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*** Basic Information ***
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[Create date] 2019/09/10

[Program Name] BookletFinisher_SR5060

[Version] 03.200:10

[PCB No.] D7345120M,D7355120L

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)
[Firmware No.] D7345260H
[File Information]
 File Name   D7345260H.fwu
 File Type   Module for Service
 Size   0.50 MB (522044 byte)
[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Rank C

Symptom corrected:
- Jam 198 after the GBC Stream Wire paused

[Modification history]

Version 03.190:10
Rank C

Symptom corrected:
- Saddle-stitching sheets 487.0mm in length along the feed direction
  results in Jam124 (stack output drive error) or SC720-41 (feed-out
  belt motor error).

Version 03.180:10
Rank C

Symptom corrected:
- Jam occurs when various staple jobs are run continuously with the GBC punch unit.

Version 03.170:10
Rank C

Symptom corrected:
- SC720-43 (Corner Stapler Motor Error) occurs in oblique corner stapling jobs.

Version 03.160:10
Rank C

Symptom corrected:
- Stacking is poor with custom paper sizes.
- Shift operation functions at unexpected pages.
- If a jam occurs in a saddle-stitched job, printing falsely resumes
  by opening and closing the door without removing the jammed sheet(s).
- Printing does not resume in a saddled-stitched job, if a jam
  occurs at the exit to the output tray.

Version 03.150:10
Rank C

Symptom corrected:
- Printing banner sheets that exceed 487.7mm results in poor
  stacking on the output tray.
- If a paper jam occurs in a staple job, the stapler locks and the
  jammed paper cannot be removed.
- If a paper jam occurs in the paper path downstream of the stapler
  tray, the engine continues to run idle and cannot resume printing.
- If the front door of the Trimmer Unit TR5040 is opened during a
  stapling job, the engine continues to run idle.

Version 03.130:10

Rank C

Symptom corrected:
- JAM 126 occurs, if the output tray is switched when the stapler
  cartridge is empty.
- With jobs selected of the shift tray as the output tray, the
  operation panel remains in "Printing" status but the job may not
  get printed.
- Paper jam occurs if saddle-stitched jobs using Plockmatic and a
  job printed to the proof tray are repeated alternately.

Version 03.110:10
Rank C

Symptom corrected:
- The machine stalls when the trailing edge rides on the trailing edge press
  lever in a shift job.

Other changes:
- 8.5x13.5inch (F4a) supported.

Version 03.100:10
Rank C

Supported:
- Modified the controls to support the increased stack capacity of envelopes.
- Paper of width 139.7mm or shorter can be printed to the shift tray.
- Enhanced the productivity of stapled jobs that apply the shift sort option.
- Changed the controls for improved productivity of saddle and side stitched jobs.
- Changed the controls to support the new paper types.
- Optimized the start/stop timing of the positioning roller in the pre-stacker unit,
  which is adjustable in the following SPs:
    SP-6-220-001~015
    SP-6-248-001~015
- Changed the behavior of the pre-stack rollers for better alignment of sheets for
  booklets containing mixed paper sizes having the same width.
- Added a fail-safe feature for the stapler motor, to prevent the possible
  interference between the stapler and bottom fence when performing the output check
- Optimized the time-out setting of the TE press lever, to prevent the possible
  interference between the stapler and the TE press lever arm during initialization.
- The job stops immediately, if a jam occurs in a job printed to the Plockmatic.
- Supports connection with the eWire Binder.
- Supports connection with the banner sheet stacker.

Symptom corrected:
- The job is falsely stapled even if it is a single page Z-fold job.
- If the Plockmatic waste staple receptacle becomes full, the operation panel
  continues to display "Please wait." and printing does not resume.
- The Plockmatic stapling function becomes ineffective if an SC occurs.
- The TE press lever causes a jam when performing the output check.
- If a jam occurs in a system configured with the Trimmer TR5040, jam alert or
  SC is not notified and printing does not resume with the operation panel
  displaying "Please wait."

