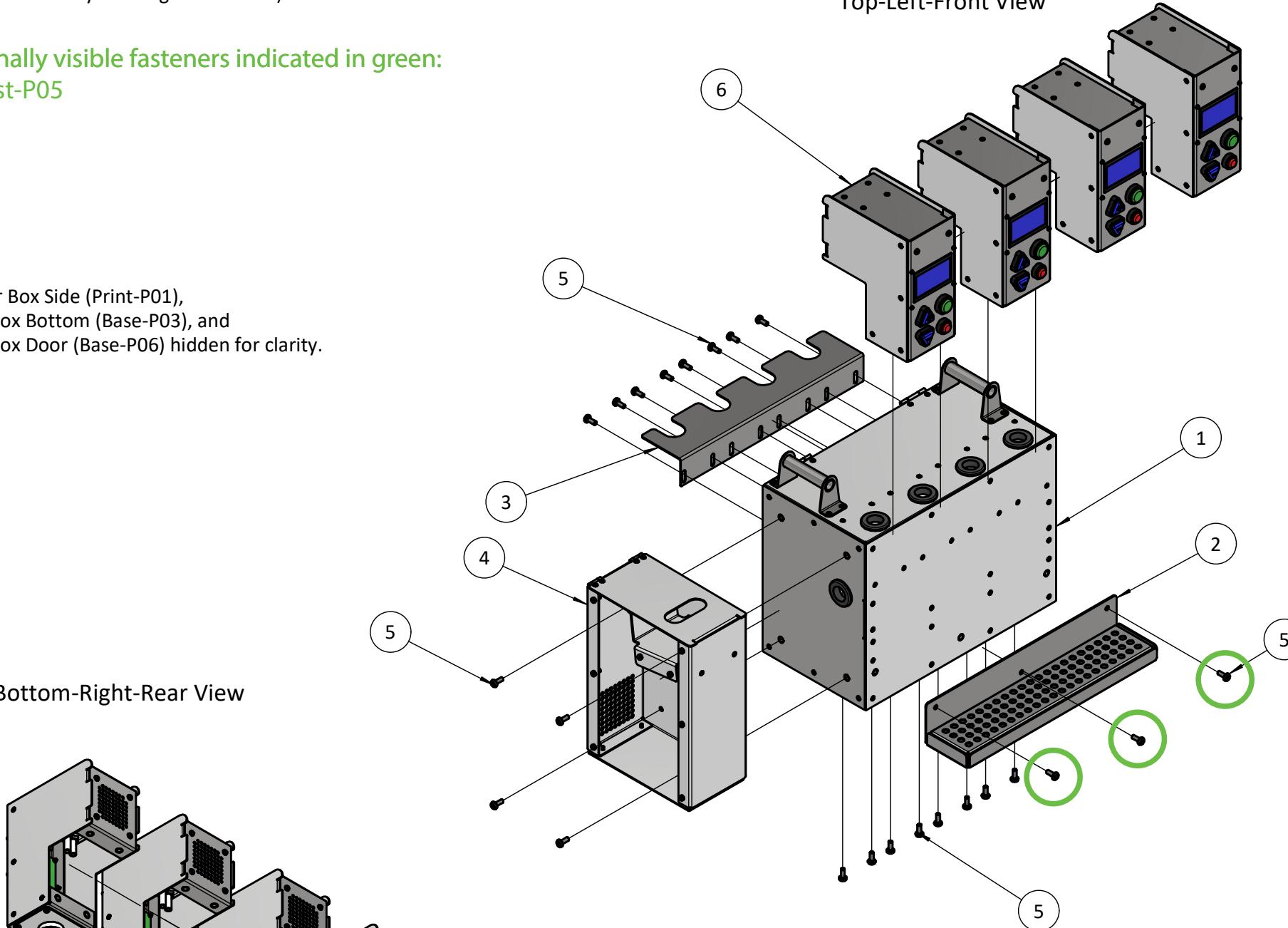
(See sub-assembly drawings that follow)

Externally visible fasteners indicated in green:

