

**CJV30BS series firmware version 2.30 has been released.**

Jan 21, 2011

Changes

Update version	Current version
2.30	2.20

**CJV30-60BS/100BS/130BS/160BS Main Firmware Upgraded**

**1) BS3 ink has been adapted.**

When BS3 ink is first used in the printer, which has been using BS2 ink, guidance will be activated for the purpose of high accuracy of ink drop placement in bidirectional print mode.

Adjustments should be made in any of following two conditions

1. When BS3 ink cartridge is set in any color of slots.

- \* "Execute DROP.POScorrect" is indicated in order to prompt the bi-directional adjustment of ink drop placement.

If the adjustment has not been made, the message will be indicated again at the time of switching mode from Local to Remote after the device is restarted.

2. When BS3 ink cartridges are set in all black slots.

- \* The function that replaces BS2 black ink with BS3 black ink will be activated.  
In accordance with directions on a screen, purge BS2 ink and then refill BS3 ink.
- \* "Execute DROP.POScorrect" is indicated in order to prompt the bi-directional adjustment of ink drop placement.

If the adjustment has not been made, the message will be indicated again at the time of switching mode from Local to Remote after the device is restarted.

Please refer to "To use BS3 ink (D202190-12)" for details.

**2) When the same color of BS2 ink and BS3 ink are simultaneously set, BS2 ink is preferentially used.**

Note:

BS2 ink can be used with BS3 ink. However, requirements of inkjet are adjusted to BS3 ink. Therefore, color tone might be changed.

**3) NOZZLE PROTECT has been added.**

3)-1. While a machine is switched off for a long time during week ends or holidays. Operate [NOZZLE PROTECT].

3)-2. [NOZZLE PROTECT] can be activated by [MAINTENANCE]-[ST.MAINTENANC]. Also, [NOZZLE PROTECT] can automatically be operated.

3)-3. Please refer to Operation Manual (Document No. D201979 Ver.1.30) for details.

**4) Initial setting of time interval for Routine setup and Sleep cleaning has been changed.**

For nozzle protection purpose, an initial setting of cleaning time interval for [ROUTINE SETUP] and [SLEEP SETUP] has been changed to 8 hours.

When ink is initially filled or changed to BS3, the initial setting is applied.

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**5) Environmental temperature is checked before printing and when the temperature is out of appropriate tolerance, warning is indicated or print is waited.**

- 5)-1. Appropriate temperatures for print start are  $15^{\circ}\text{C} \leq \text{Environmental Temperature} \leq 40^{\circ}\text{C}$ . Temperature is taken above the slider by the thermister.
- 5)-2. Operating condition is set by machine setting whether print is waited until temperature reaches desired degree or not.
- 5)-3. As indicated below, when the temperature is out of appropriate tolerance, one of warnings is shown.

\*\*\*\* ERROR 120 \*\*\*\*  
ENVIRONMENT TEMP (LO)

\*\*\*\* ERROR 121 \*\*\*\*  
ENVIRONMENT TEMP (HI)

5)-4 Please refer to Operation Manual (Document No. D201979 Ver.1.30) for details.

**6) Continuous alarm sound function is added when printing is stopped because of an ink error.**

When this function is needed to be activated, please follow the parameter setting described below.

Customize parameter 77:INK EARM

Default value: 0(Function Off), 1[Sec.]~ : Alarm sound interval setting

**7) Following requests and troubles are responded or improved.**

	Defects corrected/Requests	Remarks
1	[#TEST]-[LCD TEST] Pattern with all dots (7*5 dots) is added.	Requested by Production Engineering Dept.
2	Voltage depression because of power source defect may lead to Error 250"Y COORDINATES". In order to specify an error cause, which is motor-induced or power source-induced, an error indication of power source-induced is changed to "ERROR 03 / POWER 42V".	
3	Cut misalignment on register marks.	
4	Cut with register marks and when its file (data) needs to use more than 2 tools such as CUT1 and HALF, a scale correction of register marks is inactivated, cutting is misaligned to the feed direction.	
5	When register marks are unused and P/C origin adjusted value is the minus, adjusted value can not be reflected to an actual image cutting.	
6	Cut misalignment on actual image occurs even after the adjustment of P/C origin adjusted value with no register marks was completed. Operability is improved. Adjusted value can easily be input so that the value can be corrected during an image cutting	
7	Error avoidance sequence has been implemented in order to prevent an error indication "ERROR 180 CUTTER JOINT" when a cutter head is attached.	

**Special Instruction**

When the first power-on after the version-update, Maintenance parameter, Ink system parameter, Ink information parameter, Ink sequence parameter, Ink type parameter, Servo parameter and Test parameter are automatically initialized.