

FIRMWARE REVISION RECORD for FJ-50/40

2.1 --- Latest version as of today.

[bug fix]

1. The problem that the printing image shifts when printing in 360dpi or 180dpi bidirection mode has been solved.
2. The problem that the all the parameters for the machine reset to the factory default when upgrading or downgrading the firmware by skipping ver.1.7 or ver.1.8 has been solved.
For example, when upgrading to 2.0 from ver.1.7.
And also, note that all the parameters will be reset to the default when downgrading the firmware to below ver.1.7 from ver.2.1.

[Serial Number]

None from the factory

2.0

[change in specification]

1. This firmware has been made compatible with FJ-52/42.

[bug fix]

1. The problem that the Cleaning Wiper doesn't return to its stand-by position after the Head Cleaning has been solved by decreasing its driving speed.
2. The problem that the Head Carriage repeats lock and unlock movement within the time range setup for sleep time if the FJ is not in setup status and there is data inside the memory of FJ has been solved.

[Serial Number]

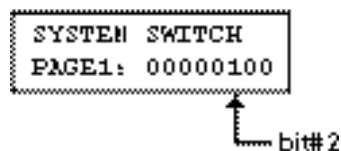
None from the factory

1.9

[change in specification]

1. High speed data transmission can be made when using the High Speed Parallel Board of the ColorBurst (CSE) by imitating the ECP negotiation.

When using ColorBurst, turn on the SYSTEM SWITCH PAGE1 bit#2. (Default is OFF)



[Serial Number]

FJ-50 : ZN12887 and above

FJ-40 : ZN10470 and above

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1.8

[Important note]

The change in this version, which is described below, didn't work quite well. It is necessary to upgrade the firmware to ver.1.9 for the machines shipped with the firmware below ver.1.8.

[change in spec.]

Nothing has been changed from ver.1.7.

[Serial Number]

FJ-50

ZN12860 ~ ZN12886

1.7

[bug fix]

1. The problem that the FJ-50/40 locks up when printing the System Report or Service Report if there is a Ink Cartridge which is used for more than 200cc has been fixed.
2. The problem to cause "INTERNAL ERROR" if the Pause is selected right before the Head moves to the Capping Position at the end of the page has been fixed.
LCD Description : INTERNAL ERROR / Print Manager / illegal message / PRINT ST FREE / FUSH ST WAITEND / MIO PRINT DISABLE / 000B 0004
3. The wrong indication of the address when there is an error with the memory check in the Service Mode has been fixed.
4. The problem to cause "INTERNAL ERROR" when there is a white portion with the size of more than the width of the head in the printing image that is located at the left end of the maximum printing area while printing in bidirectional mode has been fixed.

LCD Description : INTERNAL ERROR / HeadDriver / Illegal flushing / start time:00

[Serial Number]

FJ-50 :

Z**2600 and above

FJ-40 :

Z**0395 and above

1.6

[bug fix]

1. The problem that the Right Head Rank is written over by the Left Head Rank has been solved.

[Important note]

1. All the machines have been adjusted and pass the printing test in our factory. Therefore, it is not necessary to upgrade the firmware to ver.1.6. If firmware is updated to ver.1.6 for the current machines, there could be slight

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difference in the density of the colors when printing.

2. When upgrading the firmware to ver.1.6, make sure to perform Horizontal Head Alignment in FJ50/40 Service Note P.69 to prevent slight difference in the density of the colors.

[Serial Number]

FJ-50 :

ZL91016 and above

FJ-40 :

ZL90235 and above

1.5

[bug fix]

1. The problem that the internal error occurs when the Service Report is printed by turning on the sub power switch while pressing the down-cursor key has been fixed. Service Report can be printed without any problem from the service mode even with ver.1.4.
2. If the menu is changed to Print Mode Menu or Cleaning Menu when the machine has been setup even the pinch rollers are up, setup has been released with ver.1.4. It has been fixed to be in setup even with the above status as ver.1.3 and below considering the usage of the machine.