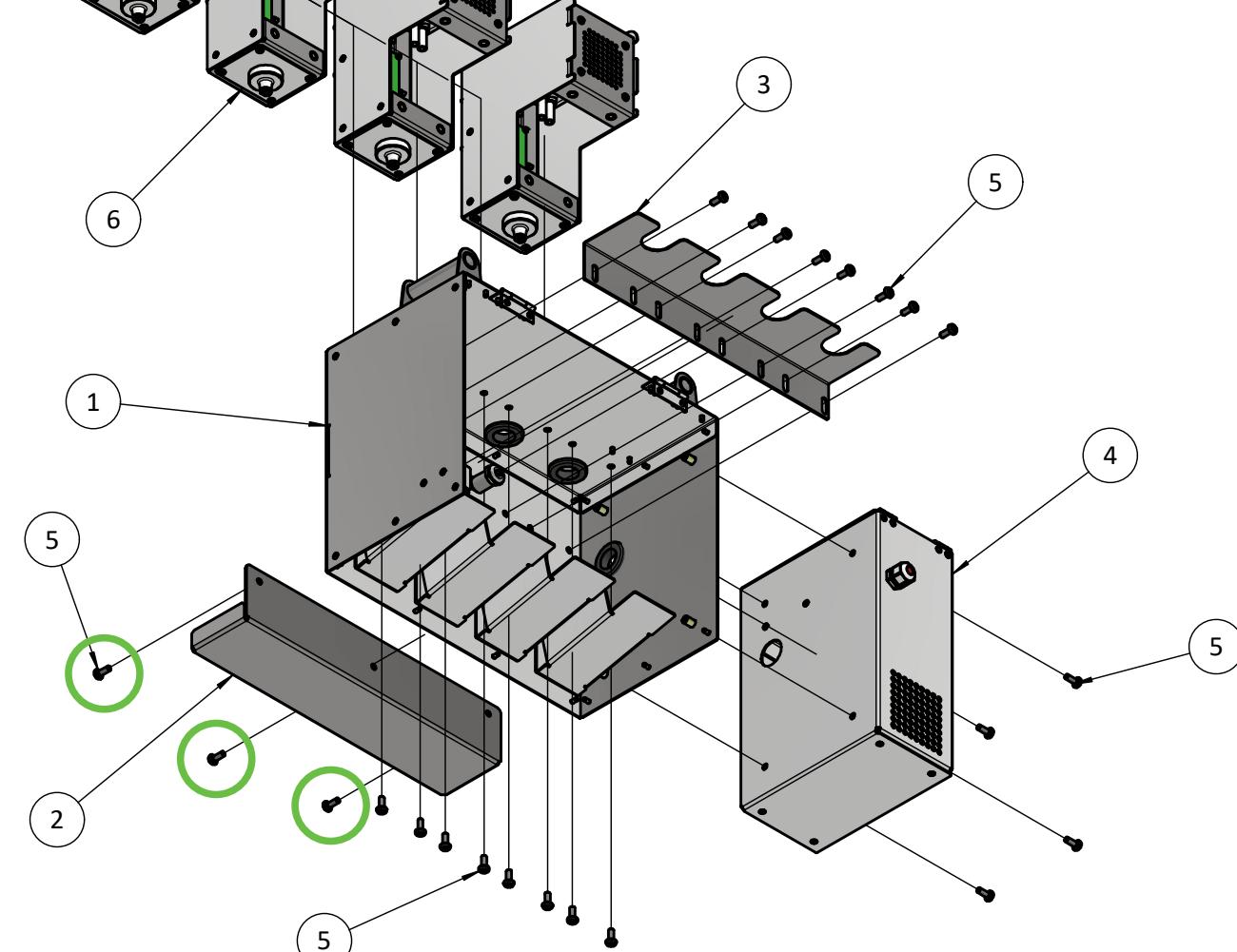
3x Fast-P05

Top-Left-Front View

A



Bottom-Right-Rear View



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					
6	Product Dispenser Sub-assembly				4
5	Fast-P05		Steel	Pan head screw with type H cross recess - product grade A	23
4	Printer Box Sub-assembly				1
3	Base-P08	Alignment Bracket	Steel, Mild	Hopper alignment bracket (1.6mm mild steel, cut & bend)	1
2	Drip Tray Sub-assembly				1
1	Base Box Sub-assembly				1

SCALE: 1 : 8
 DRAWN BY: Brendon Clack
 DATE: 2022/12/01
 MFG APPROVED BY: _____
 DATE: _____
 NOTES:
 - All dimensions in mm
 - Do not scale drawing
 - Drawing in accordance with SANS 10111-1

