



4. LIST OF ADJUSTMENT ITEMS

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INFORMATION

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4.1 Priority for Adjustment/Setting after replacing parts

Conduct the following adjustment on the items list in this order when replacing the parts on the list. Proper operation/image quality is not guaranteed without conducting those adjustment after the parts replacement.

Note

- When replacing the overall control board (OACB) due to the OACB being damaged, be sure to use the NVRAM board (NRB) that was installed on the damaged OACB on the new OACB. Contact the service manager of the authorized distributor if it is considered that NRB is also damaged.
- The NVRAM board (NRB) stores various adjustment data, setting data and counter data. Therefore, when replacing the NRB, perform all adjustments and settings, and be sure to replace the parts for control correction (Drum, developer, cleaning blade). For details, contact the service manager of the authorized distributor.
- When replacing a board due to PB control board (PBCB), SD control board (SDCB), FD control board (FDCB), RU control board (RUCB) or FNS control board (FNSCB) being damaged, be sure to use the non-volatile memory (EEPROM) that was installed on the damaged control board on the new control board. Install the new EEPROM and perform all adjustments for the PB, SD, FD, RU or FS if it is considered that the EEPROM is also damaged.

Classification	Replacement parts/Others	Description
	After PM Implementation	PM cycle setting counter reset
Drum (Refer to F.5.3.4 Replacing the drum cartridge)	Drum cartridge /Y, M, C, K (Refer to F.5.3.4 Replacing the drum cartridge)	Setting powder application Dust proof glass cleaning (write unit) Initial Drum Rotation Special Parts Counter (Reset) Color Registration Auto.Adj. Color Registration Manual Gamma Automatic Adjustment
Development (Refer to F.5.6.1 Replacing the developers /Y, /M, /C and /K)	Developers /Y, /M, /C and /K (Refer to F.5.6.1 Replacing the developers /Y, /M, /C and /K)	Dust-proof glass cleaning (write unit) Auto. Developer Charge TonerDensitySensorInit.Auto Special Parts Counter (Reset) Gamma Automatic Adjustment Printer Gamma Offset Auto.
Intermediate transfer (Refer to F.5.5 Intermediate transfer section)	Intermediate transfer belt (Refer to F.5.5.4 Replacing the intermediate transfer belt)	Transfer unit installation direction (with UPSIDE mark in rear) Setting powder application Dust-proof glass cleaning (write unit) Blade setting mode Belt Line Speed Adj. Color Registration Auto. Color Registration Manual Gamma Automatic Adjustment
	Transfer belt cleaning blade (Refer to F.5.5.2 Replacing the transfer belt cleaning blade)	Setting powder application Blade setting mode
	1st transfer rollers /Y, /M, /C and /K (Refer to F.5.5.3 Replacing the 1st transfer roller and the transfer roller bearing)	1st transfer roller installation direction (groove on the shaft is on the front side) Dust-proof glass cleaning (write unit) Special Parts Counter (Reset) Gamma Automatic Adjustment
	2nd transfer roller /Up (Refer to F.5.5.5 Replacing the 2nd transfer roller /Up)	2nd transfer roller installation direction (depression on the shaft edge surface is on the front side)
	2nd transfer roller /Lw (Refer to F.5.5.9 Replacing the 2nd transfer roller /Lw and the transfer earth plate unit)	2nd transfer roller /Lw installation direction (depression on the shaft edge surface is in the rear)
	Image correction unit	Dust-proof glass cleaning (write unit) Color Registration Auto. Color Registration Manual Gamma Automatic Adjustment Printer Gamma Offset Auto. Printer Gamma Sensor Adj.
	Color registration sensors /Fr (PS8) and /Rr (PS9)	Gamma Automatic Adjustment Printer Gamma Offset Auto. Printer Gamma Sensor Adj. Belt Line Speed Adjustment

