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*** Basic Information ***
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[Create date] 2018/10/30

[Program Name] SWIFT

[Version] 0.05.6:07

[PCB No.]

[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.] M0B15260C

[File Information]

File Name M0B15260C.fwu

File Type Module for Service

Size 0.38 MB (393972 byte)

[File Information]

File Name M0B15260C.rfu

File Type Module for Remote Upgrade

Size 0.38 MB (401664 byte)

[Availability of RFU] No

[Production reflection]

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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:

- SC513-02 occurs at the start of the job.
- The sensor detection level becomes too sensitive and causes Jam98,
if the CIS light level is set to '5' in Advanced Settings [#1321: 06: Setting]

[Modification history]

Version 0.05.4:07

Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2018/08/20

[Program Name] TDCU

[Version] 1.00:05

[PCB No.] M0B15339B

[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.] M0B15342A

[File Information]

File Name M0B15342A.fwu

File Type Module for Service

Size 0.38 MB (393972 byte)

[File Information]

File Name M0B15342A.rfu

File Type Module for Remote Upgrade

Size 0.38 MB (401664 byte)

[Availability of RFU] No

[Production reflection] 2018/07

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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

Other changes:
The waiting time for the ITB scaling feedback sensor to transfer its
readings to the engine to notify ready status was changed from 4.5s
to 1.34s.

[Modification history]

Version 0.12:05
Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/25

[Program Name] DTU CACTUS

[Version] M0B15910F_cf40

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B15910F

[File Information]

File Name M0B15910F.fwu

File Type Module for Service

Size 15.82 MB (16589308 byte)

[File Information]

File Name M0B15910F.rfu

File Type Module for Remote Upgrade

Size 15.83 MB (16597248 byte)

[Availability of RFU] No

[Production reflection] 2018/12

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*** Note ***
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[Note]

Both of the following firmware must be updated together as a set for this release to take effect.

- DTU Firmware Ver.1.08.0 (M0B15912H) or later
 - DTU CACTUS Ver. M0B15910F_cf40 (M0B15910F) or later
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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

Error Correction:

SC844-02 or SC844-04 occurs when image transfer from the DFE to DTU results in a failure.

[Modification history]

Version M0B15910E_ce38

Rank C

Error Correction:

SC844-04, SC844-08, SC687-00 occurs due to communication error
between the Fiery controller and DTU.

Version M0B15910D_cd37

Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] DTU Firmware

[Version] 1.10.0

[PCB No.]

[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.] M0B15912K

[File Information]

File Name M0B15912K.fwu

File Type Module for Service

Size 0.90 MB (944812 byte)

[File Information]

File Name M0B15912K.rfu

File Type Module for Remote Upgrade

Size 0.91 MB (950528 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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version v1.09.0

Rank C

Symptom corrected:

- SC161-06 occurs in the last duplex when jobs are run as in below,
because the DTU is unable to transfer the print data of the front
side to the engine within the prescribed time:
- Back side (simplex) -> Front side (simplex) -> Duplex
- An unneeded "..bin" file was falsely included in the DTU firmware folder.

Version 1.08.0

Rank C

Error Correction:

SC844-02 or SC844-04 occurs when image transfer from the DFE to DTU
results in a failure.

Version 1.07.0

Rank C

Error Correction:

The color may fluctuate in highlight areas.

Version 1.06.0

Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2018/10/19

[Program Name] DTU Parameter

[Version] 1.02.0

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B15913B

[File Information]

File Name M0B15913B.fwu

File Type Module for Service

Size 13.13 MB (13763068 byte)

[File Information]

File Name M0B15913B.rfu

File Type Module for Remote Upgrade

Size 13.13 MB (13771008 byte)

[Availability of RFU] No

[Production reflection] 2018/10

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*** Note ***
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[Note]

Both of the following firmware must be updated together as a set for this change to take effect.

- DTU Firmware Ver.1.07.0 (M0B15912G) or later

- DTU Parameter Ver.1.02.0 (M0B15913B) or later

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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

Error Correction:
The color may fluctuate in highlight areas.

[Modification history]

Version 1.01.0
Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] TIM-RED

[Version] 1.02:02

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B15375B

[File Information]

File Name M0B15375B.fwu

File Type Module for Service

Size 0.50 MB (525044 byte)

[File Information]

File Name M0B15375B.rfu

File Type Module for Remote Upgrade

Size 0.51 MB (532736 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

The following firmware must be updated together as a set for this release to take effect.

- Engine Ver.1.70:12 (M0B15160P) or later

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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120

- * Cover Interposer Tray CI5040

- * Trimmer Unit TR5050

[Modification history]

Version 1.00:01

Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] GraphicData

[Version] 6.00

[PCB No.]

[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.] M0B16019B

[File Information]

File Name M0B16019B.fwu

File Type Module for Service

Size 0.35 MB (362628 byte)

[File Information]

File Name M0B16019B.rfu

File Type Module for Remote Upgrade

Size 0.35 MB (368896 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
- ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
- ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
- ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
- ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
- ACD Unit Param Ver.02.023.00 (M5185239N) or later

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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120

- * Cover Interposer Tray CI5040

- * Trimmer Unit TR5050

[Modification history]

Version 1.00

Rank D

1st Mass production

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*** Basic Information ***

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[Create date] 2019/03/04

[Program Name] System

[Version] 1.10

[PCB No.]

[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.] M0B16021P

[File Information]

File Name M0B16021P.fwu

File Type Module for Service

Size 25.81 MB (27067128 byte)

[File Information]

File Name M0B16021P.rfu

File Type Module for Remote Upgrade

Size 25.82 MB (27074816 byte)

[Availability of RFU] No

[Production reflection] 2019/02

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*** Note ***

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[Note]

Both of the following firmware must be updated together as a set for this release to take effect.

- System Ver.1.10 (M0B16021P) or later
 - Engine Ver.1.60:12 (M0B15160M) or later
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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:

- Toner density is higher than target (due to inappropriate process control parameter) and causes the following:
 - * Y and M toner stains on paper edges
 - * SC499-40 (caused by Y toner)

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site. (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)
- In the event that a problem is discovered which only affects ARFU, SFU, and/or Application Site, updates via those functions can be disabled on the global download server side. (While still allowing manual downloads by a technician)

[Modification history]

Version 1.09

Rank C

Symptom corrected:

- Added a guidance in #0105 [Perpendicularity Adjustment] of the Adjustment Settings for Operators menu that prompts operators to perform #0201 [Execute Image Quality Adjustment:Color Registration].
- Image Magnification setting was added to the Adjustment Settings for Operators menu.
- Corrected wrong descriptions in the Adjustment Settings for Operators menu.
- Deleted #0501-01 [Execute Cleaning Initial Setting: KCMY] of the Adjustment Settings for Operators and SP3-032-001. This setting was deleted because cleaning all four stations at once has the risk of clogging the developer exit and cause images to appear faint. It is requested to clean one station at a time.
- If the custom paper entry registered in No.0001 is not a Plain (default) paper, that paper type is falsely applied to the custom paper that is registered to a number other than No.0001 even when it is a Plain paper
- When updated the following firmware with the front doors falsely open, the firmware do not appear in the list:
Reason: Update fails and the machine cannot recover when attempted to update the above firmware with the front doors open.
CRB-L M0B15273_
SCU-FPGA M0B15261_
- The machine wakes up from the sleep mode when it receives a MIB request from @Remote.
- Cannot select the Korean language setting on the operation panel.

- When the tray runs empty, printing does not resume and instead stops even when the tray is not locked and another tray loaded with the same paper size/type is present.
- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- Image log might not be sent and stay in the device.

Version 1.08

Rank C

Other changes:

- Following changes regarding the test charts printed for the Main scan shading function:
 - Test charts are delivered to trays other than the proof tray.
 - Test charts go through the straight path.

Version 1.07

Rank C

Symptom corrected:

- Banner message to alert replacement of PM parts appears for the fusing belt, heating roller and pressure roller regardless of the PM parts display setting in SP5-062-xx. In addition, these three parts were falsely assigned as cc-call parts.
- [0501:Execute Cleaning Initial Setting for PCU] of the Adjustment Settings for Operators works fine, but the operation panel may display "Failed" after the execution.

Version 1.06.1

Rank C

Symptom corrected:

- The custom paper name is truncated, if edited and saved after importing from the custom paper management database.

Other changes:

- Improved the accuracy of the Image Position Adjustment function in Adjustment Settings for Operators. (for Pro C92xx series)
- Improved the operability of the Image Position Adjustment function in Adjustment Settings for Operators.

Version 1.05

Rank C

Symptom corrected:

- Untrained operators can falsely access the Adjustment Settings for Operators and clear the PM counter.
- Executing 'Device Setting Information: Import (Memry Strge Devc)' causes SC819.
- Cannot print from the bypass tray on "Long (up to 700.0mm)" sheets in duplex, if the bypass length setting in SP5-150-001 is set to "Extra Long (up to 1260mm)".

Other changes:

- Changed the default values of the following SPs:
 - SP1-660-003 (default) 5 --> 9
 - SP2-777-003/013 (default) 4100 --> 2100
 - SP2-778-003/013 (default) 4100 --> 2100
 - SP2-778-004/014 (default) 4100 --> 2150
 - SP2-250-031/033/041/043 (default) 5300 --> 6700
 - SP3-623-127 (default) 300 --> 200
 - SP2-908-021 (default) 3.2 (sec) --> 0.8 (sec)
 - SP1-001-001~003 (default) 0 --> 0.69
 - SP1-001-004 (default) 0 --> 0.23
 - SP1-001-007/008 (default) 0 --> 0.57
 - SP1-001-009 (default) 0 --> 0.63
- SC459 occurs due to a failure in the control of the paper transfer pressure unit.