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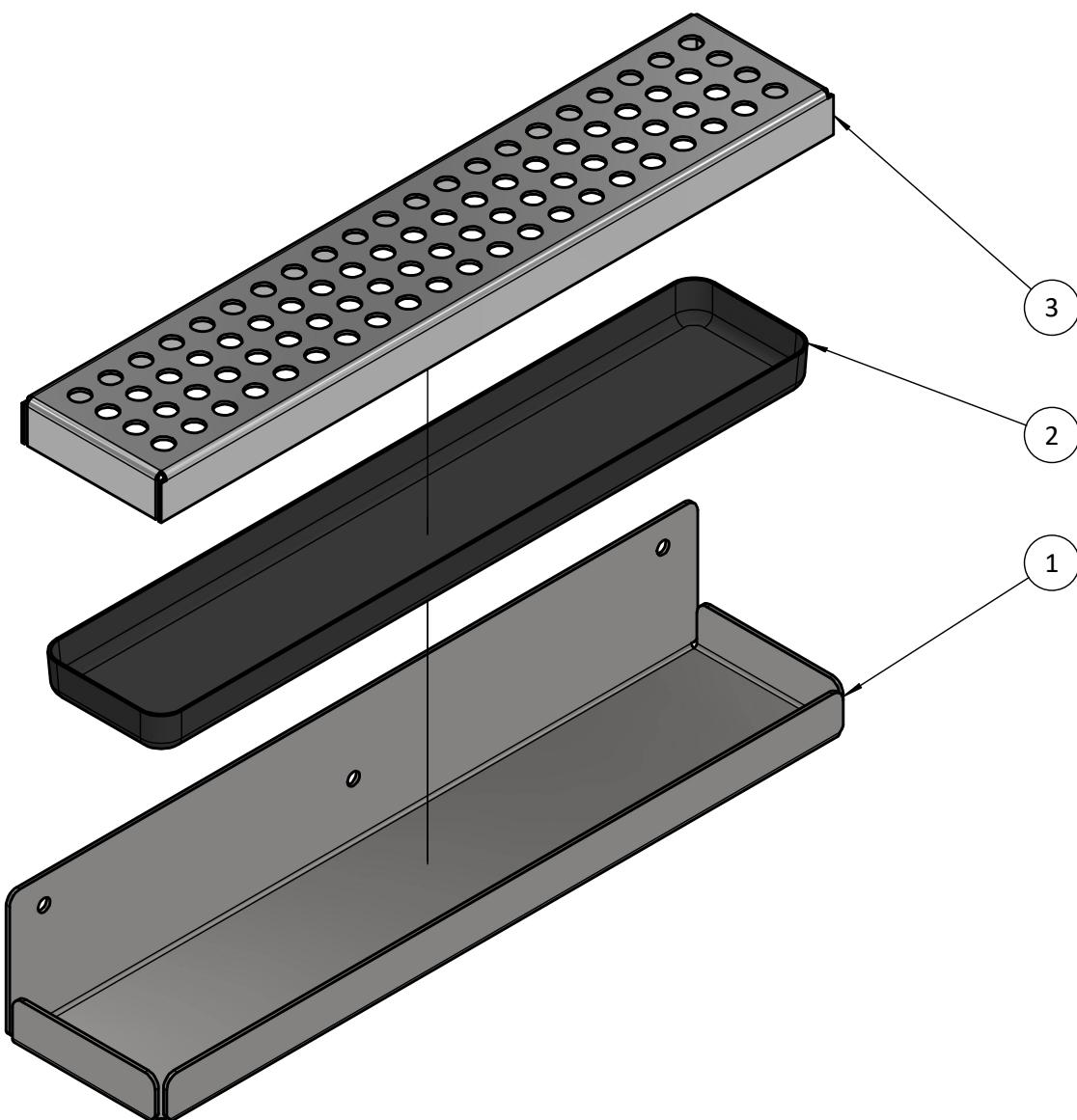
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Drip Tray Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					
3	Tray-P02	Drip Cover	Stainless Steel AISI 304	Drip tray cover with holes (1.6mm mild steel, cut & bend)	1
