SOLUTIONS SUPPORT DIVISION

Bulletin Number 6901

Date:	02/10/10
From:	SSD
Subject:	Image Unit Yield Enhancement

bizhub C200:	007	**bizhub C203:**	024	**bizhub C220:**	017
bizhub C250:	099	**bizhub C250P:**	075	**bizhub C252:**	028
bizhub C252P:	018	**bizhub C253:**	024	**bizhub C280:**	017
bizhub C300:	051	**bizhub C352:**	049	**bizhub C352P:**	041
bizhub C353:	024	**bizhub C353P:**	010	**bizhub C360:**	017
bizhub C451:	054	**bizhub C452:**	023	**bizhub C550:**	064
bizhub C552:	032	**bizhub C650:**	048	**bizhub C652:**	032

Supersedes bulletin #6901 dated 6/5/09 to add models C220, C280, C360, C452, C552, C652.

You can increase the overall yield of the cyan, magenta, and yellow Imaging Units by making several adjustments and changing specific settings on your MFP, especially when customers copy or print more in black and white than in color. In addition to increasing your CMY yields, you can also extend the period of time before the IU Life and Replacement indicator appears. Please follow the steps outlined in this bulletin.

DEFAULT OPERATION

In ACS (Auto Color Selection) mode, by default the machines are "color ready" when running black-only copies or prints. All four color drums are engaged from the beginning of the print cycle. After the machine determines that a job is monochrome, the color drums are disengaged, but not before adding false counts to the internal meters of the Imaging Units, decreasing their overall yield potential.

IU YIELD ENHANCEMENT PROCEDURE

Follow these steps to enhance the IU yield. Refer to the following chart for model-specific details.

1. **Verify the firmware version** and upgrade as needed.

2. **Change the IU replacement indicator.** Changing the setting to allow the drum to operate past 100% of the original life expectancy will help to increase the life of all four imaging units.

3. **Change the ACS mode.** Changing ACS to "black ready" will increase the life of the color imaging units by eliminating the false counts mentioned above.

Note: Changing ACS to "black ready" will increase the first-copy-out time by one or two seconds compared to "color ready". However, since most usage is over a network, this small delay should not be noticed by customers.

bizhub COLOR MODEL IU YIELD ENHANCEMENT SETTINGS

MODEL	FIRMWARE VERSION REQUIRED	IU LIFE EXTENSION SETTING	BLACK-READY ACS SETTING
C250/C250P	4038-F000-**GC8-K0**-000 (Special firmware)	**1. a)** Service Mode → [Image Process Adjustment] → [Stabilizer] **b)** Select [**Span2**] (default is "Span 1") **2. a)** Service Mode → [System **2**] → [Software Switch Setting] **b)** [Switch No.] → enter "**51**" **c)** [Bit Assignment] → enter "**00000001**" (default is "00000000") **d)** [Fix]	**1.** Service Mode → [System **2**] → [Software Switch Setting] **2.** [Switch No.] → enter "**53**" **3.** [Bit Assignment] → enter "**00000001**" (default is "00000000") **4.** [Fix]
C250/C250P with FS-514	4038-F000-**GC8-K2**-000 (Special firmware)		
C252/C252P	4038-F000-**GC8-K1**-000 (Special firmware)		
C252/C252P with FS-501/FS-603	4038-F000-**GC8-K3**-000 (Special firmware)		
C300	9J06-F000-**GWB-K1**-000 (Special firmware)	**1. a)** Service Mode → [System **2**] → [IU Life Setting] **b)** Select [**Long**] (default is "Normal") **2. a)** Service Mode → [Image Process Adjustment] → [Stabilizer] **b)** Select [**Span2**] (default is "Span1") **3. a)** Service Mode → [System **2**] → [Software Switch Setting] **b)** [Switch No.] → enter "**51**" **c)** [Bit Assignment] → enter "**00000001**" (default is "00000000") **d)** [Fix]	
C352/C352P	9J06-F000-**GWB-K0**-000 (Special firmware)		
IMPORTANT:	**For all models above, also change Software Switch "50" to Bit Assignment "00000001" after installing the special firmware. Not changing this value will result in Code C-3851 or C-3852.**		
C200	**No need to upgrade.** (Firmware already supports this functionality)	**1. a)** Service Mode → [System Input] → [IU Life Setting] **b)** Select [**Long**] (default is "Normal")	**1.** Service Mode → [System Input] → [Software Switch Setting] **2.** [Mode Selection] → enter "**308**" **3.** [Bit Selection] → enter "**00000010**" (default is "00000000") **4.** [Apply] → [OK]
C220/C280.C360 C452/C552/C652	**No need to upgrade.** (Firmware already supports this functionality)	**1. a)** System 2 → [Unit change] → [IU Life Setting] **b)** Select [**Drum Unit = Service**]	**1.** Service Mode → [System **2**] → [Software Switch Setting] **2.** [Switch No.] → enter "**50**" **3.** [Bit Assignment] → enter "**00000001**" (default is "00000000") **4.** [Fix]

MODEL	FIRMWARE VERSION REQUIRED	IU LIFE EXTENSION SETTING	BLACK-READY ACS SETTING
C203/C253/ C353/C353P	**No need to upgrade.** (Firmware already supports this functionality)	**1. a)** Service Mode → [System **1**] → [IU Life Stop Setting] **b)** Select [**Suspend**] (default is "Normal")	**1.** Service Mode → [System **2**] → [Software Switch Setting] **2.** [Switch No.] → enter "**50**" **3.** [Bit Assignment] → enter "**00000001**" (default is "00000000") **4.** [Fix]
C451	A00**K**0Y0-F000-G00-**6M** (or newer) Note: s/n A00K010003476 and higher has firmware ver. A00K0Y0-F000-G00-6B. Upgrade unnecessary.		
C550	A00**J**0Y0-F000-G00-**6M** (or newer) Note: s/n A00J010005960 and higher has firmware ver. A00J0Y0-F000-G00-6B. Upgrade unnecessary.		
C650	A00**H**0Y0-F000-G00-**6M** (or newer) Note: s/n A00H010001258 and higher has firmware ver. A00H0Y0-F000-G00-6B. Upgrade unnecessary.		

Note: For future products, refer to the Service Manual for applicable settings.