NOTE:

All of the following firmware must be updated together as a set for the fixes described below to take effect.

- System firmware v1.05 (M0B16021J) or later
- Web support firmware v1.01 (M0B16024E) or later
- Animation firmware v1.02 (M0B16026G) or later
- Paper Setting firmware v2.01 (M0BK1424M) or later
- Operator Adjustment firmware v2.01 (M0BK1425H) or later

Symptom corrected:

- Items used for engineering tests that falsely appeared on the operation panel were deleted.

Other changes:

- Supported the following media on the Multi bypass tray (ALEUTIAN-D):
 - Coated: High Gloss
 - Coated: Glossy
 - Coated: Matte

Version 1.04
Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- Fails to download files from the firmware download center using ARFU.

Version 1.03
Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/29

[Program Name] PowerSaving Sys

[Version] 1.L3.15.1

[PCB No.]

[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.] M0B16023B

[File Information]

File Name M0B16023B.fwu

File Type Module for Service

Size 4.00 MB (4194832 byte)

[File Information]

File Name M0B16023B.rfu

File Type Module for Remote Upgrade

Size 4.01 MB (4202752 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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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

Error Correction:

When the DFE is TotalFlowPrint Server R-62 or PrinectDFE and the RPIP Interface Box option is connected, there is no indication of the feed tray 'E' on the operation panel.

[Modification history]

Version 1.L3.15

Rank D

1st Mass production

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

1st Mass production

[Modification history]

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*** Basic Information ***
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[Create date] 2018/07/24

[Program Name] animation

[Version] 1.02

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)

[Firmware No.] M0B16026G

[File Information]

File Name M0B16026G.fwu

File Type Module for Service

Size 12.36 MB (12959516 byte)

[File Information]

File Name M0B16026G.rfu

File Type Module for Remote Upgrade

Size 12.36 MB (12964096 byte)

[Availability of RFU] No

[Production reflection]

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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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***** Basic Information *****
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[Create date] 2019/10/01

[Program Name] animation

[Version] 2.00

[PCB No.]

[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(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)

[Firmware No.] M0B16026J

[File Information]

File Name M0B16026J.fwu

File Type Module for Service

Size 12.11 MB (12701936 byte)

[File Information]

File Name M0B16026J.rfu

File Type Module for Remote Upgrade

Size 12.12 MB (12710144 byte)

[Availability of RFU] No

[Production reflection]

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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

Other changes:

- Tray information appears on the operation panel when the RPIP interface box is connected.

[Modification history]

Version 1.03

Rank C

Other changes:

- Improved the accuracy of the Image Position Adjustment function in Adjustment Settings for Operators. (for Pro C92xx series)
- Improved the operability of the Image Position Adjustment function in Adjustment Settings for Operators.

Version 1.02

Rank C

Symptom corrected:

- Items used for engineering tests that falsely appeared on the operation panel were deleted.

NOTE (for Pro C92xx):

This firmware is dependent on the following firmware modules. Please be sure to update all of them:

- System firmware v1.05 (M0B16021J) or later
- Web support firmware v1.01 (M0B16024E) or later
- Animation firmware v1.02 (M0B16026G) or later
- Paper Setting firmware v2.01 (M0BK1424M) or later
- Operator Adjustment firmware v2.01 (M0BK1425H) or later

Version 1.01

Rank D

1st Mass production

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*** Basic Information ***

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[Create date] 2019/06/11

[Program Name] ACD Unit OS Installer

[Version] 01.002.00

[PCB No.]

[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.] M5185232A

[File Information]

File Name M5185232A.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 1,948.86 MB (2043529170 byte)

Check Sum -8Bit Sum: FDE0

-16Bit Sum(Little Endian): 0538

-16Bit Sum(Big Endian): D8A8

[Availability of RFU] No

[Production reflection]

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*** Note ***

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[Note]

- After the update completes, wait 10~15 seconds before turning Off the printer power.
- Install the OS and App of the following version. See FSM for the installation procedure.
- ACD Unit OS Installer Ver.01.002.00 (Contains two files.)
- ACD Unit App Installer Ver. 01.012.00

Step 1. Install the OS using the memory device (USB flash drive or SD card) loaded with "ver20190217_01.iso."

Step 2. Install the OS using the memory device loaded with "vpu_image_ver2.iso."

Step 3. Install the app using the memory device loaded with "ACD_Unit_App_Installer."

Installing the apps with "ACD_Unit_App_Installer" will install all

of the below:

ACD Unit System 01.010.00
ACD Unit M-FPGA 01.002.00
ACD Unit M-Ri 01.003.00
ACD Unit I-FPGA 01.003.00
ACD Unit I-Ri 01.002.00
ACD Unit Param 01.008.00

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

This package is purposed for use when re-installing the ACD unit, for example when the unit crashes, or its component like the HDD has been replaced.

The package should be installed after re-installing the OS in the occasions as described above.

It is not recommended to use the package without re-installing the OS unless instructed by RCL.

The display will black out during OS/App installation and may appear as if installation is complete.

However, do not remove the memory device or turn Off the machine power unless you verify that installation is complete.

To verify the status, press a key that doesn't affect the installation process, for example the Ctrl key.

Removing the memory device or turning Off the machine power whilst the update may cause failure in starting up the system.

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

Error Correction:

[ACD Unit System]

- SC693-02 may occur with jobs that print the Color Bar.
- Updating the ACD may result in a failure, if the mainframe power is turned OFF without waiting for more than 5 seconds after the update complete message appears.

[ACD Unit OS Installer]

SC693-02 may occur when turning On the main power.

[Modification history]

Version 01.000.00

Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] Web Support

[Version] 6.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B16024H

[File Information]

File Name M0B16024H.fwu

File Type Module for Service

Size 7.25 MB (7599300 byte)

[File Information]

File Name M0B16024H.rfu

File Type Module for Remote Upgrade

Size 7.25 MB (7606528 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
- ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
- ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
- ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
- ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
- ACD Unit Param Ver.02.023.00 (M5185239N) or later

*** Important Notes ***

[Important Notes]

*** Modification History ***

[Modifications made:]

Rank C

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050
-

[Modification history]

Version 1.03

Rank C

Other changes:

- The following values can be set with solution software that uses SOAP I/F.

"SNMPv3 Setting"

- SNMPv3 Trap Communication
- Encryption Algorithm
- Permit SNMPv3 Communication

"Program/Change Administrator"

- Encryption Password
-

Version 1.02

Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.

Other changes:

- Improved the accuracy of the Image Position Adjustment function in Adjustment Settings for Operators. (for Pro C92xx series)
 - Improved the operability of the Image Position Adjustment function in Adjustment Settings for Operators.
-

Version 1.01

Rank C

Symptom corrected:

- Items used for engineering tests that falsely appeared on the operation panel were deleted.

Other changes:

- Supported the following media on the Multi bypass tray (ALEUTIAN-D):
- Coated: High Gloss
- Coated: Glossy
- Coated: Matte

Version 1.00

Rank D

1st Mass production

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*** Basic Information ***

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[Create date] 2019/10/21

[Program Name] System

[Version] 6.02.4

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B16043A

[File Information]

File Name M0B16043A.fwu

File Type Module for Service

Size 26.09 MB (27354012 byte)

[File Information]

File Name M0B16043A.rfu

File Type Module for Remote Upgrade

Size 26.09 MB (27361536 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***

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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
- ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
- ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
- ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
- ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
- ACD Unit Param Ver.02.023.00 (M5185239N) or later

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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version 1.11

Rank C

Supported:

- The CPU is replaced with a newer model, so the BIOS is also updated to support the new model.

Version 1.10

Rank C

Symptom corrected:

- Toner density is higher than target (due to inappropriate process control parameter) and causes the following:
 - * Y and M toner stains on paper edges
 - * SC499-40 (caused by Y toner)

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site. (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)

Version 1.09

Rank C

Symptom corrected:

- Added a guidance in #0105 [Perpendicularity Adjustment] of the Adjustment Settings for Operators menu that prompts operators to perform #0201 [Execute Image Quality Adjustment:Color Registration].
- Image Magnification setting was added to the Adjustment Settings for Operators menu.
- Corrected wrong descriptions in the Adjustment Settings for Operators menu.
- Deleted #0501-01 [Execute Cleaning Initial Setting: KCMY] of the Adjustment Settings for Operators and SP3-032-001.
This setting was deleted because cleaning all four stations at once has the risk of clogging the developer exit and cause images to appear faint. It is requested to clean one station at a time.
- If the custom paper entry registered in No.0001 is not a Plain (default) paper, that paper type is falsely applied to the custom paper that is registered to a number other than No.0001 even when it is a Plain paper
- When updated the following firmware with the front doors falsely open, the firmware do not appear in the list:
Reason: Update fails and the machine cannot recover when attempted to update the above firmware with the front doors open.
CRB-L M0B15273_
SCU-FPGA M0B15261_
- The machine wakes up from the sleep mode when it receives a MIB request from @Remote.
- Cannot select the Korean language setting on the operation panel.
- When the tray runs empty, printing does not resume and instead stops even when the tray is not locked and another tray loaded with the same paper size/type is present.
- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- Image log might not be sent and stay in the device.