2	Tray-P03	Drip Container	ABS Plastic	Drip collection container (1.5mm thermoformed)	1
1	Tray-P01	Tray Support	Stainless Steel AISI 304	Drip tray support shelf (2mm mild steel, cut & bend)	1

SCALE:	1 : 3
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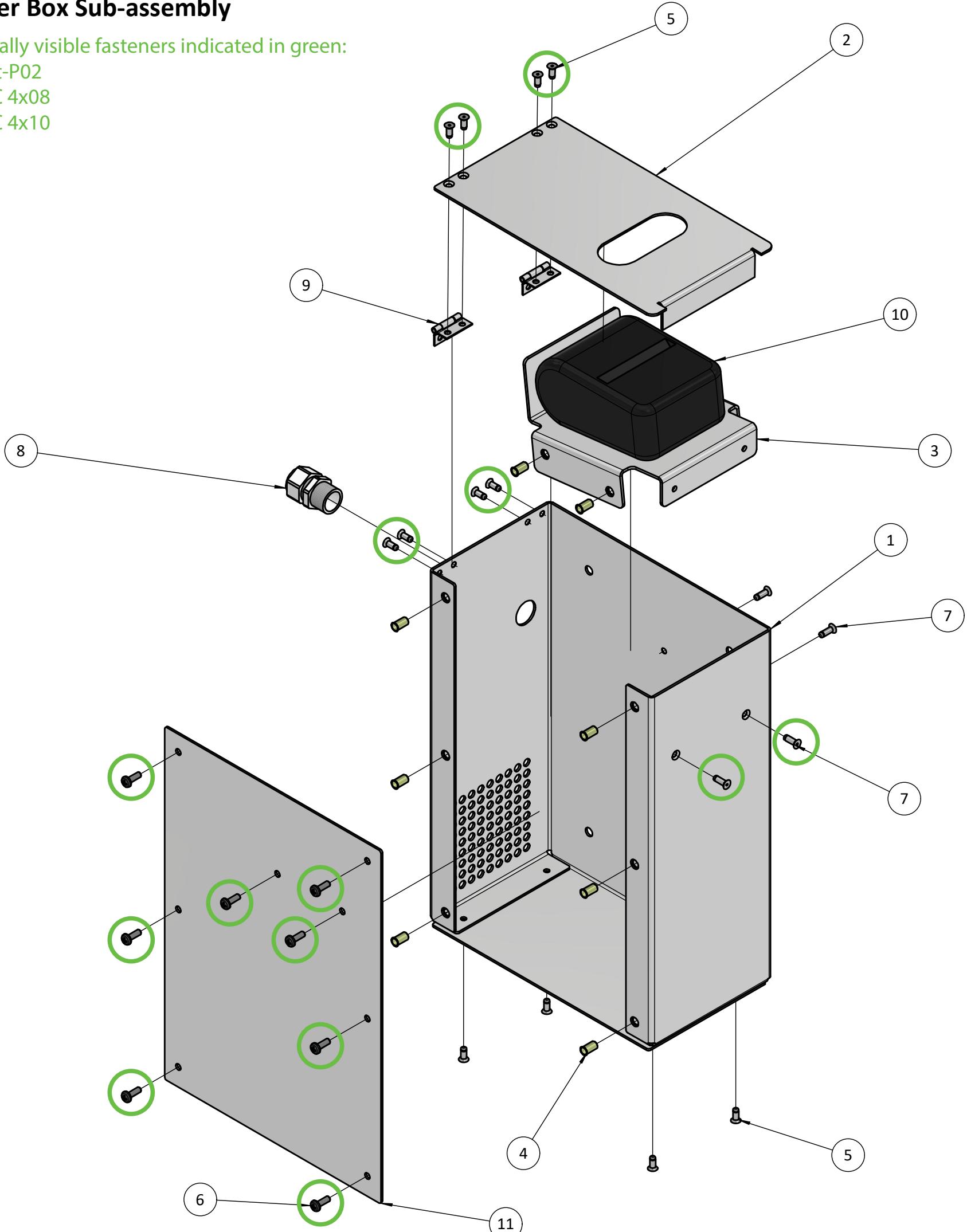
Printer Box Sub-assembly