[Serial Number]

FJ-50 :

ZJ57950 and above

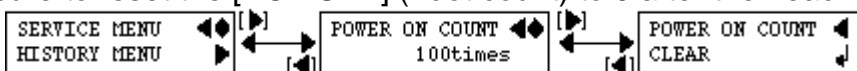
FJ-40 :

ZJ52350 and above

1.4

[Change in spec.]

1. Each menu in the HISTORY MENU of the service mode can be reset individually to the default. Make sure to reset the [DOT CNT] (=dot count) to 0 after the head replacement.



[bug fix]

1. The problem that the FJ locks up when carrying out sheet cut while executing the next service mode, ie; [SENSOR CHECK], [HEAD BIAS ADJ.], [PAPER SENS.], [OUTPUT LEVEL], [FLUSHING ADJ].
2. The problem to feed the media for extra 10mm when sheet cut is carried out with the following condition has been fixed.
 - The problem happens at the second time the sheet cut is done without setting up the machine if the first sheet cut has been done if the machine is set as [SHEET TYPE : OPAQUE], [SETUP : no] and [REAR PAPER SENSOR : OFF (no media)].

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3. The problem that the FJ locks up without starting the setup movement when the [SETUP] key is pressed before FAN starts rotating if the cursor key was pressed when releasing the previous SETUP has been fixed.
4. The problem that the printing becomes blurry with 540dpi 3pass if it has been printed with 360dpi 4pass first has been fixed.
5. The problem to go into the sleep mode even during the error message indication has been fixed.
6. The problem to power-off even the head is out of the capping position when power is turned off right after selecting the menu-language has been fixed.
7. The problem to power-off even the head is out of the capping position when power is turned off during the origin detection right after the FJ comes out from sleep mode has been fixed.
 - Origin detection will be carried out after coming out from the sleep mode when the head is moved manually during the sleep mode.
 - Power key has been disabled during the origin detection.

[Serial Number]

FJ-50 :

ZL85750 and above

FJ-40 :

ZL82050 and above

1.3

NOTE :

Make sure to write down the user settings before upgrading the firmware. All parameters for the user settings will be reset to the default.

[Change in spec.]

1. Function to return the head, during emergency stop, to the capping position automatically when head is left without capped for more than 10 minutes has been added.
 - Both message [Close the Cover] and [DRY-UP OF HEAD MAY GIVE DAMAGE] will appear repeatedly in case of emergency stop.
 - Audible alert goes each 10 sec and continuously after 1 minute.
 - Head will return to the capping position when it is left without capped for more than 10 minutes and error message [HEAD DRY-UP WARNING] will be displayed.
Head returns to the capping position even the cover is opened. For safety reason, it will move with a speed of VS2.
 - In case the head returns to the capping position because of an error, head cleaning will be done automatically when power is turned on for the next time.
 - The number of this error will be counted and could be checked by printing the service report or from the history menu in the service mode.
2. Function to stop the pump motor compulsively when all 4 cursor keys are pressed during the service mode has been added.
3. Flushing will be done with the status of 4 rank higher than the normal head rank to stabilize the printing quality.

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4. The aligning line for setting the base point and printing area has been changed to the left edge of the paper side sensor cover from the down-arrow mark on the head carriage cover.

[bug fix]

1. The problem that all nozzles suddenly fire at the same time and the machine locks up has been fixed.
2. The problem that the printing area was shifted 0.4mm to the left side has been fixed.
3. The problem that the sheet-cut function works even in the printing area setting menu has been fixed.
4. The problem that the machine continues to print the previous pass even the cover is opened for emergency stop resulting in the shifting in the printing has been fixed.
 - The previous pass won't be continued when emergency stop is executed.
5. The problem for detecting the encoder error has been fixed.
6. The problem that audible alert won't go on when empty mode is set to stop has been fixed.
7. The problem that color doesn't appear properly when printing demo with OrGr mode has been fixed.
 - The problem happens only when printing the demo. Demo was printed with LcLm mode.
8. The problem to cause internal error even the servo error occurred when carriage returns to the capping position during setup has been fixed.

