

Model : Saddle Finisher-D2

Ref. No. : FF-T01-W-000084-01

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Location SERVICE MANUAL (FY8-13G9-000)

Subject UPDATING THE CONTENTS OF THE SERVICE MANUAL (FY8-13G9-000)

Reason The descriptions relating to the specifications in Chapter 1 are updated.

Details Corrections or additions are made to the specifications shown in Chapter 1 and Chapter 4 of the Service Manual.

- Table 1-202
(Finisher unit specifications)

Item		Specifications		Remarks
Weight		Approx. 106 kg (233lb) 127kg (278lb) Approx. 170 kg (373.7lb) (including inserter and folder) 192kg (423. 31b) ←		
Power supply		100 to 120V/50; 60Hz, 230V/50Hz		
Maximum power consumption (230V)		During wait : 160W / during stand-by : 60W / during operation : 200W (staple sort) 250W or lower ←		
Stapling		Punching by a rotating cam. (face-down stapling)		
Stapling position		See figure below.		
Stapling thickness		48 sheets (80 g/m ²) + 2 sheets (200 g/m ²), or thick paper of 5.5 mm or less		
Staple compartment		Special cartridge (5,000 staples)		
Staples		Special staples		
Staple detection		Yes		
automatic staple reposition		Within 10 times		
Stapling size	1-point stapling	Front/rear	A3, A4, B4, B5, 279.4mm × 431.8 mm, LGL, LTR	
	2-point stapling	A3, A4, B4, B5, 279.4mm × 431.8 mm, LTR		
Manual stapling		None		

2. Table 1-203
(Finisher unit specifications)

Item	Specifications	
Punch unit-related items	Punching method	Rotary punch (one after another as paper passes)
	Paper type	64 to 200 g/m ² (Not possible with OHP paper)
	Paper size	100 V / 230 V : A3, B4, A4, B5 115 V : 279.4 mm × 431.8 mm, LTR
	Punch (No. and diameter of holes)	100/230V : 2 holes, 6.5mm 115V : 3 holes, 8mm
	Punch waste capacity	100/230V : Approx. 20,000 sheets or more (when using 80 g/m ² paper) 115V : Approx. 10,000 sheets or more (when using 80 g/m ² paper)
	Punch waste "full" indicator	Displayed on main control panel
	Punch mode designation method	Designated on main control panel
	Punch position	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>100/230V</p> </div> <div style="text-align: center;"> <p>115V</p> </div> </div>
Maximum power consumption (230V)	200W (punch staple sort)	

(deleted)

3. Table 1-204
(Saddle sticher unit specifications)

Item	Specifications	
Stapling method	Staple in middle, then fold in half	
Stapling position	See Figure 1-202.	
Paper size	A3, B4, A4R, 279 mm × 432 mm (11 × 17), LTRR	
No. of sheets	15 sheets (including cover) (Note 1)	
Paper weight	64 g/m ² to 80 g/m ² (1 cover up to 200 g/m ²) (Not possible with special paper or OHP paper)	
No. of sets for stacking	30 sets (special tray, front stop shift)	
Stapling specifications	Stapling position	2 points (equidistant from center, fixed interval)
	Staple capacity	2000 staples
	Staple loading method	Special cartridge
	Staples	Special staples (Staple Cartridge D2)
	Staple detection	Yes
Folding specifications	Folding method	Folding by roller pressure
	Folding mode	Folding in two (1 sheet is not stapled)
	Folding position	Center of paper
	Folding position adjustment function	Yes
Power supply	Supplied from finisher 24V, 2-systems	
Trimmer (Note 2)	No	
Power consumption (230V)	190W (book mode) 160W or lower	

Note 1: When using thick paper over 90 g/m² in cover mode, depending on the type of paper, feeding may not go smoothly with stacks of 14 sheets or over. If this happens, change the setting to 13 sheets or less.

Note 2: The term "trimmer" refers to the function for trimming the edges of the stacks.

4. Table 1-205
(Paper Folding Unit-B1 specifications)

Item	Specifications	Remarks
Folding method	Roller pressure (folded one after another as paper passes)	
Paper weight	64 to 80 g/m ²	
Paper size	A3, B4, 297 mm × 432 mm (11 × 17)	
Folding mode	Z-folding	
Dimensions	184 mm (W) × 675 mm (D) × 995 mm (H) / 7 - 1/4" (W) × 26 - 5/8" (D) × 39 - 1/4" (H)	Including casters
Power consumption (230V)	240 W (Z-fold, punch staple mode) 75W	
Weight	Approx. 45 kg / 99.2lb 49kg/ 108lb	
Power supply	Supplied from finisher	