Externally visible fasteners indicated in green:

8x Fast-P02

8x ASC 4x08

2x ASC 4x10



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
PARTS LIST					

SCALE:	1 : 3
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NOTES:

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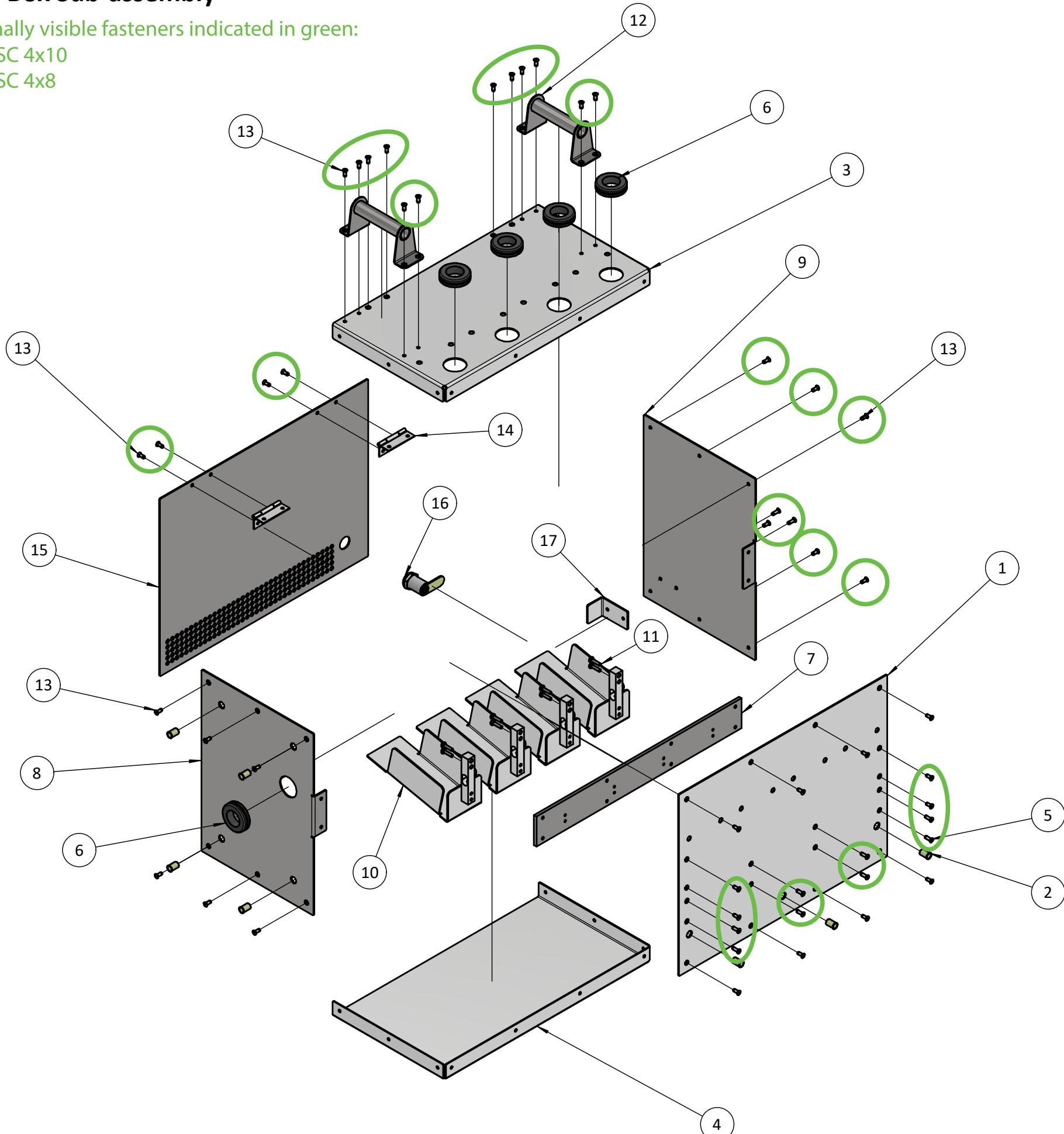
1 2 3 4 5 6