Version 1.08

Rank C

Other changes:

- Following changes regarding the test charts printed for the Main scan shading function:
 - Test charts are delivered to trays other than the proof tray.
 - Test charts go through the straight path.

Version 1.07

Rank C

Symptom corrected:

- Banner message to alert replacement of PM parts appears for the fusing belt, heating roller and pressure roller regardless of the PM parts display setting in SP5-062-xx. In addition, these three parts were falsely assigned as cc-call parts.
- [0501:Execute Cleaning Initial Setting for PCU] of the Adjustment Settings for Operators works fine, but the operation panel may display "Failed" after the execution.

Version 1.06.1

Rank C

Symptom corrected:

- The custom paper name is truncated, if edited and saved after importing from the custom paper management database.

Other changes:

- Improved the accuracy of the Image Position Adjustment function in Adjustment Settings for Operators. (for Pro C92xx series)
- Improved the operability of the Image Position Adjustment function in Adjustment Settings for Operators.

Version 1.05

Rank C

Symptom corrected:

- Untrained operators can falsely access the Adjustment Settings for Operators and clear the PM counter.
- Executing 'Device Setting Information: Import (Memory Storage Device)' causes SC819.
- Cannot print from the bypass tray on "Long (up to 700.0mm)" sheets in duplex, if the bypass length setting in SP5-150-001 is set to "Extra Long (up to 1260mm)".

Other changes:

- Changed the default values of the following SPs:
 - SP1-660-003 (default) 5 --> 9
 - SP2-777-003/013 (default) 4100 --> 2100
 - SP2-778-003/013 (default) 4100 --> 2100
 - SP2-778-004/014 (default) 4100 --> 2150
 - SP2-250-031/033/041/043 (default) 5300 --> 6700
 - SP3-623-127 (default) 300 --> 200
 - SP2-908-021 (default) 3.2 (sec) --> 0.8 (sec)
 - SP1-001-001~003 (default) 0 --> 0.69
 - SP1-001-004 (default) 0 --> 0.23
 - SP1-001-007/008 (default) 0 --> 0.57
 - SP1-001-009 (default) 0 --> 0.63
- SC459 occurs due to a failure in the control of the paper transfer pressure unit.

NOTE:

All of the following firmware must be updated together as a set for the fixes described below to take effect.

- System firmware v1.05 (M0B16021J) or later
- Web support firmware v1.01 (M0B16024E) or later
- Animation firmware v1.02 (M0B16026G) or later
- Paper Setting firmware v2.01 (M0BK1424M) or later
- Operator Adjustment firmware v2.01 (M0BK1425H) or later

Symptom corrected:

- Items used for engineering tests that falsely appeared on the operation panel were deleted.

Other changes:

- Supported the following media on the Multi bypass tray (ALEUTIAN-D):
 - Coated: High Gloss

Coated: Glossy
Coated: Matte

Version 1.04
Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- Fails to download files from the firmware download center using ARFU.

Version 1.03
Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/23

[Program Name] ACD Unit System

[Version] V02.024.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185234Q

[File Information]

File Name M5185234Q.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 2.96 MB (3105102 byte)

Check Sum -8Bit Sum: 1729

-16Bit Sum(Little Endian): E77F

-16Bit Sum(Big Endian): 58AA

[Availability of RFU] No

[Production reflection]

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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version 01.010.00

Error Correction:

[VPUSW]

- SC693-02 may occur with jobs that print the Color Bar.
- Updating the ACD may result in a failure, if the mainframe power is turned OFF without waiting for more than 5 seconds after the update complete message appears.

[VMCU RI]

- The image shifts in sub scan direction because an extra line is generated when creating the digital master data.

Other changes:

[OTHERS]

- The name of the zip/extracted folders that contain the updated firmware will change from the firmware module name to the firmware p/n and suffix.

NOTE: From the next version, the filename for 'enc' will also be composed of the version, p/n and suffix. To change the 'enc' filename, the firmware must first be updated to the version of this release. Filename of 'enc' will not change if updated from an older version.

Version V01.008.01

Rank C

Error Correction:

[ACD Unit System]

SC693-02 may occur when turning On the main power.

SC693-06 may occur when printed on sizes that are 440mm long in sub scan direction.

SC693-xx may occur when printed on media with an ACD Property that is 'Disabled' or 'Not applicable.'

[ACD Unit Param]

Enhanced the ACD service logging function.

Version V01.007.00

Rank C

Error Correction:

[ACD Unit System]

- SC693-06 may occur when the tray runs out of paper or after clearing jams.
- SC693-02 may occur when printing 765mm or longer banner sheets.

- SC693-06 may occur when printed on sizes having a length of 216~225mm along the feed direction.
 - Enhanced the ACD service logging function for SC693-xx.
- [ACD Unit Param]
- Enhanced the ACD service logging function for SC693-xx.

Version V01.006.00
Rank C

Error Correction:
[ACD Unit System]
SC693-02 occurs when test patterns or B/W jobs are run consecutively.

Version 01.005.01
Rank C

Error Correction:
[ACD Unit System]

- Expected color stability is not achieved, because the points measured of the colors across the page by the ACD unit is unstable.
- SC693-02 may occur if any of the following Fiery settings differ from the preceding job: [Calibration], [Halftone mode] and [Use maximum printer density].
- SC693-08 may occur when attempted to save the System logs.
- SC693-xx may occur after generating an ACD profile.

[ACD Unit Parameter]

- After turning On the machine power, a delay occurs in activating the ACD unit followed by SC693-02.

Spec Change:
[ACD Unit System]

- When generating the ACD profile results in a failure followed by a retry, the profile is not overwritten but generated correctly.

[ACD Unit Parameter]

- More detailed logs are captured when activating the ACD unit.

Version 01.004.00
Rank C

Error Correction:
[VPUSW]

1. SC693-02
2. SC693 was added with suffix numbers (-05,-07,-08).

[VMCU FPGA]

1. SC693-09
2. Enhanced the ACD service logging function.

[OTHERS]

1. Enhanced the ACD service logging function.
2. Corrected the process of generating the ACD profile logs.

Version 01.003.00

Rank C

Error Correction:

[VPUSW]

1. Color Homing function does not work as expected.
2. SC693-09

[VICU Ri]

Enhanced the logging function for SC occurrences.

[OTHERS]

1. SC693-02 occurs at startup.
2. Enhanced the logging function for SC occurrences.

Note:

When updating the firmware, unzip the downloaded files and verify that the file format is 'enc.'

[When updating from ACD Unit System ver.01.001.00 or older]

- * ACD properties generated with f/w of the previous version are inapplicable with this version.
- * After updating to this version, the DFE displays ACD status as 'Enabled', but ACD is inoperable. Do the following procedure to enable ACD.
 - (1) Reset (invalidate) all the ACD properties with 'a' or 'b' below.
 - a) Reset all ACD properties on the DFE.
 - b) Export the Paper Catalog from the operation panel and save onto a media. Delete all paper catalog entries, (to reset the ACD properties). Import the Paper Catalog.
 - (2) Re-generate the ACD properties.

Version 01.002.00

Rank C

Error Correction

[VPUSW]

1. ACD properties may not be generated, if ACD properties could not be generated properly at the initial attempt.
2. Fix for SC693-XX (excluding SC693-09)
3. Added ACD properties backup/restore function for field technicians only. (The function will become available for users in the future.)

[VMCU RI]

Fix for SC693-XX (excluding SC693-09)

[VICU FPGA]

1. Enhanced the logging function.
2. Fix for SC693-XX (excluding SC693-09)

IMPORTANT!

- * ACD properties generated with f/w of the previous version are inapplicable with this version.
- * After updating to this version, the DFE displays ACD status as 'Enabled', but ACD is inoperable. Do the following procedure to enable ACD.

- (1) Reset (invalidate) all the ACD properties with 'a' or 'b' below.
 - a) Reset all ACD properties on the DFE.
 - b) Export the Paper Catalog from the operation panel and save onto a media. Delete all paper catalog entries, (to reset the ACD properties). Import the Paper Catalog.
- (2) Re-generate the ACD properties.

Version 01.001.00

Rank D

1st Mass production

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***** Basic Information *****

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[Create date] 2019/06/11

[Program Name] ACD Unit App Installer

[Version] 01.012.00

[PCB No.]

[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.] M5185233L

[File Information]

File Name M5185233L.zip
File Type Module for Service(Over 1GByte File .zip/.exe)
Size 157.65 MB (165304180 byte)

Check Sum -8Bit Sum: 89BF
 -16Bit Sum(Little Endian): B12E
 -16Bit Sum(Big Endian): 9791

[Availability of RFU] No

[Production reflection]

*** Note ***

[Note]

Install the OS and App of the following version.

See FSM for the installation procedure.

- ACD Unit OS Installer Ver.01.002.00 (Contains two files.)
- ACD Unit App Installer Ver. 01.012.00

Step 1. Install the OS using the memory device (USB flash drive or
SD card) loaded with "ver20190217_01.iso."

Step 2. Install the OS using the memory device loaded
with "vpu_image_ver2.iso."

Step 3. Install the app using the memory device loaded
with "ACD_Unit_App_Installer."