[Serial Number]

FJ-50 :

ZL50140 and above

FJ-40 :

ZL50110 and above

1.2

[Change in spec.]

1. Time for [Auto Head Return] has been changed to 20sec. from 10sec.
[Auto Head Return] : Function to move back the head to the locking position fro preventing the heads from drying up.

[bug fix]

1. The problem that the machine being reset suddenly has been fixed.
2. The problem that the Busy LED doesn't light when receiving very small data has been fixed.
3. The problem that the hard-clip doesn't work for the media feeding direction (Height) of RTL has been fixed.
4. The problem that the media feeding direction (Height) of RTL can not be set to more than 2.3m has been fixed.
5. The problem that the printing mode will stay at the mode set from the Roland ColorChoice and won't be back to the original mode set from the menu when sheet-cut is carried out from Roland ColorChoice has been fixed.

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6. The problem that the printing area lacks 2inch from the specification, ie 52inch, and stops printing has been fixed.
7. The problem to cause error when sending data while the machine is in pause status has been fixed.
8. The problem that the printing mode set through PJI command while the machine is in error status doesn't displayed on the panel has been fixed.
9. The problem that the printing will be clipped when printing in different resolutions by sending data through CJ-70 Windows Driver has been fixed.
10. The problem that the print
11. The problem that the [Page Margin] can not be set to 0 with PJI command has been fixed.
12. The problem that the reset function of PJI command doesn't work on the [Page Margin] and [Calibration] to reset back to the original parameters set from the panel has been fixed.

[Serial Number]**FJ-50 :**

ZL30100 ~ ZL30101,	ZL30103,	ZL30108,
ZL30119,	ZL30121 ~ ZL30123,	ZL30125 ~ ZL30126,
ZL30130,	ZL30133 ~ ZL30134,	ZL30138 ~ ZL30139

FJ-40 :

ZL30100 ~ ZL30101,	ZL30103,	ZL30105 ~ ZL30106,
ZL30109		

1.1**[Change in spec.]**

1. The power of FAN has been set to High status when motor is moved by cursor key even the media is not set.

[bug fix]

1. The problem to have hard-clip at the unexpected part when using CLEAR media has been fixed.
2. The problem to cause lack of memory when repeating media-feed by cursor keys has been fixed.
3. The problem which the sheet-cut won't be carried out when rear paper sensor is OFF has been fixed.
4. The problem to feed out the media when media is fed backwards after the sheet-cut has been fixed.
5. The problem that the machine locks up when receiving unexpected data has been fixed.
6. The problem to drop the media which is smaller than the distance between the front paper sensor and rear paper sensor when it is fed by the cursor key has been fixed.
7. The problem that the machine locks up when carrying out the head cleaning with the cleaning key from the BIAS TEST menu has been fixed.
8. The problem that the machine won't receive data when selecting cleaning menu from the top menu with the cleaning key and coming out from the menu with the left cursor key has been fixed.

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9. The problem that the machine stays in Busy status even the job is completed when ink-empty occurs when empty mode is set to LATER.

10. The problem that the time for filling ink for FJ-40 is too short has been fixed.

[Serial Number]

FJ-50 :

ZL30102,	ZL30104 ~ ZL30108,	ZL30110 ~ ZL30117,
ZL30120,	ZL30124,	ZL30127 ~ ZL30129,
ZL30131 ~ ZL30132,	ZL30135 ~ ZL30137,	ZL30139

FJ-40 :

ZL30102,	ZL30104,	ZL30107 ~ ZL30108
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1.0

Initial version

[Serial No.]

FJ-50 : ZL30100 and above

FJ-40 : ZL30100 and above