Base Box Sub-assembly

Externally visible fasteners indicated in green:

10x ASC 4x10

26x ASC 4x8

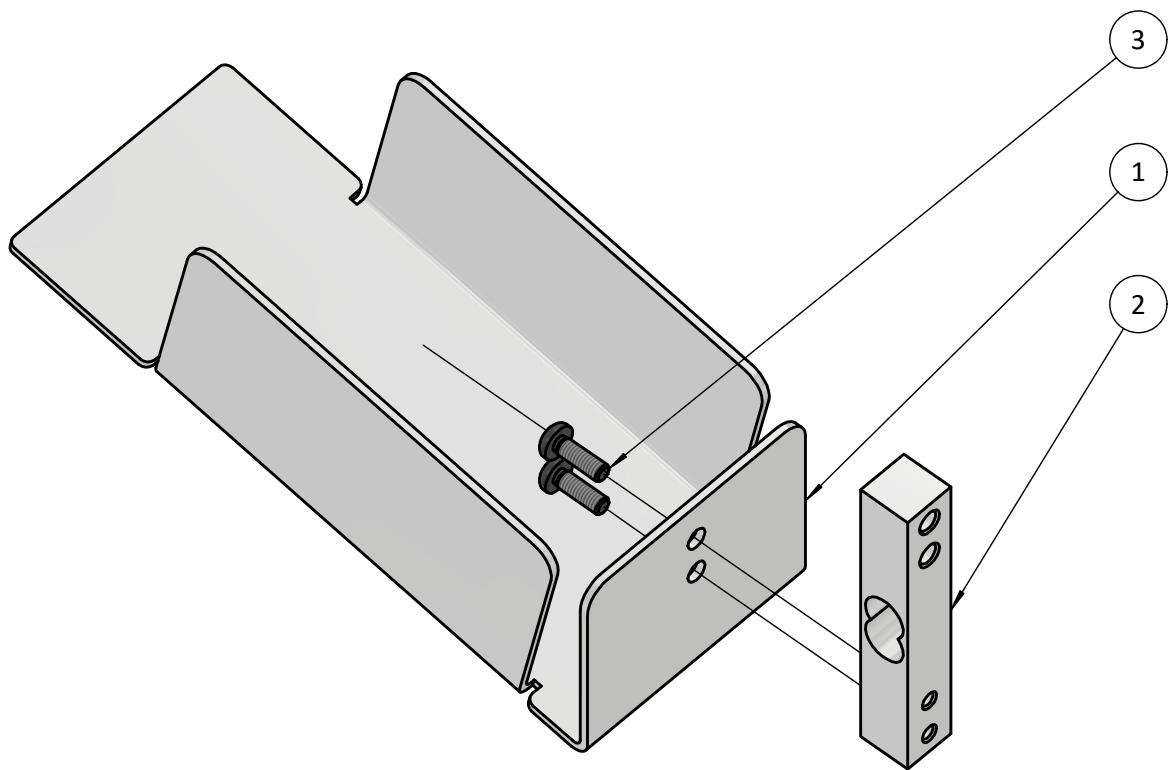


ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
17	Base-P10	Cam Lock Catch	Steel, Mild	Catch for engaging cam lock fro base box door	1
16	Lock-P01	Cam Lock		Cam lock (panel mount) for base box door	1
15	Base-P06	Base Box Door	Steel, Mild	Base box door panel (1.6mm mild steel, cut & bend)	1
14	Hinge-P01	Hinge (50mm)		Generic 50mm mild steel hinge	2
13	ASC 4x08	Rivet Countersunk 4x8	Aluminum	Aluminium-steel countersunk rivet (4 x 8mm) Grip rage: 2-5mm	40
12	Hand-A01	Handle Sub-Assembly		Base box lifting handle sub-assembly	2
11	Fast-P03		Steel	Pan head screw with type H cross recess - product grade A	8
10	Container-loadcell sub assembly	Hopper Support Sub-Assembly			4
9	Base-P05	Base Box Left	Steel, Mild	Base box left side panel (1.6mm mild steel, cut & bend)	1
8	Base-P04	Base Box Right	Steel, Mild	Base box right side panel (1.6mm mild steel, cut & bend)	1
7	Base-P07	Mounting Plate	Steel, Mild	Mounting plate for hopper loadcell (5mm mild steel, cut)	1
6	Grom-P01	Grommet No8	Rubber	Rubber grommet for cabling & hose protection (drill 32mm)	5
5	ASC 4x10	Rivet Countersunk 4x10	Aluminum	Aluminium-steel countersunk rivet (4 x 10mm) Grip rage: 4-7mm	10
4	Base-P03	Base Box Bottom	Steel, Mild	Base box bottom panel (1.6mm mild steel, cut & bend)	1
3	Base-P02	Base Box Top	Steel, Mild	Base box top panel (1.6mm mild steel, cut & bend)	1
2	RIV-CSK M6	M6 Countersunk Rivnut	Steel, Carbon	Countersunk rivnut 4mm (drill 9mm & countersunk 10,5mm)	7
1	Base-P01	Base Box Face	Steel, Mild	Base box face panel (1.6mm mild steel, cut)	1

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Container-loadcell Sub-assembly



3	Fast-P02		Steel	Pan head screw with type H cross recess - product grade A	2
2	Elec-P03	Load Cell (5kg)	Aluminum	Aluminium flexure type loadcell 5kg rated	1
1	Base-P09	Hopper Support	Steel, Mild	Hopper support bracket, mounted to loadcell (2mm mild steel, cut & bend)	1
ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY

PARTS LIST

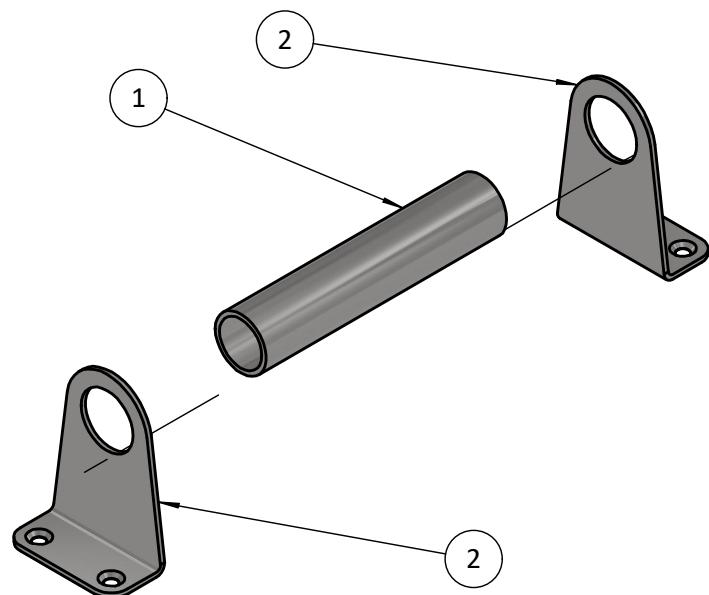
SCALE:	1 : 1.5	 hylography Hylography: Design, Engineer Prototype https://www.hylography.com/
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A4		Hopper Support Sub-Assembly

1 2 3 4 5 6 7 8 9 10

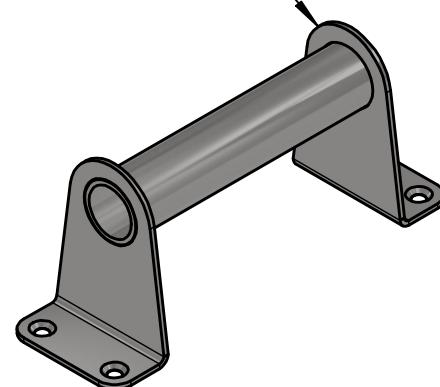
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Handle Sub-assembly