Installing the apps with "ACD_Unit_App_Installer" will install all of the below:

ACD Unit System 01.010.00

ACD Unit M-FPGA 01.002.00

ACD Unit M-Ri 01.003.00

ACD Unit I-FPGA 01.003.00

ACD Unit I-Ri 01.002.00

ACD Unit Param 01.008.00

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*** Important Notes ***

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[Important Notes]

This package is purposed for use when re-installing the ACD unit, for example when the unit crashes, or its component like the HDD has been replaced.

The package should be installed after re-installing the OS in the occasions as described above.

It is not recommended to use the package without re-installing the OS unless instructed by RCL.

The display will black out during OS/App installation and may appear as if installation is complete.

However, do not remove the memory device or turn Off the machine

power unless you verify that installation is complete.

To verify the status, press a key that doesn't affect the installation process, for example the Ctrl key.

Removing the memory device or turning Off the machine power whilst the update may cause failure in starting up the system.

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*** Modification History ***

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[Modifications made:]

Error Correction:

[VPUSW]

- SC693-02 may occur with jobs that print the Color Bar.
- Updating the ACD may result in a failure, if the mainframe power is turned OFF without waiting for more than 5 seconds after the update complete message appears.

[VMCU RI]

- The image shifts in sub scan direction because an extra line is generated when creating the digital master data.

Other changes:

[OTHERS]

- The name of the zip/extracted folders that contain the updated firmware will change from the firmware module name to the firmware

p/n and suffix.

NOTE: From the next version, the filename for 'enc' will also be composed of the version, p/n and suffix. To change the 'enc' filename, the firmware must first be updated to the version of this release. Filename of 'enc' will not change if updated from an older version.

[Modification history]

Version V01.010.00

Rank C

Error Correction:

[ACD Unit System]

- SC693-02 may occur when turning On the main power.
- SC693-06 may occur when printed on sizes that are 440mm long in sub scan direction.
- SC693-xx may occur when printed on media with an ACD Property that is 'Disabled' or 'Not applicable.'

[ACD Unit Param]

- Enhanced the ACD service logging function.

Version V01.008.01

Rank C

Error Correction:

[ACD Unit System]

- SC693-06 may occur when the tray runs out of paper or after clearing jams.
- SC693-02 may occur when printing 765mm or longer banner sheets.
- SC693-06 may occur when printed on sizes having a length of 216~225mm along the feed direction.
- Enhanced the ACD service logging function for SC693-xx.

[ACD Unit Param]

- Enhanced the ACD service logging function for SC693-xx.

Version V01.007.00

Rank C

Error Correction:

[ACD Unit System]

SC693-02 occurs when test patterns or B/W jobs are run consecutively.

Version 01.006.01

Rank C

Error Correction:

[ACD Unit System]

- Expected color stability is not achieved, because the points measured of the colors across the page by the ACD unit is unstable.
- SC693-02 may occur if any of the following Fiery settings differ from the preceding job: [Calibration], [Halftone mode] and

[Use maximum printer density].

- SC693-08 may occur when attempted to save the System logs.
- SC693-xx may occur after generating an ACD profile.

[ACD Unit Parameter]

- After turning On the machine power, a delay occurs in activating the ACD unit followed by SC693-02.

Spec Change:

[ACD Unit System]

- When generating the ACD profile results in a failure followed by a retry, the profile is not overwritten but generated correctly.

[ACD Unit Parameter]

- More detailed logs are captured when activating the ACD unit.

Version 01.005.00

Rank C

Error Correction:

[VPUSW]

1. SC693-02
2. SC693 was added with suffix numbers (-05,-07,-08).

[VMCU FPGA]

1. SC693-09
2. Enhanced the ACD service logging function.

[OTHERS]

1. Enhanced the ACD service logging function.

2. Corrected the process of generating the ACD profile logs.

Version 1.004.00

Rank C

Error Correction:

[VPUSW]

1. Color Homing function does not work as expected.
2. SC693-09

[VICU Ri]

Enhanced the logging function for SC occurrences.

[OTHERS]

1. SC693-02 occurs at startup.
2. Enhanced the logging function for SC occurrences.

Note:

* By applying this installer, the firmware will be update to the versions listed below:

ACD Unit System 01.003.00

ACD Unit M-FPGA 01.000.00

ACD Unit M-Ri 01.001.00

ACD Unit I-FPGA 01.001.00

ACD Unit I-Ri 01.001.00

ACD Unit Param 01.003.00

* When updating the firmware, unzip the downloaded files and verify

that the file format is 'enc.'

[When updating from ACD Unit System ver.01.001.00 or older]

- * ACD properties generated with f/w of the previous version are inapplicable with this version.
- * After updating to this version, the DFE displays ACD status as 'Enabled', but ACD is inoperable. Do the following procedure to enable ACD.

- (1) Reset (invalidate) all the ACD properties with 'a' or 'b' below.
 - a) Reset all ACD properties on the DFE.
 - b) Export the Paper Catalog from the operation panel and save onto a media. Delete all paper catalog entries, (to reset the ACD properties). Import the Paper Catalog.
- (2) Re-generate the ACD properties.

Version 01.003.00

Rank D

1st Mass production

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*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] ACD Unit M-FPGA

[Version] 01.002.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185235E

[File Information]

File Name M5185235E.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 7.89 MB (8271019 byte)

Check Sum -8Bit Sum: 2F0C

 -16Bit Sum(Little Endian): 671A

 -16Bit Sum(Big Endian): D3F2

[Availability of RFU] No

[Production reflection]

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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version V01.002.00

Rank C

Error Correction:

[ACD Unit System]

SC693-02 may occur when turning On the main power.

SC693-06 may occur when printed on sizes that are 440mm long in sub scan direction.

SC693-xx may occur when printed on media with an ACD Property that is 'Disabled' or 'Not applicable.'

[ACD Unit Param]

Enhanced the ACD service logging function.

Version 01.001.00

Error Correction:

[VPUSW]

1. SC693-02
2. SC693 was added with suffix numbers (-05,-07,-08).

[VMCU FPGA]

1. SC693-09
2. Enhanced the ACD service logging function.

[OTHERS]

1. Enhanced the ACD service logging function.
2. Corrected the process of generating the ACD profile logs.

Version 1.00

Rank D

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2019/10/23

[Program Name] ACD Unit I-Ri

[Version] V02.000.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185238D

[File Information]

File Name M5185238D.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 0.02 MB (25364 byte)

Check Sum -8Bit Sum: 80F0

-16Bit Sum(Little Endian): C904

-16Bit Sum(Big Endian): A7EC

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Rank C

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version 01.002.00

Rank C

Error Correction:

[VPUSW]

1. SC693-02
2. SC693 was added with suffix numbers (-05,-07,-08).

[VMCU FPGA]

1. SC693-09
2. Enhanced the ACD service logging function.

[OTHERS]

1. Enhanced the ACD service logging function.
2. Corrected the process of generating the ACD profile logs.

Version 01.001.00

Rank C

Error Correction:

[VPUSW]

1. Color Homing function does not work as expected.
2. SC693-09

[VICU Ri]

Enhanced the logging function for SC occurrences.

[OTHERS]

1. SC693-02 occurs at startup.
2. Enhanced the logging function for SC occurrences.

Note:

When updating the firmware, unzip the downloaded files and verify that the file format is 'enc.'

Version 1.00

Rank D

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] ACD Unit Param

[Version] V02.023.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185239N

[File Information]

File Name M5185239N.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 87.32 MB (91562255 byte)

Check Sum -8Bit Sum: D7AF

-16Bit Sum(Little Endian): D827

-16Bit Sum(Big Endian): AE88

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Rank C

Specification Change:

Support of new peripherals

* Finisher SR5110 / Booklet Finisher SR5120

* Cover Interposer Tray CI5040

* Trimmer Unit TR5050

[Modification history]

Version 01.008.00

Error Correction:

[VPUSW]

- SC693-02 may occur with jobs that print the Color Bar.
- Updating the ACD may result in a failure, if the mainframe power is turned OFF without waiting for more than 5 seconds after the update complete message appears.

[VMCU RI]

- The image shifts in sub scan direction because an extra line is generated when creating the digital master data.

Other changes:

[OTHERS]

- The name of the zip/extracted folders that contain the updated firmware will change from the firmware module name to the firmware p/n and suffix.

NOTE: From the next version, the filename for 'enc' will also be composed of the version, p/n and suffix.

To change the 'enc' filename, the firmware must first be updated to the version of this release.

Filename of 'enc' will not change if updated from an older version.

Version V01.007.00

Rank C

Error Correction:

[ACD Unit System]

SC693-02 may occur when turning On the main power.

SC693-06 may occur when printed on sizes that are 440mm long in sub scan direction.

SC693-xx may occur when printed on media with an ACD Property that is 'Disabled' or 'Not applicable.'

[ACD Unit Param]

Enhanced the ACD service logging function.

Version V01.006.00

Rank C

Error Correction:

[ACD Unit System]

- SC693-06 may occur when the tray runs out of paper or after clearing jams.
- SC693-02 may occur when printing 765mm or longer banner sheets.

- SC693-06 may occur when printed on sizes having a length of 216~225mm along the feed direction.
 - Enhanced the ACD service logging function for SC693-xx.
- [ACD Unit Param]
- Enhanced the ACD service logging function for SC693-xx.