- Printing may not resume, if the stack on the shift tray is removed from the tray after pressing the emergency stop switch and the stack is placed on the tray again before the tray ascends.
- If a side-stapling job applied of the output shift operation is canceled of the stapling, the operation panel continues to display "Please wait." instead of canceling the stapling option.
- If various staple jobs are run in succession, the stapling position of corner oblique stapling may shift.
- SC720-35 may occur after replacing the staple cartridge.

Version 02.700:10
Symptom corrected:
- Running 3 staple jobs in a row may result in SC720-70.

Version 02.690:10
Symptoms corrected:
- Jam121 (SC720-39) occurs with mixed sized stapling jobs due to a faulty behavior of the leading edge stopper.

Version 02.680:10
Error Correction:
SC720-35(Trailing Edge Press Motor Error)

In detail (as there have been multiple fixes for SC720-35):
If a jam occurs at a location other than the stapler tray but the stapler unit is pulled out and pushed back in, the system attempts to resume the job without running the initialization process.
This causes interference between the corner stapler stack unit and the stapler unit, resulting in SC720-35.
To prevent this, if a jam occurs and the stapler unit is pulled out and pushed back in, the system will consider stacked sheets in the stapler unit as jammed sheets and prompt the operator to remove the sheets to resume printing.

Version 02.670:10
Error Correction:
1) If a stapling job consists of different paper sizes (length of the leading edge is equal), some pages may be missing from the booklet because the booklet finisher does not switch the paper sizes at the correct timing.
2) Pages may be missing or duplicated in jobs that use the Plockmatic HCI3500 because the paper detection signal is not sent from the Plockmatic to the engine at the proper timing.

Version 02.660:10
Error Correction:

Stall might occur if pressing emergency stop switch at the state that
front door opens.

Version 02.650:10
Error Correction:
The puncher does not completely retrieve home position and catches
the succeeding sheet, resulting in poor punching and/or Jam125
(punch drive error).

Version 02.640:10
Error Correction:
1. Initialization behavior of the TE press-down lever of the drag roller
   unit was modified, to reduce the occurrence rate of SC720-75.
2. Control of the stapler movement was modified, to reduce the occurrence
   rate of SC720-35.
3. When recovering from a jam in a saddle-stitching job, pre-stacking
   quality is poor and causes inaccurate stapling/folding.

Version 02.620:10
Error Correction:
SC 720-82 might occur, if the trailing edge press plate and base fence
of the staple tray interferes.

Version 02.610:10
Error Correction:
Jam 114 occurs, if a stapling job composed of simplex and duplex pages is
repeatedly interrupted by a non-stapling job.

Version 02.600:10
 Symptoms corrected:
Folding position for saddle-stitched booklets was optimized.

Version 02.590:10
Specification Change:
To match the spec with the GBC StreamPunch Ultra, print operation
was made to suspend when the paper size switches during the job.

Error Correction:
Jam occurs when punching with the GBC StreamPunch Ultra, because the
paper interval is too short.

Version 02.570:10
Symptoms corrected:

1. Wrinkles or folds might occur when feeding Z fold paper.
2. After Shift tray keeps down by pressing the Emergency Shift Tray
   Stop Switch and system is turned off power, stall might occur
   after turning on the power.
3. SC 990 might occur on Plockmatic system when Jams occur in SR5050
   and SR5060.
4. Operation panel indicates that printed papers remain in
   Plockmatic when stacker of Plockmatic is full.

Note:
Version 02.560:10 is missing.

Version 02.530:10
Symptoms corrected:
1. If sheets are fed through SR5050/5060 and saddle-stitched
   booklets created in Plockmatic and jam occurs in SR5050/5060,
   the saddle-stitching operation immediately stops.
2. Line speed automatically set for feeding out jobs to the
   SR5050/5060 shift tray according to paper size, type and weight
   might not be correct.
3. If the system internally detects a SC720-41 (stapling related SC)
   while running a non-stapling job, Jam106 might occur.