19mm round tube fits inside handle bracket and is welded in place



SCALE:	1 : 2
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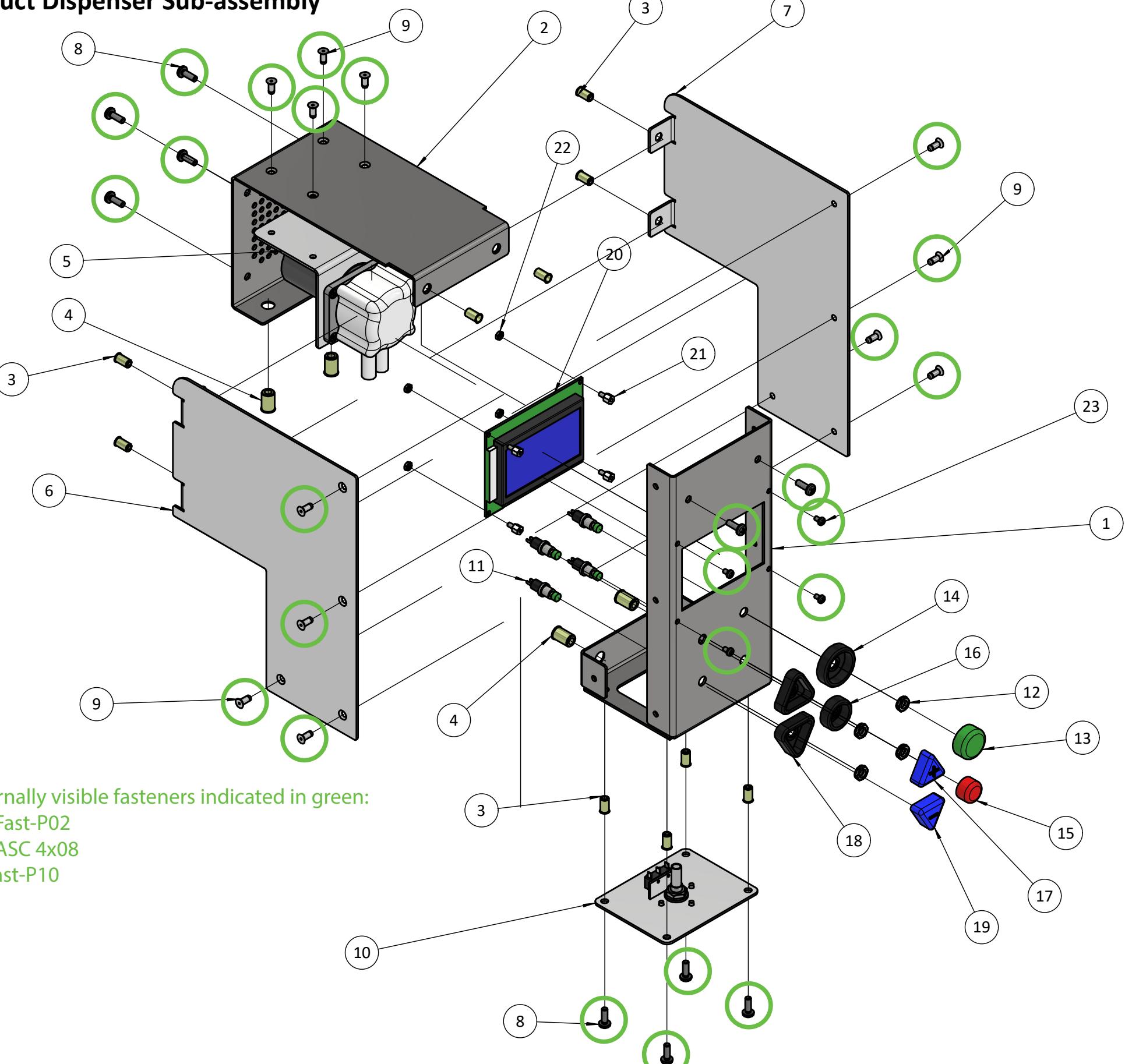
ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
2	Hand-P01	Handle Bracket	Mild Steel	Base box handle bracket (1.6mm mild steel, cut & bend)	20
1	Hand-P02	Handle Tube	Mild Steel	19mm Diameter round tube (cut to 90mm length)	40

PARTS LIST

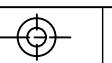
A4 Handle Sub-Assembly 2022-15-A02

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Product Dispenser Sub-assembly