Version 01.005.00
Rank C

Error Correction:

[ACD Unit System]

- Expected color stability is not achieved, because the points measured of the colors across the page by the ACD unit is unstable.
- SC693-02 may occur if any of the following Fiery settings differ from the preceding job: [Calibration], [Halftone mode] and [Use maximum printer density].
- SC693-08 may occur when attempted to save the System logs.
- SC693-xx may occur after generating an ACD profile.

[ACD Unit Parameter]

- After turning On the machine power, a delay occurs in activating the ACD unit followed by SC693-02.

Spec Change:

[ACD Unit System]

- When generating the ACD profile results in a failure followed by a retry, the profile is not overwritten but generated correctly.

[ACD Unit Parameter]

- More detailed logs are captured when activating the ACD unit.

Version 01.004.00
Rank C

Error Correction:

[VPUSW]

1. SC693-02
2. SC693 was added with suffix numbers (-05,-07,-08).

[VMCU FPGA]

1. SC693-09
2. Enhanced the ACD service logging function.

[OTHERS]

1. Enhanced the ACD service logging function.
2. Corrected the process of generating the ACD profile logs.

Version 01.003.00
Rank C

Error Correction:

[VPUSW]

1. Color Homing function does not work as expected.
2. SC693-09

[VICU Ri]

Enhanced the logging function for SC occurrences.

[OTHERS]

1. SC693-02 occurs at startup.
2. Enhanced the logging function for SC occurrences.

Note:

When updating the firmware, unzip the downloaded files and verify that the file format is 'enc.'

Version 01.002.00
Rank C

Error Correction

[VPUSW]

1. ACD properties may not be generated, if ACD properties could not be generated properly at the initial attempt.
2. Fix for SC693-XX (excluding SC693-09)
3. Added ACD properties backup/restore function for field technicians only. (The function will become available for users in the future.)

[VMCU RI]

Fix for SC693-XX (excluding SC693-09)

[VICU FPGA]

1. Enhanced the logging function.
2. Fix for SC693-XX (excluding SC693-09)

Version 01.001.00
Rank D

1st Mass production

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*** Basic Information ***

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[Create date] 2019/10/21

[Program Name] ACD Unit App Installer

[Version] V02.024.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185233M

[File Information]

File Name M5185233M.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 244.92 MB (256821129 byte)

Check Sum -8Bit Sum: BCDE

 -16Bit Sum(Little Endian): 1F9B

 -16Bit Sum(Big Endian): 7B43

[Availability of RFU] No

[Production reflection]

*** Note ***

[Note]

By applying this installer, the firmware will be update to the
versions listed below:

- ACD Unit System Ver.02.024.00
- ACD Unit M-FPGA Ver.01.002.00
- ACD Unit M-Ri Ver.02.000.00
- ACD Unit I-FPGA Ver.01.004.00
- ACD Unit I-Ri Ver.02.000.00
- ACD Unit Param Ver.02.023.00

All of the following firmware must be updated together as a set for
this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

* When updating the firmware, unzip the downloaded files and verify that the file format is 'enc.'

* After the update completes, wait 10~15 seconds before turning Off the printer power.

* Make sure SP1-721-001 (ACD Unit Connection Setting) is set to "1:Connect" before updating.

* If the new firmware version does not appear in SP or SMC after the update, power cycle the printer

* Off/On again. If that doesn't solve the problem, load only the firmware requiring the update on the SD card and try updating again.

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*** Important Notes ***

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[Important Notes]

"ACD Unit App Installer" contains 6 firmware for the ACD unit.

This package is purposed for use when re-installing the ACD unit,

for example when the unit crashes, or its component like the HDD has been replaced.

The package should be installed after re-installing the OS in the

occasions as described above.

It is not recommended to use the package without re-installing the OS unless instructed by RCL.

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*** Modification History ***

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[Modifications made:]

Rank C

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version 01.012.00

Error Correction:

[VPUSW]

- SC693-02 may occur with jobs that print the Color Bar.
- Updating the ACD may result in a failure, if the mainframe power is turned OFF without waiting for more than 5 seconds after the

update complete message appears.

[VMCU RI]

- The image shifts in sub scan direction because an extra line is generated when creating the digital master data.

Other changes:

[OTHERS]

- The name of the zip/extracted folders that contain the updated firmware will change from the firmware module name to the firmware p/n and suffix.

NOTE: From the next version, the filename for 'enc' will also be composed of the version, p/n and suffix. To change the 'enc' filename, the firmware must first be updated to the version of this release. Filename of 'enc' will not change if updated from an older version.

Version V01.010.00

Rank C

Error Correction:

[ACD Unit System]

- SC693-02 may occur when turning On the main power.
- SC693-06 may occur when printed on sizes that are 440mm long in sub scan direction.
- SC693-xx may occur when printed on media with an ACD Property that is 'Disabled' or 'Not applicable.'

[ACD Unit Param]

- Enhanced the ACD service logging function.

Version V01.008.01

Rank C

Error Correction:

[ACD Unit System]

- SC693-06 may occur when the tray runs out of paper or after clearing jams.
- SC693-02 may occur when printing 765mm or longer banner sheets.
- SC693-06 may occur when printed on sizes having a length of 216~225mm along the feed direction.
- Enhanced the ACD service logging function for SC693-xx.

[ACD Unit Param]

- Enhanced the ACD service logging function for SC693-xx.

Version V01.007.00

Rank C

Error Correction:

[ACD Unit System]

SC693-02 occurs when test patterns or B/W jobs are run consecutively.

Version 01.006.01

Rank C

Error Correction:

[ACD Unit System]

- Expected color stability is not achieved, because the points measured of the colors across the page by the ACD unit is unstable.
- SC693-02 may occur if any of the following Fiery settings differ from the preceding job: [Calibration], [Halftone mode] and [Use maximum printer density].
- SC693-08 may occur when attempted to save the System logs.
- SC693-xx may occur after generating an ACD profile.

[ACD Unit Parameter]

- After turning On the machine power, a delay occurs in activating the ACD unit followed by SC693-02.

Spec Change:

[ACD Unit System]

- When generating the ACD profile results in a failure followed by a retry, the profile is not overwritten but generated correctly.

[ACD Unit Parameter]

- More detailed logs are captured when activating the ACD unit.

Version 01.005.00

Rank C

Error Correction:

[VPUSW]

1. SC693-02

2. SC693 was added with suffix numbers (-05,-07,-08).

[VMCU FPGA]

1. SC693-09

2. Enhanced the ACD service logging function.

[OTHERS]

1. Enhanced the ACD service logging function.

2. Corrected the process of generating the ACD profile logs.

Version 1.004.00

Rank C

Error Correction:

[VPUSW]

1. Color Homing function does not work as expected.

2. SC693-09

[VICU Ri]

Enhanced the logging function for SC occurrences.

[OTHERS]

1. SC693-02 occurs at startup.

2. Enhanced the logging function for SC occurrences.

Note:

* By applying this installer, the firmware will be update to the
versions listed below:

ACD Unit System 01.003.00
ACD Unit M-FPGA 01.000.00
ACD Unit M-Ri 01.001.00
ACD Unit I-FPGA 01.001.00
ACD Unit I-Ri 01.001.00
ACD Unit Param 01.003.00

* When updating the firmware, unzip the downloaded files and verify that the file format is 'enc.'

[When updating from ACD Unit System ver.01.001.00 or older]

- * ACD properties generated with f/w of the previous version are inapplicable with this version.
- * After updating to this version, the DFE displays ACD status as 'Enabled', but ACD is inoperable. Do the following procedure to enable ACD.

- (1) Reset (invalidate) all the ACD properties with 'a' or 'b' below.
 - a) Reset all ACD properties on the DFE.
 - b) Export the Paper Catalog from the operation panel and save onto a media. Delete all paper catalog entries, (to reset the ACD properties). Import the Paper Catalog.
- (2) Re-generate the ACD properties.

Version 01.003.00
Rank D

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/05/25

[Program Name] SCU-FPGA

[Version] 00.610

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B15261A

[File Information]

File Name M0B15261A.fwu

File Type Module for Service

Size 1.74 MB (1820152 byte)

[File Information]

File Name M0B15261A.rfu

File Type Module for Remote Upgrade

Size 1.74 MB (1827072 byte)

[Availability of RFU] No

[Production reflection] 1st Mass Production

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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 D

1st Mass production

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2018/05/25

[Program Name] CRB-L

[Version] 00.730

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B15273C

[File Information]

File Name M0B15273C.fwu

File Type Module for Service

Size 2.04 MB (2142712 byte)

[File Information]

File Name M0B15273C.rfu

File Type Module for Remote Upgrade

Size 2.05 MB (2150656 byte)

[Availability of RFU] Yes

[Production reflection] 2018/05

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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 D

1st Mass production

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2018/11/14

[Program Name] MediaLibNA ProC9200 A+B

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14055_4

[File Information]

File Name M0B14055_4.fwu

File Type Module for Service

Size 0.23 MB (238132 byte)

[File Information]

File Name M0B14055_4.rfu

File Type Module for Remote Upgrade

Size 0.23 MB (246016 byte)

[Availability of RFU] No

[Production reflection]

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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

Media list

Added 140 new entries (A rank: 54, B rank: 80, C rank: 6)

[Modification history]

Version 3

Rank C

Media list

Added 9 new entries (A rank: 6, B rank: 3, C rank: 0)

IMSS data (media library data)

Added 9new entries (A rank: 6, B rank: 3)

Version 2

Rank C

This is the initial release.