Note:
This version or later is required to install Plockmatic to Leo-C1/P1.

Version 02.510:10
Symptom corrected:
When the Stream Punch Ultra is connected and paper longer than 431.9
mm is used, jams might occur at finisher.

Version 02.500:10
Software bugs were fixed before the mass production of Leo-C1/P1.

Version 01.460:10
Additional Model Information
- Leo-C1/P1 are applied
- Banner paper is applied

Symptom Corrected:
- The Entrance Motor might not work and jam might occur.
- Stall might occur if printing on mixplex and shift mode.
- Jam 125 might occur if postcard is fed with SEF direction.
- Operation panel indicates the wrong location of jammed paper when
  jam 126 occurs.

Version 01.420:09

Symptom corrected:
SC720-35 might occur, caused by the position of the swing unit.
Firmware of the home position detection and the swing plate motor is modified.

Version 01.410:09
Specification Change:
- Waiting time before feeding the 1st sheet of a job was extended to
  15sec from the previous 7sec to prevent jams with the Plockmatic
  RCT5030 finisher.
  (1st sheet enters the finisher before the finisher completes the
  initialization process, resulting in the jam.)
- Interval between sheets when connecting Plockmatic finisher was
  reduced to maintain the productivity prescribed by the engine
  specifications.
- To prevent Jam115 that occur with booklets consisted of 2-5
  sheets, an extra 500msec was added to create booklets when the
  number of folding operation in SP6-203-001 is set to '0'.

Symptom corrected:
- The shift jogger motor remains active during the job, if the
  previous job was run using a custom paper of a length between
  323.94mm and 324.30mm in feed direction.
- The following problems occur, if creating a booklet with 14 or
  more sheets and reducing the number of folding operation in SP6-
  203-001:
  - JAM115 or JAM124 occurs in jobs with number of copies set to 2
    or more.
  - Motors that drive the paper transport rollers remain active in
    jobs with number of copies set to 1.

Version 01.400:09
Error Correction:
1. Jam could occur, if specifying Z-fold and staple options in the
   same job.
2. Jam80 or Jam111 or Jam103 could occur, if stapling only a few
   sheets.
3. Jam could occur, if stapled in mixed size mode.

Specification Change:
Higher productivity is achieved for jobs specified with both Z-fold
and staple options.

Version 01.390:09
Error Correction:
Jam and miss staple might occur in the fold and staple job when
system includes both FD5020 and SR5050/SR5060.

Version 01.380:09
Error Correction:

1. Job process timings were modified to enhance productivity for stapling jobs run together with the z-fold option.
2. Valid sheets contained in the Plockmatic connected to the downstream of the Finisher is detected as invalid sheets.
3. If selecting the saddle-stitch option on the operataion panel while the shift tray ascends after pressing the emergency stop button on the Finisher, the machine continues to run idle.
4. If a jam occurs at the entrance of the TR5040 and the jam sheet is removed, jam indication message does not disappear or the job in process does not resume.

Version 01.350:09
1st Mass production

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==============================================================================
*** Basic Information ***
==============================================================================
[Create date] 2017/08/29
------------------------------------------------------------------------
[Program Name] BookletFinisher_SR5060
------------------------------------------------------------------------
[Version] 02.700:10
------------------------------------------------------------------------
[PCB No.] D7345120C,D7355120B
------------------------------------------------------------------------
[Interchangeability] X / O
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[Other Firmware Requirements] None
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[PCB Requirements] None
------------------------------------------------------------------------
[Software category] Normal Release
------------------------------------------------------------------------
[Release category] Normal Release
------------------------------------------------------------------------
[Program category] Firmware
------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D7345621A
[File Information]
 File Name        D7345621A.fwu
 File Type        Module for Service
 Size             0.50 MB ( 522044 byte )
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection] 2017/10
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