TB-K134G-004



Technical Bulletin



Model:	KIP 71 G Series	ACTION REQUIRED	For Reference	\bigcirc
RE:	Printer Firmware FWU-03		Production Change	
Date:	August 1, 2023		Order as Required	

New version firmware is available for the KIP 71 G Series compatible with KIP System K Software Version 3.1 and higher.

	71G-FWU-3 For 6D version	71G-FWU-3-4D For 4D version
Firmware (CPU)	K134FX18.00A	K134FX18.00A_4D
, ,	(Checksum: 10457d7)	(Checksum: 104246b)
Hardware (FPGA)	K134HX05.00A	K134HX05.00A_4D
, ,	(Checksum: BADEDF)	(Checksum: BADEDF)

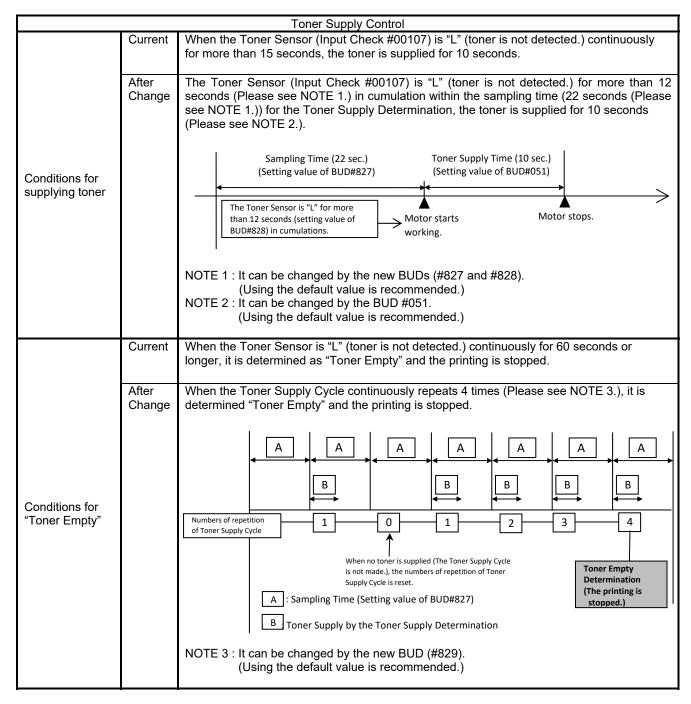
Notes:

- 1) View the current version on the printer in the Maintenance GUI by selecting "Version Info" from the main menu to confirm the version needed. (4D or 6D).
- 2) Firmware & BUD data for the 4D & 6D models are not interchangeable.

The following pages details the changes in this firmware version.

1. Changing the Toner Supply Control

To stabilize image quality, Toner Supply Control are changed as follows.



(1) Adding BUDs (#827, #828)

BUD #827 (Sampling Time for the Toner Supply Determination (Supply Cycle))

It specifies the sampling time for the Toner Supply Determination (How much time the status of Toner Sensor is monitored).

Default	Setting Range		Unit
Delault	Min.	Max.	Offic
22	1	31	seconds

The default value (22) is recommended.



A NOTE

The setting value of BUD #827 should be larger than the following setting values.

Otherwise, the Toner Supply Control cannot be performed correctly.

- BUD #828 (Toner Supply Determination (Supply Start 2))
- BUD #051 (Toner Supply Motor ON Time (Toner Supply))

BUD #828 (Toner Supply Timing (Supply Start 2))

It specifies the timing for supplying toner.

Default	Setting Range		Unit
Delault	Min.	Max.	Offic
12	1	20	seconds

For the default value (12), the toner is supplied when the Toner Sensor is "L" for more than 12 seconds in cumulation within the sampling time specified by BUD #827.

The default value (12) is recommended.



The setting value of BUD#828 should be smaller than the following setting value.

Otherwise, the Toner Supply Control cannot be performed correctly.

- BUD #827 (Sampling Time for the Toner Supply Determination (Supply Cycle))

BUD #829 (Toner Empty Determination (Toner Empty))

It specifies the timing for making the Toner Empty Determination.

Default	Setting Range		Unit
Delault	Min.	Max.	Offic
4	1	7	Number of times

It is determined "Toner Empty" when the Toner Supply Cycle (when the Toner Sensor is "L" for more than the time specified by BUD #828 within the sampling time specified by BUD #827, the toner is supplied.) continuously repeats for the specified number of times.

BUD#829 specifies the number of times of continuous repetition of Toner Supply Cycle to determine "Toner Empty". For the default value (4), it is determined "Toner Empty" when the Toner Supply Cycle continuously repeats 4 times and the printing is stopped. The default value (4) is recommended.

(2) Stopping the use of BUD #050 (Reaction Time of Toner Supply Motor (Supply Start)) The use of this BUD is stopped as it is for the current Toner Supply Control.