Version 1 was not released to the field, because the release of
Version 2 followed immediately.

=====
*** Basic Information ***
=====

[Create date] 2018/11/14

[Program Name] MediaLibNA ProC9210 A+B

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14056_4

[File Information]

File Name M0B14056_4.fwu

File Type Module for Service

Size 0.23 MB (238132 byte)

[File Information]

File Name M0B14056_4.rfu

File Type Module for Remote Upgrade

Size 0.23 MB (246016 byte)

[Availability of RFU] Yes

[Production reflection]

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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 ***
=====

=====
[Modifications made:]

Rank C

Media list

Added 140 new entries (A rank: 54, B rank: 80, C rank: 6)

[Modification history]

Version 3

Rank C

Media list

Added 9 new entries (A rank: 6, B rank: 3, C rank: 0)

IMSS data (media library data)

Added 9new entries (A rank: 6, B rank: 3)

Version 2

Rank C

This is the initial release.

Version 1 was not released to the field, because the release of
Version 2 followed immediately.

=====
*** Basic Information ***
=====

[Create date] 2018/08/07

[Program Name] MediaLibEU ProC9200 A+B

[Version] 3

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14058_3

[File Information]

File Name M0B14058_3.fwu

File Type Module for Service

Size 0.16 MB (163016 byte)

[File Information]

File Name M0B14058_3.rfu

File Type Module for Remote Upgrade

Size 0.16 MB (168192 byte)

[Availability of RFU] No

[Production reflection]

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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 ***
=====

[Modifications made:]

Rank C

- (1) Added 17 new entries (A rank: 11, B rank: 6)
- (2) RE_00924, RE_00928, RE_00932: Name was corrected from Playper to Player.
- (3) RE_00420:B(ST1) was deleted due to duplication.

[Modification history]

Version 2

Rank C

This is the initial release.
Version 1 was not released to the field, because the release of
Version 2 followed immediately.

=====
*** Basic Information ***
=====

[Create date] 2018/08/07

[Program Name] MediaLibEU ProC9210 A+B

[Version] 3

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14059_3

[File Information]

File Name M0B14059_3.fwu

File Type Module for Service

Size 0.16 MB (163016 byte)

[File Information]

File Name M0B14059_3.rfu

File Type Module for Remote Upgrade

Size 0.16 MB (168192 byte)

[Availability of RFU] No

[Production reflection]

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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 ***
=====

[Modifications made:]

Rank C

- (1) Added 17 new entries (A rank: 11, B rank: 6)
- (2) RE_00924, RE_00928, RE_00932: Name was corrected from Playper to Player.
- (3) RE_00420:B(ST1) was deleted due to duplication.

[Modification history]

Version 2

Rank C

This is the initial release.
Version 1 was not released to the field, because the release of
Version 2 followed immediately.

=====
*** Basic Information ***
=====

[Create date] 2018/11/15

[Program Name] MediaLibAP ProC9200 A+B

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14061_4

[File Information]

File Name M0B14061_4.fwu

File Type Module for Service

Size 0.34 MB (353456 byte)

[File Information]

File Name M0B14061_4.rfu

File Type Module for Remote Upgrade

Size 0.34 MB (360704 byte)

[Availability of RFU] Yes

[Production reflection]

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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

Media list

- (1) Added 171 new entries (A rank: 95, B rank: 76, C rank: 0)
- (2) RE_00063, RE_00081: Between the two results (reg. priority RA and conventional), the conventional was deleted.
- (3) RE_00063: Corrected the description from RA_LumiArt to LumiArt_RA)
- (4) RE_00063: Corrected the fusing temp for ProC9200 (0 --> 180)
- (5) RE_00081: Corrected the description from RA_Novatech Gloss to Novatech Gloss_RA.
- (6) RE_00152: Duplication of SP-C and ST1; deleted ST1.
- (7) RE_00274, RE_00275: Deleted; not tested.
- (8) RE_00281, RE_00282 Added type'Recycled Silk Coated' and '330 x 700 mm' to the size, corrected A to B.
- (9) RE_00281(type: Bulky Media):[image quality] rank A corrected to B.
- (10) RE_00294: Duplication of SP-C and ST1; deleted ST1.
- (11) RE_00928: Corrected coat type from Off to Matted.
- (12) RE_00214: UPM DIGI Finesse Premium Silk 130gsm is registered with two ID#, accordingly the ID# was changed to AP_00029 / RE_00214

IMSS data (media library data)

- (1) Added 171 new entries (A rank: 95, B rank: 76)
- (2) RE_00063, RE_00081: Between the two results (reg. priority RA and conventional), the conventional was deleted.
- (3) RE_00924, RE_00928, RE_00932: Corrected the description from Player to Playper. (NOTE: IMSS data of Ver.3 was incorrect, therefore retrieved the correct data of Ver.2.)

[Modification history]

Version 3

Rank C

Media list

- Added 15 new entries (A rank: 11, B rank: 4, C rank: 0) RE_00137, RE_00146, RE_00168, RE_00218, RE_00278, RE_00303, RE_00304, RE_00425, RE_00824, RE_00886, RE_00887, RE_00888, RE_00889, RE_00890, RE_00891, RE_00901 (16 stocks): suffix 'Low speed' was changed to '_HQ2'.
- RE_00420: Result of B(ST1) was a duuplication and therefore deleted.
- RE_00221: Overall rank was changed from A to B, and remark was added.

IMSS data (media library data)

- Added 15 new entries (A rank: 11, B rank: 4)
- RE_00924, RE_00928, RE_00932: Typo in the stock name was corrected from 'Playper' to 'Player'.
- RE_00420: Result of B(ST1) was a duplication and therefore deleted.

Version 2

Rank C

This is the initial release.

Version 1 was not released to the field, because the release of Version 2 followed immediately.

=====
*** Basic Information ***
=====

[Create date] 2018/11/15

[Program Name] MediaLibAP ProC9210 A+B

[Version] 4

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14062_4

[File Information]

File Name M0B14062_4.fwu

File Type Module for Service

Size 0.34 MB (353456 byte)

[File Information]

File Name M0B14062_4.rfu

File Type Module for Remote Upgrade

Size 0.34 MB (360704 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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

=====
*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Media list

- (1) Added 171 new entries (A rank: 95, B rank: 76, C rank: 0)
- (2) RE_00063, RE_00081: Between the two results (reg. priority RA and conventional), the conventional was deleted.
- (3) RE_00063: Corrected the description from RA_LumiArt to LumiArt_RA)
- (4) RE_00063: Corrected the fusing temp for ProC9200 (0 --> 180)
- (5) RE_00081: Corrected the description from RA_Novatech Gloss to Novatech Gloss_RA.
- (6) RE_00152: Duplication of SP-C and ST1; deleted ST1.
- (7) RE_00274, RE_00275: Deleted; not tested.
- (8) RE_00281, RE_00282 Added type 'Recycled Silk Coated' and '330 x 700 mm' to the size, corrected A to B.
- (9) RE_00281(type: Bulky Media): [image quality] rank A corrected to B.
- (10) RE_00294: Duplication of SP-C and ST1; deleted ST1.
- (11) RE_00928: Corrected coat type from Off to Matted.
- (12) RE_00214: UPM DIGI Finesse Premium Silk 130gsm is registered with two ID#, accordingly the ID# was changed to AP_00029 / RE_00214

IMSS data (media library data)

- (1) Added 171 new entries (A rank: 95, B rank: 76)
- (2) RE_00063, RE_00081: Between the two results (reg. priority RA and conventional), the conventional was deleted.
- (3) RE_00924, RE_00928, RE_00932: Corrected the description from Player to Playper. (NOTE: IMSS data of Ver.3 was incorrect, therefore retrieved the correct data of Ver.2.)

[Modification history]

Version 3

Rank C

Media list

- Added 15 new entries (A rank: 11, B rank: 4, C rank: 0)
RE_00137, RE_00146, RE_00168, RE_00218, RE_00278, RE_00303, RE_00304, RE_00425, RE_00824, RE_00886, RE_00887, RE_00888, RE_00889, RE_00890, RE_00891, RE_00901 (16 stocks): suffix 'Low speed' was changed to '_HQ2'.
- RE_00420: Result of B(ST1) was a duuplication and therefore deleted.
- RE_00221: Overall rank was changed from A to B, and remark was added.

IMSS data (media library data)

- Added 15 new entries (A rank: 11, B rank: 4)
- RE_00924, RE_00928, RE_00932: Typo in the stock name was corrected from 'Playper' to 'Player'.
- RE_00420: Result of B(ST1) was a duplication and therefore deleted.

Version 2

Rank C

This is the initial release.

Version 1 was not released to the field, because the release of Version 2 followed immediately.