		Color Registration Auto.Adj. Color Registration Manual Gamma Automatic Adjustment
Total process mount	Drum cartridge, developer, intermediate transfer belt, transfer belt cleaning blade	Dust proof glass cleaning (write unit) Setting powder application (to drum and intermediate transfer belt) Initial Drum Rotation Auto. Developer Charge TonerDensitySensorInit.Auto Special Parts Counter (Reset) Blade Setting Mode (Intermediate transfer) Belt Line Speed Adj. Color Registration Auto. Color Registration Manual Gamma Automatic Adjustment Printer Gamma Offset Auto.
Scanner	CCD unit (Refer to G.2.2.8 CCD unit)	CD-Mag. Adjustment Scan Gradation/Color Adj. Color Registration Auto. Color Registration Manual
	Scan exposure/V-mirror unit (Refer to G.2.2.9 Exposure unit)	Mirror unit positioning (require the jigs) Color Registration Auto. Color Registration Manual
	Exposure lamp (L1) (Refer to G.2.2.10 Exposure lamp)	Scan Gradation/Color Adj.
	Original glass (Refer to G.2.2.4 Original glass assy)	Scan Gradation/Color Adj.
Write (Refer to G.2.2.13 Write unit)	Writing unit /K (Refer to G.2.2.13 Write unit)	Dust-proof glass cleaning (write unit) Writing initial position memory (Skew initial position memory) I/O Check Mode (LD1 to LD8 alarm data clear, LD alarm measurement) CD-Mag. Skew Adj. Restart Timing Adjustment Color Registration Auto. Color Registration Manual Gamma Automatic Adjustment Beam Pitch Adjustment Moire Adjustment
	Writing unit /Y, /M, /C (Refer to G.2.2.13 Write unit)	Dust-proof glass cleaning (write unit) Writing initial position memory (Skew initial position memory) I/O Check Mode (LD1 to LD8 alarm data clear, LD alarm measurement) Color Registration Auto. Color Registration Manual Gamma Automatic Adjustment Beam Pitch Adjustment

		Moire Adjustment
	Dust-proof glass /Y, /M, /C, /K (Refer to G.2.2.13 Write unit)	Gamma Automatic Adjustment
Charging (Refer to F.5.4.1 Replacing the charging corona)	Developers /Y, /M, /C and /K (Refer to F.5.4.1 Replacing the charging corona)	Dust proof glass cleaning (write unit) Special Parts Counter (Reset) Gamma Automatic Adjustment
Fusing (Refer to F.5.13 Fusing section)	Fusing belt (Refer to F.5.13.6 Replacing the fusing belt, fusing roller /1, insulating sleeve /Up, fusing bearing /Up, belt regulating sleeve)	Fusing belt installation position (with lot number on the rear side)
	Fusing heater lamp /4 (L5) (Refer to F.5.13.7 Replacing the fusing heater lamp /4 (L5))	Installation direction of the fusing heater lamp (colored wiring harness comes to the front)
	Thermostat /1 (TS1) (Refer to G.2.2.21 Temperature sensor /1 (TEMS/1), thermostat /1 (TS1) and /2 (TS2))	Adjust the position by the thermostat positioning jig /UF (require the jig)
	Thermostat /2 (TS2) (Refer to G.2.2.21 Temperature sensor /1 (TEMS/1), thermostat /1 (TS1) and /2 (TS2))	Adjust the position by the thermostat positioning jig /UC (require the jig)
	Thermostat /3 (TS3) (Refer to G.2.2.22 Temperature sensor /2 (TEMS/2), thermostat /3 (TS3))	Adjust the position by the thermostat positioning jig /L (require the jig)
Boards	Overall control board (OACB)	NVRAM board (NRB) replacement Rewriting of firmware Machine NIC setting
	Printer control board (PRCB)	Rewriting of firmware Software DIPSW setting
	Printer image processing board (PRIPB)	Printer Screen Gradation
	Hard disk /Y, M, C, K, A, P (HDD/Y, /M, /C, /K, /A, /P)	I/O Check Mode (Replacing procedure of the hard disk)
PF-602	Multi feed detection board (MFDBS, MFDBR) (Refer to G.3.2.11 Multi feed detection board (MFDBR, S))	Multi feed detection board adjustment
RU-509	RU control board (RUCB)	Rewriting of firmware EEPROM replacement
FS-521	FNS control board (FNSCB)	DIPSW setting of the boards
		Rewriting of firmware
		EEPROM replacement
FS-531/612	FNS control board (FNSCB)	Rewriting of firmware
		EEPROM replacement

	Stapler unit	Stapler positioning (require the jigs) * FS-531 does not require the adjustment.
PK-512/513	Punch drive board (PDB)	Paper Edge Detect Sensor
	Paper size sensor (PS305)	Paper Edge Detect Sensor
LS-505	LS control board (LSCB)	Toggle switch setting Rewriting of firmware Grip conveyance home sensor adjustment Paper width adjustment Paper length adjustment
FD-503	FD control board (FDCB)	DIPSW setting of the boards Rewriting of firmware EEPROM replacement
	Multi feed detection board (MFDB)	Multi feed detection board adjustment
	PI drive board (PIDB)	Multi feed detection board adjustment
SD-506	SD control board (SDCB)	DIPSW setting of the boards Rewriting of firmware EEPROM replacement
	Trimmer board assy (Refer to F.17.4.3 Replacing the trimmer board assy)	I/O Check Mode (trimmer board solenoid operation counter reset)
PB-503	PB control board (PBCB)	DIPSW setting of the boards Rewriting of firmware EEPROM replacement Multi feed detection board adjustment
	Multi feed detection board (MFDBS, MFDBR)	Multi feed detection board adjustment