5. Table 1-206
(Cover Insertion Unit-A1 specifications)

Item	Specifications	Remarks
Stacking capacity	100 sheets (small-size) / 50 sheets (large-size)	Face-up, 80 g/m ² paper
Paper weight	64 to 200 g/m ² (including colored copy paper)	Not possible with OHP paper
Paper size	B5 to A3/ 279mm × 432mm (11 × 17)	B5 is for standard feeding only
Mixed stacking	No	
Separation method	Upper separation by belt	
Position standard	Center standard	
Weight	Approx. 20 kg / 44lb 16kg/ 35.3lb	
Power consumption (230V)	240 W (Z-fold, cover mode, punch, staple sort) 100W	
Dimensions	Auxiliary tray open: 561mm (W) × 584mm (D) × 144mm (H) / 22 - 1/8" (W) × 23" (D) × 5 - 5/8" (H) Auxiliary tray closed: 402mm (W) × 584mm (D) × 132mm (H) / 15 - 7/8" (W) × 23" (D) × 5 - 1/4" (H)	
Power supply	Supplied from finisher	

6. Alignment Accuracy

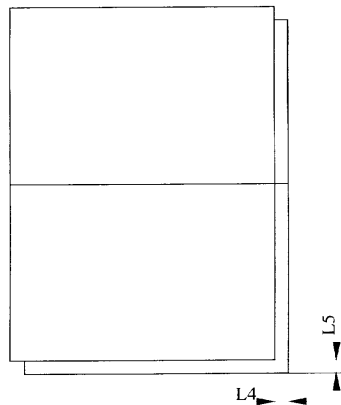
Add a table of alignment accuracies for the finisher unit:

Mode	Tray	Specifications	Remarks	
Non-sort	Tray A	100 mm or less	No page may be misaligned or missing.	
Sort	Tray A/B	Left/right (X)	60 mm or less	
		Front/rear (Y)	Within stack	15 mm or less
			Stack-to-stack	15 mm or more 60 mm or less
Staple	Tray A/B	2.0 mm or less	No staple must be displaced (off the paper).	

7. Accuracies for Alignment and Folding Position

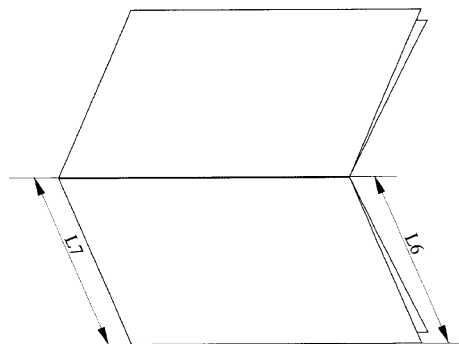
Add accuracies for alignment and folding of the saddle stitcher unit.

Alignment position



L4, L5: Within 1.5mm

Folding position



| L6-L7 | : Within 0.75mm
 (In case of high temperature/ high humidity or low temperature
 | L6-L7 | : Within 1mm)

8. General Service Lives of Consumables Parts

The table of the GENERAL LIVES OF CONSUMABLE PARTS on page 4-1 is corrected.

A. Finisher

No.	parts name	Parts No.	Q'ty	Life	Remarks
1	Stapler	FB4-5390-000	1	500,000 staples	A single cartridge is good for about 5,000 stapling operations.
2	Paddle	FB4-8435-000 (FG6-3108-000)	3	1,000,000 sheets of paper delivered in tray B	
3	Knurled belt	FB4-8709-000	4		
4	Upper stack delivery roller	FB4-8363-000	4 1		
5	Sort static charge eliminator	FB4-8601-000	1		
6	Punch unit	FF5-3237-000 FG6-3319-000 (A/B)/ FF5-3238-000 FG6-3320-000 (INCH)	3 1	1,000,000 punches	100,000 punches in 200g/m ² paper used at a 5% utilization rate

Added →

9. Periodic Maintenance

The table of the PERIODIC MAINTENANCE on page 4-3 is corrected.

A. Finisher

Item	Intervals	Description	Remarks
Tray paper sensor	For every 250,000 sheets delivered by the tray B	Clearing	Blower brush
Inlet paper path sensor			
Buffer path paper sensor			
Lower path paper sensor			
Punch waste sensor prism			Dry wipe
➔ Photosensors in and around the punch unit (*1)	During the punch unit replacement		Blower brush

➔ *1 ~~Punch sheet edge sensor (PI43)/ punch rotation home position sensor (PI44)/ punch edge sensor home position sensor (PI45)/ punch side registration home position sensor (PI46)/ punch completion sensor (PI47)~~