=====
*** Basic Information ***
=====

[Create date] 2018/11/15

[Program Name] MediaLibCN ProC9200 A+B

[Version] 1

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14064_1

[File Information]

File Name M0B14064_1.fwu

File Type Module for Service

Size 0.35 MB (366152 byte)

[File Information]

File Name M0B14064_1.rfu

File Type Module for Remote Upgrade

Size 0.36 MB (372992 byte)

[Availability of RFU] No

[Production reflection]

=====
*** Note ***
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[Note]

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

=====
*** Modification History ***
=====

=====

[Modifications made:]

Rank C

Media list

- 332 new media entries (A rank: 169, B rank: 161, C rank: 2)

IMSS data (Media library data)

- Added 330 new entries (A rank: 169, B rank: 161)

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2018/11/15

[Program Name] MediaLibCN ProC9210 A+B

[Version] 1

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] M0B14065_1

[File Information]

File Name M0B14065_1.fwu

File Type Module for Service

Size 0.35 MB (366152 byte)

[File Information]

File Name M0B14065_1.rfu

File Type Module for Remote Upgrade

Size 0.36 MB (372992 byte)

[Availability of RFU] No

[Production reflection]

=====
*** Note ***
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[Note]

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*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====

[Modifications made:]

Rank C

Media list

- 332 new media entries (A rank: 169, B rank: 161, C rank: 2)

IMSS data (Media library data)

- Added 330 new entries (A rank: 169, B rank: 161)

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2019/10/23

[Program Name] ACD Unit M-Ri

[Version] V02.000.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185236D

[File Information]

File Name M5185236D.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 0.02 MB (18324 byte)

Check Sum -8Bit Sum: 2564

-16Bit Sum(Little Endian): 6A6E

-16Bit Sum(Big Endian): 1EF6

[Availability of RFU] No

[Production reflection]

=====
*** Note ***
=====

[Note]

=====
*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

[Modifications made:]

Rank C

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

Version 01.003.00

Error Correction:

[VPUSW]

- SC693-02 may occur with jobs that print the Color Bar.
- Updating the ACD may result in a failure, if the mainframe power is turned OFF without waiting for more than 5 seconds after the update complete message appears.

[VMCU RI]

- The image shifts in sub scan direction because an extra line is generated when creating the digital master data.

Other changes:

[OTHERS]

- The name of the zip/extracted folders that contain the updated firmware will change from the firmware module name to the firmware p/n and suffix.

NOTE: From the next version, the filename for 'enc' will also be composed of the version, p/n and suffix.

To change the 'enc' filename, the firmware must first be updated to the version of this release. Filename of 'enc' will not change if updated from an older version.

Version 01.001.00

Rank C

Error Correction

[VPUSW]

1. ACD properties may not be generated, if ACD properties could not be generated properly at the initial attempt.
2. Fix for SC693-XX (excluding SC693-09)
3. Added ACD properties backup/restore function for field technicians only. (The function will become available for users in the future.)

[VMCU RI]

Fix for SC693-XX (excluding SC693-09)

[VICU FPGA]

1. Enhanced the logging function.
2. Fix for SC693-XX (excluding SC693-09)

Version 1.00

Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] ACD Unit I-FPGA

[Version] V01.004.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M5185237E

[File Information]

File Name M5185237E.zip

File Type Module for Service(Over 1GByte File .zip/.exe)

Size 5.23 MB (5480105 byte)

Check Sum -8Bit Sum: 158B

-16Bit Sum(Little Endian): FE08

-16Bit Sum(Big Endian): A283

[Availability of RFU] No

[Production reflection]

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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120

- * Cover Interposer Tray CI5040

- * Trimmer Unit TR5050

Error Correction:

[ACD Unit System]

SC693-02 at machine startup.

SC693-06 when running jobs using paper sizes approximately 440mm in sub scan direction.

SC693-xx when running jobs using media that is not enabled of the ACD property.

[ACD Unit Param]

Enhanced logging function for problem analysis.

[Modification history]

Version V01.003.00

Rank C

Error Correction:

[ACD Unit System]

SC693-02 may occur when turning On the main power.

SC693-06 may occur when printed on sizes that are 440mm long in sub scan direction.

SC693-xx may occur when printed on media with an ACD Property that is 'Disabled' or 'Not applicable.'

[ACD Unit Param]

Enhanced the ACD service logging function.

Version 01.001.00

Rank C

Error Correction:

[VPUSW]

1. ACD properties may not be generated, if ACD properties could not be generated properly at the initial attempt.

2. Fix for SC693-XX (excluding SC693-09)

3. Added ACD properties backup/restore function for field technicians only. (The function will become available for users in the future.)

[VMCU RI]

Fix for SC693-XX (excluding SC693-09)

[VICU FPGA]

1. Enhanced the logging function.

2. Fix for SC693-XX (excluding SC693-09)

Version 1.00

Rank D

1st Mass production

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*** Basic Information ***

=====

[Create date] 2019/10/21

[Program Name] Engine

[Version] 1.70:12

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B15160P

[File Information]

File Name M0B15160P.fwu

File Type Module for Service

Size 15.75 MB (16515700 byte)

[File Information]

File Name M0B15160P.rfu

File Type Module for Remote Upgrade

Size 15.76 MB (16523520 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***

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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- JaguarSystem Ver.6.00 (M0B21400) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
- ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
- ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
- ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
- ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
- ACD Unit Param Ver.02.023.00 (M5185239N) or later

*** Important Notes ***

[Important Notes]

*** Modification History ***

[Modifications made:]

Rank C

Specification Change:

- Support of new peripherals
 - * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

Symptom corrected:

- Added the Cover Interposer CI5040 tray fan volume setting to prevent multi/non-feeds in Adjustment Settings for Operators.
- Following changes to the finisher SR5110 and booklet finisher SR5120:
 - * Added the ON/OFF option for the punch hole false detection control
 - * Extended the punch skew correction range from -1mm~+1mm to -3mm~+3mm, to prevent possible damage to paper edges with punch jobs.
 - * Pre-stack function available for custom paper sizes.
- Image is not printed on the tab of index paper when jobs are run from the TotalFlow Print Server R-62 / Prinect DFE.

[Modification history]

Version 1.61:12

Rank C

Symptom corrected:

- SC459 may occur if the cover page for a perfect-bound book is fed from the mainframe tray.

Version 1.60:12

Rank C

Symptom corrected:

- Printing 435mm custom size causes Jam80 (sub scan registration error) at a 100% rate. Disabling Jam80 detection causes Jam28 (shift roller exit sensor lag).
- SC518 (paper cooling belt overrun error) occurs during the initialization process when turning On the machine power or closing the doors or at the start of a job.
- Toner density is higher than target (due to inappropriate process control parameter) and causes the following:
 - * Y and M toner stains on paper edges

- * SC499-40 (caused by Y toner)
- Frequently executing the PCDU refreshing for all colors causes Cyan density to reduce.
- Productivity is low in BW/FC mixed jobs due to inappropriate default value set for the Auto Color Selection function.
- Machine generates abnormal noise when printed on sizes ranging 633.5-655mm in duplex.
- Leading edge of the paper is nicked when printed A4SEF, B5SEF and LTSEF.
- Maximum image density set in Advanced Settings is not honored when the trays switch in mixed media jobs.

Version 1.53:12
Rank C

Symptom corrected:
Executing SP1-613-001 (Gray Balance Adj. Execution) always results in "Failed" as displayed in SP1-613-002 (Gray Balance Adj. Result). This occurs only with Engine FW Ver.1.521:12 (M0B15160K). With the gray balance adjustment failing, color calibration, main-scan shading and color homing functions of the ACD Unit do not work properly because the TIM-Red cannot scan the colors correctly.

Version 1.521:12
Rank C

Symptom corrected:

- 1) TIM-Red exposure lamp turns on even during black & white printing.
- 2) Productivity of mixed media jobs containing thick media is lower than expected in some cases.

NOTE: For the fix contained in this release to take effect, make sure to modify the following SP settings.

SP2-998-081 (Engine Design Area UL / UL01) : 130

SP2-998-082 (Engine Design Area UL / UL02): 100

SP2-998-083 (Engine Design Area UL / UL03): 100

SP2-907-001 (ACS Switch Set): 0

- 3) Self Diagnosis Report (SP5-990-005) and ROM No./ Firmware Version (SP7-801-255) do not display the CRB-L firmware version correctly. See RTB #RM0B1026a for detail.

- 4) SC670-02 (When machine power on, the engine down) occurs if the power button is pressed while process control is running.

- 5) Productivity decreases when printing multiple jobs and the fusing temp changes.
Note: Update the ACD Unit System to ver. 01.006.00 (M5185234J) or newer, or SC693-02 may appear.

Version 1.501:12
Rank C

Symptom corrected:

- Jam71 occurs when printed banner paper with the process speed set to Low.
- Exit junction gate does not stop at the correct home position and causes Jam90 and Jam40.
- The following SC descriptions were incorrect:
 - SC547-01 is falsely displayed as SC547-04.
 - SC547-02 is falsely displayed as SC547-05.
 - SC547-04 is falsely displayed as SC547-01.
 - SC547-05 is falsely displayed as SC547-02.
- SC670-02 occurs at the start of jobs that feed sheets from the Plockmatic High Capacity Interposer.
- When the media switches in a mixed-media job using custom paper from the library, the sheets go through the fusing unit without waiting for the fusing unit to reach the target temp.

Specification changes:

The total number of SP settings that require modification when the s/n of the Imaging Section and Fusing Section and not in pair was reduced. (Example of s/n in pair: 5018F510008 and 5018F520008)

Version 1.42:12
Rank C

Symptom corrected:

- In banner printing, the subtle difference in the line speed between the mainframe and LCT may cause the vertical transport roller to put excess pressure on the sheet and flip up the trailing edge.
- After executing DEMS, multiple bands in yellow may appear in main scan direction.
- SC693-09
- When printing multiple copies of a perfect bound job, only the first copy is printed.
- Productivity decreases when sheets are fed alternately from the mainframe tray and Large Capacity Interposer.
- In the job after executing IBACC, the image density may appear lighter than expected.
- After performing a color calibration the hue of the color may change.