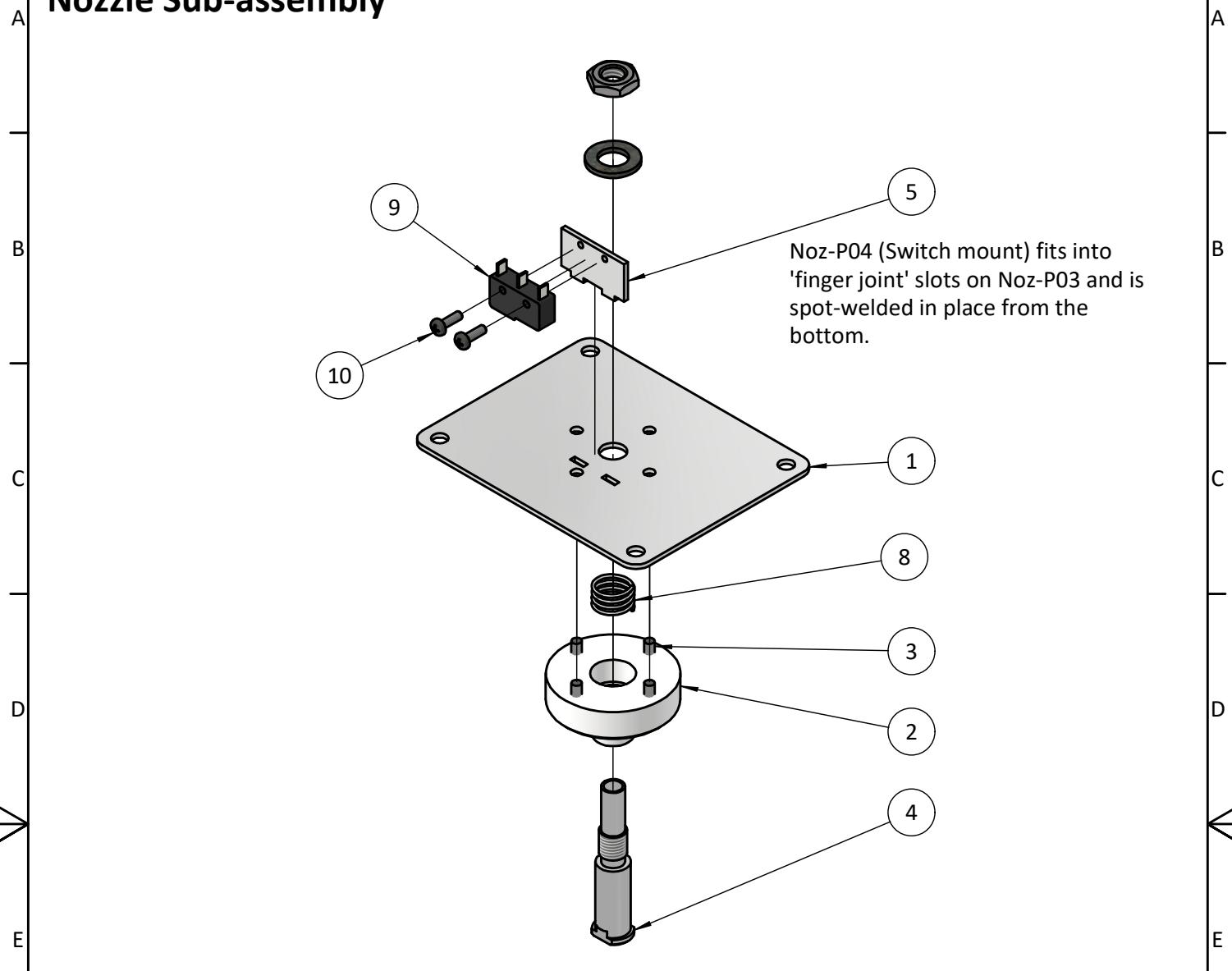
ITEM	PART NUMBER	TITLE	DESCRIPTION	QTY
PARTS LIST				
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2				
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4				
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6				
7	Prod-P03	Product Box Right	Product right side panel (1.6mm mild steel, cut & bend)	1
8	Fast-P02		Pan head screw with type H cross recess - product grade A	10
9	ASC 4x08	Rivet Countersunk 4x8	Aluminium-steel countersunk rivet (4 x 8mm) Grip range: 2-5mm	12
10	Noz-A01-1			1
11	Butt-P01	Push Button		4
12	Butt-P02 & Butt-P03	Button Spring & Washer		4
13	Butt-P04	Button Cap 'Go'		1
14	Butt-P05	Button Surround 'Go'		1
15	Butt-P06	Button Cap 'Cancel'		1
16	Butt-P07	Button Surround 'Cancel'		1
17	Butt-P08	Button Cap 'Up'		1
18	Butt-P09	Button Surround Tri		2
19	Butt-P10	Button Cap 'Down'		1
20	Elec-P01-2	LCD Module (Larger)	LCD display module, new larger version	1
21	Space-P01	Standoff Spacer 5mm	White nylon spacer with M3 threaded end and hole for LCD mounting	4
22	Fast-P09		Hexagon nuts, style 1 - Product grades A and B	4
23	Fast-P10		Pan head screw with type H cross recess - product grade A	4

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1 2 3 4 5 6 7 8 9 10

Nozzle Sub-assembly



ITEM	PART NUMBER	TITLE	MATERIAL	DESCRIPTION	QTY
10	Fast-P13		Steel	Pan head screw with type H cross recess - product grade A	2
9	Elec-P04	Micro Switch	ABS Plastic	Nozzle actuator micro switch	1
8	Noz-P05	Nozzle Spring	Steel, Carbon	Compression spring for nozzle shroud (10mm Length x 12mm OD)	1
7	Fast-P01		Stainless Steel, 440C	Hex Nut	1
6	Fast-P07		Steel	Plain washers - Normal series - Product grade C	1
5	Noz-P04	Switch Mount	Steel, Mild	Mounting plate for limit switch	1
4	Noz-P01	Nozzle Body	Stainless Steel AISI 304	Dispensing nozzle with smooth shank for 1/4" hose	1
3	DP 3x10	Dowel Pin 3x10	Steel, Carbon	Hardened and lapped dowell pin (3 x 10 mm)	4
2	Noz-P02	Nozzle Shroud	Acetal Resin, White	Plastic shroud and dispenser activation cone	1
1	Noz-P03	Nozzle Mount (Pin)	Steel, Mild	Nozzle mounting plate assembled onto product dispensing unit (pin version)	1

PARTS LIST

SCALE: 1 : 1.75

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2022-15-A03

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