Other changes:

- Improved the accuracy of the Image Position Adjustment function in Adjustment Settings for Operators. (for Pro C92xx series)
- Improved the operability of the Image Position Adjustment function in Adjustment Settings for Operators.

Specification Change:

- The Color Homing function is turned On at all times. Even if it is turned Off in SP1-721-001, powering the machine Off/On will turn the function back On.

Important:

To turn Off the function, set both SP1-722-001 and SP1-722-005 to "0: OFF."
To turn it back On, set both SP1-722-001 and SP1-722-005 back to "1: ON."
With SP1-722-001 and SP1-722-005 set to "0: OFF", turning Off/On the power will not enable the function.

Version 1.30:12
Rank C

Symptom corrected:

- SC459 occurs due to a failure in the control of the paper transfer pressure unit.
- Changed the default values of the following SP:
 - SP2-250-031/033/041/043 (default) 5300 --> 6700
- SC665-06 occurs, if the front door is opened while printing or while in Standby mode.
- Productivity decreases when jobs are run after replacing with a new ITB, Image Transfer Rollers or PTB Bias Roller.
- The overall image density increases, if the line width setting is increased in Adjustment Settings for Operators.
- When a jam occurs the operation panel remains displaying 'Printing...'
- If the LCT is loaded with paper exceeding the stack capacity, the operation panel displays 'No paper in tray', and reloading the paper may cause SC503.

Other changes:

- Specification Change:
 - Image registration adjustment range and the correctional procedure when the required registration adjustment exceeds the range were modified.
 - Adjustment range: +/-3mm --> +/-6mm
 - Image scaling adjustment in sub scan direction: +/-0.5% fixed -> Adjustable (Refers to the value specified in SP 1-073-001/002 [Auto Reg SubMagn Adj Range].)
- Changed the default values of the following SPs:
 - SP1-001-001~003 (default) 0 --> 0.68
 - SP1-001-004 (default) 0 --> 0.23
 - SP1-001-007/008 (default) 0 --> 0.57
 - SP1-001-009 (default) 0 --> 0.63
 - SP2-777-003 013 (default) 4100 --> 2100
 - SP2-778-003 013 (default) 4100 --> 2100
 - SP2-778-004 014 (default) 4100 --> 2150
 - SP2-908-021 (default) 3.2 (sec) --> 0.8 (sec)
 - SP3-450-011~014 (default) 100 --> 85
 - SP3-233-032~034 (default) 0.01 --> 0.007
 - SP3-623-127 (default) 300 --> 200

Version 1.21:12

Rank C

Symptom corrected:

- SC459 occurs due to a failure in the control of the paper transfer pressure unit.
- CIS of the TIM-Mag does not scan correctly, causing inaccuracy in the image registration adjustment, main scan shading correction and auto color calibration.
- SC220-03(LD1 synchronization detection error: Ma)occurs, if the door of the Perfect Binder GB5010 is opened immediately after the sheets start to feed at the start of the job
- Skew correction in clockwise direction is not honored and may result in a color registration shift.
- SC641-00(Communication error from the engine to Controller board) occurs immediately after turning On the machine power.

- Image density is inconsistent when jobs are run continuously.

Version 1.14:12
Rank D

1st Mass production

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] NetworkDocBox

[Version] 5.03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B16025F

[File Information]

File Name M0B16025F.fwu

File Type Module for Service

Size 1.29 MB (1350220 byte)

[File Information]

File Name M0B16025F.rfu

File Type Module for Remote Upgrade

Size 1.29 MB (1356032 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

Specification Change:
Support of new peripherals
* Finisher SR5110 / Booklet Finisher SR5120
* Cover Interposer Tray CI5040
* Trimmer Unit TR5050

[Modification history]

Version 1.00
Rank D

1st Mass production

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*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] JaguarSystem

[Version] 6.00

[PCB No.]

[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.] M0B21400

[File Information]

File Name M0B21400.zip

File Type Module for Service

Size 193.24 MB (202622840 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] JaguarSystem

[Version] 6.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) CHN(all)

[Firmware No.] M0B21401

[File Information]

File Name M0B21401.zip

File Type Module for Service

Size 194.25 MB (203683654 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] LegacyUI

[Version] 2.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)

[Firmware No.] M0B21403_forEDC

[File Information]

File Name M0B21403_forEDC.zip

File Type Module for Service

Size 11.50 MB (12055498 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120

- * Cover Interposer Tray CI5040

- * Trimmer Unit TR5050

Supported:

- Command function of Remote Assist was supported.

[Modification history]

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*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] PPTop Printer Status

[Version] 3.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21409_forEDC

[File Information]

File Name M0B21409_forEDC.zip

File Type Module for Service

Size 0.69 MB (728481 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]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
- ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later

- ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
- ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
- ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
- ACD Unit Param Ver.02.023.00 (M5185239N) or later

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*** Modification History ***

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[Modifications made:]

Rank C

Specification Change:

- Support of new peripherals
 - * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***

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[Create date] 2019/10/23

[Program Name] QuickCardAuth

[Version] 4.01.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21413_forEDC

[File Information]

File Name M0B21413_forEDC.zip

File Type Module for Service

Size 1.80 MB (1892513 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***

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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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*** Important Notes ***

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[Important Notes]

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*** Modification History ***

=====

[Modifications made:]

Rank C

Specification Change:

Support of new peripherals

- * Finisher SR5110 / Booklet Finisher SR5120
- * Cover Interposer Tray CI5040
- * Trimmer Unit TR5050

[Modification history]

=====

*** Basic Information ***

=====

[Create date] 2019/10/21

[Program Name] ICCardDispatcher

[Version] 4.00.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21414_forEDC

[File Information]

File Name M0B21414_forEDC.zip

File Type Module for Service

Size 0.42 MB (445421 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***

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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] NFCPlugin

[Version] 4.00.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21415_forEDC

[File Information]

File Name M0B21415_forEDC.zip

File Type Module for Service

Size 0.03 MB (36632 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***

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[Create date] 2019/10/21

[Program Name] USBCardPlugin

[Version] 4.00.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21416_forEDC

[File Information]

File Name M0B21416_forEDC.zip

File Type Module for Service

Size 0.04 MB (38678 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***

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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***
=====

[Create date] 2019/10/21

[Program Name] LanguageWidget

[Version] 3.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21418_forEDC

[File Information]

File Name M0B21418_forEDC.zip

File Type Module for Service

Size 0.20 MB (206825 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
 - * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

- Symptom corrected:
- The language displayed on the operation panel might be different from the language set in the "Change Language" widget.

[Modification history]

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] EcoInfoWidget

[Version] 3.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21421_forEDC

[File Information]

File Name M0B21421_forEDC.zip

File Type Module for Service

Size 1.99 MB (2090193 byte)

[Availability of RFU] No

[Production reflection] 2019/09

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

Specification Change:

- Support of new peripherals
 - * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] PaperSetting

[Version] 2.06.11

[PCB No.]

[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.] M0B21424_forEDC

[File Information]

File Name M0B21424_forEDC.zip

File Type Module for Service

Size 5.96 MB (6248462 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] OperatorAjustment

[Version] 2.03.04

[PCB No.]

[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.] M0B21425_forEDC

[File Information]

File Name M0B21425_forEDC.zip

File Type Module for Service

Size 3.01 MB (3160288 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- System Ver.6.02.4 (M0B16043A) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- Finisher SR5110 / Booklet Finisher SR5120
 - Cover Interposer Tray CI5040
 - Trimmer Unit TR5050

- Symptom corrected:
- If a busy state is detected while making an adjustment in Adjustment Settings for Operators, the adjustment results in a failure.

- Other changes:
- Added the function to adjust the CI5040 fan volume in the Adjustment Settings for Operators menu.

[Modification history]

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*** Basic Information ***
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[Create date] 2019/10/21

[Program Name] KerberosService

[Version] 1.01.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] Exist

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M0B21427_forEDC

[File Information]

File Name M0B21427_forEDC.zip

File Type Module for Service

Size 2.32 MB (2430645 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

All of the following firmware must be updated together as a set for this release to take effect.

Mainframe

- JaguarSystem Ver.6.00 (M0B21400) or later
- Engine Ver.1.70:12 (M0B15160P) or later
- TIM-RED Ver.1.02:02 (M0B15375B) or later
- DTU Firmware Ver.1.10.0 (M0B15912K) or later

Auto Color Diagnosis

- ACD Unit System Ver.02.024.00 (M5185234Q) or later
 - ACD Unit M-FPGA Ver.01.002.00 (M5185235E) or later
 - ACD Unit M-Ri Ver.02.000.00 (M5185236D) or later
 - ACD Unit I-FPGA Ver.01.004.00 (M5185237E) or later
 - ACD Unit I-Ri Ver.02.000.00 (M5185238D) or later
 - ACD Unit Param Ver.02.023.00 (M5185239N) or later
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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

- Specification Change:
- Support of new peripherals
- * Finisher SR5110 / Booklet Finisher SR5120
 - * Cover Interposer Tray CI5040
 - * Trimmer Unit TR5050

[Modification history]